

## PDF CATALOGUE



**ESTABLISHED 1932** 



AUDITORIUMS
CHURCHES
FILM
INDUSTRIAL
STUDIOS
TELEVISION
THEATRES

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- Place orders
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## Rings & Hanging Hardware

#### Ultimate Tensilte

	Force	Safety	Working
Cat#	(lbs.)	Factor	Load Limit
H2050	5,800	8	725 lbs.

The #H2050 Dee Ring is used on H2140L, H2140S and H2199.

#### Welded Dee Ring

#H2050

- Used with the Dee Ring Plate for tie off purposes
- Size: 1/4" steel wire x 2" inside diameter



#### **Dee Ring Plate**

#H2060

- Firmly holds the Welded Dee Ring in place
- Size: 3" x 3/4"



## **New Hanging Iron**

#H2148

- · Used to hang scenery
- Comes with a 3/8" triangular connecting link
- Working Load Limit 1,500 lbs.



#### **Long Hanging Iron**

#H2140L

- Designed as the top iron on the side rail of a flat or throughout the flat
- The bent lip is formed to a chisel edge to dig firmly into the side rails
- Size: 13" x 3/4" x 1/4"



#### **Short Hanging Iron**

#H2140S

- Designed as the top iron on the side rail of at flat
- Does not have a bent lip on the end
- Size: 7 1/2" x 1" x 3/16

## **Bottom Iron**

#H2199

- Designed to be used on the lower rail of flats when scenery is to be above ground
- Size: 6" x 1" x 3/16"

#### Welded Steel Ring

· Made of wrought steel and firmly electro welded

Cat. #	Wire Size	Inside Diameter
H203412	11	1/2"
H203458	10	5/8"
H203434	9	3/4"
H203410	7	1"
H203411	7	1 1/4"

#### Welded Heavy Steel Ring

• Made of wrought steel and firmly electro welded

Cat. #	Wire Size	Inside Diameter
H2035112	1/4"	1 1/2"
H2035134	1/4"	1 3/4"
H2035200	1/4"	2"
H2035212	1/4"	2 1/2"
H2035300	1/4"	3"

#### **Large Ceiling Plate**

#H2080

- Used to fasten the lines to a heavy or large canvas flat which is to be used as a ceiling
- · Does not have a ring attached
- Size: 2 1/2" x 7"

## **Large Ceiling Plate with Ring**

#H2090

- Used on the down stage side of ceilings and provides the best method of fastening a flat
- · Ring attached
- Size: 2 1/2" x 7"

#### **Hitching Ring**

- Forged eyebolt with a large ring
- Used in place of standard forged eyebolt when you need a bigger eye to accommodate wide rope.

<u>Cat. #</u>	Size
H9527	3/8" x 4 1/2"
H9541	1/2" x 6"



#### Ring Hangers

Hans	LU	
Cat. #	# of holes	Description
H5252	2	Wide Strap
H5250	1	Wide Strap
H5206	1	Narrow Strap
SWOOK	1	Narrow Strap
		OOK Brand





## Picture Hanging Hardware

## **Large Picture Hook**

#H2200L

- Round ends help find the socket
- Holes are made for No. 8 x 3/4" flat head steel wood screws

• Size: 3/4" x 2.7/8"



#### **Medium Picture Hook**

#H2200M

- Designed to support substantial loads
- Holes are made for No. 6 x 3/4" flat head steel wood screws
- Size: 1/2" x 2 1/4"



#### **Small Picture Hook**

#H2200S

- Designed to support light loads
- Holes are made for No. 5 x 3/4" flat head steel wood screws
- Size: 3/8" x 2 1/4"



## Large Flush Hanger

#H2520L

- Streamlined interlocking action designed to support heavy loads
- Each piece is the same
- Uses 4 No. 6 x 3/4" flat head steel wood screws
- Size: 1 3/4" x 1 1/2"



#### **Small Flush Hanger**

#H2520S

- Streamlined interlocking action designed to support heavy loads
- Each piece is the same
- Uses 2 No. 4 x 3/4" flat head steel wood screws
- Size: 1" x 1"



#### Saw Tooth Hangers

• Used on pictures to facilitate hanging.

<u>Cat. #</u>	Size
H5287	Short - 1 3/4"
H5265	Long - 2 5/8"



• Used on pictures to facilitate hanging.

Cat. #	Size	Holds
GP17040	3" x 1"	5 lbs

#### **Moulding Hooks**

•3M Brand

Cat. #	Size	Description
H17040	3/16" wide	Brass - Narrow
<ul> <li>Econon</li> </ul>	ny Brand	
Cat. #	Size	Description
H5570	3/16" wide	Brass - Narrow
H5573	1/2" wide	Zinc - Wide



## **Large Picture Socket**

#H2201L

- Receives Large Picture Hook
- Holes are made for No. 8 x 3/4" flat head steel wood screws
- Size: 3/4" x 2 1/2"

## **Medium Picture Socket**

#H2201M

- Receives Medium Picture Hook
- Holes are made for No. 6 x 3/4" flat head steel wood screws
- Size: 1/2" x 2 1/4"

#### **Small Picture Socket** #H2201S



- Receives Small Picture Hook
- Holes are made for No. 5 x 3/4" flat head steel wood screws
- Size: 3/8" x 2"

#### **OOKS**

-with nails		
Cat. #	Holding lbs	# in pacl
SWOOK10	10	100
SWOOK20	20	100
SWOOK30	30	100
SWOOK50	50	100
SWOOK75	75	100
SWOOK100	100	100



#### **OOKS Value Pack**

#SWOOKVP

• 17 various hooks with nails

#### **OOKS Nails Only**

Cat. #	Duty	# in pacl
H50000	Light	100
H50009	Heavy	100



#### **Picture Hooks "Twist"**

Hanger and nail

Cat. #	Holding	Quantity
SW27BL50	50 lbs.	3 per pk
SW28BL100	100 lbs.	2 per pk



#### Command Hooks

- •Holds strongly comes off cleanly with no surface damage.
- Contains 1 white plastic hook with 2 strips of Command Adhesive

Cat. #	Size	Holds
GP17004	Jumbo	7.5 lbs
GP17003	Large	5 lbs
GP17001	Medium	3 lbs
GP17002	Small	1 lb
GP17200	Adhesive T	abs
	8-small, 4-	medium, 4-la



#### **Stage Plug**

#H2255

- Vise-type thread for easy insertion and removal
- Fits 9/16" hole

#### **Stage Screw**

#H2250

- Fits snugly into #H2255 stage plug
- Five times the holding power of old style stage screws
- Very useful when speed is essential

## **Econo Stage Screw**

#H2003

- Cheaper than forged stage screws
- Five times the holding power of old style stage screws
- Works well with aluminum or wood stage braces





## **Straight Foot Iron**

#H2130

- Used on the bottom of jacks to pin down flats
- Size: 8" x 1" x 1/4"



#### **Bent Foot Iron**

#H2135

- Used on the side rails of flats, jacks, or platforms to pin them down
- Size: 8" x 1" x 1/4"

#### **Hinged Foot Iron**

#H2142

- Used on flats, jacks, or platforms when a variable angle for pinning down is needed
- Size: 8" x 1" x 1/4"



#### **Batten Hook**

#H2120

- Used to stabilize two or more flats
- Designed to fit 7/8" x 3" wooden batten
- Size: 3" x 7/8"



## Stage & Lashing Hardware

#### **Lashing Cleat**

#H2000

- Used for lashing flats together
- Sharp steel edges are rounded to prevent cutting the lashline
- Size: 2" x 4 1/2"

#### **Large Brace Cleat**

#H2010

- Used to receive the brace hook end of the stage brace
- Fastens to standard 3" side rails of theatrical flats
- Size: 2" x 4 1/2"



#### **Small Brace Cleat**

#H2015

- Used to receive brace hook end of the stage brace
- Fastens to side rails smaller than 3"
- Size: 2" x 3 1/2"



#### **Stop Cleat**

#H2030

- Used on door or cabinet frames to eliminate the necessity of wood stops and to align two or more flats together
- Size: 1" x 2 3/4"



#### Round Line Cleat

#H2100

- Used for lashing flats together
- Often used for tying off near the bottom of the flat
- Sharp steel edges are rounded to prevent cutting the lashline
- Size: 4" x 3/4"

#### Offset Round Line Cleat



#H2105

- Used for lashing flats together
- Can be attached to either the surface or edge of the flat rails
- Similar to the round line cleat except it is offset
- Size: 4" x 3/8"

#### Threaded Box Bolt



#H2108

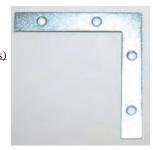
- Fits standard 3/8" nuts
- Similar to the Round Line Cleat except it is threaded with 3/8" thread
- Size: 4"

## Irons, Plates & Corners

#### **Flat Corner Iron**

• Wrought steel with a plain finish

Cat. #	Size (sides)	Width (side
H21702	2"	3/8"
H21703	3"	1/2"
H21704	4"	5/8"
H21705	5"	7/8"
H21706	6"	1"



#### **Flat Tee Plate**

• Wrought steel with a plain finish

Cat. #	Size	Width
H21713	3" x 3"	5/8"
H21714	4" x 4"	3/4"
H21715	5" x 5"	1"



#### **Mending Plate**

• Wrought steel with a plain finish

	1	
Cat. #	Size	Width
H21722	2"	5/8"
H217212	2 1/2"	5/8"
H21723	3"	3/4"
H21724	4"	7/8"
H21725	5"	1"
H21726	6"	1 1/8"
H21728	8"	1 1/4"





#### **Corner Brace**

• Wrought steel with a plain finish

Cat. #	Size	Width
H21731	1"	1/2"
H2173112	1 1/2"	1/2"
H21732	2"	5/8"
H21733	3"	3/4"

Cat. #	Size	Width
H21734	4"	7/8"
H21735	5"	1"
H21736	6"	1 1/8"
H21738	8"	1 1/8"

## **Square Hole Bolt Plate**

#### #H2042

- Permanently fastens bolt head
- Designed for use with a 3/8" carriage bolt
- Size: 2" x 2"



### **Threaded Bolt Plate**

#### #H2045

- Used for many fastening purposes
- Can be mounted or mortised in the stage or platform
- Designed for use with a 3/8" 16 threaded bolt
- Size: 3 1/2" x 2" x 1/4"

#### **Oversize Mending Plate**



- A plate with 49 drilled holes
- Size: 3 1/8" x 10 15/16"

#### **Large Box Corner** #H2155

- Made of wrought iron steel
- Used on corners of heavy boxes and traveling cases
- 5 holes for 5 screws on each side
- Size: 3 1/2" x 3 1/2" x 3"



#### **Small Box Corner**

#### #H2150

- Made of wrought iron steel
- Used on corners of heavy boxes and traveling cases
- · 6 holes for 3 screws on each side
- Size: 3" x 3" x 2 1/2"



## **Triway Box Corner**

#### #H2158

- Made of wrought iron steel
- Used on corners of heavy boxes and traveling cases
- 9 holes for 3 screws on each side
- Size: 2 1/2" x 2 1/2" x 2 1/2"



#### Corners

#### #H959

• Used on corners of heavy boxes and traveling cases

• Size: 2 1/2" x 2 1/2"

#### **Corner Plate** for Platforms #HCP10

- · Used to quickly and easily assemble and disassemble a platform
- Designed to hold a 1" IPS pipe, which can be adjusted to determine platform height
- Size: 3" x 5 1/4" x 8"

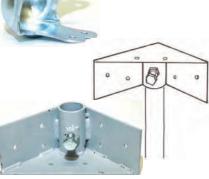


plate shown upside down



## Case Catches & Handles



#### **Catch Lock**

#H210

- Spring load feature allows for up to 1/8" take-up to compensate for set in gasketing, irregularities of sealing surfaces, and mounting inaccuracies
- •Up to 250 lbs. preload
- Size: 4 1/2" 4 3/4"





#### Catch

#H1097

- Does not have a spring load feature
- •Provides up to 250 lbs. preload
- Size: 1 3/4" x 3" (closed)

## Strike #H1162

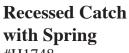
• Size: 1 3/8" x 13/16"



#### **Recessed Catch**

#H1779

• Size: 4" x 4 1/8"



#H1748

• Size: 5" x 6 1/4" (closed)



# **Lockable Recessed Catch**

#H1748LK

- Accommodates a padlock or Sesamee lock
- Zinc plated



#### **Wooden Drawer Pulls**

Cat. #Knob SizeHWDP11"HWDP1141-1/4"HWDP1121-1/2"HWDP1341-3/4"HWDP22"HWDP2122-1/2"



#### Handle

#H5300

- Designed without a spring
- Size: 7" x 5"

## **Handle with Spring** #H5300S

• Size: 7" x 5"



#### Small Recessed Handle

#H5121

- Spring loaded design
- Size: 6 1/8" x 4"

#### Large Recessed Handle

#H5101

- Spring loaded design
- Size: 7" x 5"



## **Steel Chest Handle**

#H2038 (Black Finish) #H2038ZP (Zinc Plated)

- Made of wrought steel
- Used as a sturdy, comfortable handle for chests and boxes
- Screws included with zinc plated but not with black finish
- Size: 3 5/8" x 2 15/16" and 11/32" wire

## Platform Hardware

#### **Roto Lock™ Butt-Joint Panel Fastener**

- Used for locking platforms and panels together
- Can be recessed or surface mounted
- · Operates simply and without springs

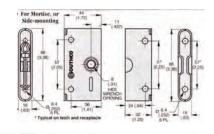
Roto Locks are sometimes referred to as Coffin Lock.



#### **Standard Tab**

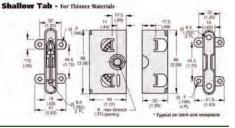
#H2001

- For Mortise or Side-Mounting
- Size: 3" x 3 1/2"



#### Shallow Tab #H2001ST

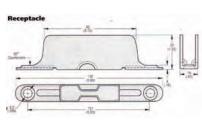
• For Thinner Materials • Size: 3" x 3 1/2"

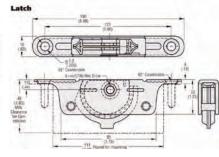


#### Roto Lock™ Butt-Joint Panel Fastener -Front Mount Version #H2001FM

- Mounts from the front of a panel
- Installation can be accomplished from outside panels
- Up to 2,700 N (600 lbs) tension

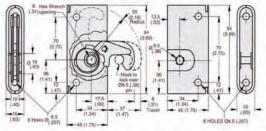






# **Dual Lock™ Butt-Joint Panel Latch** #H2001DL

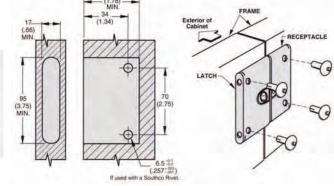
- Dual-action take up provides substantial closing pressure with minimal operating force on tool
- Capable of helping provide air-tight and water-tight seals
- Positive locking and unlocking
- Can be recessed mounted or side mounted





#### Recessed Pocket

Side Mount



# SEC COM.

#### T-Handle Hex Keys #H68620

- Designed to easily open and close Roto Lock
- Size: 6"

# Corner Plate for Platforms

**#HCP10** 

- Used to quickly and easily assemble and disassemble a platform
- Designed to hold a 1" IPS pipe, which can be adjusted to determine platform height
- Size: 3" x 5 1/4" x 8"

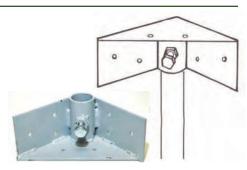


plate shown upside down

## Window & Door Hardware

#### **Door Pull**

- Made of wrought steel and black finish
- · Screws included

Cat. #	Size No.	Length
H21061	1	5 x 1 1/4"
H21062	2	5 3/4 x 1 1/2"
H21063	3	6 1/2 x 1 3/4"
H21064	4	7 3/4 x 2 1/4"

#### **Screen Door Pull**



#### #H2107

- Great for light weight doors, such as screen doors
- · Made of wrought steel
- · Screws included
- Size: 5" overall

#### **Hook Sash Lift**

#### #H2127

- · Steel with brass finish
- · Screws included
- Size: 1 5/8" x 13/16"



#### Flush Sash Lift

#### #H2126

- Solid brass
- Beveled edge on all sides
- · Screws included
- Size: 2 3/4" x 1 5/16"



## Bar Sash Lift

#### #H2125

- Die cast and brass plated
- · Screws included
- Size: 4" wide



#### Casement Fastener

#### #H2124

- Cast aluminum and brass plated
- Mortise and rim strikes and screws included
- Size: 1 1/8" x 1 7/8"



#### #H2123

- Aluminum die cast and brass plated
- Screws included
- Size: 2 9/16"



#### **Door Knobs**

#### #H8345

- Wrought brass knob with steel spindle
- Furnished complete with roses (plates)
- Must order in pairs
- Size: 2 1/4" diameter knob, 5/16" diameter of spindle



#### **Tubular Latchset**

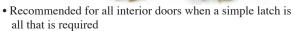
#### #H7305

- A simple and inexpensive latchset used for scenery doors
- Dull brass plated finish
- Sold as a set
- Size: 2" diameter



#### Passage Lockset

#### #H200B



- Plain knob on both sides
- Has no locking system



## **Entry Lockset**

#### #H400BDL

- Recommended for use on any exterior door where keyed locking is desired
- Either key from exterior or the turn button from interior will lock or unlock both knobs

#### **Door Holder**

#### #H2112

- Used to hold castered platform from moving
- Die cast step down, spray finished, soft rubber tip on plunger
- Size: 6 1/2" overall



#### Angled Door Holder

#### #H2113

- Used to hold castered platform from moving
- Die cast step down, spray finished, soft rubber tip on plunger
- Size: 6 1/2" overall



Wagon Brakes are on page 13.

## Sliding Bolts, Hasps & Locks

#### **Surface Bolt**



- Wrought steel with heavy dull brass plating
- Each bolt is furnished with universal, angle, and flat strikes
- Screws included

Cat. # Length H21194 6" H21196

#### **Cane Bolt**

Cat. #	Length
H100912	12"
H100918	18"



• Recommended for use on large swinging doors as the bolt that goes into the ground. Can also be used to lock flats into position.

#### **Square Bolt**

- Wrought steel with japanned finish
- Furnished with a heavy steel spring which holds the cadmium plated bolt in position

Cat. #	Length
H21176	6"
H21178	8"



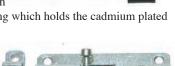
· Wrought steel

Cat. #	Length
H21143	3"
H21144	4"
H21145	5"
H21146	6"



• Furnished with a heavy steel spring which holds the cadmium plated bolt in position

Cat. #	Lengt
H2117L6	6"
H2117L8	8"





## Sesamee Lock

#HTK-436

#HTK-RO436 (All weather #HTK-437 (Long Shackle)

- •Tired of having your locks freeze keeping you from your tools and equipment? This all weather lock for you! It will not rust.
- You choose the four-digit combination to open your lock







#### **Sesamee Lock** with Pressure Cast Body

#HTK-500

• Same as #436 but with a pressure cast body

#### Safety Hasp with Adjustable Staple

• Wrought steel with a zinc plated finish

Cat. #	Lengtl
H21013	3 1/2"
H21014	4 1/2"
H21016	6"





#### Safety Hasp

· Wrought steel with a zinc plated finish

Cat. #	Length
H21023	3 1/2"
H21024	4 1/2"
H21026	6"



#### Single Hinged Hasp

- Wrought steel with a zinc plated finish
- When hasp folds over, the screws are protected.
- Fixed Staple

Cat. #	Length
H21033	3 1/2"
H21034	4 1/2"
H21036	6"



#### **Double Hinged Hasp**

#H885

- Wrought steel with a zinc plated finish
- Size: 7 1/2" x 1 3/4"



#### **Turn Button**

#H2067

- Drop forged steel with a bright zinc finish
- Size: 5/8" x 2"



#### Master Lock

· You can have all your locks keyed alike or keyed differently.

Cat. #	Shackle	Keyed
HT5KD	Regular	Different
HT5KA	Regular	Alike



#### American Lock 700 Series

• Heavy Duty available keyed alike per 6 pack

Cat. #	Shackle	Keyed
HT703KA	Long	Alike



## Cabinet Catches

## **Spring Cabinet** Catch

#HCD34

· Cast iron with a brass plated finish



## **Spring Cabinet** Catch

#HSP37

- Cast iron with a brass plated finish
- Brass wire coil spring operates a hook catch



#### **Touch** Latch

#H942

• Cast iron with a brass plated finish



#H944

• Cast iron with a brass plated finish



• Cast iron with a brass plated finish



· Steel and brass finished

Diameter
3/8"
1/2"
3/4"







#### Magnetic **Catches**

**Single** #HSP41 **Double** #HSP45





#### **Double Stacked Magnetic Catch**

#H3233

- Cast iron with a brass plated finish
- Brass wire coil spring operates a hook catch



### **Magnetic Push Touch Catch**

#HMPC

· Cast iron with a brass plated finish





#### **Elbow Catch**

#H2183

- · Cast iron with a brass plated finish
- Brass wire coil spring operates a hook catch

#### **Friction Catch**

#H2184

- Wrought steel
- Size: 1 1/2" x 5/8" housing, 1 1/4" x 3/8" strike



## **Cupboard Catch**

#H2186

- Steel and brass finished
- Size: 1 3/4" x 1 3/4"



## Door & Cabinet Hinges

#### **Screen Door Hinges**

#H3002

- Wrought steel
- Adjustable tension for regulating door to close slowly or quickly
- · Oil tempered steel wire coil spring
- Size: 3" x 3"



# **Double Acting Spring Hinges**

- Hinges made with concealed hardened frictionless bearings
- No hanging strip required

Cat. #	Size	Door Thickness
H10013	3"	3/4"-1"
H10014	4"	7/8"-1 1/4"
H10015	5"	1 1/8"-1 1/2"
H10016	6"	1 3/8"-1 3/4"



#### **Double Acting Hinges**

- Wrought steel and brass plated finish
- Double acting for all folding units

	Length	Door
Cat. #	of Joint	Thicknes
H208734	1 3/4"	3/4"
H20871	2"	1"
H2087118	2"	1 1/8"
H2087114	2"	1 1/4"





## **Spring Hinge**

#H2098

- Wrought steel with brass plated finish
- Must order in pairs
- Size 2" length x 1 3/4" width (open)



#### **Narrow Cabinet Butts**

- Wrought steel with brass plated finish
- Non rising loose pin has a flat button tip
- Must order in pairs

Cat. #	Length	Width
H2097112	1 1/2"	1 3/8"
H20972	2"	1 9/16"
H2097212	2 1/2"	1 11/16"
H20973	3"	2"





#### Piano Hinge

- Wrought steel with polished chrome or brass finish
- Screw holes are 2" apart
- Length 6'

#### Chrome

Cat. #	Width
H21361116C	1 1/16"
H2136114C	1 1/4"
H2136112C	1 1/2"
H21362C	2"



Brass	
Cat. #	Width
H21361116B	1 1/16"
H2136114B	1 1/4"
H2136112B	1 1/2"
H21362B	2"

## **Light Narrow Hinges Fast Pin**

- Wrought steel with black finish
- Must order in pairs

Cat. #	Length	Width
H20911	1"	1 3/16"
H2091112	1 1/2"	1 1/2"
H20912	2"	1 11/16"
H2091212	2 1/2"	1 7/8"
H20913	3"	2 3/16"



## **Light Narrow Hinges**

#### **Loose Pin**

- Wrought steel with black finish
- Must order in pairs

C-4 #	T41-	XX7: J41-
<u>Cat. #</u>	Length	<u>Width</u>
H20921	1"	1 3/16"
H2092112	1 1/2"	1 1/2"
H20922	2"	1 11/16"
H2092212	2 1/2"	1 7/8"
H20923	3"	2 3/16"

#### **Loose Pin Broad Butts**

- Wrought steel with a plain finish
- Must order in pairs

Cat #	Length	Width
H20932	2"	2"
H2093212	2 1/2"	2 1/2"
H20933	3"	3"
H2093312	3 1/2"	3 1/2"





#### **Fast Pin Broad Butts**

- Wrought steel with a plain finish
- Must order in pairs

<u>Cat #</u>	Length	<u>Width</u>
H20942	2"	2"
H2094212	2 1/2"	2 1/2"
H20943	3"	3"
H2094312	3 1/2"	3 1/2"

#### **Loose Pin Door Butts**

- Wrought steel with a brass plated finish
- Must order in pairs

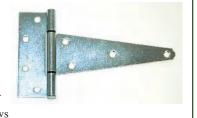
Cat #	Length	Width
H20953	3"	3"
H2095312	3 1/2"	3 1/2"
H20954	4"	4"



## Theatrical Hinges

#### **Heavy Tee Hinges**

- Wrought steel with a zinc finish
- · Must order in pairs



		Diameter of
Cat. #	Length	Wood Screw
H20894	4"	#8
H20895	5"	#8
H20896	6"	#9
H20898	8"	#10

#### Fast Pin Backflaps

- Wrought steel with a plain finish and a fast pin
- Must order in pairs



			Diameter of
Cat. #	Length	Width (open)	Wood Screws
H2085112	3 1/2"	1 1/2"	#8
H2085134	3 3/4"	1 3/4"	#8
H20852	4 1/4"	2"	#8
H2085214	4 1/2"	2 1/4"	#8

#### Loose Pin Backflaps

- Wrought steel with a plain finish and a loose pin
- Must order in pairs

-	07	10	
0			0
1	0	0	

			Diameter of
Cat. #	Length	Width (open)	Wood Screws
H2086112	3 1/2"	1 1/2"	#8
H2086134	3 3/4"	1 3/4"	#8
H20862	4 1/4"	2"	#8
H2086214	4 1/2"	2 1/4"	#8

#### Modified Loose Pin Backflap

#### #H2086M

- Made for heavy duty hanging
- 3/16" play between the male & female knuckle for easier set assembly
- 2 1/4" 20 penny nail will work fine for a replacement pin
- Size: 2 1/4" x 4 1/2"
- Must order in pairs

#### **Cut Down Strap Hinge**

#### #H2082CD

- Cut down version of #H2082
- Loose pin strap hinges
- Size: 3 3/4"
- Must order in pairs





#### **Fast Pin Straphinges-Light**

- Wrought steel with a zinc finish and a fast pin
- Must order in pairs

		Diameter of
Cat. #	Length	Wood Screws
H20813	3"	6
H20814	4"	8
H20816	6"	9

#### **Fast Pin Straphinges-Heavy**

- Wrought steel with a zinc finish and a fast pin
- Must order in pairs

	Diameter of
Length	Wood Screws
4"	9
5"	10
6"	10
8"	12
	4" 5" 6"



#### **Loose Pin Straphinges-Light**

#H2082

- Wrought steel with a plain finish and a loose pin
- Must order in pairs
- Size: 6" Length, Width 1 9/16", #10 wood screw

## **Loose Pin Straphinges-Heavy**

- #H2084
- Wrought steel with a plain finish and a loose pin
- Must order in pairs
- Size: 6" Length, Width 2 5/6", #10 wood screw



#### **Steel Pin Wire**

#H141605 (5 lbs) #H141650 (50 lbs)

- Used to pin backflaps and straphinges
- Made of soft, galvanized annealed wire
- Size: 6"L x 13 gauge

## Wire & Screen Cloth -

#### **Picture Wire**

- Made of fine tinned wire
- Will support heavy loads
- Five pound coils

Cat. #	Size
HPW92361S	1 (small)
HPW92362M	2 (medium)
HPW92364L	4 (large)
HPW92366XL	6 (extra large)



#### **Stone Wire**

• Used to stabilize two or more flats

Cat. #	Gauge	Pounds
H770316	16	1
H7703181	18	1
H77031812	18	12
H77032012	20	12



#### **Bailing Wire**

#H7700

- A black annealed wire 16 gauge
- 3.5 pound coils

#### Floral Wire

#H7705

- A green wire (also called magic twist) for plants
- With cutter attached

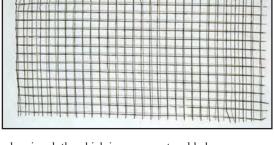




#### **Forming** Cloth

#H7704

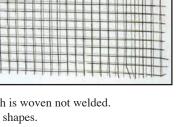
- A pliable soft black, wire cloth, which is woven not welded.
- Used for making all types of scenery shapes.
- Size: 48" width, 100' length



#### **Hardware Cloth**

• Strong woven mesh which is hot galvanized after weaving

Cat. #	Size (mesh/in)	Width (roll)	Length (
H77022x36	2" x 2"	36"	100
H77022x48	2" x 2"	48"	100'
H77024x36	4" x 4"	36"	100'
H77024x48	4" x 4"	48"	100'







#### **Hex Mesh Netting**

• Strong mesh cloth which is galvanized after weaving

Cat. #	Size (hex)	Width (roll)	Length (roll)
H77011x36	1"	36"	150'
H77011x48	1"	48"	150'
H77012x36	2"	36"	150'
H77012x48	2"	48"	150'

#### Cello Glass

- Aluminum screening encapsulated in plastic
- Used to waterproof instruments
- Length: 50"

Cat. #	Wide
GPCello36	36"
GPCello48	48"





#### **Fiberglass Screen Cloth**

- Made of glass with a resin coating
- It will not burn or corrode and will resist impact without sagging or bulging
- Mesh is 18 x 14

<u>Cat. #</u>	Width	Length (roll)
H523536	36"	100'
H523548	48"	100'

#### Aluminum Screen Cloth

• Made of the best grade aluminum wire, which will not rust or corrode

Cat. #	Width	Length (roll)
H523436	36"	100'
H523448	48"	100'
H523472	72"	100'



## Wagon Brakes & Light/Medium Duty

#### **Wagon Brakes**

One of the most common problems on stage is how to quickly brake and then release rolling scenery. Wagon Brakes provide secure holding power, as well as fast, quiet releasing without the need for drilling holes in the stage floor. Mounted to the side of a platform or scenery, this brake actually lifts the scenery off its casters, preventing the wagon from shifting under active actor movements. A unique lever action pushes down a plunger, lifting even heavy pieces with only minimal force required from a stagehand. A minimum of two brakes per unit are recommended. Extension Spindle is required.

Cat. #	Description
GPHWBL	Wagon Brake Large-800 lbs
GPHSL	Spindle Large 3/8" x 3 1/2"
GPHWBS	Wagon Brake Small-300 lbs.
GPHSS	Spindle Small 5/16" x 2 1/2"

Each Wagon Brake is shown with corresponding extension spindle.





#### **Light Duty Casters #7-9 Series**

- Load capacity 60 lbs.
- · Oilless wheel bearing
  - Bright zinc finish
- Dual ball bearing raceway in swivel
- No brake available on light duty series
- This furniture caster is very easy to conceal

		Type of	Wheel	Load
Cat. #	Type	Wheel	Diameter	Height
CS9-7DN	Rigid	Neoprene	1 3/4""	2 3/8"
CS25-7DN	Swivel	Neoprene	1 3/4"	2 3/8"

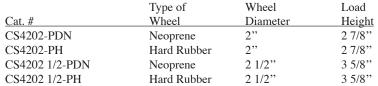


rigid

#### **Medium Duty Casters #4200 Series**

- Load capacity 150 lbs.
- · Oilless wheel bearing
- Bright zinc finish
- Dual ball bearing raceway in swivel
- No brake available on #4200 series

#### **SWIVEL**







	Type of	Wheel	Load
Cat. #	Wheel	Diameter	Height
CS4202-PRDN	Neoprene	2"	2 7/8"
CS4202-PRH	Hard Rubber	2"	2 7/8"
CS4202 1/2-PRDN	Neoprene	2 1/2"	3 5/8"
CS4202 1/2-PRH	Hard Rubber	2 1/2"	3 5/8"

rigid



## Medium Duty

**Medium Duty Low Profile Casters #4730 Series** 

- Load capacity 300 lbs.
- Dual ball bearingwheels
- Greater floor protection
- Dual ballbearing raceway in swivel
- No brake available on #4730 series



#### **SWIVEL**

	Type of	Wheel	Load
Cat. #	Wheel	Diameter	Height
CS4732-XDN	Neoprene	2"	3 1/4"
CS4732-XH	Hard Rubber	2"	3 1/4"
CS4732 1/2-XDN	Neoprene	2 1/2"	3 3/4"
CS4732 1/2-XH	Hard Rubber	2 1/2"	3 3/4"

Our most popular, and cost effective, stage platform caster. A must have for any school or community theatre!



swivel



#### **RIGID**

	Type of	Wheel	Load
<u>Cat.</u> #	Wheel	Diameter	Height
CS4732-XRDN	Neoprene	2"	3 1/4"
CS4732-XRH	Hard Rubber	2"	3 1/4"
CS4732 1/2-XRDN	Neoprene	2 1/2"	3 3/4"
CS4732 1/2-XRH	Hard Rubber	2 1/2"	3 3/4"

rigid

#### 4760-XD Series

- Load capacity 300 lbs.
- Soft round ball bearing
- Dual ball bearing raceway in swivel

Wheel Diameter 3"	Load Height 4 1/4"	Cat. # CS4763-RXD CS4763-XD	Type of Wheel Rigid Swivel
3 1/2"	4 3/4"	CS4763 1/2-RXD CS4763 1/2-XD	Rigid Swivel
4"	5 5/16"	CS4764-RXD CS4764-XD	Rigid Swivel
5"	6 5/16"	CS4765-RXD CS4765-XD	Rigid Swivel





rigid

## Medium Duty

#### #4760 Series Medium Duty Casters

- Load capacity 350 lbs.
- Oilless wheel bearing
- Dual ball bearing raceway in swivel







#### **Neoprene Wheels**

Wheel Diameter 2 1/2" 2 1/2"	Load Height 3 3/4" 3 3/4"	Cat. # CS4762 1/2-RDN CS4762 1/2-DN	Type of Wheel Rigid Swivel
3"	4 5/16"	CS4763-RDN	Rigid
3"	4 5/16"	CS4763-DN	Swivel
3"	4 5/16"	CS4763-DNB	Brake
3 1/2"	4 3/4"	CS4763 1/2-RDN	Rigid
3 1/2"	4 3/4"	CS4763 1/2-DN	Swivel
3 1/2"	4 3/4"	CS4763 1/2-DNB	Brake
4"	5 5/16"	CS4764-RDN	Rigid
4"	5 5/16"	CS4764-DN	Swivel
4"	5 5/16"	CS4764-DNB	Brake
5"	6 1/4"	CS4765-RDN	Rigid
5"	6 1/4"	CS4765-DN	Swivel
5"	6 1/4"	CS4765-DNB	Brake
6"	7 3/8"	CS4766-RDN	Rigid
6"	7 3/8"	CS4766-DN	Swivel

#### **Hard Rubber Wheels**

Wheel <u>Diameter</u> 2 1/2" 2 1/2"	Load <u>Height</u> 3 3/4" 3 3/4"	Cat. # CS4762 1/2-RH CS4762 1/2-H	Type of Wheel Rigid Swivel
3"	4 5/16"	CS4763-RH	Rigid
3"	4 5/16"	CS4763-H	Swivel
3 1/2"	4 3/4"	CS4763 1/2-RH	Rigid
3 1/2"	4 3/4"	CS4763 1/2-H	Swivel
4"	5 5/16"	CS4764-RH	Rigid
4"	5 5/16"	CS4764-H	Swivel
5"	6 1/4"	CS4765-RH	Rigid
5"	6 1/4"	CS4765-H	Swivel
6"	7 3/8"	CS4766-RH	Rigid
6"	7 3/8"	CS4766-H	Swivel

#### #4160 Series Large Plate Theatrical Casters

- Load capacity 350 lbs.
- Oilless wheel bearing
- Dual ball bearing raceway in swivel
- No brake available on #4160 series
- Only available in swivel

	Type of	Wheel	Load
Cat. #	Wheel	Diameter	Height
CS4163-DN	Neoprene	3"	4 5/16"
CS4164-DN	Neoprene	4"	5 5/16"
CS4164-H	Hard Rubber	4"	5 5/16"





Swivel

#### **#3170 Series**

- Precision ball bearings
- Wheel is solid elastomer
- Thread width is 1 3/8"

Wheel	Load		Type of	
Diameter	Height	Cat. #	Wheel	Capacity
3"	4 5/8"	CS31-73RPSE	Rigid	500 lbs
3"	4 5/8"	CS31-73PSE	Swivel	500 lbs.
4"	5 9/16"	CS31-74RPSE	Rigid	600 lbs
4"	5 9/16'	CS31-74PSE	Swivel	600 lbs.

## Heavy Duty **=**

#### **#4170 Series Heavy Duty Casters**

- Load capacity 550 lbs.
- Dual ballbearing raceway in swivel
- Oilless wheel bearing







#### Neoprene Wheels

Rigid

Swivel

Brake

Wheel	Load		Type of
Diameter	Height	Cat. #	Wheel
3"	4 7/16"	CS4173-RDN	Rigid
		CS4173-DN	Swivel
		CS4173-DNB	Brake
4"	5 7/16"	CS4174-RDN	Rigid
		CS4174-DN	Swivel
		CS4174-DNB	Brake
5"	6 7/16"	CS4175-RDN	Rigid
		CS4175-DN	Swivel
6"	7 9/16"	CS4176-RDN	Rigid
		CS4176-DN	Swivel

These may look old school, but this ancient caster really rolls! The best platform/scenery caster ever. Load it up!



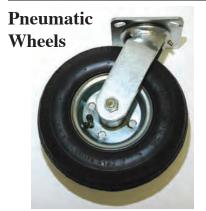
#### **#2SL Twin Wheel Casters Heavy Duty Low Level Casters**

- 2 7/16" overall height with twin 2" diameter wheels
- Can carry up to 600 lbs per caster on a smooth, hard floor
- Suitable for use with concert grand pianos, fireproof filing cabinets, safes and other heavy equipment
- · Swivel casters

Cat. #	Load Capacity	Wheel Type
CS2SL-NYWH	350 lbs	Twin Nylon
CS2SL-C1PL	600 lbs	Twin Semi-Steel
CS2SL-NYOL	350 lbs	Yellow Polyurethane

#### **Hard Rubber Wheels**

Wheel	Load		Type of
Diameter	Height	Cat. #	Wheel
3"	4 7/16"	CS4173-RH	Rigid
		CS4173-H	Swivel
4"	5 7/16"	CS4174-RH	Rigid
		CS4174-H	Swivel
5"	6 7/16"	CS4175-RH	Rigid
		CS4175-H	Swivel
6"	7 9/16"	CS4176-RH	Rigid
		CS4176-H	Swivel





Got a flat? We have replacement inner tubes.

Wheel	Load		Type of
Diameter	Height	Cat. #	Wheel
8"	10"	CS418RPC	Rigid
8"	10"	CS418PC	Swivel
8"	10"	CS418T	Replacement Tube
10"	12"	CS4110RPC	Rigid
10"	12"	CS4110PC	Swivel
10"	12"	CS4110T	Replacement Tube

The 10" wheels feature **Semi-Foam Care Free Tires**. You never have to put air in them! Truly worth the additional cost!

10"	12 1/4"	CS4110RPC	Rigid
10"	12 1/4"	CS4110PC	Swivel

## Heavy Duty & Triways

#### **LH Heavy Duty Casters**

- Polished chrome finish
- Single ballbearing raceway in swivel
- No brake available on stem casters
- 1/2" x 1" NC threaded stem
- Only available in swivel
- Neoprene = Quiet

Cat. #

CSL32-XDN

CSL32-XAE

CSL83-XAE

CSL321/2-XKN

CSL321/2-XAE

- Elastomer = Harder/Easier to roll
- Corded Neoprene = Extra Strong
- Excellent when used with the Triway Plate



Load

Capacity

300 lbs.

400 lbs.

350 lbs.

400 lbs.

900 lbs.

#CSL32-XDN Twin Wheel

Type of

Neoprene

Elastomer

Elastomer

Elastomer

Corded Neoprene

Wheel



#CSL83-XAE Single Wheel







**Stem Casters for Pipe** #CSLS63

#### #CSLS63WB

- Polished chrome finish
- Single ballbearing raceway in swivel
- Neoprene bushing for 1 1/4" or 1 1/2" I.D. Pipe
- Available with brake (WB) or without
- DN Wheel Type-Neoprene
- 3" Diameter

#### Triway Swivel - "Turtle"

• Steel constructed body is the strongest made

Wheel

2"

2"

2 1/2"

2 1/2"

Diameter

- All ball-bearing construction • Quiet, soft rubber wheel
- 900 lb load capacity



	w neer	Load	Load	wneer
Cat. #	Diameter	Capacity	Height	Description
CSTW2XDN	2"	900	5"	2" Double Neoprene
CSTW2XAE	2"	1200	5"	2" Double Elastomer
CSTW212XKN	2 1/2"	1100	5 7/16"	2 1/2" Double Corded Neopren
CSTW212XAE	2 1/2"	1200	5 7/16"	2 1/2" Double Elastomer
CSTW3XAE	3"	2700	6 1/6"	3" Single Elastomer

We introduced "The Turtle" to the entertainment industry over 5 years ago so it only seems fitting that we offer the widest variety of Turtles today...You can also buy the plate alone so you can build whatever you want and rotate it!



Cat. # Description **CSTWP** Plate Only - build whatever you like!

#### 180 Series

- Load capacity 800 lbs.
- Four-sided double ball bearing
- Polyurethane wheels

•			
Type of	Wheel	Load	
Wheel	Diameter	Height	Cat. #
Swivel	4"	5 15/16"	CS184T
Brake	4"	5 15/16"	CS184TB
Rigid	4"	5 15/16"	CS184RT
Swivel	5"	6 5/8"	CS185T
Swivel	6"	7 1/2"	CS186T
Swivel	8"	10"	CS188T







## Rubber Bumpers & Glides

#### **Rubber Impact Bumpers**

#### **Doughnut Bumpers**

#CS63-A-813G

- Designed for installation on the ends of tubular handles
- Contains a steel insert
- · Attaches to wood or metal
- Color: grey



#### **Corner Bumpers**

#CS63-A-1676G

- holes for attachment



#### **Strip Bumpers**

#CS63-A-567G

- Designed for metal or wood surfaces
- Easy to apply and does not require a special channel
- Color: grey

#### **Corner Bumpers**

#CS63-A-833G



- Provides adequate protection to all surfaces that may be contacted, such as doors, door-facings, walls, furniture, and other equipment
- · Easily attached using self-taping sheet metal screws
- · Color: grey

- Made with A-567 strip bumper
- Designed with 3/16" diameter bolt

#### **Single Prong Glides**

· Made of high carbon steel and nickel plated finish

Cat. #	Diamete
H46622	1/2"
H46623	5/8"
H46624	3/4"
H46625	7/8"



#### **Deluxe Glides**

#H103

- Made of case hardened steel with a resilient rubber cushion and a nickel plated finish
- Size: Diameter 7/8"

#### **Leveling Deluxe Glides**

#H104

- · Used for height adjustment
- Size: 1/4" x 1"





#### **Three Prong Glides**

- Used on the bottom of objects, such as chairs, to help them glide
- 1 1/8" can be used for sliding scenery

Cat.#	Size	Diameter
H46601	1	3/8"
H46602	2	1/2"
H46603	3	5/8"
H46604	4	3/4"
H46605	5	7/8"
H46606	6	1 1/8"



#### Felt Gards®

- Felt guard pads with adhesive backing.
- Protects hardwood, linoleum, ceramic tile and other hard surfaces.

Cat. #	Diameter	#/pkg
CS9952	1"	16
CS9953	1 1/2"	8

#### Magic Sliders®

- Slides everything as if it has wheels.
- For all appliances, foot furniture and scenery.
- Protects hardwood, linoleum, ceramic tile and other hard surfaces.
- •The concave is great for moving pianos.
- •The Grip Tech model stays on the leg better then anything we have seen.

Cat. #	Diameter	#/pkg	Move uo to
CS4025	1"	4	1600 lbs.
CS4125	1" w/Grip Tip	4	1600 lbs.
CS4225	1 1/4" w/Grip Tip	4	1600 lbs.
CS4050	2" Round	4	2500 lbs.
CS4124	15/16" x 4" rectang	le 4	3200 lbs.
CS4600	2 3/8" concave	4	2500 lbs.
CS4100	4"	4	3200 lbs.





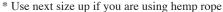
## Pulleys & Blocks

#### **Single Swivel Eye Pulley**

	Sheave	For Rope
Cat. #	Diameter	Diameter*
H31733/4	3/4"	3/16"
H31731	1"	1/4"
H317311/2	1 1/2"	3/8"
H31732	2"	7/16"
* Use next size	e up if you are u	sing hemp rope

#### Single Fast Eye Pulley New Style

	Sheave	For Rope
Cat. #	Diameter	Diameter
H31743/4	3/4"	3/16"
H31741	1"	1/4"
H317411/2	1 1/2"	3/8"
H31742	2"	7/16"



## Single Fast Eye Pulley Old Style

	Sheave	For Rop
Cat. #	Diameter	Diamete
H3111112	1 1/2"	3/8"
H31112	2"	1/2"
H3111212	2 1/2"	5/8"

#### Double Swivel Eye Pulley

Sheave	For Rope
Diameter	Diameter*
3/4"	3/16"
1"	1/4"
1 1/2"	3/8"
2"	7/16"
	Diameter 3/4" 1" 1 1/2"

<sup>\*</sup> Use next size up if you are using hemp rope

#### **Double Fast Eye Pulley**

	Sheave	For Rope
Cat. #	Diameter	Diameter*
H31763/4	3/4"	3/16"
H31761	1"	1/4"
H317611/2	1 1/2"	3/8"
H31762	2"	7/16"



#### **Double Fast Eye Pulley with becket**

	Sheave	For Rope
Cat. #	Diameter	Diameter*
H32233/4	3/4"	3/16"
H32231	1"	1/4"
H322311/2	1 1/2"	3/8"
H32232	2"	7/16"

<sup>\*</sup> Use next size up if you are using hemp rope

# Double HD Fast Eye Pulley Old Style

 Sheave
 For Rope

 Cat. #
 Diameter
 Diameter

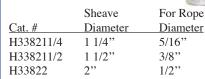
 H3223
 2"
 1/2"



## Double Side Pulley Old Style

	Sheave	For Rope
Cat. #	Diameter	Diameter
H34822	2"	1/2"

#### **Single Side Pulley**



#### Single Floor Pulley - A

	Sheave	For Rope
Cat. #	Diameter	Diameter
H33652	2"	3/8"
H336521/2	2 1/2"	1/2"

#### **Single Floor Pulley - B**

	Sheave	For Rope
Cat. #	Diameter	Diameter
H338411/2	1 1/2"	3/8"
H33842	2"	1/2"
H338421/2	2 1/2"	5/8"
H33843	3"	3/4"

#### **Double Floor Pulley**

	Sheave	For Rope
Cat. #	Diameter	Diameter
H338511/2	1 1/2"	3/8"
H338521/2	2"	1/2"







# Pulleys & Blocks

#### **Single Line Cable Pulleys**





Swivel Eye



	Base		
Type of		Sheave	Cable/Rope
Pulley	Cat. #	Diameter	Diameter
Base	H3901B112	1 1/2"	3/16"
	H3901B2	2"	1/4"
	H3901B212	2 1/2"	1/4"
Fast Eye	H3901FE112	1 1/2"	3/16"
	H3901FE2	2"	1/4"
	H3901FE212	2 1/2"	1/4"
Swivel Eye	H3901SE112	1 1/2"	3/16"
	H3901SE2	2"	1/4"
	H3901SE212	2 1/2"	1/4"

#### **Double Line Cable Pulleys**







Base

Type of		Sheave	Cable/Rope
Pulley	Cat. #	Diameter	Diameter
Base	H3902B112	1 1/2"	3/16"
	H3902B2	2"	1/4"
	H3902B212	2 1/2"	1/4"
Fast Eye	H3902FE112	1 1/2"	3/16"
-	H3902FE2	2"	1/4"
	H3902FE212	2 1/2"	1/4"
Swivel Eye	H3902SE112	1 1/2"	3/16"
•	H3902SE2	2"	1/4"
	H3902SE212	2 1/2"	1/4"

#### **Sheaves**

- Pressure-molded nylon
- 10 per package
- Bolt Hole Diameter 1/4"

	For Rope	Overall
Cat. #	Diameter	Dimension
H84611	5/16"	1 11/16" x 1/2"
H84612	5/16"	2 1/2" x 7/16"



#### **Iron Strapped Wood Blocks**

• Loose side hook, roller bushed sheaves

# of		Sheave	For Rope
Pulleys	Cat. #	Diameter	Diameter
Single	H213	3"	3/8"
	H214	4"	1/2"
	H215	5"	5/8"
	H216	6"	3/4"
Double	H223	3"	3/8"
	H224	4"	1/2'
	H225	5"	5/8"
	H226	6"	3/4"
Triple	H233	3"	3/8"
	H234	4"	1/2"
	H235	5"	5/8"
	H236	6"	3/4"



#### Harken Blocks - 3"





WILL C	WIDCERCE			
-		Max Rope		Breaking
Type	Cat. #	Diameter	Length	Strength
Single	H313	7/16"	5"	2,500 lbs.
Single	H313B	7/16"	6 1/4"	3,000 lbs.
Triple	H333R	9/16"	7 3/4"	8,500 lbs.

<sup>\*</sup>We stock many additional blocks than listed here. Please contact a sales person for availability.

#### **Small Mule Blocks**

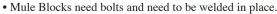
• Used for many purposes, such as changing directions of a line

Cat. #	Capacity	Sheave
H2177S	Single	3/8" Rope
H2177SC	Single	1/8" Cable
H2177D	Double	3/8" Rope
H2177DC	Double	1/8" Cable
H2177T	Triple	3/8" Rope



#### **Mule Blocks**

• Used to redirect aircraft cable around obstacles, such as support beams and other rigging.



• Grooved for 1/4"					
Cat. #	Lines	Diameter	Sheave		
HR1812	1	8"	Cast Iron		
HR8812	8	8"	Cast Iron		

## Head & Loft Blocks

#### **Underhung Head Blocks Series 59**

#### Series 59 & 59M General Specifications

# of cables - 6 or 8

Cable diameter - 1/4" on 8" & 12" 3/8" on 16" Rope diameter - 3/4" on 8" & 12" 1" on 16"

	# of	Sheave	Base		Quick	
Cat. #	Lines	Diameter	Length	Sheave	Ship	Purchase
HR06859	6	8"	27"	Cast Iron	No	Single
HR08859	8	8"	27"	Cast Iron	No	Single
HR61259	6	12"	30"	Cast Iron	Yes	Single
HR61259N	6	12"	30"	Nylon	No	Single
HR81659	8	16"	34"	Cast Iron	No	Single
HR81259	8	12"	30"	Cast Iron	Yes	Single
HR81259N	8	12"	30"	Nylon	No	Single
HR61259M	6	12"	30"	Cast Iron	No	Double
HR81259M	8	12"	30"	Cast Iron	No	Double
HR61259NM	6	12"	30"	Nylon	No	Double
HR81259NM	8	12"	30"	Nylon	No	Double



#### **Upright Head Blocks - Series 55**

- Equiped with Timken roller bearing assemblies
- Equally adapted to either T-bar or wire guides

	# 01	Sileave	Dase		Quick	
Cat. #	Lines	Diameter	Length	Sheave	Ship	Purchase
HR06855	6	8"	27"	Cast Iron	No	Single
HR08855	8	8"	27"	Cast Iron	No	Single
HR61255	6	12"	30"	Cast Iron	Yes	Single
HR61255N	6	12"	30"	Nylon	No	Single
HR81655	8	16"	34"	Cast Iron	No	Single
HR81255	8	12"	30"	Cast Iron	Yes	Single
HR81255N	8	12"	30"	Nylon	No	Single
HR61255M	6	12"	30"	Cast Iron	No	Double
HR81255M	8	12"	30"	Cast Iron	No	Double
HR61255NM	6	12"	30"	Nylon	No	Double
HR81255NM	8	12"	30"	Nylon	No	Double

#### Series 55 & 55M General Specifications

# of cables - 6 or 8

Cable diameter - 1/4" on 8" & 12" 3/8" on 16" Rope diameter - 3/4" on 8" & 12" 1" on 16"



#### Universal Loft Block Series 55/59

- •May be mounted upright or underhung
- •May be supported by I-beam, grid wells, or Unistrut
- •17mm sealed precision ball bearings or tapered roller bearings in 8" blocks
- 1" tapered roller bearings in 12" blocks and in 8" blocks with 4 or 8 cable grooves.
- General Specifications:

Cable diameter - 1/4"

Rope diameter - 3/4"



Ouial

ĺ		# of	Sheave		Quick	
ŀ	Cat. #	Lines	Diameter	Sheave	Ship	Bearings
	HR8859T	8	8"	Cast Iron	No	Tapered
	HR8859TN	8	8"	Nylon	No	Tapered
	HR81059T	10	8"	Cast Iron	No	Tapered
	HR81259T	8	12"	Cast Iron	No	Tapered

HR070CA

Underhung Loft Block Clip -requires two mounting angles

-Specify beam spacing

#### **Mounting Hardware Series 55 & 59**

Cat. #	Product	Description
HR070CLIP	Upright Head Block Clip	- requires two mounting clips
		-Specify beam thickness
HR070CA	Underhung Head Block Clip	-requires two mounting angles

Clips and angles are furnished with bolts, flat washers & locking nuts.

Hardware

-Specify beam spacing

## Loft Blocks, Floor Blocks & Ropes Locks

#### **Underhung Loft Blocks Series 19**

- •Supported by a single structural beam
- •17mm sealed precision ball bearings or tapered roller bearings in 8" blocks
- 1" tapered roller bearings in 12" blocks and in 8" blocks with 4 or 8 cable grooves.
- 19 Series include mounting angle clips.
- General Specifications:

Cable diameter - 1/4" Rope diameter - 3/4"

Standard flange size - 3/8" throat with a grip range of 4" - 9 Larger size available as custom order.



	# of	Sheave		Quick	
Cat. #	Lines	Diameter	Sheave	Ship	Bearings
HR0819	1	8"	Cast Iron	No	Ball
HR2819	2	8"	Cast Iron	No	Ball
HR0819T	1	8"	Cast Iron	No	Tapered
HR2819T	2	8"	Cast Iron	No	Tapered
HR4819T	4	8"	Cast Iron	No	Tapered
HR8819T	8	8"	Cast Iron	No	Tapered
HR11219T	1	12"	Cast Iron	No	Tapered
HR0819N	1	8"	Cast Iron	Yes	Ball
HR2819N	2	8"	Cast Iron	No	Ball
HR0819TN	1	8"	Nylon	No	Tapered
HR2819TN	2	8"	Nylon	No	Tapered
HR4819TN	4	8"	Nylon	No	Tapered
HR8819TN	8	8"	Nylon	No	Tapered

#### Welch Take-Up Block

#### #HR1015

- · Designed for T-bar rigging
- Welch tension blocks are furnished with shoes Specify 6" or 8" centers when ordering
- · Heavy enough to keep rope taut
- Anti-friction guides for smooth operation
- 3/4" rope diameter standard
- 10" sheave diameter
- Also available in 12". Price upon availability.

#### Wire Guide Floor Block - Series 55M

- Use with wire guide systems only and #HR518 Locking Rail
- Self-lubricating bronze bushings standard
- Ball bearing and Timken available
- 3/4" rope diameter standard
- 8" sheave diameter

Cat. #	Sheave
HR855M	Cast Iron
HR855MN	Nylatron



#### **Sliding Tension Pulleys**

#### #HR1218

- Use above and below stage floor
- Thoroughly guarded to keep rope in place
- 18" adjustment, clamp permits locking at any tension
- Rope diameter: 3/4"
- 12" sheave

# **Operating Line Rope Locks**

#### #HR533R

#### #HR533L Lock with Keyed Lock

- Quick acting positive rope lock for use with hand line at locking rail
- Ductile housing and handle are standard
- Vinyl coated oval safety ring and mounting hardware are included.

#### #HR600 SureLock<sup>TM</sup>

- Lock and key assures rope is not released accidentally
- Adjusts to different rope diameters
- Rope diameter 5/8" 7/8"





# Floor Block, Locking Rail & Carriages

#### **Combination Rope Lock/Floor Block**

- Used to create isolated counterweight systems when locking rail is not desired
- · Used with wire guide or T-bar systems
- Specify 3/4" Multiline rope

			Sneave	
Cat. #	Diameter	Sheave	Position	Quick Ship
HR118	8"	Cast Iron	Fixed	No
HR118N	8"	Nylon	Fixed	No
HR218	10"	Cast Iron	Adjustable	Yes
HR418	12"	Cast Iron	Adjustable	No





#### Wire Guide Carriages

- No track necessary, guided up and down by two wire cables
- 3/4" rod diameter standard, others available

Cat. #	Rod Length
HR854	4'
HR855	5'
HR856	6'
HR857	7'
HR858	8'



#### T-Bar Carriages

- Carriage travels up and down HR150 T-bar track
- All are fitted with safety clamps to lock weights into
- Shoes and 3/4" rod diameter standard, others available

Cat. #	Rod Length
HR154	4'
HR155	5'
HR156	6'
HR 157	7'





- **Locking Rail**
- · Heavy structural steel for maximum safety
- Available for wire guide or T-bar track installation
- Designed so floor blocks can be placed anywhere without extra drilling
- Height: 27"

<u>Cat. #</u>	<u>Description</u>
HR518	For use with wire guide system using the HR855M floor block
HR518M	Same as above but for multi-speed counterweight systems
HR538	For use with T-bar track system using HR1015 or floor block

HR538M Same as above but for multi-speed counterweight systems

#### **T-Bar Track**

#### #HR1500 (plus specifications)

- T-Bar available in unlimited lengths
- When ordering the T-bar track, specify center distance of Tees
- Complete with all accessories

Tee Size	Min. Center	Application
1 1/2"x 1 1/2" x 3/16"	4 1/2"	Light Duty
2" x 2" x 1/4"	6"	Heavy Duty

#### **Replacement Shoes** #HR10158 (8") #HR10156 (6")







- For use with all carriages in catalog
- Weights listed below are approximate and may vary slightly
- Order width according to spacing between the arbors
- FOB from the factory

Cat. #	Thickness	Dimension	Approx. Weight
HR15B	1"	3 3/4"W x 13 3/4"L	12 lbs
HR15C	2"	3 3/4"W x 13 3/4"L	24 lbs
HR16B	1"	6" W x 13 3/4" L	20 lbs
HR16C	2"	6"W x 13 3/4"L	40 lbs

## Winches & Hoists

#### **Thern Clew Winches**

- Manually operated Clew Winches install easily and give stagehands economical dependable control of multiline loads.
- Conveniently raise and lower scenery and lighting battens, with or without counterweights.
- Flexible designs can be easily configured for mounting to a wall or horizontal surface, with either single or double drum.
- All models include load holding brakes for positive load control
- Hex drive input for operating with a drill







#### **Lug-All Cable Ratchet Winch-Hoists**

- Aluminum alloy frame.
- Exclusive drum anchor swaged ball shank terminal-locks
  cable securely in drum and allows for full extension of cable.
  (Other brands use two set screws and 2-3 wraps of cable to hold cable to drum.)
- Cable ends have hydraulically crimped copper sleeve.
- Proprietary reversible handle alway a downward pull, switches positions in seconds.
- •Self storing aircraft cable. No chains are hanging in the way dragging on the ground.
- •Much lighter than chain pullers.
- •Drop forged steel hooks

#### **Cable Specifications**

	Cable	Cable	Total
Cat. #	Diameter	Length	Weight
HR3000	7/32"	31'6"	13 3/4 lbs.
HR4000	1/4"	22"	15 1/2 lbs.

HR3000	7/32"	31'6"	13 3/4
HR4000	1/4"	22"	15 1/2

	Double Line Capacity				Single Line Capacity				
	Capacity	Capacity	Handle Pull	Lifting	Min Distance	Capacity	Handle Pull	Lifting	Min Distance
Cat. #	Tons	Lbs	For Full Loads	Distance	Between Hooks	Lbs	For Full Loads	Distance	Between Hooks
HR3000	1 1/2	3000	100	15'	23 1/2"	1500	97	30'	18"
HR4000	2	4000	115	10'	26 1/2"	2000	110	20'	18 1/2"

# **Steel Plate Clew** with Wire Guides

#### #HR2018

- Used to tie off a number of separate cable into one line
- Wire guides keep weights in a certain path
- Holds up to 10 lines



#### **Steel Plate Clew**

#### #HR2049

- Used to tie off a number of separate cables into one line
- Also used for fastening all lines to a sandbag when Easy Trim Clamp is not affordable.
- Holds up to 5 lines



# Rope Rigging

#### Series 55 Upright Block

- Nylatron
- Constructed with the base angle legs turned in to allow close mounting center
- Sheave Diameter-8"
- · Grooved for rope.

Cat. #	# of Lin	ıe
HR20855	2	
HR30855	3	-
HR40855	4	
HR50855	5	



#### #HR135

- Accommodates up to five 5/8" diameter manila ropes
- Excellent as a tie off cleat when there is no pin rail

#### **Knuckle Buster**

#### #HR85

- Used on a hand line to set a trim height
- For 5/8" or 3/4" rope
- · Shown as front and back
- Not pretty but effective.

#### **Hanging Sandbags**

	8
Cat. #	Description
SB2020S	10 lbs, snap
SB2021S	25 lbs, snap
SB2022S	50 lbs, snap
SB2023S	75 lbs, snap
SB2024S	100 lbs, snap
SB2025S	150 lbs, snap
SB2026S	200 lbs, snap
SB2020	10 lbs no snap
SB2021	25 lbs no snap
SB2022	50 lbs no snap
SB2023	75 lbs no snap
SB2024	100 lbs no snap
SB2025	150 lbs no snap
SB2026	200 lbs no snap

#### **Multi Line II**

- Used for rope rigging-operating line
- Outlasts manila rope and is much easier on the hands

Cat. #	Size
RL52055/8	5/8"
RI 52053/4	3/4"



#### Whip-End Rope Dip®

#### #RLMDR180

- Used as a permanent and flexible rope-end sealer
- Works on manila, nylon, cotton, and poly lines
- 4 oz. with applicator, white in color



#### **Series 19 Underhung Block**

- Grooved for cable or rope
- Standard will grip flanges 3 1/2" to 8" wide, 3/8" to 3/4" thick
- Sheave Diameter-8"
- Please specify width of beam flange
- Grooved for rope.

Cat. #	# of Lines
HR28192	2
HR28193	3
HR28194	4
HR28195	5

#### **Open Base Cleat**

- Used for all types of lashing
- · Small size is used for lash or trickline.
- Large size is used for manila rope

Cat. #	Length
HR2406	6"
HR2412	12"

#### Pin Rail

#HR1552S

(Single Rail) #HR1552D

(Double Rail)

•Belaying Pin and Sand Bags sold separately





#### **Belaving Pins**

Cat. #	Description	
HRBP17	Wood - 17"	1 3/32"
HRBP21	Wood - 21"	1 5/32"

#### **Easy Trim Clamp** Made by Mutual

#### #HR2840

- Used to attach sandbags to any drop
- Allows drop to be trimmed quickly without removing sandbag.





Ultimate Tensile					
	Force	Safety	Working		
Cat#	(lbs.)	Factor	Load Limit		
HR2840	3,129	8	391 lbs.		
Failure Type	- Rope Pullou	ıt			

## Rope & Line



#### Manila Rope

• Made of the finest selected grade manila rope

Strength

• Use where maximum strength is required

III.	2017-58	_			0		0
	-31115	Pot	ınds	Fe	et	Pour	nds
	Size	Full	Per	Full	Ft. in	Breaking	Working
Cat #	Dia.	Coil	100 ft	Coil	1 lb.	Strength	Strain
RL520114	1/4"	50	2.00	2500	50.0	600	120
RL520138	3/8"	50	4.10	1220	24.4	1325	270
RL520112	1/2"	90	7.50	1200	13.3	2650	530
RL520158	5/8"	160	13.3	1200	7.5	4400	880
RL520134	3/4"	200	16.7	1200	6.0	5400	1080

#### Jute Tie Line

#### #RL5204

- 3 ply jute rope
- Specifications: 50 lbs, 1/4" rope diameter, 6000' length



#### **Multiline II**

• Excellent as an operating line

Cat #	Diameter	Quantity	
RL5205DB5/8	5/8"	600'	
RL5205DB3/4	3/4"	600'	

#### **Double Braided**

#### Black Polyester Rope (a.k.a. Sta-set)

- Excellent as an operating line or with use with block & fall
- High strength low stretch very durable

Cat #	Diameter	Quantity	Tensile Strength
RL5206DB3/16	3/16"	2000'	1100 lbs.
RL5206DB1/4	1/4"	1400'	1730 lbs.
RL5206DB5/16	5/16"	1000'	2670 lbs.
RL5206DB3/8	3/8"	900'	3860 lbs.
RL5206DB1/2	1/2"	600'	6820 lbs.

#### Endura 12

- Extreme strength, highest performance rope
- 600' per roll

Cat #	Diameter	Color	Tensile Str
RL5209	5/16"/8mm	Black	13,300 lbs

#### Lash, Sash or Trick Line

#### **Braided White Cotton**

- Made of quality yarn, which is braided firmly and evenly over a fiberglass cord center and then glazed
- Larger sizes available upon request

0	1	1	
Cat #	Size	Diameter	Quantity
RL5203W448	#4	1/8"	48' hank
RL5203W4600	#4	1/8"	600' roll
RL5203W43000	#4	1/8"	3000' roll
RL5203W8100	#8	1/4"	100' hank
RL5203W81200	#8	1/4"	1200' coil
RL5203W10100	#10	5/16"	100' hank
RL5203W101000	#10	5/16"	1000' coil
RL5203W12100	#12	3/8"	100' hank
RL5203W121000	#12	3/8"	1000' coil

#### Wire Center Tiller Rope

• Used on curtains especially when motor operated

• Flexible and strong, black in color					
Cat #	Size	Diameter	Quantity		
RL52206250	#6	3/16"	250'		
RL52206500	#6	3/16"	500'		
RL52208250	#8	1/4"	250'		
RL52208500	#8	1/4"	500'		
RL522010250	#10	5/16"	250'		
RL522010500	#10	5/16"	500'		

#12

#12

#### **Black Nylon Trickline**

• Used when necessary to conceal the line from the audience's view; cannot be seen with a black backdrop

3/8"

3/8"

250'

500'

• 50 yards per roll

RL522012250

RL522012500

Cat #	Pound Test
RL8422B40	40 lbs
RL8422B70	70 lbs
RL8422B108	108 lbs

## White Nylon Trickline

- Used when necessary to conceal the line from the audience's view; cannot be seen with a white backdrop
- 50 yards per roll

Cat #	Pound Test
RL8422W40	40 lbs
RL8422W70	70 lbs
RL8422W108	108 lbs

#### **Clear Monofiliment Trickline**

- Used when necessary to conceal the line from the audience's view; cannot be seen with a colored backdrop
- 100 yards per roll

Cat #	Pound Test
RL8422C30	30 lbs
RL8422C60	60 lbs
RL8422C100	100 lbs





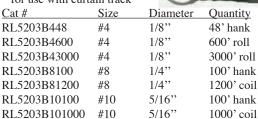
#### **Braided Cord-Polyster**

- 1/8" diameter with tensile strength of 530 lbs.
- 2100' per spool

<u>Cat #</u>	Colo
RL5202B	Black
RL5202W	White

#### **Black Sash Cord**

• Excellent as an operating line for use with curtain track



## Fall Safety & Repelling Equipment

#### Fall Safety Equipment must be worn on all lifts to be in OSHA Compliance.









**Split Rescue Pulleys** 

- Used by rescuers for climbing and ascending, these pulleys are light weight and offer great rigging concepts for entertainment venues.
- •SERP102, SERP104 & SERP111 use 5/8" rope with 2 3/8" aluminum sheaves, stainless axles and stainless steel sideplates aluminum axles and purple soft, lightweight aluminum sideplates

Cat #	MBS	Mechanics	Size	Wt./Efficiency
SERP102	6,000 lbs.	Bearing	4.25" x 3.25"	0.45 lb/91.4%
SERP104	8,500 lbs.	Bearing	4.25" x 3.25"	0.65 lb/95.6%
SERP111	8,500 lbs.	Bushing	5.75" x 3"	0.7 lb/ 91.4%
SERP119	11,000 lbs.	Bearing*	6.5" x 2.6"	0.85 lb/185.7%
*Double Pulle	y with becket			

#### #SEOPHMSL

- **Carabiners**
- Omega Jake Screw-Lok
- Major-Axis Strength 23kN
- Gate Opening Strength 8kN
- Minor-Axis Strength 10kN
- Length: 4.5"
- Weight: 3.5 oz.
- Width: 3.15"

#### #SEOPHMSQ3

- Omega Jake 3-Stage Quik-Lock
- Major-Axis Strength 23kN
- Gate Opening Strength 8kN
- Minor-Axis Strength 10kN
- Length: 4.5"
- Weight: 3.8 oz.
- Width: 3.15"

#### #SEOPLL5

- Omega Lite Locking Standard "D"
- Major-Axis Strength 24kN
- Gate Opening Strength 7kN
- Minor-Axis Strength 9kN
- Length: 4.23"
- Weight: 2.01 oz.
- Width: 2.19"

#### #SEOPLD5

- Omega Lite Standard "D"
- Major-Axis Strength 24kN
- Gate Opening Strength 7kN
- Minor-Axis Strength 9kN
- Length: 4.23"
- Weight: 1.8 oz.
- Width: 2.19"



#### **Micros Single Hauler Pulley**

#### #SEMP

- Rope Capacity 1/2"
- Maximum Breaking Strength: 7,000 lbs.
- Size 6.25" x 2.25"
- Weight 0.45 lb

#### Uplift Pulley #SERP110D

- Rope Capacity 1/2
- Maximum Breaking Strength: 7,000 lbs.
- Size 3.5" x 1.75"
- Weight 0.25 lb



#### **Daisy Chain**

#### #SEDC

- It's like a trim chain for carabiners
- A 42" length of 1" tublar webbing with bartacked loops provide multiple attachment points.
- Because it has multiple loops at different length loops, it allows you to adjust the positioning
- 1" Tubular Webbing
- Strength: Loops: 3,700 lbs. End to End: 6,000 lbs.

#### **KMIII**

• Used for repelling-man line certified.

Cat. #	Description
RL5207B150	Blue - 150 ft
RL5207B600	Blue - 600 ft
RL5207R150	Red - 150 ft
RL5207R600	Red - 600 ft



## #SEL1103

#### Lanyard & **Safety** Harness

#SEL1103







- This Standard Lanyard come with shock pack, double locking snap hooks and 1" nylon webbing. We stock them in 6 foot.
- This lanyard adjusts from 6 foot to 8 foot during a fall which helps minimize injury resulting from fall arest.

• Adjustable chest strap full body harness comes standard with Back D-Ring and offers a universal fit.

- Delta No Tangle Work Vest style harness
- Blue non-reflective vest. Great for use in theatre
- Back D-Ring with tongue buckle legs
- Very easy to put on and wear.

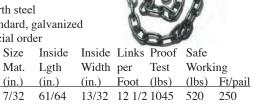




## Chain & Chain Hardware

#### **Steel Proof Coil Chain**

- Grade 30
- · Made of open hearth steel
- Self-colored is standard, galvanized available as a special order



	Size	Mat.	Lgth	Width	per	Test	Worki	ing
Cat #	(in.)	(in.)	(in.)	(in.)	Foot	(lbs)	(lbs)	Ft/pail
HR510316	3/16	7/32	61/64	13/32	12 1/2	1045	520	250
HR51014	1/4	9/32	1	1/2	12	1800	900	150
HR510516	5/16	11/32	1 7/64	1/2	10 3/4	2720	1360	90
HR51038	3/8	13/32	1 15/64	5/8	9 3/4	3720	1860	60

#### **High Test Proof Coil Chain**

- Grade 43
- Made of open hearth steel
- · Self-colored is standard, galvanized available as a special order
- Working Load Limit 2600 lbs

Cat. #	Size	Length
HRHTC14150	1/4"	pail - 150'
HRHTC14800	1/4"	drum - 800

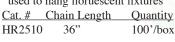
#### Sash Chain

- Folded steel that's looped together tradionally used in windows
- Safe working Load 131 lbs.

Cat. #	Size	Length
HR2515		100'/box

#### **Fixture Chain**

• 1/8" bent wire chain tradionally used to hang floruescent fixtures



#### **Steel Jack Chain**

• Packed 100' per box

		Tensile	Links	Length
Cat #	Size	Strength	per ft	of Link
HR25056	#6	435 lbs	10	1 9/16
HR25058	#8	268 lbs	11	1 5/16
HR25058250	)#8	268 lbs	11	1 5/16 -250' box
HR250510	#10	195 lbs	12	1 1/4
HR250512	#12	145 lbs	16	1
HR250514	#14	66 lbs	19	13/16
HR250516	#16	55 lbs	25	11/16
HR250518	#18	50 lbs	31	1/2

## **Studio**

#### Chain

- Constructed of #1026 Alloy between Grade 30 and Grade 43
- The links are elongated allowing you to put the shackle in the middle of the link as opposed to Grade 30 and Grade 43 where you have to install the shackle at the dead end link.
- •Safe working Load 2,000 lbs.

Cat. #	Size	Length
HR2524C	6/0	100'/box
HR2524M	6/0	1000'/drum

#### **Locking Connecting Link**

· Locks and unlocks easily and quickly

Cat #	Size, chain	Length, overall
HR3678316	3/16"	2"
HR367814	1/4"	2 1/8"
HR3678516	5/16"	3"
HR367838	3/8"	3 3/8"
HR367812	1/2"	4"



#### Lap Link

- Made of wrought steel
- Used to fasten chains onto beam clamps and pipe battens

and pipe batteris			
Cat #	Size (in)	Width (in)	Length (in)
HR3660316	3/16	1/2	1 1/4
HR366014	1/4	1/2	1 1/4
HR3660516	5/16	3/4	1 1/2
HR366038	3/8	1 3/8	1 3/4

#### Screw Pin Shackles

• Made of weldless drop forged steel with a heavy galvanized coating

		Length	Between	n Pin
Cat #	Size	Inside	Eye	Diameter
H32903/16	3/16"	7/8"	7/16"	1/4"
H32901/4	1/4"	1 1/16"	7/16"	5/16"
H32905/16	5/16"	1 1/4"	9/16"	3/8"
H32903/8	3/8"	1 1/2"	5/8"	7/16"
H32901/2	1/2"	2"	7/8"	5/8"

#### **Hand Operated Cutters** Better known as "Bolt Cutters"



• Maximum hardness of material to be cut - Brinell 400, Rockwell C42

Weight	Handle	Cutting	
lbs	Length	Capacity*	Capacity**
2 3/4	14"	5/16"	3/16"
3 1/2	18"	3/8"	1/4"
5 1/4	24"	7/16"	5/16"
8 1/2	30"	1/2"	3/8"
12 7/7	36"	9/16"	7/16"
17 1/8	42"	11/16"	1/2"
	lbs 2 3/4 3 1/2 5 1/4 8 1/2 12 7/7	lbs         Length           2 3/4         14"           3 1/2         18"           5 1/4         24"           8 1/2         30"           12 7/7         36"	Ibs         Length         Capacity*           2 3/4         14"         5/16"           3 1/2         18"         3/8"           5 1/4         24"         7/16"           8 1/2         30"         1/2"           12 7/7         36"         9/16"

Cutting Capacity\* - Soft, medium & hard materials (up to Brinell 300, Rockwell C31)

Cutting Capacity\*\* -Hard materials

(up tp Brinell 400, Rockwell C31)

## Aircraft Cable & Accessories

#### Galvanized **Aircraft Cable**

- Used where extreme strength and flexibility is desired
- Steel cable is made of 7 strands with 19 wires in each strand

• Available in 500' reels only



	Approximate
Diameter (in)	Breaking Stress (lbs)
1/32	185
1/16	480
1/8	1700
3/16	3700
1/4	7000

#### **Black Aircraft Cable**

- · Used where extreme strength and flexibility is desired
- Steel cable is made of 7 strands with 19 wires in each strand
- · Black in color

Cat #

HR5215132

HR5215116

HR521518

HR5215316

HR521514

• Available in 500' reels only



		Approximate
Cat #	Diameter (in)	Breaking Stress (lbs)
HR5214116	1/16	400
HR521418	1/8	1500
HR5214316	3/16	3200
HR521514	1/4	6000

#### **PVC Coated Cable**

• Clear coated - 250'/ reel

Cat. #	Cable Dia.	PVC Coat
HR5216116	1/16" - 7 x 7	1/8"
HR521618	1/8" - 7 x 19	3/16"
HR5216316	3/16" - 7 x 19	1/4"
HR521614	1/4" - 7 x 19	5/16"

#### **Nylon Coated Cable**

• Clear coated - 250'/ reel

Cat. #	Cable Dia.	Nylon Coat
HR5217116	1/16" - 7 x 7	1/8"
HR521718	1/8" - 7 x 19	3/16"
HR5217316	3/16" - 7 x 19	1/4"
HR521714	1/4" - 7 x 19	5/16"

#### **Nicopress Hand Tool**

• Used to press on a #H2058 Nicopress Sleeve

• Each size cable requires the proper tool size

Lacii size cat	Lacii size cabie requires the pr			
Cat #	For Size(s)			
H2059116	1/16" (only)			
H2059A	1/16" to 3/16"			
H205914	1/4"			
H205938	3/8"			

#### **Nicopress Bench Tool**

- Used to press on a #H2058 Nicopress Sleeve
- Very efficient on large jobs Cat # For Size(s) 1/16" to 3/16" H2059B



#### **Cable Cutters**

• The unique triangular jaw design of these cutters does not leave a frayed end.

#### #HRC7

- Capacity: up to 3/16" diameter
- Length: 8" Weight: 10 oz.

#### #HRC9

- Capacity: up to 1/4" diameter
- Length: 13" Weight: 1.5 lbs.

#### #HRC12

- Capacity: up to 3/8" diameter
- Length: 19" Weight: 3 1bs.

#### #HRC16

- Capacity: up to 5/8" diameter
- Length: 23" Weight: 5 lbs.

#### Nicopress Sleeves

- Used to form loops or thimble eyes on cables
- During destruction tests, the cable failed while the eye and sleeve remained intact
- · OSHA approved
- · Sold 100 per pack



#### Copper (expensive, Aluminum (economical)

but recommended for safety)				
Cat #	<u>Diameter</u>	Cat #	Diameter	
H2058C116	1/16"	H2058A116	1/16"	
H2058C18	1/8"	H2058A18	1/8"	
H2058C316	3/16"	H2058A316	3/16"	
H2058C14	1/4"	H2058A14	1/4"	
H2058C516	5/16"	H2058A516	5/16"	
H2058C38	3/8"	H2058A38	3/8"	

#### **Aluminum Stop Sleeve**

- Used as end stop on winches.
- Install with a Nicropress tool that is one size smaller

Cat #	Diameter	Cat #	Diameter
H2058SA18	1/8"	H2058SA516	5/16"
H2058SA316	3/16"	H2058SA38	3/8"
H2058SA14	1/4"		1

#### **Copper Stop Sleeve**

- Used as end stop on winches.
- Install with a Nicropress tool that is one size smaller

Cat #	Diameter	Cat #	Diameter
H2058SC18	1/8"	H2058SC516	5/16"
H2058SC316	3/16"	H2058SC38	3/8"
H2058SC14	1/4"		

#### Haven Grip #HT1604L

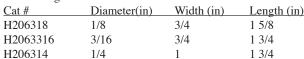
- Used to pull cable tight. Very handy.
- Made of forged steel with latch. Latch keeps grip from falling off cable.
- Cable capacity: 1/8" 1/2"



## Wire Rope Clips & Turnbuckles

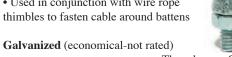
#### Flat Wire Rope Clamp

- Used to fasten the ends of small lines
- Adjusts easily with a small screwdriver
- Made of galvanized steel





• Used in conjunction with wire rope



		Thread	Overall	Center to
Cat #	Diameter	Diameter	Length	Center
H2062G116	1/16"	7/32"	7/8"	3/8"
H2062G18	1/8"	3/16"	1"	1/2"
H2062G316	3/16"	1/4"	1 1/16"	9/16"
H2062G14	1/4"	5/16"	1 1/2"	11/16"
H2062G516	5/16"	3/8"	1 11/16"	7/8"
H2062G38	3/8"	7/16"	2"	7/8"



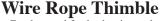
(expensive, but recommended for safety)

		Torque	Nut Drive	Minimum
Cat #	Diameter	Ft/lbs	Size	Clips
H2062DF18	1/8"	4.5	7/16"	2
H2062DF316	3/16"	7.5	1/2"	2
H2062DF14	1/4"	15	9/16"	2
H2062DF516	5/16"	30	11/16"	2
H2062DF38	3/8"	45	3/4"	3
H2062DF12	1/2"	65	7/8"	3

#### Fist Grip

- Clips cannot be installed incorrectly
- Drop Forged
- Minimum use: two for each loop

Cat. #	For Cable Size
H2246316	3/16", 1/4"
H2246516	5/16"
H224638	3/8"



• Can be used for both wire and manila rope

Cum ce asea ro.	COULT THE WING III	amma rope	
Cat #	Diameter(in)	Width (in)	Length (in)
H2061116	1/16	1/2	1
H206118	1/8	3/4	1 5/8
H2061316	3/16	3/4	1 3/4
H206114	1/4	1	1 3/4
H2061516	5/16	13/16	2 1/8
H206138	3/8	15/16	2 1/4
H206112	1/2	1 5/32	2 5/8
H206158	5/8	2 3/8	3 1/2
H206134	3/4	2 5/8	3 3/4
H20611	1	3 3/8	5 3/4

#### **Open Turnbuckles**

• Made of drop forged steel with a heavy galvanized coating

			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Hook and Eye	H330114	1/4"	4"	7 1/2" 500
	H3301516	5/16"	4 1/2"	8 1/2" 800
	H330138	3/8"	6"	11" 1,200
	H330112	1/2"	6"	11" 2,200
			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Hook and Hook	H330214	1/4"	4"	7 1/2" 500
~=-	H3302516	5/16"	4 1/2"	8 1/2" 800
	H330238	3/8"	6"	11" 1,200
	H330212	1/2"	6"	11" 2,200
			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Eye and Eye	H330314	1/4"	4"	7 1/2" 500
	H3303516	5/16"	4 1/2"	8 1/2" 800
	H330338	3/8"	6"	11" 1,200
	H330312	1/2"	6"	11" 2,200
			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Eye and Jaw	H330414	1/4"	4"	7 1/2" 500
0	H3304516	5/16"	4 1/2"	8 1/2" 800
	H330438	3/8"	6"	11" 1,200
	H330412	1/2"	6"	11" 2,200
			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Jaw and Jaw	H330514	1/4"	4"	7 1/2" 500
	H3305516	5/16"	4 1/2"	8 1/2" 800
-	H330538	3/8"	6"	11" 1,200
	H330512	1/2"	6"	11" 2,200

#### Eye & Eye Swivel

		Inside	
Cat #	Size	Length	W.L.L.
H367614	1/4"	3 1/4"	850
H3676516	5/16"	4 1/8"	1,250
H367638	3/8"	4 7/8"	2,250
H367612	1/2"	6 1/4"	3,600



Size	Length	W.L.L.
1/4"	3"	850
5/16"	3 3/4"	1,250
3/8"	4 3/4"	2,250
1/2"	6 1/4"	3,600
	Size 1/4" 5/16" 3/8"	1/4" 3" 5/16" 3 3/4" 3/8" 4 3/4"



• Eyes are the same size



• Jaw end has a removable pin

#### **Screw Pin Shackles**

• Made of weldless drop forged steel with a heavy galvanized coating

Cat #	Size	W.L.L.
H3290316	3/16"	1/3 Ton
H329014	1/4"	1/2 Ton
H3290516	5/16"	3/4 Ton
H329038	3/8"	1 ton
H329012	1/2"	2 Tons
H329058	5/8"	3 1/4 Tons
H329034	3/4"	4 3/4 Tons
H329078	7/8	6 1/2 Tons
H32901	1"	8 1/2 Tons



## Suspension Hardware

#### **Knife Thread Insert**

- Designed as a removable thread
- Will not crush wood fiber

		Threads
Cat #	Size	per Inch
H25373/16	3/16"	24
H25371/4	1/4"	20
H25373/8	3/8"	16



#### Eye Nut

(D)				
(1)1me	nsions	1n	inches)	
(				

Cat #	Bolt Size	I.D. Eye
H367914	1/4-20	3/4 x 7/8
H367938	3/8-16	7/8 X 1 1/4
H367912	1/2-13	1 1/4 X 1 1/2



#### Tee-Nut

• Puts steel thread into wood. Ideal for use with stove bolts, machine screws or threaded rod

		Threads
Cat #	Size	per Inch
H25383/16	3/16	24
H25381/4	1/4	20
H25385/16	5/16	18
H25383/8	3/8	16



#### Threaded Rod

• Wrought steel rod with a continuous thread

		Size	Threads
Cat #	Length	Wire	per Inch
H7713610	36"	10	24
H7717210	72"	10	24
H7713614	36"	1/4	20
H7717214	72"	1/4	20
H7713638	36"	3/8	16
H7717238	72"	3/8	16
H7713612	36"	1/2	13
H7717212	72"	1/2	13
H7713658	36"	5/8	11
H7717258	72"	5/8	11
H7713634	36"	3/4	10
H7717234	72"	3/4	10
H771361	36"	1	8
H771721	72"	1	8



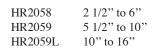
- Used for fastening a threaded rod to a ceiling
- Made of malleable iron

Cat #	Size
HR18538	3/8"
HR18512	1/2"



#### Adjustable **Beam Clamps**

	Made to		
Cat. #	Grip Flange		
HR2698	4" to 8"		
HR2798	5" to 9"		





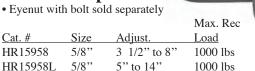
Picture represents HR2698 and HR2798



Picture represents HR2058 - HR2059L



#### Adjustable Rod Beam Clamp







- Created in our shop by our head rigger (who very often is McGiver like), this clamp allows you to fasten a pipe as close to the iron superstructure as possible, giving you the maximum amount of pipe height.
- · Adjustable Rod Beam Clamp joined to half pipe clamp
- Can handle 1 1/4" or 1 1/2" pipe

			Max. Rec
Cat. #	Size	Adjust.	Load
HR15958MC	5/8"	3 1/2" to 8"	1000 lbs
HR15958MCL	5/8"	5" to 14"	1000 lbs



## Beam Clamp

• Eyenut with bolt sold separately

			Maximum
		Flange	Recommended
Cat. #	Weight	Adjust.	Load
HRSBC1	8 lbs.	3" to 9"	1 ton
HRSBC2	10.5 lbs.	3" to 9"	2 ton



## Pipe Clamps

#### **Steel Batten Clamp**

	For Pipe
Cat #	Size
HR841	1"
HR84114	1 1/4"
HR84112	1 1/2"
HR842	2" (silver co



#### Ultimate Tensile

	Force	Safety	Working
Cat#	(lbs.)	Factor	Load Limit
HR84	6,149	8	750 lbs.
Failure Typ	e - Pipe Pullout	Pipe Size	e Tested- 1 1/4" & 1 1/2"

#### Steel Half Batten Clamp



#### Aluminum Adjustable Pipe Clamp #HR2019A



- This light weight pipe clamp enables you to attach two pieces of 1 1/2" or 2" pipe at any angle because it has a pin that makes the clamp rigid or swivel.
- No free pipe end needed.
- Fits on 2" truss.

#### Half Aluminum Pipe Clamp

#### #HR2019A1/2

- This light weight half pipe clamp with 1/2" flat head socket bolt.
- Excellent for mounting Unistrut track to truss.
- Comes with Nylock Nut.

# Cross Over Pipe Clamp

- Used to build quick, rigid structures
- Each pipe size plate is compatible with each other allowing you to attach a 1 1/4" pipe at a right angle to a 1 1/2" pipe.
- Uses 4 3/8" bolts grade 5 (supplied).

Cat #	For Pipe Size		
HR2019C112	1 1/2" to 1 1/2"		
HR2019C114	1 1/4" to 1 1/4"		

HR2019MX Mixed one of each 1 1/2" to 1 1/4"

## Adjustable Swivel Drop Forged Pipe Clamp

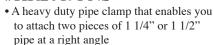
#HR2019F

- A heavy duty pipe clamp that enables you to attach two pieces of 1 1/4" or 1 1/2" pipe at any angle
- No free pipe end needed



Ultimate Tensile				
	Force	Safety	Working	
Cat#	(lbs.)	Factor	Load Limit	
HR2019F	16,934	8	2000 lbs.	
Failure Type - Pin Connector Hole				

#### Adjustable Rigid Drop Forged Pipe Clamp #HR2019FNS







Ultimate Tensile				
Fo	rce Sa	fety	Working	
Cat# (lb	s.) Fa	ctor	Load Limit	
HR2019FNS 17	,153	8	2125 lbs.	
Failure Type - Pin Connector Hole				

#### Adjustable Half Pipe Clamp

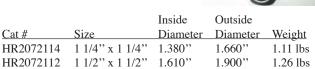
#HR2019F1/2

- Allows you to use a 1/2" bolt through the center of pipe ranging from 1 1/2" to 2"
- No free pipe end needed.
- Fits on 1 1/4 or 1 1/2" pipe

#### Rota-Lock Pipe Clamp

Used to build quick, rigid structures





# Ultimate Tensile Force Safety Working Cat# (lbs.) Factor Load Limit HR2072 31,073 10 3000 lbs.

Failure Type - Bend near weld

# Pipes & Pipe Sleeves

#### **Pipe End Safety Cap**

- Avoid brian damage with these handy thick vinyl end caps
- Makes the end of a pipe batten visible

<u>Cat. #</u>	Size
HRSC	1 1/2"



#### Trimming Chain

- Used to connect the pipe batten and hanging iron to the flat
- Height can be varied by removing or doubling up on chain links

Cat. #	Length	Description
HR206524	24"	Snap & Ring
HR206530	30"	Snap & Ring
HR206536	36"	Snap & Ring



#### **Pipe Batten**

- Standard black pipe length 21 feet long (can be sleeved together to make longer battens)
- Pipe is sold by inside pipe diameter...not outside.
   Understand this and you will always order the correct pipe size!
   Use pipe section below to help determine the outside diameter but use the inside diameter when ordering.

#### Schedule 40 - Standard Pipe Batten

	Inside Pipe	Outside Pipe	Wall	Weight
Cat #	Diameter	Diameter	Thickness	per foot
HBP1/2	1/2"	.840"	.109"	.8510
HBP3/4	3/4"	1.050"	.113"	1.131
HBP1	1"	1.315"	.133"	1.679
HBP11/4	1 1/4"	1.660"	.140"	2.273
HBP11/2	1 1/2"	1.900"	.145"	2.718
HBP2	2"	2.375	.154"	3.653

#### Schedule 80 - Heavy Duty Pipe Batten

	Inside Pipe	Outside Pipe	Wall	Weight
Cat #	Diameter	Diameter	Thickness	per foot
HBP8011/4	1 1/4"	1.660"	.191"	2.997
HBP8011/2	1 1/2"	1.900"	.200"	3.631

#### **Speed-Rail Pipe**

- Standard aluminum pipe length 20 feet long (can be sleeved together to make longer battens)
- Pipe is sold by inside pipe diameter...not outside.
  Understand this and you will always order the correct pipe size!
  Use pipe sections listed here to help determine the outside diameter but use the inside diameter when ordering.

#### Schedule 40 - Standard

	Inside Pipe	Outside Pipe	Wall	Weight
Cat #	Diameter	Diameter	Thickness	per foot
SRP34	3/4"	1.050"	.113"	1.131
SRP1	1"	1.315"	.133"	1.679
SRP11/4	1 1/4"	1.660"	.140"	2.273
SRP11/2	1 1/2"	1.900"	.145"	2.718
SRP2	2"	2.375	.154"	3.653

#### Schedule 80 - Heavy Duty

	Inside Pipe	Outside Pipe	Wall	Weight
Cat #	Diameter	Diameter	Thickness	per foot
SRP8011/4	1 1/4"	1.660"	.191"	2.997
SRP8011/2	1 1/2"	1.900"	.200"	3.631

#### **Pipe Batten Sleeves**





- Inside sleeve splice 18"
- Assemble pipe sections to achieve the desired batten length
- Pipe not included, must drill your own holes.

#### Inside Pipe

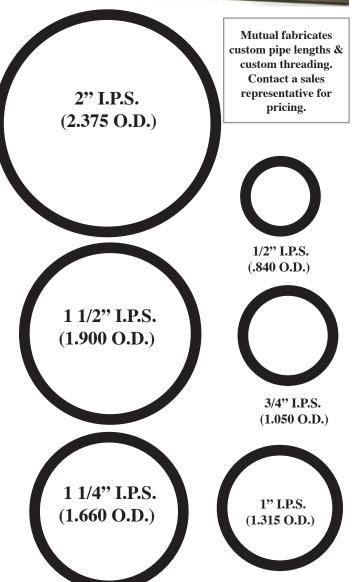
Diameter	Schedule
1 1/4"	40
1 1/2"	40
1 1/2"	80
	1 1/4" 1 1/2"

#### 12" Modern Pipe Sleeves

- Faster and stronger way to sleeve pipes together
- Contains 4 tightening set screws

Cat. #	Size
GPME010-2019	1"
GPME010-2024	1 1/4
GPME010-2030	1 1/2





# Curtain Machines & Curtain Track Selection \_

#### **Curtain Machines**

#### Hercules

- Designed for stage curtains
- Approx. 34" L x 28" W x 18" H
- Available in various voltages, cycles, and currents
- Allow 6-10 weeks

Cat. #	Model	<b>HP Motor</b>
CT650	650	3/4
CT700	700	1
CT800	800	1 1/2



#### **Autodrape**

- Designed for stage curtains
- Approx. 13" L x 14" W x 27" H
- Available in various voltages, cycles, and

Cat. #	Model	<b>HP Motor</b>	
CT934	934	1/4	
(straight curtain	in stock)		
CT2904	2904	1/2	
(curved curtain in stock)			



#### Silver Service

- Designed for stage curtains
- Approx. 13" L x 14" W x 27" H
- Available in various voltages, cycles, and currents
- · Manual crank available if motor fails

<u>Cat. #</u>	Mod
CTSS290290	1/2



#### **Tom Thumb**

- Compact controllers for opening and closing draperies in home, offices, funeral homes, etc.
- Approx. 13" L x 5 1/4" W x 10 1/2" H
- Other models available
- Allow 6-10 weeks

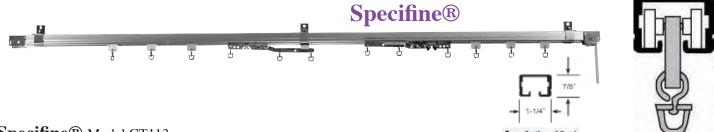
<u>Cat. #</u>	Model	<u>HP Motor</u>
CT872	872	1/30



#### **Curtain Track Selector Table**

To all	M- J-1	Maximum	Approximate Max. Curtain	Maximum Spa Between Attac		Approx. Curtain Stack. Space	Approx. Shipping	Average
Track Series	Model No.	Track Length	Weight Per Single Carrier (lbs.)	Direct Track To Ceiling	Track Suspension	Per Ft. Track	Weight Per Ft. (CWANA)	Track Length
113 Specifine	113	20'	2	12"	4'	3.2"	1	20'
130	132	60'	5	5'	4'	1.4"	1	40'
Flex-I-Track	132-B	60'	10	5'	4'	1.4"	1	40'
140 Rig-I-Flex	140 141, 141-R,	Any Length	15	5'	4'	1.8"	2	50'
Kig-1-11cx	141, 141-K, 140-R	Any Length	15	5'	4'	1.8"	2	50'
	142, 142-R	Any Length	15	5'	4'	1.8"	2	50'
170	170	36'	10	18"	6'	1.5"	2 1/2	30'
Besteel	171-N	45'	13	18"	6'	1.5"	2 1/2	30'
	171-R	45'	15	18"	6'	2"	2 1/2	30'
	172	36'	10	18"	6'	1/5"	2 1/2	30'
280	280	Any Length	25	2'	7'	2.4"	4 1/2	40'
Silent	281	Any Length	35	2'	7'	2.4"	4 1/2	40'
Steel	282	Any Length	25	2'	7'	2.4"	4 1/2	40'

HOW TO ORDER STAGE CURTAIN TRACK: Assume the proscenium opening of 20', the height from track to floor is 12', and you are hanging a medium weight curtain. Add 10% for lapping at the center for double-sectioned track. Add 10% for accommodating curtain when stacked at each track end. (Total - 30%) Order: 1-26' No. 170 track in two 13' sections for hand (or machine) operation 12' high, CWANA (Note CWANA means "Complete With All Necessary Accessories.)



## **Specifine**® Model CT113

- An aluminum box-shaped drapery track especially designed to meet architectural specifications for straight transverses, such as long classroom, residential windows, and for high windows in school multi-purpose rooms, cafeterias, churches, hotels, and banks
- Track can be recessed, surface mounted, or suspended from the ceiling
- Cord is concealed within track channel
- The carriers, constructed of two noiseless wheels rolling on two parallel treads, move effortlessly through the track channel without the possibility of the carrier block binding against the channel and causing friction.



#### Channel #CT1100

- Available in unspliced lengths up to 20'
- Dovetail design on exterior of channel allows plaster to seep into slot

# **Single Carrier**

#CT1131

- Carrier spacing 6", carrier width 13/16"
- Block supported by 2 plastic wheels
- · Plated swivel for free, effortless and quiet curtain movement

# **AV Carrier**

#CT1163AV

· Snap allows hanging and travel of light weight projection screen



## **Splicing Clamp** #CT1124

· Sleeve for joining and extending track sections assuring proper alignment of track channels

#### **Master Carrier** #CT1132

- Two needed per job
- Composed of 4 plastic wheels
- Adjustable extension arm provides 8" maximum overlap

**Tension Floor Pulley** 

• Equipped with one nylon ball bearing

• Dimensions: 1" long, 3/4" wide, 7" high

• Tension spring provides tautness

• Carrier width - app. 8 3/4"

#CT1135

wheel

# **Live End Pulley**

# #CT1133

- Equipped with two nylon wheels with ball bearing
- · Can be inserted into track end and functions as track stop
- Pulley width- app. 2 1/4", extends 1 1/2" beyond track end



beyond track end

**Dead End Pulley** 

#CT1134

ball bearing

Cable

• Equipped with one nylon wheel with

• Same type black as Live End Pulley

• Pulley width- app. 2 1/4", extends 1 1/2"

#### #CT1151

- · For machine operated tracks
- Wire center
- No. 4 (1/8" diameter unglazed)



# Cord

#CT1150

- For manually operated tracks
- Fiberglass center and stretch resistant
- No. 4 (1/8" diameter)



# **Hanging Clamp**

#### #CT1138

- Adjustable to any location
- · Chain or cable suggested for track suspension
- Recommended spacing 4'



# **Projection Bracket**

#### #CT2163

• For attachment to ceiling and/or wall

# **Adjustable Dead End Pulley**

#### #CT1164

- Designed for one-way or bi-parting operation on multiple
- Equipped with 1 nylon wheel with ball bearing
- Can be anchored to any position under track without drilling
- Pulley width: app. 31/32"

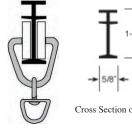


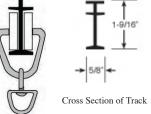




## Flex-I-Trac ® Model CT132, CT132-B, CT132-C

- A light-to-medium duty cyclorama I-beam type track designed for medium weight stage and TV studio curtains, and for enclosing industrial welding booths.
- Designed for "walk-along" operation only with no cord, pulleys or master carriers furnished. Track channel is curved on the job to virtually any degree or radius.
- For optimal track operation, the track channel should be solidly anchored to the ceiling with use of ceiling clamps.
- Model 132-B and 132-C are identical to Model 132 except that ball-bearing carriers are used, and master carriers are supplied with Model 132-C.
- When ordering, advise whether the track is to be ceiling-mounted or suspended.





#### Channel

#### #CT1300

- 14 gauge extruded aluminum, mill-finish
- Obtainable in unspliced lengths up to 20'
- Curved on the job to virtually any degree or radius
- Flange above carrier prevents tilting or climbing of
- App. 1 11/16" high x 5/8" wide

# Single Carrier #CT1301

- Constructed of rigid wire form supported from 2 nylon wheels
- Plated swivel for free, effortless curtain movement
- Carrier width: app. 1"

# Single Carrier #CT1301A

- Constructed of steel supported from 2 self-lubricating nylon wheels
- Plated swivel for free, effortless curtain movement
- Carrier width: app. 1 1/8"

# **Hanging Clamp**

# #CT1308

- Adjustable to any location
- Pipe and pipe clamps recommended for most rigid bracing
- Pipe batten recommended for suspended curved tracks
- Recommended spacing: 4'(also at splices and on curves)



• Prevents carriers from moving beyond selected position in track

## **Splicing Clamp** #CT1324

- For both ceiling and suspended installations
- · Sleeve for joining and extending track sections assuring proper alignment of track
- Dimensions: 6" long, 7/8" wide x 5/8" high

# **Bending Tool** #CT1435

- For accurate bending of channel.
- Designed for screw fastening on the floor for on-the-job curving

# **Ceiling Clamp**



- For use on ceiling plate installations
- Adjustable to any location
- Top plate is mounted first and then channel is installed
- Recommended spacing: 5' (also on curves)

#### SPECIFIC FOR MODEL 132-B

## **Nylon Ball Bearing Single Carrier**

#### #CT1337

- Two wheels constructed of nylon with ball bearings provides longer serviceability and greater maximum curtain weight
- Plated swivel for free, effortless curtain movement
- Carrier width: app. 1"; carrier spacing: 12"

# **Nylon Ball-Bearing Single** Carrier



- Block constructed of steel supported from 2 nylon wheels with ball bearing
- Plated swivel for free, effortless curtain movement
- Carrier width: app. 1 1/8"; carrier spacing: 12"



# **Master Carrier**

#### #CT1352

- Composed of 4 nylon wheels with ball bearing
- Two per job
- Carrier width: app. 3 3/4"







www.mutualhardware.com

## Rig-I-Flex ® Model CT140, CT140-R, CT141, CT141-R, CT142, CT142-R

- A versatile I-beam track which has been engineered for both curved (Model 140) and straight (Model 141) tracks. It was specially designed for heavy duty stage and TV studios and for enclosing areas in industrial plants.
- Model 140 utilizes spindles and idler brackets for guiding the operating cord along curved areas. The track channel is curved on-the-job to a suggested minimum radius of 2 feet. This traveler can not be used for reverse curving or serpentine layouts. Note: this track may not operate as quietly as Patriarc and Curvit-Sure Tracks.
- Models 140-R, 141-R, and 142-R are identical to Models 140, 141, and, 142 except that the carriers consist of nylon wheels without ballbearings which permit quieter track operation and they are more economically priced. Models 140-R and 141-R use CT1438 single carriers and CT1438 and CT1451 Master Carriers (instead of CT4201, CT1402, and CT1450, which are used by Models 140-R, 141-R, and 142-R respectively).
- Model 141 is a double-sectioned track identical to Model 140 except that Model 141 is entirely straight from live end pulley to dead end pulley.
- Model 142 is recommended for stage and TV studio cyclorama installations where it is necessary that the operator walk the curtain to its opened and closed positions. Channel is curved on-the-job and can be bent to a 6" radius. No cord or pulleys are supplied with "walk along" tracks. CT4252 Master Carriers used.
- When ordering, advise whether the track is to be ceiling-mounted or suspended. We would also appreciate a sketch or template for each Model 140 curved track order so that we can determine the required number of Spindles and Idler Brackets.



# Channel

#### #CT1400

- 11 gauge extruded aluminum, mill-finish
- Obtainable in unspliced lengths up to 20'
- Must be curved on-the-job to recommended minimum radius of 2'
- Flange above carrier prevents tilting or climbing of the carrier
- Approximately 2 1/2" high x 1" wide



## **Master Carrier** #CT1402

- Used with Model 140 tracks, two per job
- Constructed of two #CT4201 Single Carriers swivel mounted to steel block with two connectors for clamping cord to carrier
- Carrier width: app. 3 3/4"



## Single Carrier #CT4201

- Block constructed of steel supported from 2 nylon wheel with ball bearing (nylon insert as a noise reducer)
- Swivel plated for free, effortless curtain movement
- Two #CT4225 Rubber Bumpers available for each carrier to function as noise reducers
- Carrier Width: app 1 3/8"

# **Live End Pulley**

#### #CT1403

- Equipped with 2 oil impregnated sleeve bearing steel wheels
- · Anchored solidly against track end
- Pulley width: app. 7"



# **Dead End Pulley**

#### #CT1404

- Equipped with 1 oil impregnated sleeve bearing steel wheels
- · Anchored solidly against track end
- Pulley width: app. 5 1/4"



## **Tension Floor Pulley** #CT2865

- Equipped with 1 oil impregnated sleeve bearing steel wheel
- Tension spring provides cord tautness
- Can be either wall or floor mounted
- Spring-loaded latch maintains wheel in uppermost position during cording
- 1 1/2" long x 3 1/2" wide x 13" high

## **End Stop**

#### #CT1409 for Model CT141

- Prevents carriers from moving beyond selected position in track
- · Used also as cord guide
- End stop width: app. 1 3/8'



## Lap Clamp #CT1407

• For attaching double sectioned track at center overlap

#### Lap Clamp-A #CT1407A

• Wider than #CT1407 and for continuous radius job

#### **Hanging Clamp**

#### #CT4208

- Attach to pipe with pipe clamps for most rigid bracing
- · Adjustable to any location
- Recommended spacing: 4' (also at splices and on curves)



# **Master Carrier**

- #CT4252
- Used with Model 142 track, two per job
- Block constructed of steel supported from 4 nylon wheels with ball bearing



# **Bending Tool**

#### #CT1435

- For accurate bending of the channel
- Designed for screw fastening on floor for on-the-job-curving



# **Professional Bending Tool**

- #CT1440
- For accurate bending of the channel
- Costs more then the #CT1435 but worth it. No need to screw to floor. Totally portable and easy to use. A must for any serious track installer.

# **Rig-I-Flex** ®

# Cord #CT1728

- For manually operated tracks
- Fiberglass center and stretch resistant
- No. 8 (1/4" diameter)



- Wire center with woven nylon cover
- For machine operated tracks
- No. 6 (3/16" diameter)



# Single Carrier

#CT4237

- Same as #CT4201 except block constructed of steel supported on 2 nylon wheels
- Used on Models 140-R, 141-R, and 142-R



### **Hanging Splicing Clamp** #CT4224

- · Lock plate for joining and extending track sections assuring proper vertical and horizontal track alignment
- 8" long x 1" wide



# #CT1459

• Same as #CT1458 but without ball bearing wheel and it is always placed on dead end pulley track section on inside of curve



# **Ceiling Clamp**

- #CT1423
- For use on ceiling mounted installations
- Adjustable to any location
- Top plate is mounted first, then channel is installed
- Recommended spacing: 5'



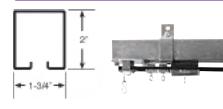
# #CT1458

- · Consists of steel tubing including 2 ball bearings for guiding cord around curves
- · Also has ball bearing wheel for guiding return cord
- Always placed on live end pulley track section on inside of curve
- Minimum pocket width to accommodate spindles and idlers: app. 16"



# **Idler Bracket**

- Bracket includes ball bearing wheel for guiding cord around curve
- Always placed on dead end pulley track section on out side of curve
- Minimum pocket width to accommodate spindles and idlers: app. 16"



#### **Besteel** ® Model CT170, CT171-N, CT171-R, CT172

- This steel fireproof unit is used on the majority of stage installations with medium or light weight curtains on lengths up to approximately 36'.
- On slightly heavier installations, Models 171-N or 171-R can be used. These tracks are identical to Model 170 except nylon or neoprene wheel with ball bearing carriers are supplied.
- Model 172 is used where a heavier operating cord (5/16" diameter) is desirable.



#### Channel #CT1700

- 14 gauge galvanized steel
- Available in unspliced lengths up to 30'
- Holes can be drilled for direct ceiling attachment
- App. 2" x 2"



#### **Live End Pulley** #CT1703

- Steel block of underhanging type anchorable to any position under track without drilling
- Equipped with 2 oil-impregnated sleeve bearing steel wheels
- Pulley width: app. 3"



# **Dead End Pulley**

duty plastic wheels

(including 2 masters)

#CT1704

#CT1701

- Same type block as Live End Pulley
- Equipped with 1 oil impregnated sleeve bearing steel wheel

· Block constructed of plated steel with 2 heavy

• Plated swivel for free, effortless curtain movement

• Pulley width: app. 3"



# **Scenery Carrier**

#CT1740

- Composed of 4 heavy duty wheels with a plate
- Two per job
- Carrier width: app 3"

## **Master Carrier** #CT1702

- Composed of 4 heavy duty plastic wheels and 2 connectors
- Two per job
- Carrier width: app 3"



## **Master Carrier**

#CT2602

- · Composed of 4 heavy duty plastic wheels and 2 connectors
- Two per job

## **Adjustable Floor Pulley** #CT2805

- Adjustable up to 9"
- Equipped with 1 oil
- impregnated sleeve bearing steel wheel
- 3 1/4" long x 5" wide x 13" high

# #CT1724

## **Floor Pulley** #CT1706

• Non-adjustable type with 1 oil impregnated sleeve-bearing steel wheel

#### Lap Clamp #CT1707

• For attaching double sectioned track to center over lap



- Two piece 11 gauge clamps for joining and extending track sections assuring proper alignment of track channels
- 12" long x 2" wide x 3 3/4" high

# **Hanging Clamp** #CT1708

- · Adjustable to any location on track
- Chain or cable suggested for track suspension
- Recommended spacing: 6'

# Cord #CT1728

- For manually operated tracks
- Fiberglass center and stretch-resistant
- No. 8 (1/4" diameter)



- · Prevents carriers from moving beyond selected position in track
- · Horizontally attached bolt should be used on both hand and motor operated tracks









#### Cable

#### #CT1729

- For Back-Pack tracks
- Cotton covered, wire center
- No. 6 (3/16" diameter)

#### Cable

#### #CT3529

- For machine operated tracks
- Wire center for woven nylon cover
- No. 6 (3/16" diameter)
- FOB: Factory



#### **Back-Pack Guide**

#### #CT1733

- Provides sliding door effect
- Prevents curtain from accumulating in gathers until track ends are reached
- #8 1/4" line
- 1/8" thickness of stack

#### **Back-Pack Guide**

#### #CT1734

- For machine operated tracks
- Same as #CT1733 but has smaller hole
- #6 3/16" line
- 1/8" thickness of stack

#### **Back-Pack Guide**

#### #CT1735

- For machine operated tracks
- Same as #CT1733 but has larger hole
- #10 5/16" line
- 1/8" thickness of stack

## **Space Saver**

#### #CT1748

- For reducing curtain stacking area, used in place of carrier
- Recommended spacing: no more than 1 between two carriers at end pulley area only
- 1/8" thickness

#### **Besteel** ®



#### Curve

• Comes with two 1724 splice clamps

		*
Cat #	Description	Size
CT1752	90°, 24" radius;	9 lbs; 62" long (app. 3' x 3')
CT1753	75°, 24" radius;	8 lbs; 57" long (app. 2'8" x 2'8")
CT1754	60°, 24" radius;	7 lbs; 51" long (app. 2'3" x 2'3")
CT1755	45°, 24" radius;	6 lbs; 44" long (app. 2' x 2')

# **Tension Floor Pulley**

#### #CT2865

- Equipped with 1 oil impregnated sleeve bearing steel wheel
- Tension spring provides cord tautness
- Can be either wall or floor mounted
- Spring loaded latch maintains wheel in uppermost position during cording
- 1 1/2" long x 3 1/2" wide x 13" high



#### **Sliding Door Carriers**

#### #CT1751 - Steel Wheels

- Supports up to 150 lbs.
- Adjustable design permits leveling of door height

### **Sliding Door Carriers**

#### #CT1751N - Nylon Wheels

- Supports up to 100 lbs.
- Adjustable design permits leveling of door height
- Not in stock



#### **SPECIFIC FOR MODEL 171-N**

#### **Nylon Ball Bearing Single Carrier** #CT1737

• 2 wheels constructed of nylon with ball bearings providing longer serviceability and greater maximum curtain weight



# **Nylon Ball Bearing Master Carrier**

#CT1738

- Lead carrier for 171-N
- Supplied with two rope locks



#### SPECIFIC FOR MODEL 171-R

## **Nylon Ball-Bearing Single Carrier** #CT1749

- 2 wheels constructed of neoprene with ball bearings providing longer serviceability, quieter operation, and greater maximum curtain
- #CT1726 Rubber Spacer must be inserted



## **Neoprene Ball Bearing Master Carrier**

#CT1750

- Lead carrier for 171-R
- Supplied with two rope locks





#### **Silent Steel** ® Model 280, 281, 282

- This steel fireproof unit is used on the majority of stage installations using heavy weight curtains of any length and is particularly quiet in operation.
- Models 281 & 282 are for use with particularly heavy curtains. They are essentially identical to Model 280 except neoprene wheels with ball bearing carriers are supplied with Model 281, while large diameter floor end pulleys and heavy duty nylon wheels with ball bearing carriers are

furnished with Model 282. The Model 282 cannot be curved.



#### Channel

#### #CT2800

- 14 gauge galvanized steel
- Available in unspliced lengths up to 20'
- Holes can be drilled for direct ceiling attachment
- App. 3" x 3"

#### **Master Carrier**

#### #CT2802

- Block constructed of plated steel supported from 2 ball bearings with 4 heavy duty plastic wheels and 2 cable clips which clamp cord to carrier
- Carrier width: app 3 1/2"
- Length from top of the carrier to bottom of 5 chain links: 10 1/2"

## **Dead End Pulley** #CT2804

- Same type block as Live End
- Equipped with 1 oil impregnated sleeve bearing steel wheel
- Pulley width: app 4"

# 5" Dead End Pulley

#### #CT2864

- Equipped with one 5" glass filled nylon ball bearing wheel
- · Anchored solidly at track end
- Has less friction then 4" version

# Floor Pulley #CT2806

• Non-adjustable type with 1 oil impregnated sleeve-bearing steel wheel

#### Lap Clamp #CT2807

• For attaching double-sectioned track at center overlap

# Single Carrier

#### #CT2801

- Block constructed of fireproof plastic material supported from ball bearing with 2 heavy duty plastic wheels
- · Plated swivel for free, effortless curtain
- Heavy chain supplied for curtain trimming
- Combined curtain and carrier width: app 2"
- Length from top of the carrier to bottom of the 5 chain links: 10 1/2"

#### **Live End Pulley**

#### #CT2803

- Steel block of underhanging type—anchorable to any position under track without drilling
- Equipped with 2 oil-impregnated sleevebearing steel wheels
- Pulley width: app 4"

## 5" Live End Pulley

#### #CT2863

- · Equipped with one 5" glass filled nylon ball bearing wheel
- · Anchored solidly at track end
- Has less friction then 4" version

# **Hanging Clamp**

#### #CT2808

- Adjustable to any location
- Chain or cable suggested for track suspension
- Turnbuckles and/or pipe clamps recommended for long and heavy curtain installations
- · Recommended spacing: 7 ft.

# **Splicing Clamp**

#### #CT2824

- Two piece 11 gauge clamps for joining and extending track sections assuring proper alignment of track channels
- 12" long x 2 3/4" wide x 5 1/2" high









### Silent Steel ®

#### Adjustable Floor Pulley #CT2805

- Adjustable up to 9"
- Equipped with 1 oil impregnated sleeve bearing steel wheel
- 3 1/4" long x 5" wide x 13" high





• Equipped with one 5" glass filled nylon ball bearing wheel



**Tension Floor Pulley** 

#CT2865

- Equipped with 1 oil impregnated sleeve bearing steel wheel
- Tension spring provides cord tautness
- · Can be either floor or wall mounted
- Spring loaded latch maintains wheel in uppermost position during cording
- 1 1/2" long x 3 1/2" wide x 13" high



## **Nylon Ball Bearing Single Carrier** #CT2851

- Block constructed of plated steel
- 2 wheels include nylon wheels with ball bearings capable of supporting up to 50 lbs. per carrier providing longer serviceability and easier pull

## **Nylon Ball Bearing Master Carrier**

#CT2852

• Same as CT2851 except with 4 wheels

#### Cord

#CT2828

- For manually operated tracks
- Fiberglass center and stretch resistant
- No. 12 (3/4" diameter)



# Cable

#CT3529

- For machine-operated tracks
- Wire center with woven nylon cover
- No. 6 (3/16" diameter)

### **End Stop**

#CT2809

- Prevents carriers from moving beyond selected position in track
- Horizontally attached bolt should be used on both hand and motor-operated tracks



#CT2825

- For attachment to each #CT2801 Single Carrier to reduce noise.
- · Not used with Back-Pack carrier nor with #CT2840, #CT2850, #CT2851, #CT2852



## Rubber Spacer

#CT2826

- · For use with Back-Pack Carriers to induce quieter traverse
- Insert between carrier and Back Pack Guide
- Size: 1/8"



### Rubber Spacer-A

#CT2826-A

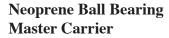
- For use with Back-Pack Carriers to induce quieter traverse
- Insert on other side of Back-Pack Guide (see Rubber Spacer) and between Master Carrier and adjoining Single Carrier
- Also used with #CT2849, CT2850, CT2851, and CT2852 carriers
- Size: 5/16"

#### SPECIFIC FOR MODEL 281

# **Neoprene Ball Bearing Single Carrier**

#CT2849

- Block constructed of fireproof plastic material supported from 2 neoprene wheel with ball bearing wheels capable of supporting up to 30 lbs. per carrier providing longer serviceability and easier
- #CT2826-A Rubber Spacer must be inserted between each carrier



#CT2850

• Same as CT2849 except with steel block and 4 wheels

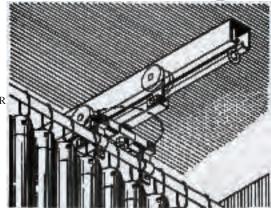


# Rotodrapers

### **Rotodraper** ® Pivot Arms

- Pivotal fixtures are used for changing the position of curtains on tormentors, side legs, back-drops, and cycloramas. The effect is easily accomplished either by turning the curtain itself or by fastening a towline to the pipe or track and swinging it to the desired position.
- It can be manipulated to any desired angle (including a full 360° swing). The "A" series (Models CT28-A, CT17-A, CT14-A, and CT6-A) include an index plate and spring loaded roller latch which provide a locking device to prevent a drifting rotation of the ROTODRAPER
- With use of a special brake, the ROTODRAPER can be anchored to a desired location, thus preventing any movement along the track channel. The brake can be released and the pivot arm moved by simply pulling down on a cord. The brake is available as an extra accessory.
- Dimensions: 13" long x 2 1/4" wide x 9 3/8" high (for standard units)

13" long x 4" wide x 10" high (for "A" units with locking device)



#### #CT17 Rotodraper

- For hanging from the 170 Series Tracks (Besteel)
- Can support 75 lbs maximum weight up to 10' long
- Composed of large diameter heavy duty plastic which prevents climbing and tilting in track channel
- Brackets formed of 11 gauge steel

#### **#CT17-A Rotodraper**

 Same as #CT17 except the #CT17A includes an index plate and spring loaded roller latch which provide a locking device to prevent a drifting rotation

#### **#CT28 Rotodraper**

- For hanging from 280 Series Tracks (Silent Steel)
- Can support 75 lbs maximum weight up to 10' long
- Composed of large diameter heavy duty plastic which prevents climbing and tilting in track channel
- Brackets formed of 11 gauge steel
- Two C Clamps supplied

#### **#CT28-A Rotodraper**

 Same as #CT28 except the #CT28A includes pin locking device which provides exact settings with lock-in points spaced every 15 degrees

#### **Optional Accessory**

#### Self-Locking Brake

 Available upon special request as an extra accessory #CT401 for #28 Rotodraper #CT402 for all other Rotodraper

#### #CT14 Rotodraper

- For hanging from CT140 Series Tracks (Rig-I-Flex)
- Can support 75 lbs maximum weight up to 10' long
- Brackets formed of 11 gauge steel
- Two C Clamps supplied

#### **#CT14-A Rotodraper**

• Same as #CT14 except the #CT14A includes an index plate and spring loaded roller latch which provide a locking

#### #CT6 Rotodraper

- For hanging from pipe with use of U-bolts
- Can support 100 lbs maximum weight up to 10' long
- Brackets formed of 11 gauge steel
- Two C-Clamps supplied

#### **#CT6-A Rotodraper**

• Same as #CT6 except the #CT14A includes an index plate and spring loaded roller latch which provide a locking device to prevent a drifting rotation

#### **Rotodraper features:**

#### **Tension Spring**

- Composed of 1 3/32" O.D. heavy duty compression spring eliminating need for locking device
- Provides necessary friction to assure well anchored curtain

#### Pipe Clamps

- Furnished with each Rotodraper to accommodate 1" pipe
- $\bullet$  1 1/4", 1 1/2" and 2" pipe clamps also available except with #CT14 Rotodraper

# **Special Hanging Brackets**

- Ceiling and wall brackets are used where it is impractical to support tracks in usual manner from chain or cable
- Each tpe is attached to track hanging clamps
- Constructed of high gauge steel

Style #21
Wall Bracket

Description Size

CT2823	Ceiling Bracket	5-1/4" long, 2" wide, 2-3/4" high
CT2822	Wall Bracket	1-3/4" long, 2" wide, 5-5/8" high
CT2821	Wall Bracket	4-1/2" long, 2" wide, 5-3/8" high
CT1721	Wall Bracket	3-7/8" long, 1-1/2" wide, 4-1/2" high
CT1722	Wall Bracket	1-7/8" long, 1-1/4" wide, 4-1/2" high



Style #22 Wall Bracket

Style #23 Ceiling Bracket

Cat #

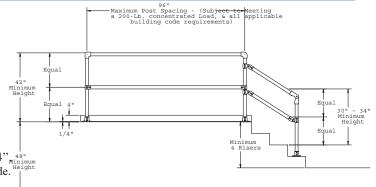
# Speedrail =

# **Hollaender Speed-Rail**

- Slip on installation with self-locking set screws
- Quick and easy to install no threading, welding, nuts, bolts or washers
- Special aluminum magnesium alloy
- Cadmium-plated steel alloy screws
- 100% salvageable, if desired for future use

#### Building with Speed-Rail

- 1- Design your job needs
- 2- Select proper fittings for the job
- 3- Figure out the size fitting you will need. Most fittings are available in 3/4" 48" winimum 22.5 select proper fitting you will need. Most fittings are available in 3/4" 48" winimum 22.5 select proper fitting you will need. Most fittings are available in 3/4" 48" winimum 22.5 select proper fitting you will need. Most fittings are available in 3/4" 48" winimum 22.5 select proper fitting you will need. 1", 1-1/4", 1-1/2' in standard I.P.S. sizes. See page 33 for a pipe size guide.
- VERY IMPORTANT!! The inside diameter of the fitting is the outside diameter of the pipe





#### **Set Screw**

Cat. #	Size
SR80T38	Tool-3/8
ST80T516	Tool-5/16
SR80S38	3/8-16x7/16"
SR80S516	5/16-18x6/16"



No. 2S

Cat. # **IPS Size** SR2S114 1-1/4" SR2S112 1-1/2"



No. 3

110.0	
Cat. #	IPS Size
SR334	3/4"
SR31	1"
SR3114	1-1/4"
SR3112	1-1/2"
SR32	2"



No. 3AE

Cat. # IPS Size SR3AE114 1-1/4" SR3AE112 1-1/2"



No. 5

Cat. #	IPS Size
SR534	3/4"
SR51	1"
SR5114	1-1/4"
SR5112	1-1/2"
SR52	2"



No. 5AT

Cat. #	IPS Size
SR5AT34	3/4"
SR5AT1	1"
SR5AT114	1-1/4"



No. 5E

110. 51	
Cat. #	IPS Size
SR5E34	3/4"
SR5E1	1"
SR5E114	1-1/4"
SR5E112	1-1/2"



No. 6

Cat. # IPS Size SR6114 1-1/4" SR6112 1-1/2"



NO. /	
Cat. #	IPS Size
SR734	3/4"
SR71	1"
SR7114	1-1/4"
SR7112	1-1/2"
SR72	2"



No. 7E

Cat. #	IPS Size
SR7E34	3/4"
SR7E1	1"
SR7E114	1-1/4"
SR7E112	1-1/2"



No. 7S

IPS Size Cat. # SR7S112 1-1/2"



No. 9

110. 7	
Cat. #	IPS Size
SR934	3/4"
SR91	1"
SR9114	1-1/4"
SR9112	1-1/2"
SR92	2"



No. 10

Cat. #	IPS Size
SR1034	3/4"
SR101	1"
SR10114	1-1/4"
SR10112	1-1/2"
SR102	2"
SR1034X1	3/4" X 1"
SR101X114	1" X 1-1/4"



No. 11

110. 11	
Cat. #	IPS Size
SR1134	3/4"
SR111	1"
SR11114	1-1/4"
SR11112	1-1/2"
SR112	2"



No. 11E

Cat. #	IPS Size
SR11E34	3/4"
SR11E1	1"
SR11E114	1-1/4"
SR11E112	1-1/2"

# Speedrail



No. 12 Cat. # IPS Size SR1234 3/4" 1" SR121 SR12114 1-1/4" SR12112 1-1/2"



No. 16 Cat. # SR16114 1-1/4"



No. 13 Cat. # **IPS Size** 3/4" SR1334 1" SR131 1-1/4" SR13114 1-1/2" SR13112



No. 13E Cat. # IPS Size SR13E114 1-1/4" SR13E112 1-1/2"



No. 14S Cat. # **IPS Size** SR14S1 1" SR14S114 1-1/4" SR14S112 1-1/2"



No. 15 Cat. # **IPS Size** SR15114 1-1/4"



IPS Size 1-1/2" SR16112



No. 17 Cat. # **IPS Size** 3/4" SR1734 SR17114 1-1/4" 1-1/2" SR17112 2" SR172



No. 17A Cat. # **IPS Size** SR17A34 3/4" SR17A1 1" SR17A114 1-1/4" SR17A112 1-1/2"



No. 17EM & 17 M **IPS Size** Cat. # SR17EM34 3/4" 1" SR17M1 SR17EM114 1-1/4" SR17EM112 1-1/2"



**No. 17EMO** Cat. # IPS Size SR17EMO112 1-1/2"



**No. 17SM IPS Size** <u>Cat. #</u> SR17SM112 1-1/2"



No. 17S Cat. # **IPS Size** SR17S112 1-1/2"



No. 18S IPS Size Cat. # SR18S112 1-1/2"



No. 19 Cat. # **IPS Size** 3/4" SR1934 1" SR191 1-1/4" SR19114 1-1/2" SR19112 SR192 2"



No. 19M Cat. # **IPS Size** SR19M34 3/4" 1" SR19M1 1-1/4" SR19M114 1-1/2" SR19M112 2" SR19M2



No. 20 Cat. # **IPS Size** SR2034 3/4" 1" SR201 1-1/4" SR20114 1-1/2" SR20112 SR202



No. 21/35 Cat. # IPS Size SR213534 3/4" 1" SR21351 1-1/4" SR2135114 1-1/2" SR2135112 2" SR21352



No. 21/45 IPS Size Cat. # SR214534 3/4" 1" SR21451 1-1/4" SR2145114 1-1/2" SR2145112



No. 22S Cat. # **IPS Size** SR22S114 1-1/4" 1-1/2" SR22S112



No. 23 IPS Size Cat. # SR2334 3/4" 1" SR231 1-1/4" SR23114 SR23112 1-1/2"

# Speedrail =



No. 23S Cat. # **IPS Size** SR23S112 1-1/2"



No. 25 <u>Cat. #</u> IPS Size SR2534 3/4" 1" SR251 1-1/4" SR25114 SR25112 1-1/2"



No. 25M **IPS Size** Cat. # SR25M34 3/4" 1" SR25M1 SR25M114 1-1/4" 1-1/2" SR25M112



No. 27 Cat. # IPS Size SR2734 3/4" 1" SR271 SR27114 1-1/4" SR27112 1-1/2"



No. 27M Cat. # **IPS Size** SR27M34 3/4" 1" SR27M1 1-1/4" SR27M114 1-1/2" SR27M112



No. 28S Cat. # **IPS Size** 1-1/4" SR28S114 1-1/2" SR28S112



No. 30 IPS Size Cat. # SR3034 3/4" 1" SR301 1-1/4" SR30114 1-1/2" SR30112 SR302 2"



No. 30 A IPS Size Cat. # 3/4" SR30A34 1" SR30A1 1-1/4" SR30A114 1-1/2" SR30A112 SR30A2 2"



No. 30 B IPS Size Cat. # SR30B34 3/4" SR30B1 1" SR30B114 1-1/4" SR30B112 1-1/2" 2" SR30B2



No. 30 C **IPS Size** Cat. # SR30C34 3/4" 1" SR30C1 1-1/4" SR30C114 1-1/2" SR30C112 SR30C2 2"



No. 31 Cat. # **IPS Size** SR31112 1-1/2"



No. 40 Cat. # IPS Size SR4034 3/4" 1" SR401 1-1/4" SR40114 1-1/2" SR40112 2" SR402



No. 41 Cat. # **IPS Size** SR4134 3/4" 1" SR411 SR41114 1-1/4" SR41112 1-1/2"



No. 42 Cat. # IPS Size SR42114 1-1/4" SR42112 1-1/2"



No. 43 Cat. # IPS Size SR4334 3/4" 1" SR431 1-1/4" SR43114 SR43112 1-1/2"



No. 45 Cat. # **IPS Size** SR4534 3/4" SR451 1" SR45114 1-1/4" SR45112 1-1/2"



No. 45SBC <u>Cat. #</u> **IPS Size** SR45SBC112 1-1/2"



No. 46 Cat. # IPS Size SR46114 1-1/4" 1-1/2" SR46112



No. 46 ADJ Cat. # IPS Size SR46ADJ114 1-1/4" SR46ADJ112 1-1/2"



No. 47 Cat. # **IPS Size** SR4734 3/4" 1" SR471 1-1/4" SR47114 SR47112 1-1/2" SR472 2"

# **Speedrail**



No. 47 AF 55 Cat. # **IPS Size** SR47AF34 3/4" 1" SR47AF1 SR47AF114 1-1/4"



No. 48 <u>Cat. #</u> IPS Size SR48112 1-1/2" 2" SR482



No. 49 A Cat. # **IPS Size** SR49A112 1-1/2"



No. 49 B <u>Cat. #</u> IPS Size SR49B112 1-1/2"



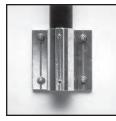
No. 49 C <u>Cat. #</u> **IPS Size** 1-1/2" SR49C112



No. 50 Cat. # **IPS Size** SR5034 3/4" 1" SR501 SR50114 1-1/4" SR50112 1-1/2"



No. 52 Cat. # IPS Size SR52114 1 1/4" SR52112 1-1/2"



No. 52 E Cat. # **IPS Size** SR52E114 1-1/4" SR52E112 1-1/2" 2" SR52E2



No. 54 3-4-5 Off IPS Cat. # Wall Size 1-1/2" SR541123 3" SR541124 4" 1-1/2" SR541125 5" 1-1/2"



No. 55 Cat. # **IPS Size** SR55114 1-1/4" SR55112 1-1/2"



No. 55-4/5 Cat. # **IPS Size** SR55-45112 1-1/2"



No. 56 IPS Size <u>Cat. #</u> SR56114 1-1/4" SR56112 1-1/2"



Wider then pipe. Finishes off end of pipe at fitting. No. 60

Cat. #

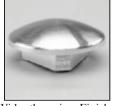
SR6034

SR601

SR60114

SR60112

SR602



**IPS Size** 

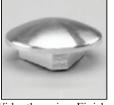
3/4"

1-1/4"

1-1/2"

1"

2"



Same outside diameter as pipe. - Aluminum



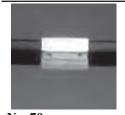
Same outside diameter as pipe. - Dk Grey Plastic

SR62P112



No. 62	
Cat. #	IPS Size
SR6234	3/4"
SR621	1"
SR62114	1-1/4"
SR62112	1-1/2"

No. 62P **IPS Size** Cat. # SR62P34 3/4" 1" SR62P1 SR62P114 1-1/4"



No. 70 Cat. # **IPS Size** SR7034 3/4" 1" SR701 1-1/4" SR70114 1-1/2" SR70112 SR702 2"



No. 70E Cat. # **IPS Size** SR70E114 1-1/4" 1-1/2" SR70E112



No. 70 S Cat. # **IPS Size** SR70S112 1-1/2"



No. 70 ES **IPS Size** Cat. # SR70ES112 1-1/2" 2" SR70ES2



1-1/2"

No. 78 (Formally know as 75) IPS Size Cat. # SR78112 1-1/2"

SR78114

1-1/4"

# Speedrail



No. 82 Cat. # IPS Size SR82114 1-1/4"



No. 100 Cat. # IPS Size SR1001 1" SR100114 1-1/4" SR100112 1-1/2"



No. 82A Cat. # IPS Size SR82A114 1-1/4" SR82A112 1-1/2"



No. 102
Cat. # IPS Size
SR1021 1"
SR102114 1-1/4"
SR102112 1-1/2"
SR1022 2"



No. 82 E Bracket
Cat. # IPS Size
SR82E114 1-1/4"



 No. 85 KM/KA

 Cat. #
 IPS Size

 SR85KM114
 1-1/4"

 SR85KM112
 1-1/2"



 No. 84 L/84R Bracket

 Cat. #
 IPS Size
 Type

 SR84L114
 1-1/4"
 Left

 SR84R114
 1-1/4"
 Right



No. 84 AL/84 AR Bracket •Same as above, but aluminum

Cat. #	IPS Size	Type
SR84AL114	1-1/4"	Left
SR84AR114	1-1/4"	Right

The number one mistake made when ordering Speedrail fittings is determining the proper size. If you are measuring the fitting, the inside fitting diameter is the outside pipe diameter. You need to determine the I.P.S. See page 33 for Iron Pipe Size guide. If you do not have a fitting in front of you, but you have the pipe, simply use the I.P.S. size associated with your pipe.

I.P.S. really means Iron Pipe Size not inside pipe size like it is known today. This standard of measurement was originally developed for fluid transfer so the pipes fluid capacity could be measured.



No. 104 Cat. # IPS Size SR10434 3/4" SR10411 1" SR104114 1-1/4" SR104112 1-1/2"







No. 106
Cat. # IPS Size
SR10634 3/4"
SR1061 1"
SR106114 1-1/4"
SR106112 1-1/2"



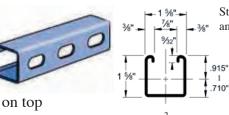
SPEEDRAIL FITTINGS ARE LIKE LEGOS ON STEROIDS! ONLY LEGAL!



# Unistrut

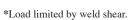
Unistrut # GPP1000T

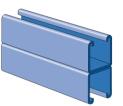
with slotted holes on top

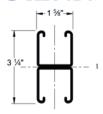


Stocked in 10 ft and 20 ft lengths.

Unistrut # GPP1001







	Max Allowable	Defi at	Uniform Loading at Deflection			Max Allowable	Defi at	Uniform Loading at Deflection			
	Uniform	Uniform	Span	Span	Span		Uniform	Uniform	Span	Span	Span
Span (in)	Load (lbs)	Load (in)	/180 (lbs)	/240 (lbs)	/360 (lbs)	Span (in)	Load (lbs)	Load (in)	/180 (lbs)	/240 (lbs)	/360 (lbs)
24"	1,690	.06	1,690	1,690	1,690	24"	*3,500	.02	*3,500	*3,500	*3,500
36"	1,130	.13	1,130	1,130	1,130	36"	3,190	.07	3,190	3,190	3,190
48"	850	.22	850	760	500	48"	2,390	.13	2,390	2,390	2,390
60"	680	.35	650	480	320	60"	1,910	.20	1,910	1,910	1,620
72"	560	.50	450	340	220	72"	1,600	.28	1,600	1,600	1,130
84"	480	.68	330	250	160	84"	1,370	.39	1,370	1,240	830
96"	420	.89	250	190	130	96"	1,200	.51	1,200	950	630
108"	380	1.14	200	150	100	108"	1,060	.64	1,000	750	500
120"	340	1.40	160	120	80	120"	960	.79	810	610	410
144"	280	2.00	110	80	60	144"	800	1.14	560	420	280
168"	240	2.72	80	60	40	168"	680	1.53	410	310	210
192"	210	3.55	60	50		192"	600	2.02	320	240	160
216"	190	4.58	50	40		216"	530	2.54	250	190	130
240"	170	5.62	40			240"	480	3.16	200	150	100



## **Spring Nut**

<u>Cat. #</u>	Size
GPP1006	1/4"
GPP1007	5/16"
GPP1008	3/8'
GPP1010	1/2"
Also available	without spring



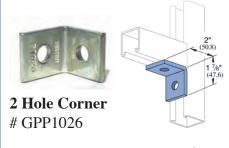
#### Nut w/Post

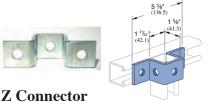
Cat. #	Size
GPP2381	1/2"



#### **Square Flat Washers**

-	
Cat. #	Size
GPP2862	5/16"
GPP2863	3/8'
GPP2864	1/2"



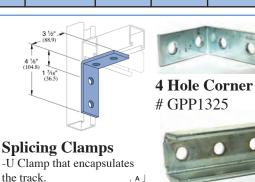


L Clamp that allo

-U Clamp that allows you to run strut in three different directions. The only rated clamp Unistrut recommends.

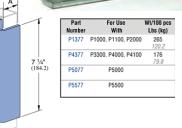
# GP1047



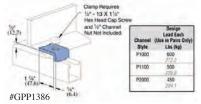


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# Beam Clamps Used in pairs only.

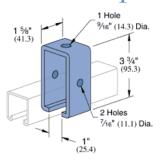
0 F	
Cat. #	Size
GPP2785	P1000
GPP2786	P1001
GPP1386	Both

-It handle 4 Spring Nuts (not included). # GPP1377

# Unistrut & Telespar

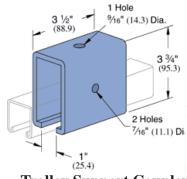


**Trolley Beam Support** # GPP1834



Bolt and 3/8" Nut (not included)

Design Load 1200 Lbs (544.3 kg)

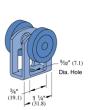


**Trolley Support Coupler** # GPP1834A

Design Load 2500 Lbs (1,134.0 kg)

Requires 3/8" x 21/2" Bolt and 3/8" Nut (not included)



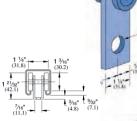


Clevis Material: 12 gauge.

\*Wheel bearings are stainless steel, ar should not be lubricated.

† "N" indicates acetal wheels.

**Light Duty Single Trolley** # GPP2749

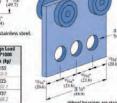


Part Number	Design Load Lbs (kg)	Wt/100 pcs Lbs (kg)
P2749	50 22.7	<b>21</b> 9.5
P2749N	10 4.5	13 5.9



**Single Trolley** # GPP2949













**Master Trolley** # GPP2950

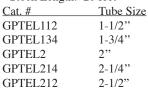


**Light Duty Master Trolley** # GPP2750

We stock Telespar, not to be confused with Telestrut (by Unistrut). We prefer the Telespar tubing because it offers a better range of sizes (1-1/2"- 2-1/4") and it is available in 24 foot lengths. In addition Telepar has 7/16" holes 1" on center as opposed to Unistrut Telestrut which has 9/16" holes that are 1-7/8" on center.

# **Telespar**

- Made of rustproof, galvanized steel
- Telespar sleeves together
- Stock Length: 20 feet







_	Rod	Max. Rec.
Cat. #	Size	Load (lbs)
HR119238	3/8"	350
HR119212	1/2"	470
HR119258	5/8"	550
HR119234	3/4"	700





•	Rod	Max. Rec.
Cat. #	Size	Load (lbs)
HR1192W38	3/8"	400
HR1192W12	1/2"	500
HR1192W58	5/8"	800
HR1192W34	3/4"	900

Top

Beam

Clamp

Mutual Hardware is proud to distribute the three major grip equipment manufacturers:

## American

#### Modern

#### **Matthews!**

We stock certain items from certain manufacturers. Any item they carry may be in our stock. If we don't have what you want, we will gladly order it for you! Every grip has a manufacturing preference, and we are here to service you!

# Modern Studio Equipment



Grip Stands 100% Stainless Steel

Cat. #	Size
GPME001-1031	20"
GPME001-1071	40"



Telescoping Junior Grip Helper Cat. #



C Clamp w/ Baby Pins

Cat. #	Size
GPME023-4205	4"
GPME023-4220	6"
GPME023-4235	8"
GPME023-4250	10"
GPME023-4265	12"

# Camera Slider w/ friction & swivel option

Cat. #	Size
GPME027	2'
GPME027	4'
GPME027	6'





**Pipe Boom Kit** 

Cat. #	Size
GPME015-2805	1 1/4"
GPME015-2810	1 1/2"

## **Open Frames**

Cat. #	Size/Type
GPME	18" x 24" Aluminum
GPME	24" x 30" Aluminum
GPME	24" x 36" Aluminum
GPME	48" x 48" Aluminum
GPME	18" x 24" Stainless Steel
GPME	24" x 30" Stainless Steel
GPME	24" x 36" Stainless Steel
GPME	48" x 48" Stainless Steel

#### **Butterflies, Flags & Scrims**

Price and availablity upon request. The primary sizes we stock are:

F	
6' x 6'	12' x12'
8' x 8'	12' x 20
8' x 12'	20' x 20



## **Grip Head & Extension Arm**

Cat. #	Description
GPME002-1210	Grip Head for stand
GPME002-1215	Grip Head w/40" Ext Arm
GPME002-1216	Grip Head w/20" Ext Arm



GPME020-3660

# Modern Studio \_\_\_\_



3" Baby Nail On Plate

<u>Cat. #</u> GPME006-1600



Baby Pin with 3/8"

#### **Female Thread**

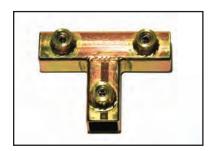
Cat. #	Size
GPME006-1680	3"
GPME006-1696	6"
GPME006-1709	9"



Aluminum Baby w/

# 3/8" Male Thread

Cat. #	Size
GPME006-1692	3"
GPME006-1693	6"
GPME006-1694	9"



Tee For 3/4" Square Tube

<u>Cat. #</u> GPME010-2002



6" Baby Nail On Plate

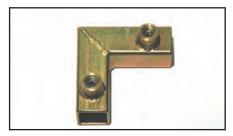
<u>Cat. #</u> GPME006-1604



Baby Pin with 3/8"

#### **Male Thread**

Cat. #	Size
GPME006-1684	3"
GPME006-1700	6"
GPME006-1710	9"



Corner For 3/4" Square Tube

<u>Cat. #</u> GPME010-2000



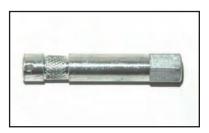
**Ear For Square Tube** 

Cat. # Size GPME010-2014 1" GPME010-2005 3/4"



5/8" to 3/8" Modern Pin

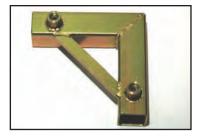
<u>Cat. #</u> GPME006-1672



**Aluminum Baby with** 

## 3/8" Female Thread

Cat. #	Size
GPME006-1688	3"
GPME006-1689	6"
GPME006-1690	9"



Corner With Brace For 3/4" Square Tube

<u>Cat. #</u> GPME010-2001



Flip-Flop Ear Square Tube

Cat. # Size GPME010-2016 1" GPME010-2006 3/4"

# Modern Studio



 Speed Cs

 Cat. #
 Size

 GPME015-2855
 1 1/4"



 Corners

 Cat. #
 Size

 GPME010-2017
 1"

 GPME010-2022
 1 1/4"

 GPME010-2028
 1 1/2"



 Ears
 Size

 Cat. #
 Size

 GPME010-2020
 1"

 GPME010-2023
 1 1/4"

 GPME010-2029
 1 1/2"

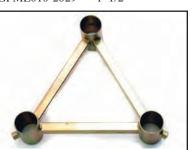


 4" Sleeves

 Cat. #
 Size

 GPME010-2025
 1 1/4"

 GPME010-2031
 1 1/2"



Truss MakersCat. #SizeGPME015-28001"GPME013-24001 1/4"GPME014-26001 1/2"



Telescoping Center for Wall Spreaders - Pipe Cat. # Size GPME016-4050 1 1/4"



 Wall Spreaders - Wood

 Cat. #
 Size

 GPME018-3270
 2" x 6"

 GPME018-3260
 2" x 4"



Condor Bracket
Cat. #
GPME025-4600



 Wall Spreaders - Pipe

 Cat. #
 Size

 GPME016-4040
 1 1/4"

 GPME016-4060
 1 1/2"



 Over Unders

 Cat. #
 Size

 GPME012-2214
 1 1/4"

 GPME012-2238
 1 1/2"



**2K Junior Adapter**<u>Cat. # Size</u>
GPME015-2815 1 1/4"
GPME015-2825 1 1/2"

# Modern Studio =



**Recessed Light Adapter** <u>Cat. #</u> GPME006-1708



Pipe To Jr Male Adapter Cat. # Size GPME012-2212 1 1/4"



**Speed Rail Starter** w/ 5/8" Baby Pin <u>Cat. #</u> GPME015-2865



**Chain Vise Grips with Baby Pin** Cat. #



**Chain Vise Grip** Cat. # GPME008-1845



**B** Board Holders Cat. # GPME026-4820



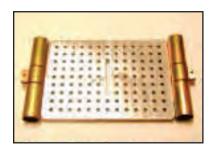
**Ball Camera Leveling Mount** Cat. # GPME027-5010



**Modern Deluxe Dish Leveling Camera Mount** Cat. # GPME027-5000



Grid Clamp w/ Rigid Plate Cat. # GPME021-3860



1 1/4" Sliders with Plate GPME031-5860



Mitchelle Plate Cat. # Size 1 1/4" GPME031-5840 1 1/2" GPME031-5850



**Grid Clamp with Swivel Plate** Cat. # GPME021-3880

# American Studio



## Adjustable Light Hanger

• Used to hook a lighting fixture below the grid. The lighting fixture can be easily slid up or down depending on the desired lighting effect.

~ 0 0		~.
Cat. #	Descritpion	Size
GPAG132	Adjustable Hanger	2' to 4'
GPAG133	Adjustable Hanger	3' to 6'
GPAG134	Optional Stir-up	

#### **Grid Clamp to Ear**

- Used to add an ear to a butterfly or overhead.
- Used for 1 1/4" and 1 1/2" pipe or 12 x12 or 20 x 20 frames.

Cat. # GPAGGCE



Shown with Optional Stir-up.

R/M = Rocky Mountain A feature that allows you to vary the height of one leg.



Mombo Combo Over Head Stand

3 Rise R/M Leg 1-1/4" x 54" Min. Height - 5'4" Max. Height - 19'1" 47 lbs. Cat. # GPAGOHS12



Mombo Combo Over Head Stand

4 Rise R/M Leg 1-1/4" x 54" Min. Height - 5'8" Max. Height - 23'5" 53 lbs. Cat. # GPAGOHS14



High-High Roller Over Head Stand

3 Rise Jr. Grip Head R/M Leg Min Height - 6'11" Max Height - 20'9" 42 lbs. Cat. # GPAGOHS03

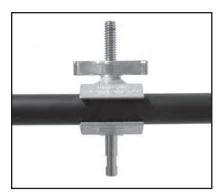


H/D High Roller Over Head Stand

4 Rise R/M Leg 1 1/4" Min Height - 6'2" Max Height - 22'2"

56 lbs. <u>Cat. #</u> GPAGOHS18

# MSE Matthews Studio



#### **Matthellini Clamp**

- Provides strong solid gripping of round, square or rectangular tubing and many other common and irregular shapes.
- •The Center Jaw has a fixed jaw mounted at the base of the Baby Pin portion of the shaft providing strong support for the pin.
- The End Jaw has the fixed jaw mounted at the end of the threaded portion of the shaft.
- Superior in tight places!

Cat. #	Jaw	Wt/lbs
GPMSE420100	2" Center	1.5
GPMSE420101	3" Center	1.5
GPMSE420110	2" End	1.5







#### Matthellini 6" End Jaw

- Provides strong, solid gripping of round, square, or rectangular tubing and many other common and irregular shapes.
- Essentially the same design as the Cardellini. The difference

A new ergonomic handle design, reinforced jaws, and the shaft is 1010 chrome plated steel.

Wt/lbs GPMSE420210 1.75



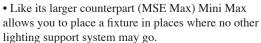
#### **Boso Blocks**

- Wooden wedge blocks for leveling dolly track.
- Full Set 12 blocks (10" x 6.5" x4") with carrier
- Half Set 24 blocks (10"x 6.5" x 2") with carrier

Cat. #	Size
PMSE259562	Full
GPMSE259563	Half



# Mini Max Boom



accessories.

GPMSE420112

Cat. #

• When the (POV) point of view will not accommodate a stand or fixture placement Mini Max can "fly" right in making it possible to strategically place a Key or Backlight.

• Will operate on an 105" maximum arc from 14 ft high to below the hoizontal.

Cat. # GPMSE377701

# Round-d-Round Doorway Dolly

Based on industry proven design, the new Round-d-Round offers all-wheel steering which allows for greater turning flexibility and will turn in a tight 6 foot (2 meter) circle.

The camera operator seat will mount in six different fixed locations. Steering from both ends of the dolly will allow unlimited camera positioning as the dolly rolls on track with either Hot Buttons or the Matthews Centipede or on the ground with the standard pneumatic rubber tires. Load capacity is over 1100 pounds (500Kg) and the platform is carpeted for a non-slip, low maintenance surface.

Cat. # GPMSE395300 GPMSE395310 GPMSE395302

Includes Seat Seat - Sold separately Secondary Offset Arm



Mini Matthellini

• Half as large as the regular

• Part of a whole new family

of smaller mounting devices

Matthelini but just as many uses.

used for clamping and holding a

Wt/lb

variety of production tools and

#### **Grid Clamps**

• Yes, that is the Mutual Half Pipe Clamp modified by MSE Equipment into a handy little grid clamp.

Cat. #	Decription
GPMSE425157	750 Pin
GPMSE429620	2 K
	(Also called Big Ben)
GPMSF425158	2 K Receiver

# **Grip Supplies**

#### **Clothes Pins**

#### #GPCP

- · Waxed hardwood
- Used for clipping gels to frames



#### **Binder Clips**

- Used for clipping gels to lights
- Holds better then clothes pins and don't melt.

Cat. #	Size
GPBCS	Small
GPBCM	Medium
GPBCL	Large



**Spring Clips** 

• Used to fasten Commando Cloth to nines

Cat. #	Size
GP3901	1"
GP3902	2"
GP3003	3"



# Wind Clips

• A plastic "C" that hooks to pipe and allows two to hang Visqueen, fabric or different materials. 12" Long

Cat. #	Size
GPWC114	1 1/4"
GPWC112	1 1/2"



#### **Push Pins - Aluminum Heads**

- Aluminum heads with stainless steel pin
- Can set with hammer

Cat. #	Size	Length of Pin
GPPP4	4	1/2"
GPPP5	5	5/8"



• 50 piece pack		
Cat. #	Rope Size	
GPBCH516	5/16"	
GPBCH38	3/8"	
GPBCH12	1/2"	



# **Bungee Cord**

- 50 ft pack
- Hook ends sold separately

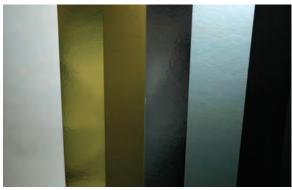
Cat. #	Rope Size
GPBC516	5/16"
GPBC38	3/8"
GPBC12	1/2"



# **Coroplast**

- Corregated plastic
- Used to blackout window exteriors because it won't be affected by rain.
- •This lightweight, non-flammable material is great for scenery.
- Size: 4' x 8' x 3/16"

Cat. #	Color
GPCPC	Clear
GPCPBK	Black
GPCPW	White



#### **Show Cards**

• Used to bounce light.

Cat. #	Color S	<u>Size</u>
GPSCBW	Black & White	30" x 40"
GPSCGS	Gold & Silver	30" x 40"
GPSCSD	Shiny & Dull	28" x 44"

# B Board

## #GPBBOARD

- Used to bounce light
- Silver on one side
- Size: 4' x 8' x 1"

# Foam Core

#GPFCBW (Black/White) #GPFCWW (White/White) #GPFCBB(Black/Black)

- Used to frame bay lights
- Size: 4' x 8' x 3/16"

# **Duvetyne**

- Used as inexpensive blackout
- Black Flameproofed
- •Not recommended for blocking light or covering windows.

Cat. # Width Roll Size SFD54F 54" 50 yd rolls

#### **Commando Cloth**

- Used for blacking out lights
- 16 oz. Black Flameproofed

Cat. #WidthRoll SizeSFCC54F54"50 yd rollsSFCCDW108"(vary in size 55-70 yards)The 108" (aka Double Wide) is also double sided.



# Appleboxes & Carts



On location with "The Sopranos"

# Saddle Sandbag

#HRSS20G (Green)

#### #HRSS20B (Black)

- Water Resistant-Not Waterproofed (One grip learned the hard way by putting them in a pool. Not recommended.)
- Design makes it easy to drape over the end of a stage brace mounted to a Non Skid Floor Plate.



# **Apple Boxes**

• Used to level stands

<u>Cat. #</u>	Descripti
GPME0631100	Full
GPME0631105	Half
GPME0631110	Quarter
GPME0631115	Pancake



# **Modern Studios Apple Box Seat Covers**

• Need a place to sit, try this!

1	, ,
Cat. #	Description
GPME0631140	Horizontal
	(Long and flat)
GPME0631145	Vertical









# Bag It - All Weather Bag

Camera Cover

- To protect your valuable equipment
- Developed to protect a fully stocked taco cart.

<u>Cat. #</u>	<u>Description</u>
GPBagitL	Large- 105"W x 75"H
GPBagitS	Small- 70"W x 60"H

#### **Cable Cart** #GPCCC

- Holds cable and sandbags
- Four rigid 10" wheels
- Hand brake
- 28"wide, 46.5" high, 34" long

#### **Rolling C-Stand** #GPCGE04

- Holds 20 stands
- Two rigid 10" wheels, two 6" swivel wheels
- · Hand brake
- 25"wide, 54" high, 37.5" long

# C-Stand

#### #GPCGE

- Holds 14 stands
- Two rigid 10" wheels
- Carefree tires
- 25"wide, 54" high, 30" long





### **4 Crate Vertical Set Box** #GPCVSB04

- 3 drawers and 4 sliding milk crate compartments
- Top pan holds 3 milk crates
- Two 10" rigid wheels, two 10" swivel wheels
- 21" wide, 48.5" wide, 39" long



### **Ditty Cart** #GPSB02

- 3 drawers and 2 sliding milk crate compartments
- Top pan holds (18 1/2"L x 12 1/4"W)
- 2 Side gel racks (Holds 14 gels)
- 2 8" Rigid & 2 8" Swivel Casters with brakes and locking bar
- 28 1/2" L, 23" wide, 43" long

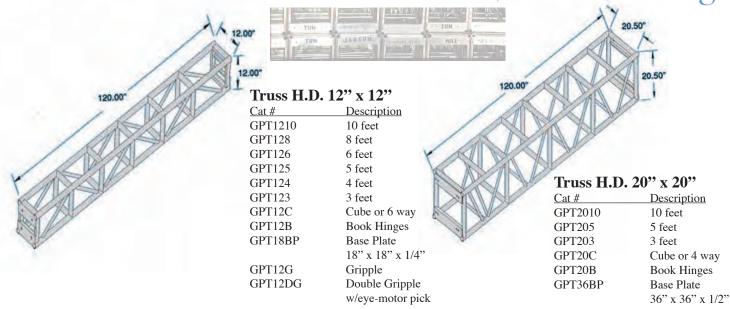


## 4x4 Cart

## #GPC4x4C

- Two rigid 10" wheels, two swivel 10" wheels
- · Hand brake
- Top storage pan
- 28"wide, 67" high, 51" long

# Truss, Motors & Slings





# **CM 1 Ton Motors**

- 208-240 volt 3 phase
- 16 fpm
- Ceep Power Connector

Cat #	Description
GPM60	60 feet
GPM80	80 feet
GPM100	100 feet

#### CM 1/4 Ton Motors

- -Smallest motor available
- -208-240 volt 3 phase
- -8 fpm
- -Reeve 2 to 1(1/4 ton rigged to 1/2 ton)
- -Ceep Power Connector

Cat #	Description
ERMM	40 feet

#### **Contols**

• Distribution of power

Cat #	Channel	Power
GPC32	32	Camlock
GPC16	16	2-30 am Pigtails
GPC12	12	Camlock
GPC08	8	30 amp Pigtails

Cat # GPCB150

GPCB100 GPCB50

GPCB25

• Power and control cable - 14/7

Length

150 feet 100 feet

50 feet

25 feet

#### **Cables**

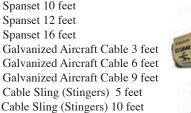


Cat #	Description	
GPSS1.5	Spanset 18"	2000
GPSS2	Spanset 2 feet	
GPSS3	Spanset 3 feet	
GPSS4	Spanset 4 feet	
GPSS5	Spanset 5 feet	
GPSS6	Spanset 6 feet	Spanset
GPSS9	Spanset 9 feet	
GPSS10	Spanset 10 feet	
GPSS12	Spanset 12 feet	
GPSS16	Spanset 16 feet	
GPSSGAC3	Galvanized Aircraf	ft Cable 3 feet
GPSSGAC6	Galvanized Aircra	ft Cable 6 feet
GPSSGAC9	Galvanized Aircra	ft Cable 9 feet



Cable Sling (Stingers) 20 feet

Shackle 5/8"













GPCS5

GPCS10

GPCS20

H329058

# Chairs & Tents











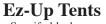
# **Hollywood™ Director Chair Accessories**

Cat. #	Description	Cat. #	Description
GPDRDH	Drink Holder	GPDRST	Side Table - Swivel
GPDRSB	Side Script Bag	<b>GPDRSS</b>	Padded Shoulder Carrying Strap
<b>GPDRUB</b>	Under Seat Ice	<b>GPDRCC</b>	Padded Carrying Case
GPDRCB	Chest Bag/Storage Bag	GPDRWK	Wheel Kit (for back 2 legs)

# Hollywood™ Director Chair 2000

- Natural wood with black canvas
- 2" seat cushion very comfortable
- · Very sturdy
- Custom embroidery available

Cat. # Height GPD2 32" GPD2M 24"



• Specify black or blue.

Cat. # Size GPEZ5 5' x 5' GPEZ10 10' x 10' GPEZ15 10' x 15'









## Classic Director's Chair #GPDCP

- Primarily stocked in black wood with black canvas
  - Also stocked in
- · Black canvas with walnut finish
- Black canvas with blonde finish
- 30" height





# **Yellow Rain Suits**

- · Jacket with detachable hood
- Storm-fly front with zipper.
- Two flap pockets.
- Underarm vents and cape ventilated back.
- Bib overall with fly, adjustable sides and elastic suspenders.
- Take-up snaps at wrist and ankles.

Cat. #	Size	Chest	Waist
GPRSM	Medium	40/42	36/38
GPRSL	Large	44/46	40/42
GPRSXL	Extra Lg	48/50	44/46
GPRSXXL	XX Lg	52/54	48/50



# **Pelsue Tents**

Cat. #	Size
GPPT48	48" x 48"
GPPT70	70" x 70"
GPPT94	94" x 94"

# Setwear Gear



#### **Pro Leather**

- High Grade Leather Glove
- Protects as well as performs.

Cat. #	Size	Color
SWP09MD	Medium	Tan & Black
SWP09LG	Large	Tan & Black
SWP09EL	Ex Lg	Tan & Black
SWP05MD	Medium	Black
SWP05LG	Large	Black
SWP05EL	Ex Lg	Black



We feature many other types of gloves in our Maintenance Section See Page - 138.



#### #SW05542

- Holds up to a 33' tape measure
- Three tier pocket construction and an extra storage compartment
- 11" tall x 8.5" wide

## 4 in 1 Pouch

#SW05544

- Stash your miniflashlight, multitool, pens and more
- A rear pocket affords room for a PDA or small notebook
- 6.5" tall x 5.5" wide



- Excellent for professionals who work with hot materials
- Provides a secure grip and superior hand protection
- Contact heat performance: 2250 C/480 F

Cat. #	Size	Color
SWSH05LG	Large	Black
SWSH05EL	Ex Lg	Black





- High performance, multipurpose work glove
- Extensive padding in the palm and top is only part of what makes this glove a favorite.

<u>Cat. #</u>	Size	Color
SWSEMD	Medium	Black
SWSELG	Large	Black
SWSEEL	Ex Lg	Black

• Insurance for your gloves

• Secure in place with the

**Glove Clip** 

• Fits belts up to 3"

snap of a button

#SW05531



- Most popular pouch to date.
- Holds up to 33' tape measure
- Gives you enough room to keep your most used tools on you at all times
- 7.5" tall x 6.5" wide

# Hammer Holder

#SW05533

- Fits on most belts
- Effective design for in most industries
- Securing strap

Tools not included.



# 25' to 33'Tape **Measure Holder**

#SW05534

- Lightweight & durable
- Holder secures using a hook and loop strap





# Clamps & Glues

# Light **C-Clamps**

• An iron frame with a steel screw and handle

		Throat
Cat. #	Size Open	<u>Depth</u>
H20791	1"	1 1/8"
H20792	2"	1 1/8"
H20792.5	2 1/2"	1 3/8"
H20793	3"	2"
H20794	4"	3"
H20796	6"	3 1/8"



· The finest heavy duty malleable iron clamp available

		Throat
Cat. #	Size Open	Depth
H20732.5	2 1/2"	1 3/4"
H20733	3"	1 7/8"
H20734	4"	2 1/8"
H20735	5"	2 1/2"
H20736	6"	2 3/4"
H20738	8"	3 1/4"
H207310	10"	3 5/8"

# **Drying Clamps**

## Bar Clamp

- The bar is made of the finest high grade steel, and the sliding arm is made of cast malleable iron
- The screw is 5/8" in diameter and is made of case hardened steel.

Cat. #	Size Oper
H20772	2'
H20772.5	2.5'
H20773	3'







# **Professional Wood Glue**

Cat. #	Description	Size
SGTB	Not Waterproof	Gallon
SGTB16	Not Waterproof	16 oz.
SGTB2	Waterproof	Gallon
SGTB216	Waterproof	16 oz



#### Scenic Glue

- Traditional granular scenic glues (except Flexible Glue which is a solid gel slab)
- All priced by the pound

F J J	F
Cat. #	Description
SG47	Ground Carpenter Glue
	-Must be melted in a double boiler
SG48	Flexible Glue - Slab Glue
	-Must be melted in a double boiler
SG48A	Wheat Paste
	-Sold in 1 lb and 5 lb packages
SG49B	Gelatin Glue
	-High quality

## Elmer's Glue

- A superior white glue made for wood, canvas, or wood to canvas
- Has tremendous holding power
- · Water soluble, quick drying

Cat. #	Size
SGEGG	Gallon (Shown)
SGEG16	16 oz.
SGEG04	4 oz.





Repair Curtains & Drops with this awesome product!

# Capital 017

# **Latex Seam Sealer**

- This unique formula of latex allows for a quick dry, permanent bond that remains flexible.
- · Keeps edges from unraveling.
- Repair damaged curtain panels and drops.
- A must have for any theatre. Keeps the damage down to a minimum.
- Wear eye protection and gloves.
- Non- flammable

Cat. #	Sizes
SGC017Q	Quart
SGC017G	Gallon

# **Sobo Glue**

• The preferred glue of the craft industry because it dries completely clear, is flexible and very strong

and very strong		
Cat. #	Sizes	
SG50G	Gallon	
SG505G	5 Gallon	



- Unique polyurethane formula allows for a rapid and power bond
- 30 minute dry time on porous material & 90 minutes on non-porous surface
- 100% waterproof
- 4 oz. squeeze bottle



- An all-purpose fast setting glue
- 16 oz. squeeze bottle





# Glues & Epoxy



#### 3M 30 N.F. Fast Bond

- Water dispersed, high strength contact adhesive
- High coverage and good heat resistance
- For plastic, laminates, wood, plywood & canvas
- Completely Non-Flammable

Cat. #	Size	Color
SG30NF5G	5 Gallon	Neutral
SG30NF1G	1 Gallon	Neutral
SG30NF32	32 oz.	Neutral
SG30NFG5G	5 Gallon	Green
SG30NFG1G	1 Gallon	Green
SG30NFG32	32 oz.	Green

# **Contact Cement**

#### #SG7250

- The very best contact cement for carpeting, linoleum, walls and platforms
- · Applies thicker than normal vinyl wall covering
- Not recommended for laminate work
- Flammable
- Sold by the gallon



# Krazy Glue #SGKG

- An all purpose instant glue
- .07 oz

# Devcon Steel Expoxy Putty #SFSEP

- Sealer and filler
- Leak Stopper
- Gray in color
- 2 oz



# "Devcon" Brand 5 Minute Epoxy Adhesive

• A clear, room-temperature curing epoxy adhesive that delivers strong, durable bonds within 15 minutes of application.

Cat. 11	DIZC
SGS208	9 oz/25ml syringe
SGS205	$2 \times 1/2$ oz. tubes





## **Duco Cement**

# #SG7290

- A transparent, flexible, waterproof cement which will mend practically everything except rubber
- Dries quickly and permanently
- Packed in 1 fl oz. tube



# ELMERS Rubber Cement

# Elmer's Rubber Cement

**#SGERC** 

• 4 fl oz

# **Monster Grip Glue**

#### **#SGERC**

- 100% waterproof
- Bonds anything
- · So strong it's scary
- 4 fl oz



# ELUE STEK Ching Made Easur - devices law - devices law - mercale - mercale

#### **Blue Stik**

#### **#SGBS**

- Replaces tape and tacks
- Removable, no mess and non-toxic
- Reuseable adhesive putty
- 1 oz.

# **Amazing Plumbing Goop**

#### **#SGAPG**

- · Contact Adhesive and Sealant
- Glues whatever bonds forever• Steel-hard bond in 20 minutes
- 3.7 fl oz. tube



# PIOPONO STEEL-MAND REPAIRS N 20 MINUTES 20 INSE

# Propoxy 20

#### #SGEP20

- Can be used to seal, mend, bond, and repair almost anything in plumbing, heating, industrial, maintenance (max temperature 300 F
- Adheres to almost all surfaces, metals, masonry, wood, glass, ceramics, and some plastics
- Steel hard bond in 20 minutes

4 oz. tube

# Glues & Adhesives

#### **Hot Stuff Instant Glue**

Cat. # Product
SGHSUFO Odorless Thin
SGHS4 Original Hot Stuff
3 to 5 second bond

SGHSS Super Solvent (for adhesives)

SGHST4 Support Gap Filling 10 to 25 second bond

SGHSNCFA Accelerator (for adhesives) SCHST4T Special T Ultra Gap Filling

30 to 50 second bond

SCUFO4T Odorless Thick Gap Filling















#### **Mortite**

#### #SGMT

- Weatherstrip and caulking cord
- 45' 9 1/2 oz. roll





## **PL200 Construction Adhesive**

#### #SGPL200

- All season formula strips
- Strong, flexible bond
- Formulated for bonding drywall and wood paneling
- · Use on wood and metal studs
- Size: 10.2 fl oz. cartridge



#### PL300 Foam Board Adhesive

#### #SGPL300

- Foam board compatible
- Bonds foam insulation to most common surfaces
- Works on foundation insulation
- Excellent for polystyrene and polyurethane molding and millwork
- Size: 10.2 fl oz. cartridge



#### PL400 Sub-Floor & Deck Adhesive

#### **#SGPL400**

- Heavy duty performance, interior or exterior
- Forms a super strong permanent bond
- Recommended for engineered lumber
- Waterproof and weatherproof
- Size: 10.2 fl oz. cartridge



# Durham's Water Putty

#### #SGDWP

- sticks, stays put, will not shrink
- 4 lbs

#### **Great Stuff**

#### #SGSF

- High quality urethane foam is ideal for filling holes, spot insulating and sealing out air, dust and moisture
- 24 oz can





#### Caulk

Cat. #	Description	Size
SGLN	Liquid Nail	10 oz.
SGS	DAP 35 year silicone	10 oz.
SGC	GE Paintable Silicone	10 oz.

# Spray Adhesives

## **3M Spray Mount**

#### #SASM

- Repositionable
- · Bond does not yellow or become flaky
- Ideal for vellum & delicate papers
- Flammable Air shipment restricted
- 10.25 oz



# Ray 72 Constant Australia

# **3M Blue 72 Spray Adhesive**

#### #SA72

- Specially formulated for bonding flexible urethane or latex foam to themselves or most other materials (wood, metal, plastics, etc)
- Creates soft, undetectable glue lines that can be repeatedly compressed with no dimpling
- Applications: General use in upholstery work, attach foam in sample cases, tractor cabs, computer cabinets
- Flammable-Air shipment restricted
- 10.25 oz

#### 3M Foam Adhesive 74

#### #SA74

- Very tacky, pressure-sensitive adhesive featuring a blue tint that helps you see where and how much adhesive is applied to a surface
- It is aggressive, yet repositionable
- Applications: Ideal for bonding polyethylene sheeting, film and foam substrates
- Flammable-Air shipment restricted
- 10.25 oz





# 3M Repositionable Adhesive 75

#### #SA75

- Excellent for production lines where parts are held in place temporarily prior to final assembly
- Applications:

Holds badges and emblems in place for stitching, and lightweight materials like T-shirts and other during silkscreening

Use temporarily to hold paper masking in place

- Flammable-Air shipment restricted
- 10.25 oz

# **3M Super 77 Multipurpose Adhesive**

#### #SA77

- Original, industrial grade aerosol adhesive
- Immediate grab lets you assemble parts faster, speeds production
- A 15-30 minute open time permits greater production flexibility as more parts or wider areas can be sprayed before assembly
- Ideal for projects all around the shop.
- Flammable-Air shipment restricted
- 10.25 oz



# 3M Rubber & Vinyl 80 Spray Adhesive

#### #SA80

- This neoprene based contact adhesive is fast drying and fast bonding
- Featuring exceptional resistance to plasticizing oils, it forms durable, high-strength bonds to vinyl, leather, laminate, wood and most rubber and plastic.
- Flammable-Air shipment restricted
- 10.25 oz

# 3M High Strength Adhesive 90

#### #SA90

- A very strong, fast drying, contact like adhesive
- Ideal for bonding decorative laminates
- Lets you make bonds after only one minute drying time
- Applications: Decorative laminate edge bonding on cabinet, tops and shelving, Bonds kick plates to office desks,attach plastic sign lettering to wood backing, attaches polyethylene to wood crates,bond foam rubberbacked carpet to floors and walls
- Flammable-Air shipment restricted
- 10.25 oz

## 3M Spray Mount Artist Adhesive 6065

#### #SA6065

- Excellent short term bonding
- Bonds most acetate, foils, fabric, light tissue and newspaper
- Flammable-Air shipment restricted
- 10.25 oz

# Soray Mount Ariat's Abbett Ariat's Abbett Ariat's Ariat's Ariat's Ariat's Abbett Ariat's Ariat's Ariat's Ariat's Abbett Ariat's A

#### Level One Adhesive

#### #SALO2850

- Works well with plastic laminates, mirrors, tiles
- Water resistant
- Flammable-Air shipment restricted
- 13 oz.

## **Level One Contact Adhesive**

#### #SALO1750 - Green

- Formulated to bond expanded polystyrene
- Water resistant
- Flammable-Air shipment restricted
- 13 oz.





# Glue Guns, Staplers & Specialty Tape



### Arrow Electric Glue Gun

- · Heavy duty gun
- Good for small craft projects and large scale problems

Cat. #	Description
SGTR400	Glue Gun - All purpose, trigger feed
SGTR550	Glue Gun - Clutch mechanism which
	prevents glue buildup
SGGS	Glue Gun Sticks - 24 sticks



### Tape Gun

Cat.#	For Tape Size
TPTG2	2"
TPTG3	3"



# Joe's Sticky Stuff

- Easy to apply.
- Easy to remove
- Great for signs, kickplates, rugs, tiles and more
- Clear double sided tape

<u>Cat. #</u>	Size
TPJSS1/2	1/2" x 65 ft
TPJSS3/4	3/4" x 65 ft
TPJSS1	1" x 65 ft



# **Heavy Duty Gun Tacker**

#### **#TPT50**

- Provides tremendous power for a wide range of heavy duty nailing jobs
- For use on scenery, flats, wood, wallboard, or wherever a nail can be driven
- Uses wedge pointed 1/4", 5/16", 3/8", 1/2' 9/16", & ceiling tile

# Plier Type Stapler

#### #TP22

- · Lightduty hand held stapler
- Takes 1/4" & 5/16" staples



## **Hammer Tacker**

#### **#TPHT50**

- Faster and easier but not as accurate as the Hand Held Tacker
- Drives a staple into any material where a nail can be driven
- Uses wedge pointed 1/4", 3/8" & 1/2" staples
- Overall length: 11 1/4"

## **Heavy Duty Staples**

- Use with Heavy Duty Gun Tacker and Hammer Tacker (The 9/16" size cannot be used with Hammer Tacker)
- 5000 per box

Cat #	Length (in)	<u>Cat #</u>	Length (in)
TP9320	1/4	TP9322	1/2
TP9321	3/8	TP9323	9/16
11,021	2,0	TP9324	17/32 (Ceiling Tile)

# **Staple Remover Tool**

#### #TP9345

 For removing staples quickly and neatly from shipping containers, flats, walls and other places where heavy staples are used



## Clear Butyl

- Super clear, high bond
- Easy to remove
- Great for signs, kickplates, rugs, tiles and more
- Clear double sided tpe

Cat. #	Size
TPCB1/2	1/2" x 65 ft
TPCB3/4	3/4" x 65 ft
TPCB1	1" x 65 ft

# **Friction Tape**

#### #TP9003

- Extra adhesive quality
- Excellent for use on ropes
- Size: 3/4" wide x 60' long

# Pro Tape



# **Electrical Tape**

- Conformable vinyl plastic tape that resists water, oils, acids, and weather
- Has insulation properties of both rubber and friction tapes
- U.L. approved
- Size: 3/4" 66 ft/roll

Cat #	Color	<u>Cat #</u>	<u>Color</u>
TP33BK	Black	TP33PR	Purple
TP33BL	Blue	TP33WH	White
TP33GY	Grey	TP33YL	Yellow
TP33OR	Orange	TP33GR	Green
TP33BR	Brown	TP33RD	Red

# **Pro Gaffers Tape**

- Vinyl impregnated cloth tape

• 60 yds/roll		
Cat #	Color	Width
TPP61BK	Black	1"
TPP62BK	Black	2"
TPP63BK	Black	3"
TPP64BK	Black	4"
TPP61GY	Grey	1"
TPP62GY	Grey	2"
TPP63GY	Grey	3"
TPP61WH	White	1"
TPP62WH	White	2"
TPP63WH	White	3"
TPP61YL	Yellow	1"
TPP62YL	Yellow	2"
TPP63TYL	Yellow	3"
TPP61BL	Blue	1"
TPP62BL	Blue	2"
TPP63BL	Blue	3"
TPP61EB	Electric Blue	1"
TPP62EB	Electric Blue	
TPP61BY	Burgundy	1"
TPP62BY	Burgundy	2"
TPP61RD	Red	1"
TPP62RD	Red	2"
TPP61BR	Brown	1"
TPP62BR	Brown	2"
TPP61GR	Green	1"



#### **Flourescent Colors**

Cat #	Color	Width	
TPP6F1GR	Flourescent Gre	en 1"	,
TPP6F1PK	Flourescent Pin	k 1"	,
TPP6F1YL	Flourescent Yel	low 1"	,
TPP6F1OR	Floursecent Ora	inge 1"	,
TPP6F2GR	Floursecent Gre	en 2"	,
TPP6F2PK	Flourescent Pin	k 2"	,
TPP6F2YL	Flourescent Yel	low 2"	,
TPP6F2OR	Floursecent Ora	inge 2"	,

# Green **Pro Custom Tapes**

Green

TPP62GR

TPP63GR

Cat. #	Width	Printed on Tape
TPSHOOT	2"	"Shoot Crew"
TPRIG	2"	"Rigging Crew"
TPCONST	2"	"Construction"
TPCAUT	2"	"Caution"





#### **Pro Cable Path**

• No glue i	n center of tape
Cat. #	Width
TPCP	4"



# Digital Gaffers

	O
Cat. #	Color
TPDGG	Green
TPDGB	Blue

# **Duct Tape**

- Inexpensive vinyl tape
- Size: 60 yds/roll
- We do not stock

some colors shown here. They are available as a special order.

		2		1	
Cat #	Color	Width	Cat #	Color	Width
TPDTBK	Black	2"	TPDTYL	Yellow	2"
TPDT3BK	Black	3"	TPDTBL	Blue	2"
TPDTGY	Grey	2"	TPDTGR	Green	2"
TPDTWH	White	2"	TPDTBR	Brown	2"
TPDT3WH	White	3"	TPDT3BR	Brown	3"
TPDTRD	Red	2"	TPDTS	Silver	2"
TPDT3RD	Red	3"			

# **Double Faced Gaffers Tape**

**#TP500** 

- Heavy duty cloth tape with double side adhesive
- Size: 2" wide x 25 yds/roll

## **Double Faced Paper Tape**

#TP400

- Double faced paper tape
- Size: 2" wide x 36 yds/roll



## Spike Tape

- Used for marking the stage or studio floor for actors' positioning on stage or set
- Size: 1/2" 60 yds/roll Cat # Color TPP612RD Red TPP612DB Dk Blue Electric Blue TPP612EL TPP612GY Grey TPP612BU Burgundy TPP612WH White





Cat #	Color
TPP6F12GR	Flourescent Green
TPP6F12PK	Flourescent Pink
TPP6F12YL	Flourescent Yellow
TPP6F12OR	Flourescent Orange

# Glow Tape

- Useful in marking exit doors, light switches, stage floor, steps, fire pails/extinguishers, and backstage passageways
- 5 vards on a roll

Cat #	Size
TPGL101	1"
TPGL102	2"



# Pro, Shurtape & 3M Tapes

**Pro Splicing** Dance Floor Tape

Cat. #	Width	Color
TPPS2BK	2"	Black
TPPS2CL	2"	Clear

## "Scotch" Masking Tape

• Professional painter's grade masking tape

• For sharp line with no adhesive transfer

Cat #	Width
TP2040-3/4	3/4"
TP2040-1	1"
TP2040-1 1/2	1 1/2"
TP2040-2	2"
TP2040-3	3"



## **3M - 2090** Painter's Tape

Cat. #	Width
TP20901	1"
TP20902	2"
TP20903	3"



## **3M - 4011** Neoprene Tape

Cat. #	Width	Thickness	Roll
TP4011L	1"	1/16"	12.5 yds

## **3M - 893** Filament Tape

Cat. #	Widt
TP8931	1"
TP8932	2"
TP8933	3"



# 3M - 471 Dance Floor Tape - Clear

Cat. #	Width	
TP4712	2"	

#### 3M - 666 Clear Double Sided

#### Tape with Liner Width Cat.#

TP6661 TP6662

# **3M - 665** Clear

# Double Sided Tape

Cat. #	Width
TP66512	1/2"
TP66534	3/4"



# 3M - Exterior

# **Mounting Tape**

- 3M's strongest mounting tape
- Great for use on brick, stone, masonry, stucco, glass, wood, metal and drywall.
- Holds up to 5 lbs with only 4' of tape.

Cat. #	Width	
TP4011	1/2"	



Permacel is now owned by Shurtape

## **Shurtape 672**

_ a . <del>*</del> .			
<ul> <li>Professional grade gaffers tape.</li> </ul>			
Cat. #	Width	Color	
TPP6721BK	1"	Black	
TPP6722BK	2"	Black	
TPP6723BK	3"	Black	
TPP6721WH	1"	White	
TPP6722WH	2"	White	
TPP6723WH	3"	White	
TPP6721GY	1"	Grey	
TPP6722GY	2"	Grey	
TPP6723GY	3"	Grey	
TPP6724GY	4"	Grey	
TPP6721RD	1"	Red	
TPP6722RD	2"	Red	
TPP6721GR	1"	Green	
TPP6722GR	2"	Green	
TPP6723GR	3"	Green	
TPP6721BL	1"	Blue	
TPP6722BL	2"	Blue	
TPP6721YL	1"	Yellow	
TPP6722YL	2"	Yellow	
TPP6721BR	1"	Brown	
TPP6722BR	2"	Brown	





# Shurtape 672 Gaffers Small 1" Core Roll

- Vinyl impregnated cloth tape
- Special small roll core-takes up less room in kit. A normal roll core is over 2 inches. This core is only 1 inch.

over 2 menes.	This core is	эшу т ш
Cat #	Color	Width
TPP6721BKSC	Black	1"
TPP6721BLSC	Blue	1"
TPP6721BRSC	Brown	1"
TPP6721GYSC	Grey	1"
TPP6722GY	Grey	2"
TPP6722BK	Black	2"

# **Shurtape 791** Masking Tape

Cat. #	Width
TPP7911	1"
TPP7912	2"

# **Shurtape 743** Photo Tape

Cat. #	Width
TPP7431	1"
TPP7432	2"
TPP7434	4"



# Shurtape P-50

# Double Sided Gaffers Tape

Dogote	DIGGG (
Cat. #	Widtl
TPP5012	1/2"
TPP501	1"
TPP502	2"



# **Shurtape 919**

# Clear Packing Tape

Cat. #	Width
TPP9192	2"

# Shurtape J-Lar

~	- 0
Cat. #	Widtl
TPJL1	1"
TPIL2	2"



# Curtain Hardware

#### **Brass Grommets**

- Made of wrought brass
- Packed with washers; 100 per box

Cat #	Size	Dia. Hole
H20310	0	1/4"
H20311	1	5/16"
H20312	2	3/8"
H20313	3	7/16"
H20314	4	1/2"
H20315	5	5/8"
H20316	6	3/4"



#### **Grommet Hole Cutters**

- Made of forged steel
- Will cut clearance holes for corresponding size grommets

BILL SIO		
Cat #	Size	Dia. Hole
H20370	0	1/4"
H20371	1	5/16"
H20372	2	5/16"
H20373	3	3/8"
H20374	4	1/2"
H20375	5	5/8"
H20376	6	3/4"



# **Grommet Setting Die**

- Made of drop forged steel
- Will set sheet brass or teeth grommets

11111 500	SHOOL OF
Cat #	Size
H20360	0
H20361	1
H20362	2
H20363	3
H20364	4
H20365	5
H20366	6



## **Dual Lock**

- Available in black or clear 1" wide
- Very strong hold
- No male or female-sticks to itself

Qty	Color
cut yard	Clear
roll 50 yds	Clear
cut yard	Black
roll 50 yds	Black
	cut yard roll 50 yds cut yard



#### Velcro

- Available in black or white.
   Please specify color when ordering
- · Pressure sensitive only

110	obsure se	JII JI V C V	omy					1
Hook Fastener-Male					Loop Fastener-Female			
				Roll				Roll
Cat	#	Width	Color	Size	Cat #	Width	Color	Size
VL	34HB	3/4"	Black	25 yds	VL3/4HB	3/4"	Black	25 yds
VL	34HW	3/4"	White	25 yds	VL3/4HW	3/4"	White	25 yds
VL	1HB	1"			VL1HB	1"	Black	25 yds
VL	1HW	1"			VL1HW	1"	White	25 yds
VL	2HB	2"			VL2HB	2"	Black	25 yds
VL	2HW	2"			VL2HW	2"	White	25 yds



# **Drapery Spring Snap** #SN2226

- Made of wrought steel and a nickel plated finish with a sturdy spring snap
- Easy way to hang curtains

# Rigid Eye Strap Snap

• One end has a loop eye for strap and the other end has a flat spring eye

Cat #	Sizes
SN23401	1"
SN234011/2	1 1/2"



## "S" Hooks

• Made of blunt wrought steel with a plain finish

Cat #	Sizes
CT27111/2	1 1/2"
CT2712	2"
CT27121/2	2 1/2"
CT2713	3"

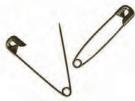


# **Light Duty "S" Hooks**

• Made of wrought steel wire with a plain finish

Cat #	Sizes
CT2831	1"
CT28311/4	1 1/4"
CT28315/8	1 5/8"





# **Safety Pins**

#### #SNSP

- Length: 2"
- 144 pins in a gross

# Nickel Steel Bank Pins #SNNSBP

- Length: 2"
- 1/2 lb box



# Blanket Pins #SNBP

- Used where large safety pin is needed, such as pinning back soft goods
- 4" length

# **Fusible Link**

#### #CT7519



- Used wherever a curtain, door or other fixture is constructed to close automatically upon exposure to heat
- Will melt at 160 degrees; other temperatures can be supplied upon request

# Stage Curtains & Hampers

## **Stage Curtains**

We have been helping people with their curtain needs since 1950. Since a front curtain represents a considerable investment and is something that will be visible to your administration and audience for a long period of time, quality is very important. Our curtains are made from the finest fabrics and quality workmanship.

We will be happy to supply quotations on curtains, drops, scrims, cycloramas, etc in a variety of materials at no cost or obligation to you.

Most public spaces are required to have their curtains and drops flameproofed. The best fabric for making your curtains, and meeting the fire code requirements is to use synthetic velours. They are inherently flameproof (IFR) for the life of the fabric and do not rot or fade like traditional cotton velours. IFR fabric costs more but is worth it!

#### Front Curtains, Travelers and Legs

- Fabricated with 50% fullness, box pleated, webbing, and grommets at top on 12" centers
- Chain weight in separate pocket at bottom
- Provide height and width of each panel when requesting a quotation
- Recommended fabrics: Velour, Commando, Cloth, or Duvetyne
- If hanging on a batten pipe, specify tie lines
- If hanging on a traveler track, specify sewn snap hooks

#### **Borders and Valances**

- Generally made of the same fabric as the corresponding curtain
- Fabricated with 50% fullness
- Webbing and grommets at top on 12" centers with tie lines for hanging
- Hem or chain weight in separate pocket at bottom
- Provide height and width when requesting a quotation

#### **Drops and Cycloramas**

- Fabricated flat with webbing and grommets at top and tie lines on 12" centers
- Specify chain weight in separate pocket or a sewn pipe pocket (pipe not included)
- They can be made seamless, but these are much more expensive than seamed drops
- Seamed pieces up to 18' usually have one seam, up to 27' two seams and up to 36' three seams
- Recommended fabrics: Muslin, Canvas, or Duck

#### **Scrims**

- Seamless, transparent drops
- The best material is Sharkstooth because it is opaque when lit at a 45° angle from the front and "dissolves" or becomes transparent when lit from behind, as the front lights dim out
- Aniline Dye or Rosco Supersaturated Paint are used to paint scrim materials because the scrims maintains its translucency
- Sewn flat with webbing and grommets at top and tie lines on 12" centers
- Colors available: white-when painting a scene, black-when creating a mysterious "dissolve" effect, and blue-when projecting color light effects or as a sky backdrop
- Specify chain weight in separate pocket or a sewn pipe pocket (pipe not included).

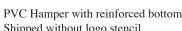


## **Curtain Storage Hampers**

- Canvas hamper with a sturdy plywood top hinged to the body and fitted with hoops for locking
- Excellent for storing curtains or soft goods as well as transporting cable and rope)
- Available with or without high quality Darnell casters.
- Hampers stack for easy storage
- We reinforce the hampers with 1" x 4" clear pine to support heavy loads before we install Darnell Swivel Casters. No other supplier offers this high quality caster as an improvement to the hamper. We also can do custom fabrication of hampers. Please contact a salesperson.
- These hampers ship via common carrier. Allow for freight charges

Bushel	L	W	D(inside)
6	30"	20"	20 1/2"
8	34"	22"	23"
10	36"	24"	25"
12	36"	26"	27 1/2"
16	40"	28"	30"
20	48"	32"	30"

Size(Bushel)	Darnell Casters
6	HM402DC06
8	HM402DC08
10	HM402DC10
12	HM402DC12
16	HM402DC16
20	HM402DC20



Shipped without	logo stellell.
Size(Bushel)	Darnell Casters
12	HM402DCPVC



## **Drop Holder**

#### #H2064

- Used to gathered the fabric of a drop or scrim for storage on a pipe
- Clamp cannot be opened except by hand
- Size: Length 12" Width 2"



## Scenic Fabrics

#### **Fabric Pricing**

- Prices of the following fabrics are per running yard, not per bolt (i.e. 1 yard of 30' wide Sharkstooth Scrim is 3' x 30')
- Bolds vary in size from 50 yards to 100 yards, however, you get the bolt price if you order over 50 yards
- If the fabric is rolled, we would appreciate you taking the whole roll if it is within your budget
- Cut prices apply when less than 50 yards is ordered

#### **Colored Fabrics**

 When ordering a colored fabric, such as Sky Blue Muslin, Velour, Commando Cloth, or Satins, be sure to order a sufficient amount of yardage. Dye lots vary and we cannot guarantee that the colors will match on different orders.

#### **Shipping Fabric**

• Please note that we have provided the approximate weight per bolt and per yard. The weight per bolt can help you determine whether the fabric has to shipped by truck. The maximum weight UPS will handle is 70 lbs, so anything over that will have to ship via common carrier and that can be costly.

#### Roll vs Bale

- Rolled fabrics cost more and are very handy to work with. Bales are very inexpensive but require additional handling
- We have indicated the roll sizes below. Again, we would appreciate your taking the whole roll if it is within your budget

#### Flameproofed vs. Inherently Flameproofed

- Flameproofed fabric is expensive but may be required by the theatre's local and state fire laws. The flameproofing process shrinks the fabric quite a bit, so it doesn't tighten well on a frame
- Non Flameproofed fabric is significantly less money than flameproofed and shrinks very nicely around a frame. It is possible to flameproof the fabric while you are priming it.
- Inherently Flameproofed fabric is expensive but totally worth it. This synthetic form of velour is flameproofed for the life of the fabric. It is completely resistent to rotting and fading. If you are buying curtains for installation in a public space, use Inherently Flameproofed Velours!

### **Drop and Flat Fabrics**

- Muslin and canvas are the most popular fabrics for painting scenic drops, cycloramas and for covering flats.
- Canvas is recommended if the drop is going to be painted repeatedly and if the drop will be handled alot.
- Grounded cloths are generally made of 12 ounce canvas because it is the most durable.
- Narrow fabrics are used to construct flats and wide widths are used for cycloramas and drops.
- Wide fabrics are expensive because they are imported. The best buy on wide fabrics is the 120" and the 108".
- Canvas comes in various weights such as 8 oz (8 oz per square yard) or 12 oz.
- Muslin is sold by the number of stitches per inch such as 128 count or 140 count. A tighter weave (140 count) is considered a heavy weight muslin. Flameproofed muslin shrinks so much it seems like a 140 count muslin.

#### **Muslin-Natural**

	Width	Stitches	On	Weight	Weight
Cat #	FP or NFP	per Inch	Roll	per bolt	per yard
SFM063N	63" NFP	128 Medium	Y-50 yds	28 lbs	.56 lb
SFHM069F	69" FP	140 Heavy	Y-50 yds	38 lbs	.76 lb
SFM078F	78" FP	128 Medium	Y-100 yds	70 lbs	.70 lb
SFM080N	80" NFP	128 Medium	N	35 lbs	.70 lb
SFM100F	100" FP	128 Medium	Y-100 yds	50 lbs	1 lb
SFM108N	108" NFP	128 Medium	N	45 lbs	.90 lb
SFM120N	120" NFP	128 Muslin	Y-100 yds	95 lbs	.95 lb
SFM11N	11' 10" NFP	128 Muslin	N-60 yds	60 lbs	1 lb

#### **Muslin-Bleached**

	Width	Stitches	On	Weight Weight
Cat #	FP or NFP	per Inch	Roll	per bolt per yard
SFBM108F	108" FP	128 Medium	Y-50 yds	45 lbs .90 lb

#### Muslin-Sky Blue

	Width	Stitches	On	Weight	Weight
Cat #	FP or NFP	per Inch	Roll	per bolt	per yard
SFBM102FC	102" FP	128 Medium	Y-50 yds	50 lbs	1 lb
SFBM14'FC	14'5" FP	128 Medium	N	70 lbs	1.4 lbs
SFBM20'FC	20'4" FP	128 Medium	N	100 lbs	2 lbs
SFBM32'FC	32'9" FP	128 Medium	N	168 lbs	3.3 lbs

Please add a "C" to the Cat # when ordering a cut piece less than 50 yards

## FP = Flameproofed

IFR= Inherently Flameproofed

NFP = Non Flameproofed

#### **Muslin-Natural-Wide Width**

	Width	Stitches	On	Weight	Weight
Cat #	FP or NFP	per Inch	Roll	per bolt	per yard
SFM14'FC	14'5" FP	128 Medium	N	70 lbs	1.4 lbs
SFM14'NC	14'5" NFP	128 Medium	N	65 lbs	1.4 lbs
SFM20'NC	20'4" FP	128 Medium	N	100 lbs	2 lbs
SFM20'FC	20'4" NFP	128 Medium	N	92 lbs	1.8 lbs
SFM32'FC	32'9" FP	128 Medium	N	168 lbs	3.3 lbs
SFM32'NC	32'9" NFP	128 Medium	N	158 lbs	3.1 lbs

#### **Muslin-Bleached**

	Width	Stitches	On	Weight Weight
Cat #	FP or NFP	per Inch	Roll	per bolt per yard
SFBM108	108" FP	128 Medium	Y-50 vds	50 lbs 1 lbs

#### **Canvas-Natural**

	Width		On	Weight	Weight
Cat #	FP or NFP	Weight	Roll	per bolt	per yard
SF08C69F	69" FP	8 oz	Y-50 yds	70 lbs	1.4 lbs
SF08C72N	72" NFP	8 oz	Y-100 yds	50 lbs	1.6 lbs
SF12C72N	72" NFP	12 oz	Y-100 yds	65 lbs	1.8 lbs

#### Canvas-Black

	Width		On	Weight Weight
Cat #	FP or NFP	Weight	Roll	per bolt per yard
SFBC69F	69" FP	8 07	Y-50 vds	60 lbs 1 2 lbs

## Scenic Fabrics

#### **Scrim Fabrics**

- All fabrics diffuse differently and have limited large scale applications due to the narrow widths
- Aniline Dye and Rosco Supersatured Paint are used to paint scrims while maintaining its translucent quality
- The wide width makes seamless drops possible

#### **Sharkstooth Scrim**

- This material is opaque when lit at a 45° angle from the front and "dissolves" or becomes transparent when lit from behind, as the front lights dim out
- Scrim is flameproof

Cat #	Width	Color	Weight (per yd)
SFSS30'FCBK	30'	Black	2 lbs
SFSS19'FCBK	19'6"	Black	1.5 lbs
SFSS15'FCBK	15'6"	Black	1 lb
SFSS30'FCW	30'	White	2 lbs
SFSS19'FCW	19'6"	White	1.5 lbs
SFSS15'FCW	15'6"	White	1 lb
SFSS30'FCBL	30'	Blue	2 lbs

#### **Jute Webbing**

- Used to reinforce drops and curtains. Enables unit to hang without tearing at the edges
- Sold in 72 yd roll

Cat #	Width	<u>Color</u>	
SFJW	3 1/2"	Natural	

#### **Theatrical Gauze**

- In addition to it's use as a scrim, it is used for set pieces such as rocks, (before painting), and for texturing painted flaps. Gauze is also used to cover windows in flats
- This fabric is expensive but versatile

Cat #	Width	Color	Weight (per yd)
SFTG72FCBK	72"	Natural	.3 lb

#### **Erosion Cloth**

- Rough, textured, brown cloth used for backgrounds and decorative purposes
- Excellent for casting rough grid-like shadows
- Cloth is non-flameproofed
- Sold by the yard

  Cat # Width

  SFEC48N 48"

#### **Burlap**

- An economical scrim that can also be used for set pieces such as rocks
- · All natural color

	Width			Weight	Weight
Cat #	FP & NFP	Weave	On Roll	per Bolt	per Yard
SFBL	36" NFP	Loose	No	n/a	n/a

#### **Scenery Netting**

- Has one inch hole and is used to hang set pieces and for decorative purposes
- Scenery Netting is non-flameproofed

Cat #	Width	Color
SFSN30'NCBK	30'	Black
SFSN30'NCNT	30'	Natural

#### **Cotton Net**

- Similar to fishnet stockings
- · Allow two weeks for delivery

Cat #	Width	Color	Weight (per yd)
SFCN072FCBK	72"	Black	.3 lb
SFCN216FCBK	216"	Black	2 lbs
SFCN072FCW	72"	White	.3 lb
SFCN216FCW	216"	White	2 lbs

#### Cheesecloth

- This low cost fabric is finding more and more usage in theatre and decorating
- It is used in costumes, in sets to simulate the appearance of glass (as in windows), and to decorate windows
- The 58" medium cheese cloth is a good scrim material
- All cheesecloths are non-flameproofed

Cat #	Grade (or mesh)	Width	Yardage/Bolt
SFCC58NC	Medium	58"	Specify Cut

#### **Curtain Fabrics**

• Used to mask walls and areas and used to fabricate stage curtains

#### **Duvetyne**

- An economical, napped weight fabric
- Not recommended for concealing windows

	Width			Weight	Weight
Cat #	FP & NFP	Color	On Roll	per Bolt	per Yard
SFD54F	54" FP	Black	50 yds	40 lbs	.8 lb

Please add a "C" to the Cat # when ordering a cut piece less than 50 yards

#### **Commando Cloth**

- This fabric has an improved pile over duvetyne; rich looking but economical
- Black is the only color we stock

	Width		Weight	Weight	
Cat #	FP & NFP	Color	On Roll	per Bolt	per Yard
SFCC54FBK	54" FP	Black	50 yds	50 lbs	.5 lb
SFCC54FBG	54" FP	Beige	50 yds	50 lbs	.5 lb
SFCC54FCR	54" FP	Cranberry	50 yds	50 lbs	.5 lb
SFCC54FGY	54" FP	Grey	50 yds	50 lbs	.5 lb

## Scenic Fabrics

#### Velour

• A heavy pile fabric that is extremely durable and rich in appearance

#### 16 Ounce (lightweight/economical)

• Width-54", Flameproofed, Weight-16 oz, On the Roll (50/55 yds), Weight per Bolt-55 lbs, Weight per Yard-1.1 lbs

Cat. #	Color
SF16V54F1	Black
SF16V54F2	Cherry
SF16V54F3	Midnight Blue
SF16V54F4	Sapphire Blue
SF16V54F5	Sky Blue
SF16V54F6	Silver
SF16V54F7	Slate
SF16V54F8	Sapphire Blue

#### 21 Ounce (premium)

• Width-54", Flameproofed, Weight-21 oz, On the Roll (50/55 yds), Weight per Bolt-75 lbs, Weight per Yard-1.5 lbs

<u>Cat.</u> #	Color	Cat. #	Color	Cat. #	Color
SF20V54F1	Black	SF20V54F8	Fern	SF20V54F15	Grape
SF20V54F2	Gold	SF20V54F9	Ocean	SF20V54F16	Wine
SF20V54F3	Cashmere	SF20V54F10	Rose	SF20V54F17	Plum
SF20V54F4	Creme	SF20V54F11	Espresso	SF20V54F18	Jezebel
SF20V54F5	Pewter	SF20V54F12	Kodiak	SF20V54F19	Navv
SF20V54F6	Dove	SF20V54F13	Sienna	SF20V54F20	Bermuda
SF20V54F7	Hunter	SF20V54F14	Brick	SF20V54F21	Cornflower
		5120 (5)1111	2	SF20V54F22	Wedgewood

#### 25 Ounce (premium)

• Width-54", Flameproofed, Weight-25 oz, On the Roll (50/55 yds), Weight per Bolt-100 lbs, Weight per Yard-2 lbs

Cat. #	Color	Cat. #	Color	Cat. #	Color
SF25V54F1	Black	SF25V54F8	Fern	SF25V54F15	Grape
SF25V54F2	Gold	SF25V54F9	Ocean	SF25V54F16	Wine
SF25V54F3	Cashmere	SF25V54F10	Rose	SF25V54F17	Plum
SF25V54F4	Creme	SF25V54F11	Espresso	SF25V54F18	Jezebel
SF25V54F5	Pewter	SF25V54F12	Kodiak	SF25V54F19	Navy
SF25V54F6	Dove	SF25V54F13	Sienna	SF25V54F20	Bermuda
SF25V54F7	Hunter	SF25V54F14	Brick	SF25V54F21	Cornflower
				SF25V54F22	Wedgewood

Please add a "C" to the Cat # when ordering a cut piece less than 50 yards

#### Rosco's Glame

- An old favorite gets a new look.
- Improved Glame features a new weave which is fine, flat and even.
- The range of colors has been expanded to include diffractions and iridescents for stunning scenic effects on stage or film.

  Roll 48" x 30 ft roll (Available in 330 ft bolts upon request)

Color	Cat. #	Color	Cat. #
Silver	RDP2006	Clear/Diffraction	RDP2034
Gold	RDP2009	Iridescent/Diffraction	RDP2035
Silver/Black	RDP2012	Razzle Dazzle	RDP2041
Gold/Black	RDP2013	Black	RDP2045
Gold/ Silver	RDP2014	Black/Iridescent	RDP2052
Silver/Diffraction	RDP2032	Silver/Iridescent	RDP2053
Gold/Diffraction	RDP2033	Gold/Iridescent	RDP2054

#### **Rosco's Shimmer Scrim**

- Self-extinguishing fabric with a selvedge edge for easy sewing
- It can be used for scrim effects and has a soft hand for easy draping Roll 47" x 10 vds Bolt 47" x 110 vds

Koll - 4/ X 10 yas E	301t - 4/ X 110 yas	
Color	Cat. #	Cat. #
White-Iridescent/Gold	RDP1001	RDP1001B
White-Iridescent/Clear	RDP1005	RDP1005B
White-Iridescent/White	RDP1011	RDP1011B
Black-Clear/Silver	RDP2001	RDP2001B
Black-Clear/Iridescent	RDP2005	RDP2005B
Black-Clear/Black	RDP2011	RDP2011B
Black-Gold/Clear	RDP2021	RDP2021B



## **Glitzy Fabrics**

See page 144 for Mirror Effects.



#### Rosco's Showcloth

- Self-extinguishing fabric with a selvedge edge for easy sewing
- A combination of woven plastic and thread creates this elegant, shimmering material

Roll - 47" x 10 yds Bolt - 47" x 110 yds

Color	Cat. #	Cat. #
White-Gold	RDP2101	RDP2101B
Black-Gold	RDP2102	RDP2102B
White-Silver	RDP2103	RDP2103B
White-Iridescent	RDP2104	RDP2104B
Black-Silver	RDP2105	RDP2105B
Black-Black	RDP2106	RDP2106B
Black-Iridescent	RDP2107	RDP2107B

# Flameproofing & Gamma Seal

Your theatre's local Fire Department has codes governing the flammability of materials used on stage. It is important that you know these fire codes. If you are thinking about using flash effects during your performance, chances are good the Fire Department will pay you a visit. Since most flameproofing compounds protect for approximately one year, complying with the code can be quite a task.

The fabrics used to construct stage curtains are usually flameproofed and these fabrics are easy to treat while they hang by spraying the back of the fabric with the proper solution.

Flameproofing scenery and the stage can be challenging. Basically the wood frames and stage should be coated with W40 flameproofing solution. Scenic fabric, if not already treated, can be flameproofed during the sizing process. Painting the scenery with a casein paint is the best option because it will not support a flame. If you want to paint with latex acrylic paints, we stock a flameproofing paint additive.

Flameproofing can be applied many ways, such as with a roller, brush, sprayer or by immersion. If you are using a brush or roller, allow the solution to soak through and dry before applying paint. Spraying is the fastest way. Try the #HS223 P-50 Hand Sprayer, which is an excellent paint sprayer as well. Drops can be dipped into the solution, gently wrung out and hung up to dry. Be sure to use a large enough container for soaking to insure that all the fabric is treated.

Warning: If you get flameproofing products in your eyes, wash immediately with water. Follow with a soothing eye solution from a drug

### Flameproofing Solutions

• When the following products are applied, they render materials flame-retardant according to NFPA701

## Roscoflamex C26

#### #RFX7926

- An improved version of Rosco's original flameproofing for cotton muslin and canvas
- The Roscoflamex C26 can be diluted with 2 or 3 gallons of water depending on the fabric's thickness.
- Coverage approx 200 to 400 square feet
- Sold by the gallon



#### P-50 Fire Retardant Paint Additive

- Formulated to easily mix with standard water based acrylic latex paint. Designed to raise the ignition temperature of the paint to provide Class A flame spread rating
- It will not affect the characteristics or color of the original paint
- · Shelf life: five years
- Add 12 oz unit per gallon of paint
- Tested in accordance with ASTM E-84.

Cat. # Quantity

FLFR1 1 - 12 oz unit

FLFR12 12 - 12 oz units per case

## Roscoflamex W40

#### #RFX7940

- · Rosco's flame retardant for raw wood
- The liquid is premixed and ready for use
- Coverage approx 200 square feet
- Sold by the gallon

Do not use Roscoflamex with metallic paints.



#### Roscoflamex S33

#### #RFX7933

- A formulation for treating synthetics including polyester, nylon, acrylic, rayon and a variety of blends
- Premixed and ready to use
- Run tests before flameproofing fabrics with a shiny surface or ornaments such as tassels
- The compound has a tendency to leave a gritty substance and may discolor the fabric
- Coverage approximately 200 square feet
- Sold by the gallon





#### Gamma Seal Lid

#### #PCGAMMA

- Transforms most 12" diameter plastic pails (or 5 gallon pails) into leak proof, airtight storage containers that protect the contents from exposure to the environment
- The Gamma Seal lid does not require cutting tools or lid removers
- The lid is removed with a gentle turn of the wrist



## Scenic Color Chart Lemon Yellow Golden Yellow Chrome Yellow **Bright Yellow** Fire Red (Red) Orange Deep Red Bright Red Iron Red Sky Blue Pthalo/Cerulean Spectrum Red Prussian Blue Navy Blue Ultramarine Blue Green-Shade Blue **Emerald Green Turquois** Grass Green Pthalo Green Chrome Oxide Green Bright Green Dark Green Forest Green Purple



For your convenience, we have included a generalized scenic color chart. By generalized, we mean these color representation are not accurate due to the restrictions of the four color printing process. We opted not to show color by manufacturer. There will be slight variations in each manufacturer's colors, but for the most part, these colors will be close. We did not show white or black because these should be well known. Besides if you don't know white or black, this chart will be too confusing anyway! Sincerely The Folks @ Mutual Happy Painting!

## Paints =

#### Flo Paint

- For stage, television, movies, display, and interior design
- Can be tinted with poster colors or with other vinyl paints
- Super vinyl clear gives a shellac look with no mess or odor
- No mixing- stir and use
- Water clean-up saves brushes
- Consistent color matching even between batches
- The only theatrical paint recommended for exterior use



Gloss Flo	Gloss Flo Paint		aint
Cat. #	Color	Cat. #	Color
FO5089	Bright Green	FO5029	Bright Green
FO5087	Forest Green	FO5030	Forest Green
FO5085	Bright Yellow	FO5031	Bright Yellow
FO5086	Turquoise Blue	FO5032	Turquoise Blue
FO5055	White	FO5033	Scenic White
FO5079	Black	FO5034	Black
FO5064	Scenic Grey	FO5035	Scenic Grey
FO5060	Light Green	FO5037	Emerald Green
FO5061	Medium Green	FO5038	Chrome Oxide Green
FO5063	Deep Green	FO5039	Dark Green
FO5056	Raw Sienna	FO5040	Raw Sienna
FO5057	Burnt Sienna	FO5041	Burnt Sienna
FO5058	Raw Umber	FO5042	Raw Umber
FO5059	Burnt Umber	FO5043	Burnt Umber
FO5076	Bright Red	FO5044	Bright Red
FO5067	Medium Blue	FO5045	Ultra Blue
FO5066	Dark Blue	FO5047	Navy Blue
FO5065	Magenta	FO5048	Magenta
		FO5049	Cerulean Blue
FO5075	Light Yellow	FO5050	Lemon Yellow
FO5069	Medium Yellow	FO5051	Golden Yellow
FO5068	Orange	FO5052	Orange
FO5077	Deep Red	FO5054	Deep Red

Note: Gloss Flo Paint dries to a deep shine finish. The colors are listed side-by-side when they are the same or similar. Generally speaking, no gloss will ever match a flat exactly.

## **Super Vinyl Clear Flo**

Cat #	Finish	Size
FO5080	Gloss	1 Gallon
FO50805	Gloss	5 Gallons
FO5053	Flat	1 Gallon
FO50535	Flat	5 Gallons



## **Rosco Clear Acrylic**

- Dries to a crystal clear, waterproof, washable film in just 3 minutes
- Can be applied to almost any surface with a clean brush or roller

Cat. #	Color	Size
RCF5581	Clear Flat	Gallon
RCF55815G	Clear Flat	5 Gallons
RCG5580	Clear Gloss	Gallon
RCG55805G	Clear Gloss	5 Gallons

#### **Para-Casein Paint**

- Inexpensive because customer is getting the manufacturer-to-user direct sale
- No paint odor. No toxic fumes.
- Excellent covering power-bright, sharp, mass tones
- Will mix well with polyvinyl glue or sizing water
- High tinting strength
- Non-bleeding
- Cleans up with soap & water
- Available in gallon cans

Available	in ganon cans	
<u>Cat. #</u>	<u>Color</u>	<u>Description</u> .
PC1001	Black	Intense black
PC1003	Turquoise	Deep blue-green
PC1004	Ultramarine Blue*	Bright, medium
PC1005	Pthalo Blue	Sky or Italian blue (Aqua)
PC1007	Navy Blue	Dark blue
PC1008	Raw Sienna	Light golden brown
PC1009	Burnt Sienna	Warm, medium red-brown
PC1010	Raw Umber	Dark greyed-brown
PC1011	Burnt Umber	Dark red-brown
PC1014	Chrome Green	Olive or moss green
PC1016	Emerald Green	Brilliant, medium green
PC1018	Dark Green	Darker green
PC1019	Orange	Bright, medium
PC1021	Purple	Medium
PC1022	Bright Red	Orange red
PC1023	Red*	True Red
PC1024	Dark Red	Crimson, deep red
PC1030	Magenta	Fuschia pink
PC1035	White	Intense
PC1039	Golden Yellow	Medium
PC1041	Lemon Yellow*	Brilliant, primrose
PC1042	Yellow Ochre	Light brownish yellow

\*= closest to primary colors

## **Tough Prime**

- A unique water based primer with new and improved special adhesive properties that allow it to bond to the hard-to-prime scenic materials found in every scene shop.
- Tough Prime covers just about any surface, including PVC pipe, aluminum, foams, concrete floors and plastics, as well as wood and foam core.
- This quick drying, acrylic emulsion primer dries to a tough, durable coating which can be painted over with any paint. Tough Prime is excellent for both interior and exterior use.

	Gallon	5 Gallons
Color	Cat.#	Cat. #
Tough Prime White	RTP6050	RTP60505G
Tough Prime Black	RTP6055	RTP60555G

#### **Plastic Varnish**

- A non-toxic, easy to use, plastic liquid
- Gives objects a tough glossy finish
- Dries in minutes

	Gallon	5 Gallons
Color	Cat.#	Cat. #
Plastic Varnish-Flat	MCPVF1	MCPVF5
Plastic Varnish-Gloss	MCPVG1	MCPVG5



## **Rosco Off Broadway Paint**

- Versatile vinyl acrylic paint that can be used out of the can to paint drops and sets
- Sold by the gallon.

Cat. #	Color					
ROB5350	White					
ROB5351	White-White		/			
ROB5352	Black		/			
ROB5353	Yellow Ochre		6			
ROB5354	Burnt Umber		04	000	_	
ROB5355	Raw Sienna	1		SC	0	٦)
ROB5356	Burnt Sienna		-			
ROB5357	Raw Umber		965		IAV	
ROB5358	Earth Umber			ADV	V/41	
ROB5359	Ultramarine Blu	ie	ICE N	C PA	INT	
ROB5360	Fire Red					
ROB5361	Deep Red			DEEP RED		
ROB5363	Orange		Sens	5361		
ROB5364	Emerald Green		201	Gollen (3.785 II	mil	
ROB5365	Chrome Oxide (	Green	TTI 1		11: 1	,
ROB5366	Lemon Yellow		These colo like metal.			OK
ROB5367	Golden Yellow		know what			
ROB5368	Purple					
ROB5369	Magenta					
ROB5371	Phthalo Green	Bright				Antique
ROB5372	Sky Blue	Gold	Gold	Silver	Copper	Gold
ROB5373	Phthalo Blue	Metall	ic Colors	in Qua	rt Size	
ROB5383	Bright Gold	ROB5	383QT	Bri	ght Gol	d
ROB5384	Gold	ROB5	384QT	Go	ld	
ROB5385	Silver	ROB5	385QT	Sil	ver	
ROB5386	Copper	ROB5	386QT	Co	pper	
ROB5387	Antique Gold	ROB5	387QT	An	tique Go	old

## Rosco Off Broadway Paint - Five Gallon Cans

Color
White
Black



## **Rosco Super Saturated Paint**

- Brilliant, opaque colors formulated to be diluted with substantial quantities of water while retaining binder strength
- Works on most scenic surfaces including muslin, plastic and metal
- Dries completely matte

#### 1 Quart

- 6			
Cat. #	Color	Cat. #	Color
RSS5965QT	Red	RSS5983QT	Raw Sienna
RSS5968QT	Green-Shade Blue	RSS5984QT	Orange
RSS5969QT	Ultramarine Blue	RSS5985QT	Burnt Umber
RSS5971QT	Chrome Green	RSS5987QT	Burnt Sienna
RSS5973QT	Phthalo Green	RSS5988QT	Lemon Yellow
RSS5975QT	Magenta		Turquoise Blue
RSS5977QT	Spectrum Red		Prussian Blue
RSS5979QT	Purple	RSS5991QT	Navy Blue
RSS5980QT	Iron Red		Leather Lake
RSS5981QT	Chrome Yellow	RSS5994QT	
RSS5982QT	Yellow Ochre		



## **Rosco Iddings Deep Color Paint**

- This casein/fresno paint system offers a wide range of theatrical colors with substantial amounts of pigment
- Designed to be diluted with large quantities of water without losing brilliance or color tone
- Protein based therefore it has a limited shelf life

	Gallon	Quart	5 Gallons
Color	Cat. #	Cat. #	Cat. #
Priming White	*RID5550	N/A	RID555050
White	RID5551	RID5551QT	RID555150
Black	RID5552	RID5552QT	RID555250
Yellow Ochre	RID5553	RID5553QT	N/A
Burnt Umber	RID5554	RID5554QT	N/A
Raw Sienna	RID5555	RID5555QT	N/A
Burnt Sienna	RID5556	RID5556QT	N/A
Raw Umber	RID5557	RID5557QT	N/A
Van Dyke Brown	RID5558	RID5558QT	N/A
Ultramarine Blue	RID5559	RID5559QT	N/A
Red	RID5560	RID5560QT	N/A
Dark Red	RID5561	RID5561QT	N/A
Bright Red	RID5562	RID5562QT	N/A
Orange	RID5563	RID5563QT	N/A
Emerald Green	RID5564	RID5564QT	N/A
Chrome Oxide Green	RID5565	RID5565QT	N/A
Lemon Yellow	RID5566	RID5566QT	N/A
Golden Yellow	RID5567	RID5567QT	N/A
Purple	RID5568	RID5568QT	N/A
Magenta	RID5569	RID5569QT	N/A
Turquoise Blue	RID5570	RID5570QT	N/A
Dark Green	RID5571	RID5571QT	N/A
Cerulean Blue	RID5572	RID5572QT	N/A
Navy Blue	RID5573	RID5573QT	N/A
* This product is actual	ally 2 gallons		

#### **Rosco Concentrated Bases**

		~~~
Cat. #	Color	Sizes
RCB6001	Neutral	Gallon
RCB60025G	White	5 gallon bucket
RCB6002	White	Gallon
RCB6003QT	Velour Black	Quart
RCB60035G	Velour Black	5 gallon bucket
RCB6003	Velour Black	Gallon

# Spray Paints & Products

## **Krylon InteriorExterior Spray Paints**

- Exceptional performance indoors and out creates a smooth, professional finish that lasts
- "No runs, no drips, no errors" formula
- · Dries in minutes, excellent adhesion
- 11 oz. net wt.

#### In stock

KR1614

Cat #	Color	_	Name of Street, or other Designation of the last of th
KR1315	Primer White		
KR1316	Primer Black		
KR1317	Ruddy Brown		Б 0
KR1318	Gray Primer (Sandal	ble)	For Spray
KR1350	Zinc Rich Primer		Adhesives
KR1401	Bright Silver		see page 65 of
KR1403	Dull Silver		1 0
KR1406	Silver Metallic		Adhesion Section.
KR1501	Glossy White		
KR1502	Flat White		
KR1505	High Heat White		
KR1506	Almond		
KR1601	Glossy Black (OSH	A Safety	Black)
KR1602	Ultra Flat Black		
KR1604	Shadow Gray	Paint	Paints & Products
KR1605	Dove Gray (Stone)	are co	nsidered
KR1607	Oyster Gray		
KR1613	Semi-Flat Black	Dange	erous Goods. If we

High Heat Black

Copper Metalic

Brass Metalic

Beige (Khaki)

Lemon Yellow

Green

Blue

its & Products lered s Goods. If we ship by any air service, therewill be additional

handling fees. We suggest

shipping via ground.

KR1701 Bright Gold Gold Metallic KR1706 School Bus Yellow KR1809 KR1901 Regal Blue Navy Blue KR1907 KR1910 True Blue KR1913 Purple KR2001 Hunter Green KR2101 Cherry Red KR2103 American Beauty Red KR2108 Banner Red KR2118 Burgundy



#### Also available

KR2203

KR2204

KR2504

KR3104

KR3108

KR3109

Cat #	Color
KR1813	Daisy Yellow (OSHA Safety Yellow)
KR1929	Plum Purple (OSHA)
KR2012	Clove Green (OSHA)
KR2410	Popsicle Orange (OSHA)
KR2501	Leather Brown (OSHA)

In an effort to prevent graffiti, we reserve the right not to sell to any individual or company we are not 100% confident is using spray paints for professional purposes.



### **Crystal Clear** #KR1301

- An acrylic spray coating goes on clear, stays clear
- Protects wood, metal, plastic, ceramic, fabric and paper surfaces permanently





### **U.V. Crystal Clear** #KR1305

• Protects against damaging U.V. lights rays.

## **Matte Finish**

#### #KR1311

- Produces a permanent, non-gloss finish that eliminates glossy sheen and light reflection on black and white or color surfaces.
- · Creates a soft satin finish.

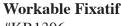




## **Dulling Spray**

#### #KR1310

- For a temporary, dull finish, Krylon Dulling Spray coats evenly and effectively, reducing shine on items to be photographed or videotaped
- · Simplifies lighting arrangements, wipes off easy

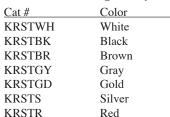


#### #KR1306

- Prevents smudging
- · Erase through the coating to rework



## Kryolan Color Spray Washable/Temporary





# Glitter, Paper & Dye



- Used for painting or dyeing draperies, muslin, canvas, and permanent drops and scrims
- Can also be used to mix with scenic paint and whiting
- To prevent spreading of the dye when painting, thicken it with Methocel, Gelatin Glue, Dextrine or Starch
- Wear protective gloves to protect skin this will dye skin better than fabric and it is difficult to remove from skin
- We recommend wearing a mask or respirator when handling dye

110 1000	minena wearing	a mask of respirator	4 oz. jars	1 lb. cans
Color	Description		Cat. #	Cat #
Blue	Italian Testing	aqua	AD51	AD51LB
Blue	Imperial	medium	AD51 AD52	AD51LB AD52LB
Blue	Prussian	intense, navy	AD52 AD53	AD52LB AD53LB
Blue	Ultramarine	bright, medium	AD55 AD54	AD53LB AD54LB
Blue	Cobalt		AD54 AD55	AD54LB AD55LB
Blue	Celestial	bright, med-dark	AD55 AD56	AD55LB AD56LB
	_	dark grey-blue	AD50 AD57	
Brown	Van Dyke	very dark, intense		AD57LB
Brown	Golden	brown yellow	AD58	AD58LB
Black	Deep Black	44	AD59	AD59LB
Green	Jade	dark green	AD60	AD60LB
Green	Emerald	med yellow-green	AD61	AD61LB
Green	Patent	med blue-green	AD62	AD62LB
Green	Moss	light yellow-green	AD62A	AD62ALB
Green	Saphite Green	lime	AD80	AD80LB
Green	Olive	drab	AD90	AD90LB
Orange	Orange Lake	medium orange	AD63	AD63LB
Purple	Purple Lake	reddish	AD64	AD64LB
Purple	Violet	bluish	AD65	AD65LB
Pink	French Pink	turkey red	AD91	AD91LB
Red	Eosine	orange red	AD66	AD66LB
Red	Pink	light fuschia	AD67	AD67LB
Red	Solferino	medium blue-red	AD68	AD68LB
Red	Magenta	medium fushcia	AD69	AD69LB
Red	Dark Magenta	deep blue-red	AD70	AD70LB
Red	Scarlet	light orange red	AD71	AD71LB
Red	Poppy	med-dark blue-red	AD72	AD72LB
Red	Flag Red	dark orange red	AD73	AD73LB
Red	Crimson	deep red	AD74	AD74LB
Red	Maroon	dark blue-red	AD75	AD75LB
Yellow	Lemon	brilliant	AD76	AD76LB
Yellow	Topaz	medium yellow	AD77	AD77LB
Yellow	Indian	lt brownish yellow	AD78	AD78LB
Yellow	Golden	orange-yellow	AD79	AD79LB
Yellow	Yellow Ochre	lt mustard yellow	AD84	AD84LB
Brown	Bismark	rust	AD81	AD81LB
Brown	Raw Umber	dark greyed-brown	AD82	AD82LB
Brown	Dark Walnut	dark brown	AD83	AD83LB
Brown	Br. Mahogany	dark red brown	AD86	AD86LB
Brown	Raw Sienna	light golden brown	AD87	AD87LB
Brown	Burnt Umber	dark brown red	AD88	AD88LB
Brown	Burnt Sienna	med red brown	AD89	AD89LB



#### Scenic Glitter

- Used for accenting costumes, adding life to wigs, making "magic dust," and creating the illusion of ice (frosted)
- We sell industrial grade glitter. Wear heavy gloves when handling this glitter as it can it can cut you if not properly used
- The size of the flakes vary, but the overall effect is the same regardless of the flake size

Cat. #	Color
SG92	Silver
SG93	Gold
SG94	Red
SG95	Blue
SG96	Green
SG97	Black
SG98	Frosted

## **Bogus Paper**

- Used to protect the floor when you paint a drop.
- Very absorbant, prevents paint from puddling and actually helps the drop dry faster
- Do not use when applying jeso, fabric will stick to the Bogus Paper

Cat. #	Roll Width	Quantity
PCBP36	36"	50 lb/roll 800 ft
PCRP48	48"	50 lb/roll 800 ft

## Kraft Paper

• Sold by the roll - 800 ft

Cat. # Roll Width

PCKP24 24"

PCKP36 36"

PCKP48 48"

PCKP72 72"



## **Reinforced Kraft Paper**

#### #PCRKP48

- An easy to install product for protecting floors from spills, staining and dirt. Reinforced Kraft Paper consists of two layers of high strength kraft paper reinforced with a double layer of fiberglass.
- 48" wide; 300 feet per roll

## Wax Paper

- Placed between scenery flats when shipping to protect the paint from rubbing off.
- Can also be used as a tracing paper. Won't repel ink.

<u>Cat.</u> #	Roll Width	Quantity
PCWP24	24"	600
PCWP36	36"	600
PCWP48	48"	600

# Paint Brushes & Supplies

#### **Mutual Paint Brushes**

• Great buy because you are buying directly from the manufacturer. · Professional quality



Premium White Scenic Fitches			
Cat. #	Size	Hair Length	
PB08	1/4"	1 5/6"	E-D
PB09	1/2"	1 13/16"	37
PB10	3/4"	2 1/16"	
PB11	1"	2 3/8"	
PB12	1 1/4"	2 1/2"	
PB13	1 1/2"	2 11/16"	



Cat. #	Size	Hair Length
PB15	3"	3 1/16"
PB16	4"	3 1/16"

## **Priming Brushes**

Cat. #	Size	Hair Length
PB21	7"	3 5/6"

#### **Rosco Paint Brushes**

• Professional quality, but economically priced

• All brushes feature a seamless ferrule and natural bristles

#### **Rosco Scenic Brushes**

	Ferrule	Bristle
Cat. #	Width (In.)	Length (In.
RID5610	1/4	1 1/2
RID5611	1/2	1 3/4
RID5612	3/4	2
RID5613	1	2 1/4
RID5614	1 1/4	2 1/2
RID5615	1 1/2	2 3/4
RID5616	2	3
RID5618	3 - Foliage	3 1/2



#### Rosco Scenic Brush Sets

Cat. #	Description
RID5617	7 pc Brush Set 1/4" to 2" Fitches
RID5619	8 nc Brush Set 1/4" to 3" Fitches

### **Drop Cloths**

Cat. #	Size	Type
PCDC12x15	12' x 15'	Hvy Duty Canvas
PCDC9x12	9' x 12'	Hvy Duty Canvas
PCDCP9x12	9' x 12'	Plastic



## **Chip Brushes**

• Cheap, disposable paint brushes

<u>Cat. #</u>	Size (width)	
PBC12	1/2"	
PBC1	1"	
PBC2	2"	ACTIO
PBC3	3"	
PBC4	4"	THE PERSON NAMED IN

#### Foam Brushes

Cat. #	Size
PBFB3	1"
PBFB9	2"
PBFB3	3"
PBFB4	4"



Accepts 9" rollers

#PCPT



## **Paint Tray** Liners

#PCTL

• Fits most paint trays



## EZ Grip Painter's Tool

• Used as a chisel scraper, spreader, roller, cleaner, nail setter, utility knife

and nail puller

## **Roller Frames**

Cat. #	Size (width)
PCRF3	3"
PCRF9	9"

#### Roller Sleeves

	DICC TOD
Cat. #	Size (width)
PCRS3	3"
PCRS9	9"



## **Roller Frames Long Handle**

Cat. # Size (width) PCRF3L

## **Deluxe Paint Set**

#PCDPS

• Contains paint roller, frame and tray. You will be ready to roll!

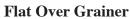


# Davinci Scenic Brushes



## **Pipe-Over Grainer**

		remule
Cat. #	Size	Width (In.)
PBD2466-30	30	1.25
PBD2466-40	40	1.5
PBD2466-50	50	2
PBD2466-60	60	2.5
PBD2466-80	80	3.5
PBD2466-100	100	4



		Ferrule
Cat. #	Size	Width (In.)
PBD2469-30	50	2



### Mottler

		Ferrule
Cat. #	Size	Width (In.)
PBD538-25	25	1
PBD538-50	50	2
PBD538-70	70	3



## **Wavy Mottler**

-		Ferrule
Cat. #	Size	Width (In.)
PBD2468-60	60	2.5
PBD2468-70	70	3
PBD2468-100	100	4
PBD2468-110	110	4.5
PBD2468-120	120	5
PBD2468-150	150	6



## **Traditional Dagger**

Cat. #	Size
PBD700-0	0
PBD700-1	1
PBD700-2	2
PBD700-3	3
PBD700-4	4



Cat. #	Size	
PBD701-0	0	
PBD701-1	1	
PBD701-2	2	
PBD701-3	3	
PBD701-4	4	



### Fan Blender

		remule
<u>Cat. #</u>	Size	Width (In.)
PBD408-1	1	2.5
PBD408-2	2	2.75
PBD408-3	3	3-1/8
PBD408-4	4	3 9/16
PBD408-12	12	4-1/8
PBD408-16	16	4.75

### **Bristle Blender**

		Ferrule
Cat. #	Size	Width (In.)
PBD99-50	50	2
PBD99-60	60	2.5
PBD99-70	70	3



## **Pure Bristle Blender**

		Ferrule
Cat. #	Size	Width (In.)
PBD96-40	40	1.5
PBD96-50	50	2
PBD96-60	60	2.5
PBD96-70	70	3
PBD96-100	100	4
PBD96-120	120	5



		Ferrule
Cat. #	Size	Width (In.)
PBD2491-40	40	1.5
PBD2491-50	50	2
PBD2491-60	60	2.5
PBD2491-70	70	3
PBD2491-80	80	3.5
PBD2491-100	100	4



## Paint Sprayers

## **Industro Poly Sprayers**

- Thick Corrosion Resistant Poly Tank
- Viton® Seals for maximum chemical resistance
- Goodyear® Chemical Resistant Hose
- Brass Thrustless™ On/Off Valve-Lasts longer, shuts off quickly
- Strong Brass 18" Extra Large Aperture Spray Wand
- Brass Tee-Jet Fan Nozzle
- HPP™ High Performance Pump with Metal D Handle
- 1 Year Warranty

Cat. #	Capacity	Max Fill
HSI2P	2 gallons	1.5 gallons
HSI3P	3 gallon	2 gallons



## **Industro Sprayers**

- Stainless Steel Tank cleans up easily
- · Kem-Oil® Chemical Resistant Hose
- Brass Thrustless™ On/Off Valve-Lasts longer, shuts off quickly
- Strong Brass 18" Wand
- Brass Tee-Jet Fan Pattern Nozzle
- Separate opening allows filling without removing pump
- Brass Pump Stands up to hot water
- 1 Year Warranty

<u>Cat.</u> #	Description	Capacity	Max Fill
HSI3S	Stainless Steel	3 gallons	2 gallons
HSI4S	Stainless Steel	4 gallons	3 gallons
HSI3G	Galvanized	3 gallons	2 gallons
HSI3G	Galvanized	4 gallons	3 gallons

## **Hudson Sprayer Maintenance Kits**

- Convenient, pocket-size kits contain key parts for easy, in-field maintenance
- · No tools required

Cat. #	Sprayer
HSP91203	Industro-poly tanks (models #HS12P - #HS13P)
HSP91210	Industro-steel tanks (models #HS13G - #HS14S)
HSP6985	Bugwiser & SPS 9 models #HSB1P - #HSB3P)
HSP91209	Expert (model #HSP93794)

## P-50 Scenic Sprayer **#HS223**

- This hand held sprayer is durable and versatile
- · Precision pumping system with a safety release valve.
- Injection molded components. The container, once pressurized by 15-20 pumps, can spray half of the tanks contents (approx. 24 fl oz.)
- Working Pressure: 60 psi
- Tank Capacity: 50 oz.
- Working Capacity: 48 oz.

Mutual Hardware introduced this sprayer to the industry over a decade ago!









### **Bugwiser® Sprayers**

- Hudson's most economical sprayer
- Stable 6-footed tank with a large funnel top
- Braided power style hose
- Strong Brass Wand 12" on #HSB1P and 18" on #HSB2P and #HSB3P
- Brass Cone Nozzle adjustable from mist to long range spray
- HPP™ High Performance Pump with comfortable glove sized handle
- 5 Year Warranty

Cat. #	Capacity	Max Fill
HSB1P	1.3 gallons	1 gallon
HSB2P	2 gallons	1.5 gallons
HSB3P	3 gallon	2 gallons

### **#HSP93794**

## X-Pert Sprayers

- Stainless Steel Tank
- Viton® Seals for maximum chemical resistance
- T Braided Power Style Hose
- Drip-Not® Metal On/Off Valve-shuts off at nozzle
- Strong Brass 2" Spray Wand
- Tee-Jet Nozzle
- Pressure gauge with large view dial
- 1 Year Warranty

## **Hudson Sprayer Parts & Accessories**

• Please allow two to three weeks for delivery.

Cat. #	Description	For Sprayer
HSP69940	Nickel plated brass cone	Bugwiser & SPS
HSP115405	Brass flat fan nozzle	Bugwiser
HSP143510	Multi-Spray cone nozzle	Industro
HSP147132	Hand Pump Assembly	Bugwiser
	•	-

## Gloria Sprayer **#HS259**

- Tripped out version of the P-50 Sprayer
- The Gloria features a brass tip nozzle that pivots and won't corrode.
- Hose attachment included



#### Maintenance Kits

Traditional Lates	
Cat. #	For
HS223MK	P-50 Sprayer
HS259MK	Gloria Sprayer

# Molding Compounds & Tools

## **Sculpt or Coat®**

- A thick white cream that is easy to spread, comb, dab, pat, sponge, brush, or smooth on with your hands
- · Allows fabric to be molded and sculpted to near rigid forms
- By combining materials with Sculpt or Coat, you can create an infinite variety of mediums
- If applied thin, coating is clear; if applied thick, coating is translucent
- Non-toxic; safe enough to use with children

Ouantity
Quantity
Quart
1 Gallon Pail
5 Gallon Pail



#### **Plastic Varnish**

- A non-toxic, easy to use, plastic liquid
- · Gives objects a tough glossy finish
- Dries in minutes

Cat #	Description	Quantity
MCPVF1	Plastic Varnish - Flat	1 Gallon Pail
MCPVF5	Plastic Varnish - Flat	5 Gallon Pail
MCPVG1	Plastic Varnish - Gloss	1 Gallon Pail
MCPVG5	Plastic Varnish - Gloss	5 Gallon Pail



#### **Solvoset**

### The New Celastic

- Compared to the old Celastic, Solvoset sticks better to itself but takes alot longer to dry
- Simply submerge the strips in Acetone and shape on any mold covered with aluminum foil
- · No release agent necessary
- Medium weight only
- Width: 57" Sheet Size: 20" x 57"

## Klean Klay

#### #MC1

- Can be used over and over with no loss of pliability
- · Natural in color
- Water soluble
- Picture shown equals 3 lbs of Klean Klay
- Sold by the pound.

### Roma Plastalene

- A non-hardening, oil-based clay
- · Dark green color

Description MC2 Soft



## Friendly Plastic

• Ideal for making precise fitting masks directly on actors' faces, as an under structure for foam latex masks, to make: armor, swords, helmets, puppets, teeth for puppets, etc.

Cat #	Description
. COPPRAG	***** ** ** 4 0/

MCFPP28 White Pellets 1 3/4 lb. jar

#### Theatremold

- An excellent molding clay used to make trees, rocks, columns, statues, walls, stone effects, etc.
- Molded objects are heavier than Papier Mache and dry to a hard, almost rock-like surface that can be sanded smooth and drilled.
- Takes paint very well.
- One of the easiest materials to work with. Dries quickly.

Cat #	Description
MCTM05	5 lb. bag
MCTM50	50 lb. bag



- Thermoplastics are completely safe, non-toxic, easy to use (requires hot water or a heat gun to form) fast setting, and can be reheated for reshaping and re-using.
- An open mesh thermoplastic material.
- Great for masks, costumes, special effects, crafts, substructures, amateurs, etc.

# Corded Jig & Reciprocating Saws

## **Bosch Jig Saw** #PTB1587AVSK

#### Features:

- 5 Amps, 500-3, 100 SPM
- Tool free blade change system for fast and easy blade changes
- Exclusive multidirectional blade clamp mechanism for superior blade hold
- Low vibration design ensures extremely smooth operation
- 4stage orbital action adjusts blade motion to match workpiece and cutting task
- Low position roller guide ensures blade stability and precise cutting
- 3 position dust blower
- Adjustable diecast aluminum footplate
- Variable speed control dial sets maximum speed. Trigger controls operating speed.

-	T' C DI		_		
<b>1-Shank</b>	Jig Saw Blade	Overall	Blade	Blade	Teeth per
Cat. #	Туре	Length	Height	Thickness	Inch
PTBST234X	Progressor for Wood	4 1/2"	0.37"	0.06"	Progressive
PTBST111C	Basic for Wood	4 "	0.3"	0.05"	8
PTBST119BO	Basic for Wood	3 "	0.15"	0.04"	12
PTBST144D	Speed for Wood	4 "	0.28"	0.05"	5-6
PTBST344D	Speed for Wood	6 "	0.36"	0.05"	6
PTBST244D	Speed for Wood	4 "	0.24"	0.05"	6
PTBST301DL	Speed for Wood	5 "	0.36"	0.06"	6
PTBST144DF	Speed for Wood	4 "	0.3"	0.05"	5-6
PTBST344DF	Speed for Wood	6 "	0.37"	0.05"	6
PTBST101AO	Clean for Wood	3 "	0.17"	0.05"	20
PTBST101B	Clean for Wood	4 "	0.28"	0.06"	10 var gull
PTBST101BR	Clean for Wood	4 "	0.28"	0.06"	10
PTBST101D	Clean for Wood	4 "	0.28"	0.06"	5-6
PTBST301CD	Clean for Wood	4 5/8"	0.28"	0.06"	8
PTBST101BF	Clean for Hardwood	4 "	0.3"	0.05"	10
PTBST101DP	Precision for Wood	4 "	0.28"	0.07"	6
PTBST144DP	Precision for Wood	4 "	0.28"	0.07"	6
PTBST344DP	Precision for Wood	4 "	0.28"	0.07"	6
PTBST123X	Progressor for metal	4 "	0.34"	0.04"	Progessive
PTBST118A	All Purpose-Basic Metal	3 "	0.3"	0.04"	17-24
PTBST118B	All Purpose-Basic Metal	3 "	0.3"	0.04"	11-14
PTBST118G	All Purpose-Basic Metal	3 "	0.3"	0.04"	36
PTBST218A	All Purpose-Basic Metal	3 "	0.25"	0.04"	24
PTBST318A	All Purpose-Basic Metal	5 1/4 "	0.37"	0.04"	24
PTBST118AF	All Purpose-Flexible Metal	3 "	0.3"	0.04"	24
PTBST118BF	All Purpose-Flexible Metal	3 "	0.3"	0.04"	14
PTBST118EF	All Purpose-Flexible Metal	3 "	0.3"	0.04"	18
PTBST227D	All Purpose-Special Alum	4 "	0.25"	0.04"	8
PTBST127D	All Purpose-Special Alum	4 "	0.3"	0.04"	8
PTBST127DF	All Purpose-Special Alum	4 "	0.3"	0.04"	8
PTBST111CF	All Purpose-Wood w/Nails	4 "	0.3"	0.04"	8
PTBST101A	Special for Plexiglass	4 "	0.28"	0.05"	14
-		_			



Top Handle Jig Saw, Footplate Adjustment Hex Key, Steel Footplate Insert, 9 Assorted Blades (T101DP, T118A, T144D, T101AD, T101BK, T118G, T123K, T234X, T345XF) and a Carrying Case

#HTBST111C



#HTBST345X

## Reciprocating Saw Blade - 5 per tube

receipt oc.		*** ***	auc c p	ci tabe			
Cat. #	Туре	Length	Teeth/Inch	Cat. #	Type Length	Teeth/Inch	_
PTBS410	Bi-Metal	4"	10	PTBS906	Bi-Metal	9"	6
PTBS414	Bi-Metal	4"	14	PTBS910	Bi-Metal	9"	10
PTBS418	Bi-Metal	4"	18	PTBS914	Bi-Metal	9"	14
PTBS424	Bi-Metal	4"	24	PTBS918	Bi-Metal	9"	18
PTBS606	Bi-Metal	6"	6	PTBS1010	Bi-Metal	10"	10
PTBS610	Bi-Metal	6"	10	PTBS1014	Bi-Metal	10"	14
PTBS614	Bi-Metal	6"	14	PTBS1018	Bi-Metal	10"	18
PTBS618	Bi-Metal	6"	18	PTBS1205.5MC	Master Cobal	t 12"	5.:
PTBS624	Bi-Metal	6"	24	PTBS1210	Bi-Metal	12"	10
PTBS810	Bi-Metal	8"	10	PTBS1214	Bi-Metal	12"	14
PTBS814	Bi-Metal	8"	14	PTBS1218	Bi-Metal	12"	18
PTBS818	Bi-Metal	8"	18	PTBS1210MC	Master Cobal	t 12"	10
PTBS824	Bi-Metal	8"	24	PTBS1214MC	Master Cobal	t 12"	14
PTBS905.5MC	Bi-Metal	9"	5.5	PTBS1218MC	Master Cobal	t 12"	18



# Reciprocating, Dry Cutter & Miter Saws

## **Dewalt Reciprocating Saw Kit**

#### #PTDW310K

and increased reliability

#### Features:

- 12 Amp motor delivers increased power for heavyduty applications
- 0-2,700 SPM and 1 1/8" stroke length for fast and efficient cutting
- Keyless stainless steel blade clamp for quick and easy blade changes
- Keyless adjustable shoe easily adjusts depth of cut and extends blade life
- Variable speed trigger provides control and increased versatility
   Kit Includes: Heavyduty carrying case and instruction manual



## Jepson Dry Cutter

#### #PTJ9312S

The Jepson dry cutter is built for speed. It has a powerful high torque 2,000 Watt motor that allows for continuous operation through the heaviest guage material. A patented quick release vice design will allow for maneuverability and maximum efficiency. A variety of built-in safety and durability features to ensure smooth operation and long tool life. Specially designed dry carbide tipped saw blade is perfect for precision cutting of metal and plastic applications without lubricants or manual deburring. AC-DC

#### **Specifications:**

- 2000 Watts / 115 V / 15 Amp
- 1500 RPM
- Blade Diameter.....12"
- Arbor.....1"
- Overall Length: 13 9/16" x 22 7/8" x 14 13/16"
- Weight: 41.8 lbs

#### **Standard Equipment Includes:**

1 Dry Cutter Blade (60 T), 1 Hex Wrench, 1 Goggle

## Replacement Carbide Tipped Blade (1800 RPM)

Tool Length: 18"Weight: 8.6 lbs

<u>Part#</u>	Specifications	<u>Usage</u>
PTJ1404016	12" x 1" x 60T	Metal
PTJ1404018	12" x 1" x 80T	Stainles

# Dewalt 12" Double Beveling Sliding Compound Miter Saw

#### #PTDW718

#### **Features:**

- Powerful 15 Amp, 3,600 rpm motor delivers extended power and durability
- Adjustable stainless steel miter indent plate with 10 positive stops improves productivity and ensures cutting accuracy
- Precise Miter System and Machined Base Fence optimizes cutting accuracy
- Tall sliding fences support crown molding up to 6-5/8" nested and base molding up to 6-1/2" vertically against the fence while easily sliding out of the way for bevel cuts
- Innovative gearbox and belt-drive design increases vertical cutting capacity
- Single lever action double bevel design easily bevels left and right 0° to 48° with positive stops at 0°, 22.5°,33.9° and 45° in both direction permitting user to flip the saw and not the material
- Exclusive Back Fence Design cuts up to 2 x 16 dimenional lumber at 90° and 2 x 12 at 45°
- Miters 60° to the left and 50° to the right provides increased capacity
- Dual horizontal steel rails with innovative clamping mechanism and linear ball bearings deliver an accurate, durable and compact saw.
- Camlock miter handle with detent override delivers quick and accurate miter angles
- Compact, lightweight design (53 lbs.) allows for easy transport and storage
- Designed to work with Miter Saw Laser System which delivers visibility of the cutting path
- One Year Free Service 3 Year Limited Warranty
- Kit includes: carbide blade, blade wrench, dust bag and vertical material clamps

## Specifications: • 15 Amps

Arbor Size	5/8"	or	1'
------------	------	----	----

• No Load Speed......3,600 rpm

• Blade Diameter.....12"



## Corded Circular Saws

## Morse 9" Metal Circular Saw

#### PTMCSM9MB

#### **Features:**

- Laser Guide
- 0° to 45° Beveling
- Overload Switch
- Chip Collection Chamber
- 8' Power Cord
- Retractable Blade Guard
- Durable carrying case
- One Year Warranty

#### **Specifications:**

- 1800 Watts / 110 V / 60 Hz / 15 Amp
- No-Load Speed......2500 RPM
- Blade Diameter.....9"
- Arbor.....1"
- Box Dimensions: 18 1/2" H x 23 1/4" L x 16" W
- Weight: 19.75 lbs

#### **Cutting Capabilities:**

Maximum Cutting Reach3	1/4"
Maximum Thickness of Cut(Mild Steel)	3/8"
Bevel Cut	45°

#### **Standard Equipment Includes:**

Carrying Case, Laser Guide, Side Handle, Length Adjuster, Overload Switch, Retracting Blade Guard, Metal Chip Collection Cover, Wrench attached to unit, Spindle Lock for easy blade changes, Safety Goggles, Ear Plugs, Morse Metal Devil® Steel Cutting Blade CE, EMC, ISO9002, UL, CSA, ANSI safety Cerified



## Morse 7" Metal Circular Saw PTMCSM7MB

#### Features:

- External Overland Switch
- Chip Collection Chamber
- Retractable Blade Guard
- 8' Power Cord
- Durable carrying case
- One Year Warranty

#### **Specifications:**

- 1080 Watts / 110 V / 60 Hz / 11 Amp
- No-Load Speed......3500 RPM
- Blade Diameter.....7"
- Arbor......20mm
- Box Dimensions: 18 1/2" H x 23 1/4" L x 16" W
- Weight: 13 lbs



Each Saw Equipped With 1 Steel Cutting Metal Devil® Carbide Tipped Saw Blade!

#### **Cutting Capabilities:**

Maximum (	Cutting Reach		2.36
Maximum T	Thickness of Cut(N	Mild Stee	1) 1/4"

#### **Standard Equipment Includes:**

Carrying Case, Overload Switch, Spindle Lock for easy blade changes, Retracting Blade Guard, Metal Chip Collection Cover, Length Adjuster, Side Handle, 6mm Hex Key, Safety Goggles, Ear Plugs, Morse Metal Devil® Steel Cutting Blade

CE, EMC, ISO9002, UL, CSA, ANSI safety Cerified

## Porter Cable 7 1/4" Wood Blade-Right Circular Saw

#### #PTP324MAG

#### Features:

- Quik-Change™ keyless blade change offers tool-less blade changes in seconds.
- Magnesium construction provides more durability and lighter weight at 9.6 lbs.
- Aggressive cuts with a 15 amp motor at 5,800 RPM
- Soft grip handle for a comfortable fit.
- Versatility with its 0-50 degree miter capacity and a positive stop at 45 degrees.
- Magnesium base features quick referece 45 degree edge for marking material.
- On board cord clip keeps cord away from blade side of foot.
- 100% ball and needle bearings.
- Extended miter lip on lower guard for no-hang up cuts.
- Standard Equipment: Saw, 18T carbide tipped Razor™ blade, carrying case and operating manual.
- Available in lift side. Consult a sales representative.
- One Year Warranty



## **Nail-Cutting & Demolition Blades**

• Flat top grind, 5° negative hook

			'B'	'С'	
Cat. #	Dia	Teeth	Kerf	Plate	Bore
BTANC-820	7-1/4	14	.120	.078	*5/8-univ

## General Purpose Blades



			<b>.</b> B.	·C′	
Cat. #	Dia	Teeth	Kerf	Plate	Bore
BTAGP420	7-1/4	24	.120	.078	*5/8-univ
BTA610401	10	40	.126	.087	*30 mm
BTA610601	10	60	.126	.087	*5/8-univ

## Router Sanders

## Dremel 10.8V Rotary Tool

Rotary Too!

#### **Features:**

- Higher Speeds 5,000-35,000 RPM
- Cordless tool
- •Variable Speeds-Handles a greater range of applications with more precision.
- Over 150 attachments and accessories available.
- Battery Fuel Gauge-know when it's time to recharge
- High Capacity 10.8V Lithium-Ion Battery Pack

Contents: -10.8V Lithium-Ion Cordless Rotary Tool

- -Heavy Duty Storage Case
- -3 Hour Charger
- -Quick Start Book
- -Wrench



55 Ass	orted Accessories				
106	Engraving	414	Small felt wheel	430	Coarse 1/4" Sanding drum
150	Drill bit	415	Dressing stone	431	Coarse 1/4" sanding band (3)
191	High speed cutter	420	HD emery cut-off wheel	432	Fine 1/2" sanding band (3)
401	Mandrel	421	Polishing compound	438	Fine 1/4" sanding band (3)
402	Mandrel	422	Felt buff core	481	3/32" collet
403	Bristle brush	425	Emery wheel	511	Medium abrasive buff
407	Crs 1/2" sanding drum	426	Fiberglass cut-off wheel(2)	932	Aluminum oxide stone
408	Crs 1/2" sanding band(3)	428	Carbon steel brush	7134	Diamond wheel point
412	Med sanding discs (12)	429	Large felt wheel	83322	Silicon carbide stone
				85422	Silicon carbide sone

## Dremel Corded Rotary Tool

#PTD300-N/55

#### Features:

- Higher Speeds 5,000-35,000 RPM
- No other AC tool is faster. Let speed do the work.
- On Tool Wrench Storage
- Dove-Tail Feature-accommodates new attachments for additional functionality.
- Five times longer motor life.

Contents: -300 Series Variable Speed Rotary Tool

- -Mid-Size Storage Case
- -Accessory Case
- -Quick Start Book
- -Wrench

55 Ass	sorted Accessories				-0-
106	Engraving	414	Small felt wheel	430	Coarse 1/4" Sanding drum
150	Drill bit	415	Dressing stone	431	Coarse 1/4" sanding band (
191	High speed cutter	420	HD emery cut-off wheel	432	Fine 1/2" sanding band (3)
401	Mandrel	421	Polishing compound	438	Fine 1/4" sanding band (3)
402	Mandrel	422	Felt buff core	481	3/32" collet
403	Bristle brush	425	Emery wheel	511	Medium abrasive buff
407	Crs 1/2" sanding drum	426	Fiberglass cut-off wheel(2)	932	Aluminum oxide stone
408	Crs 1/2" sanding band(3)	428	Carbon steel brush	7134	Diamond wheel point
412	Med sanding discs (12)	429	Large felt wheel	83322	Silicon carbide stone
				85422	Silicon carbide sone

## **Porter-Cable Router**

#### **#PTPC690**

#### Features:

- 11 Amp, 27,500 RPM motor producing 1 3/4 Peak HP
- Cam lock lever enables simple coarse height adjustments and motor release
- Micrometer depth adjustor accurate to 1/128"
- Dust-sealed switch and sealed ball bearing construction enhances tool durability
- Precision machined aluminum motor housing & base
- Auto-release collet system enables simple bit removal
- Collets included to accept 1/4" and 1/2" shank bits
- Under the table stop prevents motor from inadvertently rotating out of the base



## Porter Cable 3" x 24" Sander

#### #PTP360

#### Features:

• Powerful 12.0 amp motor provides 20% more power than before

• Motor is located over platen for maximum performance and perfect balance.

• Belt & gear drive system transfers power from the motor to the sanding belt

- Belt speed of 1,500 SFM for rapid stock removal
- · Quick release belt-

change lever

- Fingertip belt-tracking knob for quick, accurate belt adjustments
- Large capacity dust collecting bag swivels 360° so it's never in the way during sanding
- User friendly design with ergonomically correct handles
- Standard Equipment: Sander, 100G ceramic aluminum oxide belt, dust bag assembly and operating manual



See Page 94 for Replacement Belts.

#### **Specifications:**

- •120 V / 25-60 Hz /120 VDC 12 Amp
- •Belt Speed......1,500 SFPM
- •Belt Size.....3" x 24" •Length.....14"
- •Weight.....14.5 lbs

## Corded Grinders & Drills

## **Bosch Angle Grinder**

#PTB1347A

#### Features:

- Specifically designed and angled to a "natural" position for maximum comfort and control
- 6 Amp, 11,000 RPM
- Lock-on/off switch for extended use applications
- Service Minder™ brushes Eliminates guesswork, stops the tool when preventative maintenance is required.
- Precision spiral bevel gears Quality engineering and construction for smooth power transmission
- 5/8" 11 Spindle For quick wheel changes.
- Spindle lock Wide flexibility for mounting most popular accessories
- 2 position auxiliary handle
- Double Insulated, UL Listed, complies to OSHA
- Includes: Guard, Auxiliary Handle, Flange Kit, Spanner Wrench and Abrasive Wheel



#### **Specifications:**

- •120V AC Amp
- •No Load RPM.....11,000
- •Wheel Diameter......4.5"
- •Weight......4.6 lbs

## Milwaukee Tools 1/2" Magnum Drill #PTM0234-6

#### Features:

- 5.5 amp motor, 0 to 850 rpm, trigger speed control with reversing
- · Heavy-duty industrial chuck
- 8 ft 3-wire Quik-Lok® cord with easy detachment for storage
- Exclusive brush cartridge system changes brushes in less than one minute
- Includes: Side Handle and Chuck Key with Holder
- Five Year Warranty



## **Ouik Drive G2 Auto Feed Screw Driving System**

### #PTQG2

#### Features:

- Sold with electric drill.
- Quik-Change™ keyless blade changer offers tool-less blade changes in seconds.
- Magnesium construction provides more durability and lighter weight at 9.6 lbs.
- Aggressive cuts with a 15 amp motor at 5,800 RPM
- Soft grip handle for a comfortable fit.
- Versatility with its 0-50 degree miter capacity and a positive stop at 45 degrees
- Magnesium base features quick referece 45 degree edge for marking material.
- On board cord clip keeps cord away from blade side of foot.
- 100% ball and needle bearings.
- Extended miter lip on lower guard for no hang up cuts.
- Standard Equipment: Saw, 18T carbide tipped Razor™ blade, carrying case and operating manual.
- Available in lift side. Consult a sales representative.
- Banana Clips™ are available for different applications, see screw section.
- One Year Warranty

New Banana Clip™ replaces long, heavy coils with easy to handle, light weight strips. They curve away from the material surface making it easier to drive from any angle.





# Compressors & Nailers

### Porter Cable Side Stack Compressor

#### #PTPC3101

#### Features:

- 5.3 SCFM for faster tank recharge of 4.3 gallon tank
- 150 PSI Max for longer tool run time
- 120 PSI cut-in pressure provides 30 psi "Bonus Air" before a 90 PSI tool becomes inoperable
- 1.6 (running) HP induction motor for long life
- High-Flo SM air regulator and push to connect coupler
- Full roll cage frame for pump and motor protection
- · Control panel is offset to avoid contact on job site
- Standard Equipment: Compressor, High-Flo SM air regulator and push to connect couplers and operating manual
- Weight: 19.75 lbs



## **Porter Cable Pancake Compressor**

#### #PTPC2150

#### Features:

- 1.2 HP (running) 4 gallon, mobile, contractor, "pancake" style tank air compressor.
- 15 Amp current required
- 12 Volts/60 Hz/1 Phase
- Large, easy to read, regulated air pressure guage
- Cushioned handle for improved comfort and grip
- Frame provides increased mobility, two pick-up points, and protection for pump and motor
- 4 gallon storage capacity air tank supports heavy usage of brad nailers, staplers, and finish nailers, moderate usage of roofing and framing nailers.
- One year limited warranty
- CUL listed with ASME safety valve to meet all codes
- · Oil free pump design for durability and no maintenance
- 150 PSI tank pressure for longer tool runtime.
- Air delivery 4.5 SCFM @ 40 PSI, 3.3 SCFM @ 90 PSI
- $\bullet$  80 dBA quiet operation (up to 50% quieter than 2 pole oil free models)
- High 120 PSI cut-in pressure provides 30 psi "Bonus Air" before a 90 PSI air tool becomes inoperable
- Four-pole, 1725 RPM induction motor for long life and quiet operation
- High-flo air regulator allows more work at higher pressure
- Universal High-Flo, push to connect coupler and air outlet
- Standard Equipment: 4 gallon 150 PSI Air Compressor, Frame provides increased mobility, ASME safety valve and operating manual
- Weight: 58 lbs

## PORTER CABLE FINISH NAILER KIT

### #PTPCFN250B

PORTER+ CABLE

#### Features:

- Uses 16 GA. finishing nails from 3/4" to 2 1/2"
- Steamlined body design for better grip, balance, and style
- Sturdy aluminum extruded magazine
- Internal piston catch mechanism keeps piston at initial position for consistent power
- Tool-free nail depth control
- Tool-free jam release mechanism designed not to block line of sight
- Tool-free adjustable exhaust
- Non-marring nose tip with on tool storage
- Standard Equipment: Nailer, carrying casebox of 1000 finishing nails of 2", 1/4" air fitting with dust cover, oil and operating manual
- Standard Equipment: Nailer, 1/4" air fitting with dust cover, carrying case, oil and operating manual
- Weight: 3 3/4 lbs.
- Shipping Weight: 8 lbs.
- Operating Pressure: 70-120 psi
- Firing Mode: Seq Fire
- Jam Clearance: Side Lever Type Quick Release note



## Nail Guns =

# PORTER CABLE ROUND-HEAD FRAMING NAILER KIT

#### #PTPCFR350A

#### Features:

- Uses 22 degree 2" to 3 1/2" x .113" to .148" plastic collated round-head framing nails
- Nail lockout mechanism alerts operator to reload tool
- Tool free adjustable exhaust
- Removable non-marring nose tip with on tool storage
- Delivers twice the life of previous tools
- Power to drive nails (up to 3 1/2" x .131") into engineered lumber
- Compact body design for better balance and style
- Consistent power on every shot with internal piston catch mechanism
- Selectable trigger restrictive or contact actuation mode
- Tool free adjustable depth of drive with detents for proper setting of nail heads
- Better balance with in line hard coat anodized magazine



Operating Pressure: 70-120 psi
Magazine Capacity: 64 Nails

#### PORTER CABLE NARROW CROWN STAPLE KIT

#### #PTPCNS150A

#### Features:

- Uses standard 18 Ga., 1/4" crown staples from 1/2" to 1 1/2" long
- Special hardened driver blade with quick release nosepiece
- Strong and light weight die-cast aluminum body
- Rugged top load magazine with hardened steel rail
- Contact safety located behind driver guide for stapling in tight spaces
- Tool free jam release mechanism designed not to block line of sight
- · Removable rubber nose cushion protects delicate work
- Standard Equipment: Stapler, 3/8" NPT air inlet with 1/4" air fitting with dust cover, carrying case, oil and operating manual
- Weight: 2 1/2 lbs.
- Shipping Weight: 8 lbs.
- Operating Pressure: 70-120 psi
- Firing Mode: Seq & Bump Fire
- Jam Clearance: Hinged Lever Type Quick Release Note

#### PORTER CABLE MEDIUM CROWN STAPLE KIT

#### #PTPCMS200

#### Features:

- Drives Senco Type "N" Wire 16 Ga. 7/16" crown construction staples from 1" to 2" long
- Powerful piston with Teflon® ring design that prevents cylinder bore scuffing lasts far longer than conventional "O" rings
- Tool free adjustable exhaust diffuser
- Open top-load hard coat anodized magazine with push button follower accommodates two 70 staple strips or three 50 staple strips
- Quick release nose piece for easy jam removal
- Tool free depth of drive adjustment to enable fastening without staple drive-through
- Standard Equipment: Stapler, 3/8" NPT air inlet w/ 1/4" air fitting with dust cover, carrying case, oil and operating manual
- Weight: 5 7/8 lbs.
- Shipping Weight: 13 lbs.
- Operating Pressure: 70-120 psi
- Firing Mode: Restrictive or contact actuation
- Jam Clearance: Lever Type Quick Release Nose



## **Drills** - Battery

#### **Dewalt Drill/Driver Kit**

#### #PTDW056K-2

#### Features:

- Compact size and weight allows access into tighter areas and reduced user fatigue
- 1,170 in/lbs. of maximum torque to perform a wide range of fastening applications
- 0-2,400 rpm/0-3,000 bpm for faster application speed
- Textured anti-slip comfort grip provides maximum comfort
- Durable magnesium gear case and all metal transmission for extended durability
- Heavy duty impacting mechanism directs torque to fastener with kickback

## 

### **Dewalt Drill/Driver Kit**

#### #PTDC759KA

#### Features:

- Compact size: fits into the tightest conditions
- Lightweight design (5.2 lbs.) minimizes user fatigue
- High performance motor delivers maximum power of 380 unit watts output
- Dual speed range: 0-450/0-1,500 rpm delivers optimal performance
- 1/2" single sleeve keyless ratcheting chuck for tighter bit grip
- Maximum durability and reliability withstands jobsite conditions
- One Year Free Service 3 Year Limited Warranty
- Kit includes: 1 hour charger, 2 18V batteries, double-ended screwdriver bit, heavy-duty kit box



#### **Specifications:**

• 18V

Maximum Power	380 UV	VО
---------------	--------	----

- # of Speed Settings......2
   Max RPM......0-450/0-1.500
- Clutch Setting......17
- Clutch Size......1/2"
- Clutch Type...plastic, single sleeve ratching
- Tool Weight......5.2 lbs



#### **Dewalt Drill/Driver Kit**

#### #PTDC987KA

#### Features:

- DEWALT high torque motor delivers 500 in/lbs of maximum torque
- XRP<sup>TM</sup> extended run time batteries provide long run time & battery life
- Patented 3 speed transmission features a max 3rd speed at 2,000 rpm
- 1/2" metal ratcheting chuck with carbide jaws helps to prevent bits from slipping
- Superior ergonomics provide optimal balance, comfort and control
- One Year Free Service 3 Year Limited Warranty
- Kit includes: 1 hour charger, 2 18V XRPTM batteries, 360° side handle, heavy-duty kit box

See Pages 94 -114 for Drill Bits.

#### **Specifications:**

- 18V
- Maximum Power.....420 UWO
- Max RPM.....0-450/0-1.450/0-2,000
- Clutch Type.....metal single sleeve ratching





## **Drills** - Battery



## **Dewalt Impact Wrench Kit**

#### #PTDW057K-2

#### **Features:**

- Compact size and weight allows access into tighter areas and reduced user fatigue
- 1,650 in/lbs. of max torque to perform a wide range of fastening applications
- 0-2,400 rpm/0-3,000 bpm for faster application speed
- Textured anti-slip comfort grip provides maximum comfort
- Durable magnesium gear case and all metal transmission for extended durability
- Heavy duty impacting mechanism directs torque to fastener with kickback
- One Year Free Service 3 Year Limited Warranty
- Kit includes: 1 hour charger, 2 18V XRP™ batteries, heavy duty kit box

### **Specifications:**

• 18V

•	Driver Size	1/2"	Square
•	No Load Speed	.0-2,40	00 rpm

- Impact/Min.....0-3,000 bpm
- Max Torque......1,650 in-lbs • Max Torque......138 ft-lbs
- Tool Weight......4.9 lbs
- Tool Length.....6-1/2"
- Shipping Weight......10.68 lbs

## Panasonic Drill/Driver Kit #PTPEY6535NOKW

#### Features:

- Based on four primary principles: cordless capability, power, lightweight, and ergonomic
- Lightweight design (4.8 lbs.) minimizes user fatigue
- This powerful drill driver delivers full torque at any speed, so full force can be applied while still maintaining control.
- Dual speed range: 0-450/0-1,500 rpm delivers optimal performance
- With an 18 stage clutch plus drill position, 1/2" snap on keyless chuck, variable speed control,impact and driver modes, electric brake and a quick-charging system, this high quality tool is ideal for general construction, plumbing, electrical installation work and carpentry.
- It sinks lag bolts and long deck screws with minimum twist resistance on your hand and arm and sets steel or concrete anchors in short order.
- One Year Free Service
- Kit includes: 1 hour charger, 2 15.6V batteries, heavy duty kit box

#PTPEY9230B 15.6V Battery

**#PTPEY0230B Quick Charger** 

	Panasonic ENTERING CITES
Specifications:	15.540730_

- •High Power Torque......286 in.lbs./Drill mode
- •High Power Torque.....1,100 in.lbs./Impact mode
- •High Power Torque......3,300 ipm./Impact mode
- •# of Speed Settings.....2
- •Max RPM.....0-2,200 Impact mode
- •Max RPM.....0-650 Impact mode
- Clutch Setting......18
- •Clutch Size......1/2"
- •Reversible.....Yes
- •Electric Brake.....Yes
- •Tool Weight......4.8 lbs

## **Dewalt XRP™ 18V Battery Pack**

#### #PTDC9096

- High capacity XRP™ battery has 40% more run-time than standard batteries.
- Powers entire Dewalt line of 18V tools allowing users to run multiple tools from the same battery pack.

## Dewalt 7.2V-18V Dual Port 1 Hour Charger #PTDW9216

- Charges two batteries in 1 hour or less, minimizing down time
- Charges all Dewalt 7.2v 18V batteries (except Univolt batteries) so users need only one charger for multiple cordless products.
- Dewalt 3-stage charging system provides maximum run-time and extands over all life of the battery
- Battery thermal protection system prevents charging batteries that are too hot or too cold which causes damage to the battery and a loss of run-time.
- · Diagnostics with 5 LED indicators to show battery charge status: charged, charging, power line problem, replace pack, and battery too hot or too cold

## **Dewalt 7.2V-18V 1 Hour Charger** w/Automatic Tune-Up Mode #PTDW9116

- Charges all Dewalt 7.2v 18V batteries (except Univolt batteries) so users need only one charger for multiple cordless products.
- Dewalt 3-stage charging system provides maximum run time and extends overall life of the battery
- Battery thermal protection system prevents charging batteries that are too hot or too cold which causes damage to the battery and a loss of run time.
- Diagnostics with 5 LED indicators to show battery charge status: charged, charging, power line problem, replace pack, and battery too hot or too cold

### **Dewalt 7.2V-18V 15 Minute Charger** #PTDW9117

- Charges two batteries in 1 hour or less, minimizing downtime
- Charges all Dewalt 7.2v 18V batteries (except Univolt batteries) so users need only one charger for multiple cordless products.
- Dewalt 3-stage charging system provides maximum run-time and extands overall life of the battery

## Screwdrivers & Claws



## 100 Plus® Standard Blade and Tip **Screwdrivers**

	Blade	Blade	Tip	Tip	Overall
Cat. #	Length	Diameter	Thickness	Width	Length
HT66-163	3"	7/32"	.032"	7/32"	6 3/4"
HT66-164	4"	1/4"	.037"	1/4"	8 1/4"
HT66-166	6"	5/16"	.042"	5/16"	11"
HT66-168	8"	3/8"	.050"	3/8"	13 1/4"
HT66-160	10"	3/8"	.060"	3/8"	15 1/4"
HT66-162	12"	3/8"	.060"	3/8"	17 1/4"



## 100 Plus® Square Blade/Standard Tip **Screwdrivers**

	Blade	Blade	Tip	Tip	Overall
Cat. #	Length	Diameter	Thickness	Width	Length
HT66-174	4"	1/4"	.037"	1/4"	8 1/4"
HT66-176	6"	5/16"	.042"	5/16"	11"
HT66-178	8"	3/8"	.050"	3/8"	13 1/4"
HT66-170	10"	3/8"	.060"	1/2"	15 1/4"
HT66-172	12"	3/8"	.060"	1/2"	17 1/4"

## 100 Plus® Light Blade/CabinetTip Screwdrivers

• Square shank allows the use of a wrench for added torque.

	Blade	Blade	Tip	Tip	Overall
Cat. #	Length	Diameter	Thickness	Width	Length
HT66-183	3"	3/16"	.030"	3/16"	6 3/4"
HT66-186	6"	3/16"	.030"	3/16"	9 3/4"
HT66-188	8"	3/16"	.030"	3/16"	11 3/4"
HT66-180	10"	3/16"	.030"	3/16"	13 3/4"
HT66-182	12"	3/16"	.030"	3/16"	15 3/4"



### #HTSDMB7V

- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Industrial strength 52 steel bits for longest service without breakage.
- slotted, No. 2 Phillips® x 9/32" slotted

## 100 Plus® Stubby

## **Screwdrivers**

• Blades are polished and chrome plated to resist rust

	Blade	Blade	Tip	Tip	Overall
Cat. #	Length	Diameter	Thickness	Width	Length
HT66-161	1 1/2"	1/4"	.037"	1/4"	3 1/2"



### Genuine Phillips® Screwdrivers

• Blades are polished and chrome plated to resist rust

	Blade	Point	Overall
Cat. #	Length	Size	Length
HTSDFP31	1 1/4"	#1	3 7/8"
HTSDFP33V	3"	#1	7 1/8"
HTSDFP33	3"	#1	7 1/8"
HTSDFP38V	8"	#1	12 1/8"
HTSDFP38	8"	#1	12 1/8"
HTSDFP41V	1 1/4"	#2	3 7/8"
HTSDFP41	1 1/4"	#2	3 7/8"
HTSDFP44V	4"	#2	8 3/4"
HTSDFP44	4"	#2	8 3/4"
HTSDFP46V	6"	#2	10 3/4"
HTSDFP46	6"	#2	10 3/4"
HTSDFP410	10"	#2	14 3/4"
HTSDFP56V	6"	#3	11"
HTSDFP56	6"	#3	11"
HTSDFP88	8"	#4	13"





#HTSDF44V

### **Mechanics Round Screwdrivers**

• Blades are polished and chrome plated to resist rust

	Blade	Tip	Overall
Cat. #	Length	Width	Length
HTSDF41V	1 1/4"	1/4"	3 7/8"
HTSDF41	1 1/4"	1/4"	3 7/8"
HTSDF44V	4"	1/4"	8 3/4"
HTSDF44	4"	1/4"	8 3/4"
HTSDF46V	6"	1/4"	10 3/4"
HTSDF46	6"	1/4"	10 3/4"
HTSDF410	10"	1/4"	14 3/4"
HTSDF56V	6"	5/16"	11"
HTSDF56	6"	5/16"	11"

## **Tack Claw**

• Overall Length: 7 3/8"



## Hammers & Pliers

# Stanley Professional™ Steel Handle Nail Hammers

- Octagon head pattern
- Chrome plated tubular handle

#### **Curved Claw**

Cat. #	Weight	Length
HT51-033	20 oz	13 1/4"
HT51-031	16 oz	13 1/4"



FatMax® X	treme AntiVi	be® Rip Cla
Cat. #	Weight	Length
HT51-165	20 oz	13 1/2"
HT51-163	16 oz	13 1/2"



### Plumb Hi-Viz Solid Steel Hammers

- Comfortable sport grip in Hi-Viz orange is easy to find on the job site
- · Well-balanced for power

#### **Curved Claw**

Cat. #	Weight	Length
HT11381	16 oz	13"
HT11382	20 oz	13 1/2"

#### **Ripping Claw**

Cat. #	Weight	Length
HT11377	22 oz	15 13/16"
HT11378	24 oz	15 13/16"
HT11379	28 oz	15 13/16"
HT11383	16 oz	13"
HT11384	20 oz	13 1/2"



## **Plumb Autograf Hammers**

- Octagon-shaped pole
- Permabond® construction between head and handle
- · Red hickory handle

### Premium Curved Claw

Cat. #	Weight	Length
HT11435	5 20 oz	13"
HT11436	6 16 oz	13"
HT11437	7 16 oz	15 1/2"
HT11438	3 13 oz	12 1/2"



## **Stanley Rubber Malet**

• Tough rubber head molded to a lacquered handle

<u>Cat. #</u>	Weight	Length		
HT57-52	22	18 oz	13	1/2"



## Stanley Professional Hammer Holster

#HT51-900





## **Pump Pliers**

- Secure tongue and groove design for nonslip grip, even under pressure
- Wide range of versatile jaw positions
- D = Handle Finish plastic dipped
- HD = Handle Finish heavy-duty plastic dipped

	Overall	Max Jaw	
Cat. #	Length	Capacity	Weight
HTD502-6	6 1/2"	7/8"	.41 lbs.
HTHD502-6	6 5/8"	7/8"	.44 lbs.
HTD502-10	10"	1 3/4"	.97 lbs.
HTHD502-10	10 1/8"	1 3/4"	1.01 lbs.
HTD502-12	12 1/4"	2 3/8"	1.37 lbs.
HTHD502-12	12 3/8"	2 3/8"	1.48 lbs.
HTD502-16	16 3/4"	4 1/4"	3.22 lbs.

## **Slip Joint Pliers**



- Shear-type cutter for precision wire cutting.
- Two versatile jaw positions
- Serrated jaws provide sure gripping power.
- Nickel-chrome plate for long life.
- Knurled handles for greater leverage
- Supplied wih plain handle. A "D" indicates the handle is plastic dipped.

	Overall	Jaw	Jaw	Jaw	
Cat. #	Length	Length	Width '	Thickness	Weight
HT511-6	6 1/2"	1 3/16"	1 3/16"	3/8"	.36 lbs.
HTD511-6	6 9/16"	1 3/16"	1 3/16"	3/8"	.39 lbs.
HT511-8	8"	1 3/8"	1 1/4"	7/16"	.57 lbs.
HTD511-8	8 1/16"	1 3/8"	1 1/4"	7/16"	.62 lbs.
HT511-10	9 3/4"	1 3/4"	1 3/8"	15/32"	.81 lbs.
HTD511-10	9 7/8"	1 3/4"	1 3/8"	15/32"	.83 lbs.



## **Standard Long Nose Pliers**

- Knurled jaws for sure wrapping and looping
- Curved handle provides greater tool control
- Handle is plastic dipped

	Overall	Jaw	Jaw	Jaw	
Cat. #	Length	Length	Width	Thickness	Weight
HTD203-5	5 5/8"	1 1/2"	11/16"	3/8"	.36 lbs.



## **Heavy Duty Diagonal Cutting Pliers**

- Heavy duty tapered nose design
- One inch jaws easily reach into confined spaces.
- Handle is plastic dipped

	Overall	Jaw	Jaw	Jaw	
Cat. #	Length	Length	Width	Thickness	Weight
HTD220-7	7 11/16"	1"	31/32"	1/2"	.54 lbs.

## Hand Saws



## Stanley SharpTooth™ Heavy Duty Saw

- Agressive multi-purpose saw for fast cutting
- For use on laminates, plastic pipe, and all wood types
- SharpTooth™ Saw technology uses three cutting surfaces to cut 50% faster than conventional Stanley™ Hand Saws
- Induction hardened teeth stays sharp 3 to 5 times longer than standard teeth
- Back of saw can be used to mark 45° and 90° angles
- Total length of 18" fits conveniently in most tool boxes
- · Hardwood handle

Cat. #	Points per Inch	Blade Length
HT15-085	9	15"



## Stanley SharpTooth™ Fine Finish Saw

- Multi-purpose saw for a high quality finish
- For use on MDF, plasterboard, and all wood types
- SharpTooth™ Saw technology uses three cutting surfaces to cut 50% faster than conventional Stanley™ Hand Saws
- Induction hardened teeth stays sharp 3 to 5 times longer than standard teeth
- Back of saw can be used to mark 45° and 90° angles
- Total length of 18" fits conveniently in most tool boxes
- · Hardwood handle

Cat. # Points per Inch Blade Length
HT15-088 12 20"



## Stanley SharpTooth™ Fine Finish Saw

- Multi-purpose saw for high quality finish
- For use on laminate, plastic pipe, and all wood types
- SharpTooth™ Saw technology uses three cutting surfaces to cut 50% faster than conventional Stanley™ Hand Saws
- Induction hardened teeth stays sharp 3 to 5 times longer than standard teeth
- Back of saw can be used to mark 45° and 90° angles
- · Hardwood handle

Cat. #	Points per Inch	Blade Length
HT15-086	12	15"

## Stanley Coping Saw

 Hardened, tempered blade provides clean, controllable cutting action

• Blade made of highest grade high carbon steel

 Cat. #
 Frame Depth
 Blade Length

 HT15-104
 4 3/4"
 6 3/8"

## Stanley High Tension Hacksaw

- Rugged design for heavy duty use
- Fully adjustable tension holds blade up to 32,000 PSI
- Delivers fast, accurate cuts and longer blade life
- Blade storage is integrated into frame
- Quick release, blade changing mechanism in handle, maintains tension
- Tension guide on handle lever



## Stanley SharpTooth™ Drywall Saw

- Uses three cutting surfaces to cut 50% faster than conventional Stanley hand saws
- Induction hardened teeth holds up against abrasive drywall materials
- · Hardwood handles for durability and comfort

Cat. #Points per InchBlade LengthHT15-025915"



## **Stanley Traditional Saw**

- This traditional saw has a 26" blade length
- Ground tooth design offers professional performance beyond standard filed teeth
- Large hardwood handles is more comfortable than traditionally shaped handle

Cat. # Points per Inch Blade Length HT15-777 10 26"



## **Stanley Jab Saw**

#### #HT15-033

- For close quarter sawing
- Accepts standard reciprocating blade or hacksaw blade
- Tough resin handle is comfortable to use

# Cutters & Multi-Purpose Tools

## **Cooper Tool Hand Operated Cutters**



- An all around plant maintenance tool for cutting soft, medium or hard materials
- Maximum hardness of material to be cut Brinell 400, Rockwell C42

			Soft, Medium &		
	Approx.		Hard Materials	Hard Materials	Replacement
	Weight		(Up to Brinell 300,	(Up to Brinell 400,	Cutterhead
Cat #	lbs	Length	Rockwell C31)	Rockwell C31)	Cat. #
HT1490MC	2 3/4	14"	5/16"	3/16"	1413C
HT0090MC	3 1/2	18"	3/8"	1/4"	0013C
HT0190MC	5 1/4	24"	7/16"	5/16"	0113C
HT0290MC	8 1/2	30"	1/2"	3/8"	0213C
HT0390MC	12 7/7	36"	9/16"	7/16"	1313C
HT0590MC	17 1/8	42"	11/16"	1/2"	0513C

## **Cooper Tool Heavy Duty Industrial Shears**

• Hot drop-forged handles. Polished blades

Cat. #	Length
HT20	10 1/4"

HT20LH 10 1/4" Left Hand Model

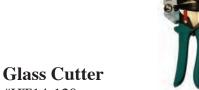
HT22 14 1/2"



HTPS2011/8 to 1 1/4



Weight (lbs) 6 1/2



#HT14-120

- 3 break off notches for various depths
- Length 5 1/8"



## **Cooper Tool Metalmaster Compound Action Snips**

M-1R cuts left from tight curves to straight

WI-IK cuts left from tight cut ves to straight				
		Recommended max.		
		capacity low carbon		
Cat. #	Length	cold rolled steel		
HTM-1R	9 3/4"	18 Gauge Steel		
Red Grips				

M-2R cuts right from tight curves to straight

111 211 cuts fight from tight cut ves to straight.				
		Recommended max		
		capacity low carbon		
Cat. #	Length	cold rolled steel		
HTM-2R	9 3/4"	18 Gauge Steel		
Green Grips				



M-3R cuts straight (or wide curves left or right in light stock)

	0	0
		Recommended max
		capacity low carbon
Cat. #	Length	cold rolled steel
HTM-3R	9 3/4"	18 Gauge Steel
Yellow Grips		





### **Leatherman Wave®**

#### #HTWAVE

• The most popular full-size Leatherman tool is now better than ever. Larger knives, stronger pliers, longer wire cutters and all locking blades make the new Wave an essential piece of equipment for most any job or adventure.

#### Key features include:

- Needlenose Pliers
- Regular Pliers
- Wire Cutters
- Clip Point Knife
- Hard Wire cutters
- Clip Point Knife · Serrated Knife
- Saw
- Scissors
- Wood/Metal File
- Diamond Coated File
- Large Bit Driver
- Small Bit Drive
- Large Screwdriver
- Ruler (8 inch/19cc)
- Bottle/Can Opener
- Wire Stripper
- · Lanyard Attachment
- Two Double Ended Bits
- · Optimum grade hardness for each tool/blade

Length: 4 inches closed - 6.3 inches open Material: 100% stainless steel

#### Included Screw Bits:

- Phillips and flat tip eyeglass screwdriver
- Phillips #1-2 and screwdriver 3/16"

# Wire-Stripping & Cutting Tools



### All-Purpose 6-in-One Tool #HT1000

· Shears bolts clean, cuts wire, strips wire, measures stud sizes, gauges wire sizes, crimps terminals. Red plastic covered handles



### **Crimping Tool** #HT1005

• Thin nose permits work in confined space. Crimping die marked for insulated and noninsulated solderless terminals and connectors.

## Cable Splicer's Kit



• Complete, compact splicing kit contains cable splicer's knife, electrician's scissors with stripping notches and slotted leather holder for belts up to 2" wide



## **OLFA Heavy Duty Utility Knife**

- · Designed for tough jobs where extra pressure requires a no-slip grip
- Uses snap off blades



## **OLFA Replacement Blades**

#HTLB50B (50 Blades) #HTLB10B (10 Blades)

## Journeyman™ High-Leverage **Side-Cutting Pliers - Connector**



#### #HTJ213-9NECR

- Crimping die behind hinge for superior leverage crimping non insulated connectors, lugs and terminals
- High leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs.
- Streamlined design with rounded nose and sure-gripping, crosshatched knurls jaws.
- Induction hardened cutting knives for long life.
- Hot riveted joint ensures smooth action and no handle wobble.
- Jaw Width 1 1/4" Handle Color blue/black • Handle Type Journeyman • Knife Length-25/32" • Nose Type New England • Jaw Length 1 19/32" • Overall Length 9 1/2" • Jaw Thickness 5/8"
- Weight 1.13 lbs.

## **Automatic Wire Stripper** Solid and Strand Wire



#### #HT11062

- Strips from No. 10 to 22 AWG, up to a full inch
- No nicking, cutting or fraying wire.
- Blades also available for 8 to 12 AWG and 16 to 26 AWG
- Wire is automatically gripped and stripped with the same motion. Release pressure and jaw automatically opens to release stripped wire. For clear nylon-jacket conductors, two activations are required.
- Plastic hand grips for comfort.
- Supplied with adjustable wire stop as standard feature, to assure uniform, precise strip length.
- Handle Color Blue
- Strips and Cuts 10 -22 AWG
- Overall Length 6 1/2"
- Weight .76 lbs.

## Spyderco Knife

## Endura 4

- #HTC10BK • One hand opening and closing
- · Plain edge blade, contoured handle
- Tweaked ergonomics
- · Screw construction makes cleaning and adjusting easier.
- The handle has a skeletonized stainless steel liner making the knife stronger



## Knives :



## 555™ FatMax® Carpet Knife

#### #HT10-555

- · Cast metal handle for strength and durability
- Rubberized handle for comfort and a sure grip
- Patented interlock nose prevents blade slippage and provides stability
- "D-Ring" fastener for quick blade change no tools required
- Knife swivels open, magnetic compartment holds spare blades
- Blade storage capacity: 10 regular duty .015" blades
- Works with regualr (10-525) and heavy duty (11-530) carpet blades.
- Furnished with 3 blades (#11-921)



## **Replacement Carpet Knife Blades**

- Fits Stanley® FatMax Carpet Knife and most other carpet knives
- Heavy duty blued carpet knife blade
- · Standard high carbon steel blade
- Single (1 1/4") slot with double cutting edge

Cat. #	Thickness	Packed	Length
HT10-525	.015" Standard	5/card	2 1/4"
HT11-530	.017" Heavy	100/box	2 1/4"

## 499TM **Quick Change Retractable Utility Knife** #HT10-499

• Swing out blade storage magazine

- Change blades quickly. No screwdriver required.
- Three position retractable blade slide
- Integrated string cutter, even when blade is retracted.
- Furnished with 3 blades (#11-921) and blade guard.
- Works with regular (#11-911) and heavy (#11-921) blades.

## 99™ 6" Utility Knife



#### #HT10-099

- Three position retractable blade
- Blade storage in handle
- Furnished with 3 blades (#11-921)

## 209<sup>TM</sup> **Classic Fixed Utility Knife** #HT10-209



- Positive fixed blade retention for heavy-duty cutting
- Super duty cast metal textured handle designed for long, tough use
- Nose overlaps at top and bottom for added strength
- Blade storage in handle
- Furnished with 3 blades (#11-921)
- Works with heavy (#11-921) and extra heavy (#11-931) blades.

## Razor Blades

· Steel backed high carbon blade fits all standard blade tools

Cat. #	Thickness	Packed	Length
HTRB	.009"	100/Box	1 1/2"





#HT11-931 Extra Heavy Duty

## **Replacement Utility Knife Blades**

· Blades are generally interchangeable with most makes of utility knives

Cat. #	Thickness	Duty	Packed	Length
HT11-911	.017"	Regular	5/card	2"
HT11-911A	.017"	Regular	100/dispenser	2"
HT11-921	.025"	Heavy	5/card	2 7/16"
HT11-921A	.025"	Heavy	100/dispenser	2 7/16"
HT11-931	.035"	Extra Heavy	5/card	2 7/16"
HT11-931A	.035"	Extra Heavy	100/dispenser	2 7/16"

## 49 Pocket Knife With Rotating Blade

#### #HT10-049

- Powder coated, epoxy handle
- · Saftey blade lock
- Replaceable stainless steel blade
- Blade folds into handle for safe storage
- Works with utility (#11-041) and sheep foot (#11-040) blades





#HT11-040 Sheep Foot

Cat. # <u>Thickness</u> Type Packed Length HT11-040 2 9/16" .040" Sheep Foot 1/card HT11-041 .040" Utility 1/card 2 9/16"

Less expensive razor/scrapers can be found in the Maintenance Section on page 133.

## Files & Planes

## Surform® 399 Pocket Plane Type Tool



#HT21399

- Designed for one handed use.
- Ideal for end grain work, sheetrocking and smoothing edges of laminates
- Manufactured with a metallic gray, die-cast alloy body
- Includes thumbscrew blade tension for quick blade replacement

• Fitted with a replacement (5 1/2") fine cut blade.

• Length: 6" Cutter Width: 1 5/8"



## 110® Block Plane

#### #HT12116

- · Ideal for use by model makers
- For end grain or where single handed working is require such as fitted
- Good performance on hardwoods, plastic laminates and other man made materials
- Length: 7" Cutter Width: 1 5/8"



## **Block Plane**

#### #HT12220

- Cutter rests at a 21° angle, ideal for cross grain planning
- Cutter is fully adjustable for depth of cut and alignment
- Gray, cast iron base with precision ground sides and bottom
- Durable epoxy coating provides long lasting protection
- Finger rest at front of plane adds comfort and control
- Length: 7" Cutter Width: 1 5/8"

## Surform® Shaver Tool



#HT21115

- Compact and lightweight polypropylene molded body
- Curved blade handy and efficient for stock removal
- Sidecut teeth in blade useful for shaving in corners
- Works on a pull stroke
- · Simple click on blade replacement
- Length: 7 1/4"

## **Surform® Replacement Blades**

Cat. #	For File	Cat#
HT21291	Round File Type Tool 10"	HT21297
HT21293	File Type Tool 10" Standard	HT21296
HT21393	File Type Tool 10" Fine	HT21295
HT21393	File Type Tool 10"	HT21296
HT21398	Pocket Plane Type Tool 5 1/2"	HT21399
HT21515	Shaver Tool	HT21115
	(HT21295 &HT21296 take the	same blades.)

## 10" Wood Rasp

#### #HT17-751

- Used by wood workers
- Length: 10"



Surform® Round File Type Tool



#### #HT21297

- Useful for enlarging holes and smoothing curved surfaces
- Ideal for pipe installations in MDF, chipboard, drywall or laminates
- Front grip can be easily removed for use in small holes
- High impact polymer handle with thumb support holds up to heavy use



Surform® 295 File Type Tool

#### #HT21295

- Superb tool for use as a rasp on wood, plastic, soft metals and many other materials
- Manufactured with a metallic gray, die-cast alloy body
- High impact polymer handle holds up to heavy use
- Fitted with a replaceable 10" blade
- Length: 17 3/8" Cutter Width 1 5/8"



# Surform® Plane Type Tool #HT21296



- Resilient enough to be used on materials that would dull a traditional bench plane blade
- Manufactured with a metallic-gray, die-cast alloy body
- High impact polymer handle holds up to heavy use
- Fitted with a replaceable 10" blade
- Length: 12 1/2" Width: 1 5/8"

## Pullers, Punches, Sandpaper & more

## **Nail Pullers**

#HT55-035

- Double end puller features 90° and 30° offset claws
- Overall Length: 11"

## Wonder Bar™

## **Pry Bar**

#HT55-515

- Perfect for pulling nails, prying, lifting, and scraping
- Overall Length: 12 1/2"

## Awls, Scratch

#HT69-122

- · Pick goes through handle for added durability
- Length: 6 1/16"



**Forged Hexagonal Steel Ripping Bar** 

Cat. #	Size(inches)
HT55-118	5/8 x 18
HT55-124	3/4 x 24
HT55-130	3/4 x 30
HT55-136	$3/4 \times 36$

## **Nail Sets**

- Square head, round knurled body
- Tips are cupped and chamfered
- Overall length: 4"

	Tip
Cat. #	Size
HT58-111	1/32"
HT58-112	2/32"
HT58-113	3/32"
HT58-114	4/32"
HT58-115	5/32"

## **Nail Set Pack**

#HT58-230

• Assortment of 3 nail sets; one each of 1/32", 2/32", 3/32"



## **3M Scotch-Brite** Hand® Pads

Cat. # Description HTSB7447 General Purpose 20/box

HTSB7448 Ultra Fine 20/box



## 3M Production Paper

- For wood and metal sanding
- Size: 9" x 11"

1500 F' 0''	26D D	1.0 %
• 150C-Fine Grit	36D-R0	ough Grit
Cat. #	Grit	Qty/Sleev
SPPP150C	150C	100
SPPP120C	120C	100
SPPP100C	100C	100
SPPP80D	80D	50
SPPP60D	60D	50
SPPP50D	50D	50
SPPP40D	40D	50
SPPP36D	36D	50



### **3M Production Cloth Belts**

• 10 per box

3" X 21" Belts		3" X 24" Bel	lts
Cat. #	Grit	Cat. #	Grit
SP3X2150	50	SP3X2450	50
SP3X2180	80	SP3X2480	80
SP3X21120	120	SP3X24120	120

#### 4" X 24" Belts Cat. # Grit SP4X2450 50 SP4X2480 80 SP4X24120 120



## General Purpose Abrasive Wheels

Cat. # Size/For HTAW4.5 4.5" Grinder HTAW6 6" Grinder HTAW14 14" Chop Saw



## **Self-Centering Screw Hole Punch**

#HT58-013

- Strike lightly with hammer to punch starting hole for screw
- Self-centering on hinges, catches, etc.
- Diameter: 3/8" Overall length: 3 1/16"



### **Center Punch**

#HT58-120

- Square Head
- Tip length: 1/8" Overall length: 4"

# Clamps & Vises

## **Sure Clamp**

#LE8020

- Used to hang lighting fixtures or scenery directly to pipes
- An extra secure substitute for the standard C clamp. It closes automatically when weight is hung on it and is further secured by a hand knob which requires no tools for adjustment
- Has a grip range of 1 1/4" to 2"

## Light C Clamp

• A lightweight, strong clamp with many uses

<u>Cat. #</u>	Size Open	Throat D
H20791	1"	1 1/8"
H20792	2"	1 1/8"
H20792.5	2 1/2"	1 3/8"
H20793	3"	2"
H20794	4"	3"
H20796	6"	3 1/2"



## Carriage Clamp

• Finest heavy duty iron clamp

	, ,,	F
<u>Cat. #</u>	Size Open	Throat D
H20732.5	2 1/2"	1 3/4"
H20733	3"	1 7/8"
H20734	4"	2 1/8"
H20735	5"	2 1/2"
H20736	6"	2 3/4"
H20738	8"	3 1/4"
H207310	10"	3 5/8"



## **Bar Clamp**

- Made of high grade steel and iron
- Screw is 5/8" in diameter

<u>Cat. #</u>	Size Open
H20772	2'
H20772.5	2 1/2'
H20773	3'
H20774	4'
H20775	5'
H20776	6'

## **Pipe Clamp Set**

- Furnished ready to screw on regular steel pipe threads
- Foot has automatic clutch which will grip the pipe at any point

will grip the pipe at any point		
Cat. #	Pipe Thread Size	
HT27051/2	1/2"	
HT27053/4	3/4"	

## **Welding Clamp**

#HT8R

- Guarded release trigger quickly unlocks
- U shaped jaws provides enhanced visibility and more working space
- Length: 8" Jaw Adjustment: 3 1/8"



## Corner Clamp

#H83-121

- The ideal clamp for holding mitred joints firmly in place while gluing or nailing
- Makes frames with inside dimensions 3 1/2" and larger, up to 3" wide
- · Countersunk screw holes for bench mounting
- Saw slot for trimming

## **Workshop Vise**

Clamp contains a swivel base

<u>Cat. #</u>	Jaw Openia
HD54	4 1/2"
HD55	5 1/2"
HD56	6 1/2"
HD58	8"



**Quick Grip Bar Clamp** 

· Clamps quickly and easily with one hand

Cat. #	Size
HQGBC6	6"
HQGBC12	12"
HQGBC18	18"



## **Spring Clamp**

Jaw	Overal
Opening	Length
1"	4"
2"	6"
3"	9"
	Opening 1" 2"



## Vise C Clamp

#HT11R

#HT11SP (with swivel points)

- Has an easy release grip
- Length: 11" Jaw Adjustment: 3 3/4"

## **Chain Vise Grip**

#HT20R

- Versatile chain that will grip any object that the chain can wrap around
- Extension chain available
- Length: 18"



## Wrenches & Nut Drivers

## **Locking Wrenches**

#### **Straight Jaws**

• Without wire cutters

Cat. #	Length	Jaw (thick)	Jaw (Adj.)	Weight
H7R	7"	7/16"	1 1/8"	14 oz
H10R	10"	5/8"	1 1/4"	16 oz

#### **Curved Jaws**

• With wire cutters

Cat. #	Length	Jaw (thick)	Jaw (Adj.)	Weight
H5WR	5"	1/4"	1 1/8"	6 oz
H7WR	7"	5/16"	1 5/8"	12 oz
H10WR	10"	3/8"	1 7/8"	16 oz

#### **Curved Jaws**

• Without wire cutters

Cat. #	Length	Jaw (thick)	Jaw (Adj.)	Weight
H7CR	7"	5/16"	1 5/8"	12 oz
H10CR	10"	3/8"	1 7/8"	16 oz

## Pipe Wrench

• Strong, guaranteed never to break or warp

Cat. #	Size	Capacity	Weight
HTSPW06	6"	3/4"	1/2 lbs
HTSPW08	8"	1"	3/4 lbs
HTSPW10	10"	1 1/2"	1 3/4 lbs
HTSPW12	12"	2"	2 3/4 lbs
HTPW14	14"	1"	3 1/2 lbs
HTSPW18	18"	2 1/2"	5 3/4 lbs
HTSPW24	24"	3"	9 3/4 lbs
HTSPW36	36"	5"	19 1/2 lbs
HTSPW48	48"	6"	34 1/4 lbs
SPW60	60"	8"	51 1/4 lbs

## Adjustable Wrench

• Strong, guaranteed never to break or warp

Cat. #	Size	Capacity
HTD5004	4"	1/2"
HTD5006	6"	3/4"
HTD5008	8"	15/16"
HTD50010	10"	1 1/8"
HTD50012	12"	1 5/16"
HTD50015	15"	1 11/16"
HTD50018	18"	2 1/16"
HTD50024	24"	2 7/16"





#### **Box Wrenches**

- For use in confined spaces and on long studs
- Ratchet is reversed by turning wrench over

#### Single Hex

<u>Cat. #</u>	Size		Length	Weight/lbs.
HT68200	1/4"	x 5/16"	4 3/8"	.13
HT68201	3/8"	x 7/16"	5 1/2"	.18
HT68202	1/2"	x 9/16"	6 7/8"	.29

#### **Double Hex**

Cat. #	Size	Length	Weight/lbs.
HT68203	5/8" x 11/16"	8 1/4"	.43
HT68204	5/8" x 3/4"	8 1/4"	.42
HT68205	11/16" x 3/4"	9 1/4"	.52
HT68206	13/16" x 7/8"	9 1/4"	.69 🌈

## **Ratchet Box** Wrench Set

#HT68222

- Set of 7 wrenches listed above in a convenient plastic roll
- Weight: 2.65 lbs.



## **Individual Fully Reversible Ratcheting Offset Box Wrenches**

• Strong, guaranteed never to break or warp

Cat. #	Size	Length	Point	Weight/lbs
HT68234	1/4" x 5/16"	4 3/8"	6	.13
HT68236	3/8" x 7/16"	5 1/2"	6	.18
HT68238	1/2" x 9/16"	6 3/4"	6	.30
HT68240	5/8" x 11/16"	8 1/8"	12	.46
HT68242	3/4" x 7/8"	9 1/8"	12	.50
				0

## **Ratcheting Offset Box Wrench Set**

#HT68221

- Set of 5 fully reversible wrenches listed above
- Weight: 1.57 lbs.



### **Nut Driver Sets**

• Contains the following sizes:

3/16", 1/4", 5/16", 11/32", 3/8", 7/16" & 1/2"

Cat. # Description HT61-130 7 sizes in plastic case

HT61-137 7 sizes in a plastic pouch



### **Individual Nut Drivers**

• Smooth, comfordome handle fits the palm of the hand

Cat. #	Hex Size	Weight/ll
HTS6	3/16"	.10
HTS8	1/4"	.15
HTS10	5/16"	.15
HTS11	11/32"	.15
HTS12	3/8"	.15
HTS14	7/16"	.20
HTS16	1/2"	.20

## Wrenches & Ratchets

#### **Wrench Set**

- Five open end wrenches in a clip
- Sizes range from 5/16" to 3/4"

Cat. #	Type of Wrenches
HT87247	Open End Wrenches
HT87405	Combination (one end
	open the other closed)



### **Individual Combination Wrenches**

- Open ends are offset at standard 15 angles for confined working areas.
- Box ends have 15 angle offset to provide clearance over obstructions.
- Box end point = 12

1			
Cat. #	Size	Length	Weight/lbs.
HT68410	1/4"	5 1/8"	.05
HT68411	5/16"	4 3/8"	.05
HT68412	3/8"	6 1/8"	.10
HT68413	7/16"	6 5/8"	.14
HT68414	1/2"	7 1/8"	.18
HT68415	9/16"	8 1/2"	.23
HT68416	5/8"	8 1/2"	.28
HT68417	11/16"	9"	.37
HT68418	3/4"	9 7/8"	.46
HT68419	13/16"	10 5/8"	.53
HT68420	7/8"	11 1/2"	.67
HT68421	15/16"	12 1/2"	.79
HT68422	1"	13 1/4"	.93
HT68423	1 1/16"	14 1/4"	1.18
HT68424	1 1/8"	15 1/2"	1.52
HT68425	1 1/4"	16 3/4"	1.88

### 1/2" Drive - Standard 12 Point Sockets



Cat. #	Deep	Weight/lbs
HT65800	7/16"	.01
HT65801	1/2"	.01
HT65802	9/16"	.02
HT65803	5/8"	.02
HT65804	11/16"	.02
HT65805	3/4"	.02
HT65806	13/16"	.03
HT65807	7/8"	.03
HT65808	15/16"	.03
HT65809	1"	.04
HT65810	1-1/16"	.04
HT65811	1-1/8"	.04
HT65812	1-1/4"	.05

## **1/2"** Drive

## **Deep 12 Point Sockets**

• Ideal for 5/8" truss bolts because it is six sided and will not slip

is six sided and will not slip				
Cat. #	Deep	Weight/lbs.		
HT65825	1/2"	.01		
HT65826	9/16"	.01		
HT65827	5/8"	.02		
HT65828	11/16"	.02		
HT65829	3/4"	.02		
HT65830	13/16"	.03		
HT65831	7/8"	.03		
HT65832	15/16"	.03		



### 3/8" Drive and Extensions

Cat. #	Description	Weight/lbs.
HT65720	7-1/2" Ratchet	.09
HT65722	3" Extension	.05
HT65723	6" Extension	.09

## 1/4" Drive and Extensions

Cat. #	Description	Weight/lbs.
HT65620	4 3/4" Ratchet	.05
HT65622	2" Extension	.02
HT65623	6" Extension	.07

### 1/2" Drive and Extensions

Cat. #	Description	Weight/lbs.
HT65820	10-1/2" Ratchet	.5
HT65822	5" Extension	.1
HT65823	17" Flex Handle	.7

## 1/4" **Drive**

**Deep 6 Point Sockets** 

Cat. #	Deep	Weight/lbs.
HT65610	1/4"	.01
HT65611	9/32"	.01
HT65612	5/16"	.02
HT65613	11/32"	.02
HT65614	3/8"	.02
HT65615	7/16"	.03
HT65616	1/2"	.03



## 3/8" Drive

## **Standard 12 Point Sockets**

Cat. #	Deep	Weight/lbs.
HT65704	5/8"	.01
HT65705	11/16"	.01
HT65706	3/4"	.02
HT65707	13/16"	.02
HT65708	7/8"	.02

## **3/8"** Drive

**Deep 6 Point Sockets** 

Deep of ome societs				
Cat. #	Deep	Weight/lbs		
HT65710	3/8"	.01		
HT65711	7/16"	.01		
HT65712	1/2"	.02		
HT65713	9/16"	.02		
HT65714	5/8"	.02		
HT65715	11/16"	.03		
HT65716	3/4"	.03		
HT65717	13/16	.04		



## Ratchets & Driver Sets



## **Drive Socket Wrench Sets 1/2"** Drive

#HT65512 (16 piece set)

- Thirteen 12 point sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", and 1-1/4"
- Extension: 5" long
- Flexible handle: 17" long
- Ratchet
- · Hinged metal box
- weight: 9.63 lbs.

#### **1/2"** Drive

#### #HT65510 (12 piece set)

- Nine 12 point sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", and 15/16"
- Extension: 5" long
- Spark plug socket: 5/8"
- Ratchet
- · Hinged metal box
- weight: 5.37 lbs.

#### 3/8" Drive Set

#### #HT65504 (12 piece set)

- Four 6 point sockets: 3/8", 7/16", 1/2", 9/16"
- Four 12-point sockets: 5/8", 11/16", 3/4" and 13/16"
- Spark plug socket: 5/8"
- Ratchet
- Hinged metal box
- weight: 3.62 lbs.





#### 3/8" Drive Set

#### #HT65508 (20-piece set)

- Four 6-point sockets: 3/8", 7/16", 1/2" and 9/16"
- Five 12-point sockets: 5/8", 11/16", 3/4", 13/16" and 7/8"
- Eight 6-point deep sockets: 3/8", 7/18", 1/2", 9/16", 5/8", 11/16", 3/4", and 13/16"
- Two extensions: 1-3/4" & 3" long
- Ratchet
- · Hinged metal box
- weight: 5.40 lbs.



#### 148-Professional Tool Sets #HTPTS

This set contains all the tools needed for most industrial applications, including 1/4", 3/8", and 1/2" quick-release ratcheting drives, with a wide selection of standard and deep sockets in the most common SAE and metric sizes.

- Contains the following sizes:
- 1/2" Drive:
- 72 tooth Quick-Release Ratchet Drive
- 5" Extension
- (10) 6 Point Socket: 1/2", 9/16", 5/8", 3/4", 7/8", 15mm, 17mm, 18mm, 19mm, 21mm

#### 3/8" Drive:

- (1) 72 tooth Quick-Release Ratchet Drive
- (1) 3" Extension
- (1) 6" Extension
- (1) 3/8" (Female) to 1/4" (Male) Adaptor
- (2) Spark Plug Sockets: 5/8", 13/16"
- (16) 12 Point Sockets: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16, 3/4", 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm
- (10) 6-Point Deep Sockets: 7/16", 1/2", 9/16", 11/16", 3/4", 12mm, 13mm, 14mm, 16mm, 17mm

#### 1/4" Drive:

- (1) 72 tooth Quick-Release Ratchet Drive
- (1) 3" Extension
- (20) 6 Point Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8, 7/16", 1/2", 9/16", 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11 mm, 12mm, 13mm19mm
- (12) Combination Wrenches: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 8mm, 10mm, 12mm, 13mm, 14mm, 15mm
- (2) Pliers: 8" Long Nose Cutting and 6" Diagonal Cutting
- (4) Magnetic Screwdrivers: 1/4" x 4" Slotted, 3/16" x 3" Slotted, #2 x 4" Phillips, #1 x 3" Phillips
- (1) Dura-Driver Magnetic Bit Driver
- (44) 1" Driver Bits with holder: Phillips, Slotted, Totx, and Hex
- (18) SAE Hex Keys with holder
- (1) Storage case

## Stubby Speed **Rail Wrench**

#HT3430

• 3/8" Drive, 3/16" Hex Socket

## **Modern Stubby** Wrench

#HT3431

• 5/16" Ratchet with 3/16" Hex Socket



## Tool Boxes

## Extra Deep All-Purpose Box

#### #HT54401

- Big capacity box with ample three compartment tote tray with an easy grip handle
- Double drawbolts plus hasp and staple for lock shackles up to 3/8" in diameter
- Red baked enamel finish
- Dimensions: 20" long, 8 1/2" deep, 9 1/2" high
- Weight: 11.55 lbs.



# Space-Saving Tool Box

#### #HT54402

- A small, light two-piece box built with every big-box feature
- Draw bolts with padlock eye for lock shackles up to 1/4" in diameter
- Red baked enamel finish
- Dimensions: 19" long, 7" deep, 7 1/2" high
- Weight: 6.98 lbs.



## **Deep Top Box**

#### #HT54404

- High hip-roof permits extra deep tote tray for
- bulky drills, long hand tools, or a large wrench set
- Tray has big handle and no partitions
- Two drawbolts plus hasp and staple for lock shackles up to 3/8" in diameter
- Red baked enamel finish
- Dimensions: 19 3/4" long, 7" deep, 8" high
- Weight: 9.25 lbs.

## Jumbo Four Tray Tool Box

#### #HT54405

- Four roomy cantilever trays (two with dividers) open wide for full access to box interior
- Box has two drawbolt locks plus hasp and staple
- Dimensions: 18" long, 10" deep, 13 1/4" high
- Weight: 21.10 lbs.



### **Black Tool Box**

- This durable high-density polythylene box has a reinforced metal frame, steel corners and sturdy drawbolts for padlock
- Solid grip plastic handle
- Water repellent finish

<u>Cat. #</u>	Length	Depth	Width	<u>Trays</u>
HT144-13	13"	5 1/4"	5"	1 (1 1/2)
HT144-14	14"	7 1/2"	7"	2 (1 3/4)
HT144-16	16"	10"	6 1/2"	2 (1 3/4)
HT144-18	18"	11 1/4"	7"	3 (1 3/4)

#### This durable bag is made of one piece white canvas covered on the bottom and 3" up on the sides with Naugahyde

All bags have two retaining straps and buckles

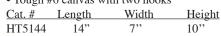
Cat. #	Length	Depth	Widt
HT5102-12	12"	10"	6"
HT5102-14	14"	14"	6"
HT5102-16	16"	14"	6"
HT5102-18	18"	14"	6"
HT5102-20	20"	15"	6"
HT5102-22	22"	15"	6"
HT5102-24	24"	15"	6"





• Tough #4 canvas with swivel snap & rope handle

Cat. #	Length	Width	Height
HT5103S	10"	12"	12"
• Tough #6	canvas with	two hooks	





# Flashlights, Locks & Lettering

#### Sesamee Lock

#HTK-436 #HTK-RO436

#HTK-437 (Long Shackle)

- •Tired of having your locks freeze keeping you from your tools and equipment, this all weather lock is for you! It will not freeze or rust.
- You choose the four digit combination to open your lock



# Explicate Path

#### **Sesamee Lock** with Pressure Cast Body

#HTK-500

• Same as #4372 but with a pressure cast body

#### **Master Lock**

 You can have all your locks keyed alike or keyed differently.

Cat. #	Shackle	Keyed
HT5KD	Regular	Different
HT5KA	Regular	Alike



Heavy Duty available keyed alike

Cet # Sheekle Keyed

Keyed

Cat. #	SHACKIC	Keyeu
HT703KA	Long	Alike per 6 pack

# Stuff for the Shop

## **Stencil Sets**

Brass Letters			
Cat. #	Size		
HTL-1	1"		
HTL-1 1/2	1 1/2'		
HTL-2	2"		



Customs steel stencils
available upon request!

#### Brass Numbers

Cat. #	Size	
HTN-1	1"	
HTN-1 1/2	1 1/2'	
HTN-2	2"	
HTN-3	3"	

#### **Shelf Bracket**

3"

- Made of wrought steel with a gray enamel finish
- Sold by the pair

HTL-3

Dora O	, the pan		
<u>Cat. #</u>	Size	Cat. #	Size
H21333	3" x 4"	H21338	8" x 10"
H21334	4" x 5"	H213310	10" x 12"
H21335	5" x 6"	H213312	12" x 14"
H21336	6" x 8"	11213312	



#### **Saw Horse Brackets**

#H362S

• Sold by the pair



### Maglite® Flashlights

#### #HTS3C016

- High intensity adjustable light beam (spot to flood)
- Recessed, pushbutton, self-cleaning, 3-position switch
- Rugged, machined aluminum construction, with knurled design
- · Anodized inside and out for improved corrosion resistance
- Water and shock resistant
- Spare lamp safely secured inside the tailcap
- No batteries or Holster
- Size: 3C Cell

# Maglite® Flashlights

#### #HTS4D016

- High-intensity adjustable light beam (spot to flood)
- Recessed, pushbutton, self-cleaning, 3-position switch
- Rugged, machined aluminum construction, with knurled design
- Anodized inside and out for improved corrosion resistance
- · Water and shock resistant
- Spare lamp safely secured inside the tailcap
- No batteries or Holster
- Size: 4D Cell

### Mini Maglite® LED

#### #HTSP22014

- Built tough enough to last a lifetime
- A powerful projecting beam that focuses simply by rotating the head
- •Balanced Optics, combining a highly refined reflector with a quality LED, for a brilliant adjustable beam
- Intelligent Energy Source balances high brightness with efficient power usage
- Includes batteries & Holster
- Size: 2-AA (2 Cell)



# **Flashlights**

#### #HT1618

- Rugged plastic case that is not affected by oil, grease, or water
- Switch guard ends accidental lighting in pockets and tool boxes
- Uses a #PR-6 bulb and 2 D size batteries (not included)

#### Alkaline Batteries

• per battery

Cat.#	Size
HBAA	AA
HBAAA	AAA
HBC	C
HBD	D
HB9	9 volts





# Hex Key Sets, Squares & Tape Measures

# **Folding Hex Key Sets**



#### **Five-Key Set** #HT70579

• Contains the sizes: 3/16", 7/32", 1/4", 5/16" & 3/8"

#### **Nine-Key Set** #HT70591

• Contains the sizes: 5/64", 3/32", 7/64", 1/8", 9/64" 5/32", 3/16", 7/32" & 1/4"

### **Five-Key Metric Set** #HT70580

• Contains the sizes: 4 mm, 5mm, 6mm, 8mm & 10mm

#### **Seven-Key Set** #HT70582

• Contains the sizes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm & 6mm

#### **Eight-Key Set** #HT70581

• Contains the sizes: 1/20", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64" & 5/32"

# **Premium** Aluminum Rafter Square #HT45-011

- 1/16" graduations on face and back
- Body 24" x 2", tongue 16" x 11/2"



#### #HT46-067

- Base 10 1/4"
- Rule Length 6 3/4"
- Aluminum Construction
- Multipurpose design can be used as a saw guide for special angle measurements and cuts, or as a protractor
- Comes with detailed instruction booklet

### Hi-Viz Lufkin Tape Rule

• 1" wide blade

Cat. # Overall Length HTHV1430 30

# Powerlock® Power **Return Rule with** Life Guard® Yellow Blade

• 1/2" wide blade

Cat. # Overall Length HT33-210 10 ft HT33-212 12 ft



#### Professional™ Powerlock® Tape Rule

• 3/4" wide blade

<u>Cat. #</u>	Overall Length
HT33-310	10 ft
HT33-312	12 ft
HT33-116	16 ft
HT33-320	20 ft

• 1" wide blade

Cat. #	Overall Length
HT33425	25 ft
HT33430	30 ft
HT33435	35 ft





### FatMax® Tape Rule

- Blade Armor coating is a patented industrial thermoplastic coating. It's on the first 6" of the FatMax Tape Ruler for maximum durability and reduced blade breakage
- 1 1/4" wide blade (25% wider) with 11' of standout for extra and easy to read graphics.

Cat. #	Overall Lengt
HT33716	16 ft
HT33726	26 ft
HT33725	25 ft

### **Grooved Blade Combination Square**

#### #HT46-123

Professional<sup>™</sup>

<u>Cat. #</u>

HT46-209

- Durably etched hard chrome-plated blades are rust resistant
- 12" square has precision machines working surfaces for imporved accuracy
- · Built-in scriber comes in handy for surface marking

Professional™ Try Square

• solid hardwood handle w/laquer-coat for protection

Handle

5 3/8"

• 1/16" graduations on the face

**Blade** 

- · Easy to read vial
- Length: 12"

### **Steel Long Tape**

• Both have a 3/8" wide blade

• FatMax® has a rubber, slip-resistant grip that assures a solid hold.

grip that asserts a some hore.				
<u>Cat. #</u>	Overall Length	<u>Type</u>		
HT34-10	3 50 ft	Regular		
HT34-10	6 100 ft	Regular		
HT34-12	9 50 ft	FatMax®		
HT34-13	0 100 ft	FatMax®		



# Levels, Gauges, Chalk Lines & Chisels



#### FatMax® Levels

- Aluminum structure for increased durability.
- Top-read center vial for easy readability
- Shock absorbing end caps and overall design to maintain accuracy.
- Magnetic versions have 35% stronger holding power then industry standards
- Hang hole for easy storage and hand hole with soft grip for comfort
- Non-marring side bumpers for use against finished surfaces.

<u>Cat. #</u>	Length	# of Vials	
HT43-500	24"	3	
HT43-504	24"	3	Magnetic
HT43-502	48'	3	
HT43-506	48"	3	Magnetic
HT43-507	72"	3	



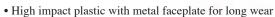
#### **Brass Bound Levels**

• Solid straight grain wood protected with solid brass edges

Cat. #	Length	# of	Vials
HT42-321	24"	6	
HT42-347	48"	6	-

# **Styrene Marking**

#### Gauge #HT47-064



- Thumbscrew adjusts shoe easily
- One side is gradulated in 16ths of an inch and the reverse side is in 2 mm graduations
- Overall length: 8 7/16"

#### **Laser Level**

• All beams originate from the same point

	0 1
Cat. #	Description
HTLL7610	Five Square 90 degree
	beams provide simultaneous
	level, plumb & square reference
HTLL7510	Three Square 90 degree
	beams provide simultaneous
	level & plumb reference



# **Torpedo Level**

#### #HT9309

- Level vial is both top and side reading
- Overall length: 9"



# Reel Fast® Chalk Line

#### #HT7473

- Line rewinds 3 1/2 times faster than other chalk lines
- · Case has large chalk capacity
- Can be used as a plumb bob

#### **Professional™ Chalk-O-Matic**

- Universal hook attaches to any projection or slot
- Can be used as plumb bob

Cat. #	Length
HT47-050	50 ft
HT47-100	100 ft

#### **Chalk Refills**

- High grade chalk in a choice of colors
- · Packed in plastic canisters for easy pouring

Cat. #	Weight	Color
HT47-803	8 oz	Blue
HT47-804	8 oz	Red

#### Replacement Chalk Line

- High quality replacement line, 100 ft on reel
- · Individually bagged

Cat. #	Length
HT47-101	100 ft

#### **Plumb Bobs**

- Cast in one piece
- Replaceable nickel plated tips

1	
Size	Length
5 oz	4 3/4'
8 oz	5 1/4'
16 oz	6'
	5 oz 8 oz



# **Professional**<sup>TM</sup> Wood Chisel Sets

• Comes with a durable storage case

#### Set of 4

#### #HT16-900

• Contains the following chisels: 1/4", 1/2", 3/4", 1"

#### Set of 6

#### #HT16-901

• Contains the following chisels: 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2"



### Flooring/Electrician's Chisels

#### #HT16-238

- Solid steel/Polished bit
- Cutting Edge: 2 13/16"
- Size: 5/8" x 12"





# #HTWC1N

• 3:1 Combination Chisel: Chisel, Flat Rasp, and Round Rasp

• Edge: 1" width

# Countersinks & Bits

# Wood & Metal

#### **Countersinks**

 Produces clean 82° countersinks in steel with this tool made of High Quality Tool Steel

Cat. #	Diameter
HT04-140	1/2"
HT04-142	5/8"
HT04-144	3/4"



#### **Wood Countersinks**

#### #HT04-137

- Produces clean 82° countersinks in wood and plastic
- Fits 1/4" and larger drill chucks

# **Wood Countersinks** - For a bit brace #HT04-139

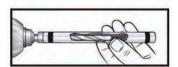
- Produces clean 82° countersinks in wood and plastic
- To be used with a bit brace only

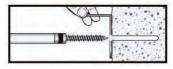
#### **Dowling Jig**

#HT04-059

• Furnished with a set of 6 guides







### Tapcon Tool #HT1000

- Ensures the precise drilling of pilot holes when installing Tapcon anchors
- A masonry drill bit with a carbide tip
- Tapcon drill bits are listed below and are sold separately



### **Tapcon Drill Bits**

- For installing 3/16" Tapcon fasteners, use 5/32" Tapcon drill bit
- For installing 1/4" Tapcon fasteners, use 3/16" Tapcon drill bit

		Useable	Overall
Cat. #	Size	Length	Length
HTDBT5/32	5/32"	4"	6"
HTDBT3/16	3/16"	4"	6

# Screw-Mate® Adjustable Drill &

#### **Countersinks**

- Drills for screw thread, body size, countersinks, and counterbores
- Adjustable for different length of screws
- 1/4 shank fits chucks of power drill or hand drill

Cat. #	Screw Size No.
HT04-621	6
HT04-622	8
HT04-623	10
HT04-624	12

#### **Speedbor 2000 Wood Boring Bit Sets**

- Patented Microgroove cutting edge with spurs
- Bits are also sold separately

#### Set of 8 #HT341008

• Contains the following eight sizes of spade bits in a plastic kit: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2"



# Set of 13

#### **#HT88894**

• Contains the following thirteen sizes of spade bits in a plastic kit: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1

# **Speedbor Boring Bits**

• Length: 6" with a 1/4" shank

Cat. #	Diameter	Cat. #	Diameter
HT88804	1/4"	HT88811	11/16"
HT88805	5/16"	HT88812	3/4"
HT88806	3/8"	HT88813	13/16"
HT88807	7/16"	HT88814	7/8"
HT88808	1/2"	HT88815	15/16"
HT88809	9/16"	HT88816	1"
HT88810	5/8"		



		Useable	Overall
Cat. #	Size	Length	Length
HTDBS5/32	5/32"	4"	6"
HTDBS3/16	3/16"	4"	6
HTDBS1/4	1/4"	4"	6"
HTDBS5/16	5/16"	4"	6"
HTDBS3/8	3/8"	4"	6"
HTDBS7/16	7/16"	4"	6"
HTDBS1/2	1/2"	4"	6"
HTDBS9/16	9/16"	4"	6"
HTDBS5/8	5/8"	6"	8"
HTDBS3/4	3/4"	6"	8"
HTDBS7/8	7/8"	6"	8"
HTDBS1	1"	8"	10"



# Drill Bits

#### **Drill Sets**

Cat. #	Description
HT113	1/16 - 1/4 by 64ths
HT115	1/16 - 1/2 by 32nds
HT121	1/16 - 3/8 by 64ths
HT126	A - Z 26 pcs
HT129	1/16 - 1/2 by 64ths
HT129-C	1/16 - 1/2 by 64ths

C denotes Very Strong- Cobalt Steel



### **Carbide Masonary Drill Bits**

Cat. #	Size	Overall Length
HTDBM1/8	1/8"	2 1/2"
HTDBM3/16	3/16"	3"
HTDBM1/4"	1/4"	4"
HTDBM5/16	5/16"	4"
HTDBM3/8	3/8"	4"
HTDBM1/2	1/2"	6 "
HTDBM5/8	5/8"	6"
HTDBM3/4	3/4"	6"



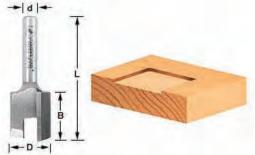
• For wood and metal

Cat. #	Size	Overall Length
HTDB1/16	1/16"	1 7/8"
HTDB5/64	5/64"	1 11/16"
HTDB3/32	3/32"	1 3/4"
HTDB7/64	7/64"	1 13/16"
HTDB1/8	1/8"	1 7/8"
HTDB9/64	9/64"	1 15/16"
HTDB5/32	5/32"	2 1/16"
HTDB11/64	11/64"	1 1/8"
HTDB3/16	3/16"	2 3/16"
HTDB13/64	13/64"	2 1/4"
HTDB7/32"	7/32"	2 3/8"
HTDB15/64"	15/64"	2 7/16"
HTDB1/4"	1/4"	2 1/2"
HTDB17/64"	17/64"	2 5/6"
HTDB9/32	9/32"	2 11/16"
HTDB19/64	19/64"	2 3/4"
HTDB5/16	5/16"	2 13/16"
HTDB21/64	21/64"	2 13/16"
HTDB11/32	11/32"	3"
HTDB23/64	23/64"	3 1/16"
HTDB3/8	3/8"	3 1/8"
HTDB25/64	25/64"	3 1/4"
HTDB13/32	13/32"	3 15/16"
HTDB27/64	27/64"	3 3/8"
HTDB7/16	7/16"	3 7/16"
HTDB29/64	29/64"	3 9/16"
HTDB15/32	15/32"	3 5/8"
HTDB31/64	31/64"	3 11/16"
HTDB1/2	1/2"	3 3/4"



• For wood and metal-superior quality

Cat. #	Size	Overall Length
HTDBC1/16	1/16"	1 7/8"
HTDBC5/64	5/64"	1 11/16"
HTDBC3/32	3/32"	1 3/4"
HTDBC7/64	7/64"	1 13/16"
HTDBC1/8	1/8"	1 7/8"
HTDBC9/64	9/64"	1 15/16"
HTDBC5/32	5/32"	2 1/16"
HTDBC11/64	11/64"	1 1/8"
HTDBC3/16	3/16"	2 3/16"
HTDBC13/64	13/64"	2 1/4"
HTDBC7/32"	7/32"	2 3/8"
HTDBC15/64"	15/64"	2 7/16"
HTDBC1/4"	1/4"	2 1/2"
HTDBC17/64"	17/64"	2 5/6"
HTDBC9/32	9/32"	2 11/16"
HTDBC19/64	19/64"	2 3/4"
HTDBC5/16	5/16"	2 13/16"
HTDBC21/64	21/64"	2 13/16"
HTDBC11/32	11/32"	3"
HTDBC23/64	23/64"	3 1/16"
HTDBC3/8	3/8"	3 1/8"
HTDBC25/64	25/64"	3 1/4"
HTDBC13/32	13/32"	3 15/16"
HTDBC27/64	27/64"	3 3/8"
HTDBC7/16	7/16"	3 7/16"
HTDBC29/64	29/64"	3 9/16"
HTDBC15/32	15/32"	3 5/8"
HTDB31/64	31/64"	3 11/16"
HTDB1/2	1/2"	3 3/4"



### Mortising Bits |---

• 2 flute

	Cutting	Cutting	Shank	Overall
Cat. #	Dia.	Length	Diameter	Length
BTA45500	1/2	3/4	1/4	2
BTA45502	5/8	3/4	1/4	2
BTA45504	3/4	3/4	1/4	2
BTA45505	1-1/4	3/4	1/2	2-1/8



#### **Panel Pilot Bits**

• Single flute

	Cutting	Cutting	SHalik	Overan
Cat. #	Dia.	Length	Diameter	Length
BTA45506	1/4	3/4	1/4	2-1/2
BTA45508	3/8	1	3/8	3
BTA45510	1/2	1-3/16	1/2	3-1/2

# Routing Bits

### **Straight Plunge Cutting Bits**

#### 1/4" Shank, 2 Flute

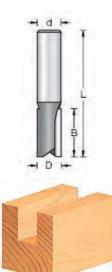
1/4 51141118, 2	a I lute			
• Other sizes a	available		144	
	Cutting	Cutting	Overall	
Cat. #	Dia.	Length	Length	
BTA45190	1/16	1/4	1-5/8	
BTA45192	3/32	1/4	1-3/4	
BTA45200	1/8	7/16	2	
BTA45201	5/32	7/16	2	
BTA45202	3/16	7/16	2	
BTA45204	1/4	1/2	2	
BTA45208	1/4	3/4	2	
BTA45210	1/4	1	2-1/4	
BTA45211	1/4	1	2-7/8	
BTA45212	9/32	1	2-1/4	
BTA45214	5/16	1	2-1/4	
BTA45216	3/8	3/4	2	D
BTA45218	3/8	1	2-1/4	U
BTA45220	3/8	1-1/4	2-1/2	
BTA45222	7/16	1	2-1/8	
BTA45223	15/32	3/4	2	de
BTA45224	1/2	3/4	1-3/4	
BTA45226	1/2	1	2-1/8	
BTA45227	9/16	3/4	2-1/8	
BTA45238	19/32	3/4	2	
BTA45228	5/8	3/4	2	
BTA45229	11/16	3/4	2	
BTA45231	23/32	3/4	2	
BTA45230	3/4	3/4	2	
BTA45232	13/16	3/4	2	
BTA45234	7/8	3/4	2	
BTA45236	1	3/4	2	



#### 1/2" Shank, 2 Flute

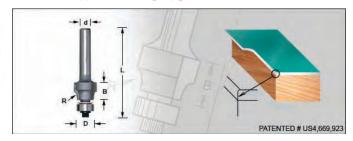
• Other sizes available

Other sizes a	valiable		
	Cutting	Cutting	Overall
Cat. #	Dia.	Length	Length
BTA45408	1/4	3/4	2-1/2
BTA45414	3/8	1	2-3/4
BTA45415	3/8	1-1/4	3
BTA45416	7/16	1-1/4	3
BTA45418	1/2	1	2-5/8
BTA45420	1/2	1-1/4	2-7/8
BTA45422	1/2	1-1/2	3-1/8
BTA45426	1/2	2	4-1/4
BTA45427	1/2	2-1/2	4-1/2
BTA45428	9/16	1-1/4	2-7/8
BTA45432	5/8	1-1/4	2-7/8
BTA45445	23/32	1-1/4	2-7/8
BTA45440	3/4	1-1/4	2-7/8
BTA45446	7/8	1-1/4	2-7/8
BTA45448	1	1-1/4	2-7/8



We also stock Bosch bits and can cross reference bits for you.

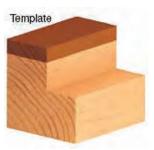
# We stock CNC Bits as well!



#### **No File Bits**

• With ball bearing guide

	Cutting	Cutting	Shank	Overall
Cat. #	Dia.	Length	Diameter	Length
BTA47150	5/8	3/8	1/4	1-7/8
BTA47152	5/8	3/8	1/2	2-1/8
BTA47154	5/8	3/8	1/4	1-7/8

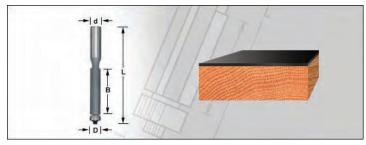




# **Flush Trim Plunge Bits**

- With upper ball bearing
- 2 flute
- Other sizes available

Cutting	Cutting	Shank	Overall
Dia.	Length	Diameter	Length
1/2	1	1/4	2-1/2
1/2	1/4	1/4	1-5/8
1/2	1-1/4	1/4	2-3/4
5/8	1	1/4	2-3/4
3/4	1	1/4	2-1/2
1	1	3/8	2-7/8
1-1/8	1-1/2	1/2	3-1/2
	Dia.  1/2  1/2  1/2  1/2  5/8  3/4  1	Dia.         Length           1/2         1           1/2         1/4           1/2         1-1/4           5/8         1           3/4         1           1         1	Dia.         Length         Diameter           1/2         1         1/4           1/2         1/4         1/4           1/2         1-1/4         1/4           5/8         1         1/4           3/4         1         1/4           1         1         3/8



#### **Flush Trim Bits**

- Extra long with ball bearing guide
- Other sizes available
- 2 flute

	Cutting	Cutting	Shank	Overall
Cat. #	Dia.	Length	Diameter	Length
BTA47124	1/2	1-1/2	1/2	3-7/8
BTA47126	1/2	2	1/2	4-1/4

# Routing Bits:

5/8

**Flush Trim** 

• 2 Flute

BTA47160

Cat. #

#### H d H 'V' Groove Bits • With ball bearing guide Cutting Cutting Shank Overall Diameter Length Length 2-1/2 1/4

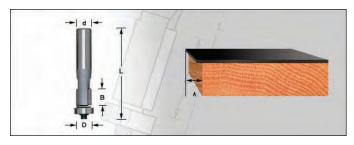
# 5/8 1/2 BTA47162 2 FLUTE 3 FLUTE

#### **Flush Trim Bits**

#### 2 Flute

	Cutting	Cutting	Shank	Overall
Cat. #	Dia.	Length	Diameter	Length
BTA47090	1/4	1/2	1/4	2-1/4
BTA47092	1/4	1	1/4	2-1/2
BTA47100	3/8	1	1/4	2-5/8
BTA47102	3/8	1/2	1/4	2-1/8
BTA47104	1/2	1	1/4	2-5/8
BTA47106	1/2	1/2	1/4	2-1/4
BTA47108	1/2	1	1/2	2-3/4
3 Flute				

	Cutting	Cutting	Shank	Overall
Cat. #	Dia.	Length	Diameter	Length
BTA47114	1/2	1	1/4	2-5/8
BTA47116	1/2	1/2	1/4	2
BTA47118	1/2	1	1/2	3
BTA47120	1/2	1/2	1/2	2-5/8

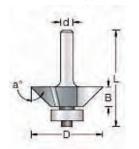


# **'Overhang' Trim Bits**

- With ball bearing guide
- 2 Flute

	Cutting	Cutting	Shank	Overall
Cat. #	Dia.	Length	Diameter	Length
BTA47190	3/8	1/2	1/4	2
BTA47192	1/2	1/2	1/4	2
BTA47194	1/2	1/2	1/2	2-5/8

#### We stock CNC Bits as well!





#### **Bevel Trim Bits**

- With ball bearing guide
- 2 Flute

	Bevel	Cutting	Shank	Overall
Cat. #	Degree	Length	Diameter	Length
BTA47200	15°	9/32	1/4	1-7/8
BTA47202	25°	9/32	1/4	1-7/8
BTA47204	45°	1/4	1/4	1-7/8
BTA47206	25°	7/16	1/4	1-7/8

### **Trim Cutter Assembly**

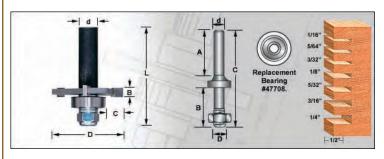
- Included: cutter, arbor and ball bearing guide
- Other sizes available

	Cutting	Cutting	Shank	Overall
Cat. #	Dia.	Length	Diameter	Length
BTA47404	15°	1/4	1/4	2-3/8



### **Single Flute Panel Pilot Bits**

	Type of	Cutting	Shank	Overall
Cat. #	Cut	Dia.& Length	Diamete	r Length
BTA51200	Flush	1/4	1/4	1-1/2
BTA51202	7°	1/4	1/4	1-1/2



#### **Slotting Cutter Assemblies**

- 3 Wing, 1/2" depth of cut, 1-7/8" diameter, 2-1/8" overall length
- 1/4" Shank

Cat. #	Kerf	Cat. #	Kerf
BTA53400	1/16	BTA53407	5/32
BTA53402	5/64	BTA53408	3/16
BTA53404	3/32	BTA53410	1/4
BTA53406	1/8		

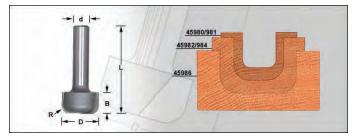
# Routing Bits



# Quadraset<sup>™</sup> 2-Wing Adjustable Slotting Assembly

• 2 flute

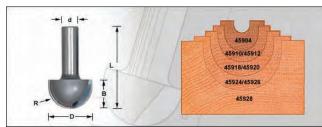
	'D'	'B'	Shank	Overall
Cat. #	Dia	Kerf	Diameter	Length
BTA 53600	1-7/8	1/8-*23/32	1/2.	3



#### **Bowl & Tray Bits**

• 2 flute

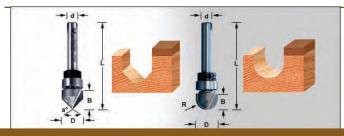
	Large		Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Diameter	Length
BTA45980	7/16	1/8	1/2	1/4	2
BTA45981	1/2	1/8	1/2	1/4	2-1/8
BTA45982	3/4	1/4	5/8	1/4	2-5/8
BTA45984	3/4	1/4	5/8	1/2	2-5/8
BTA45986	1-1/8	1/4	5/8	1/2	2-5/8

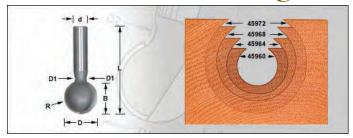


#### **Core Box Bits**

- 2 flute
- More sizes available

		Cutting	Carbide	Shank	Overall
Cat. #	Radius	Dia.	Height	Diameter	Length
BTA45904	1/8	1/4	1/4	1/4	1-5/8
BTA45906	3/16	3/8	1/4	1/4	1-1/2
BTA45910	1/4	1/2	3/8	1/4	1-1/2
RTA45918	3/8	3/4	7/16	1/4	1_3/4

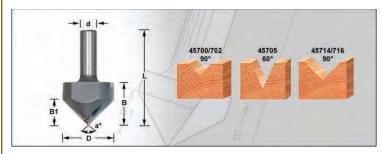




#### **Ball End Bits**

• 2 Flute

	'D1'	'D2'		Shank	Overall
Cat. #	Large Dia	Minor Dia.	Radius	Dia.	Length
BTA45960	1/2	1/4	1/4	1/2	2-1/4
BTA45964	3/4	5/16	3/8	1/2	2-1/2



# 90° 'V' Groove Bits 60° 'V' Groove Bits

• 2 Flute

		Cutting	Carbide	Shank	Overall
Cat. #	Degree	Dia	Height	Dia	Length
BTA45700	90°	3/8	7/16	1/4	1-5/8
BTA45704	90°	1/2	1/2	1/4	1-5/8
BTA45705	60°	1/2	5/8	1/4	1-3/4







#### **Dovetail Bits**

• Solid Carbide/3 Flute

		Cutting	Carbide	Shank	Overall
<u>Cat.</u> #	Degree	Dia	Height	Dia	Length
BTA45800	9°	3/8	3/8	1/4	1-5/8
BTA45802	9°	3/8	3/8	1/2	2-1/8
BTA45803	10°	1/2	5/8	1/4	2-1/2
BTA45804	14°	1/2	1/2	1/4	1-3/4
BTA45806	14°	1/2	1/2	1/2	2-3/8

# Core Box, 'V' Groove and Dovetail Bits

• 2 Flute with Upper Ball Bearings

		Cutting	Carbide	Shank	Overall
Cat. #	Туре	Dia	Height	Dia	Length
BTA45750	90° 'V' Groove	1/2	1/2	1/4	2
BTA45850	14° Dovetail	1/2	1/2	1/4	2-1/4
BTA45950	Core Box	1/2	3/8	1/4	2

Routing Bits =

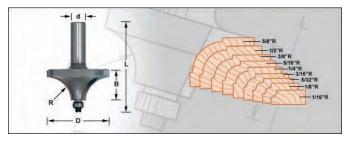




#### **Chamfer Bits**

2 Flute with Ball Bearing Guide

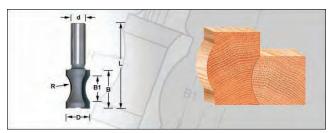
	Angle	Large	H Carbide	C Cutting	Shank	Overall
Cat. #	Degree	Dia	Height	Length	Dia	Length
BTA49400	45°	1-1/4	1/2	5/8	1/4	2
BTA49402	45°	1-1/4	1/2	5/8	1/2	2-3/8
BTA49404	45°	2	3/4	1-1/8	1/2	2-1/2
BTA49406	45°	2-1/2	1	1-3/8	1/2	2-7/8
BTA49410	22-1/2°	1-1/4	15/16	7/8	1/2	2-7/8
BTA49414	30°	1-3/8	3/4	7/8	1/2	2-3/4



#### **Beading Bits**

• 2 Flute with Ball Bearing Guide

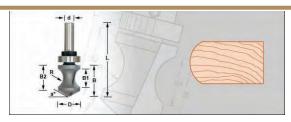
		Large	Carbide	Shank	Overall
Cat. #	Radius	Dia	Height	Dia	Length
BTA49600	3/16	7/8	1/2	1/4	2
BTA49604	1/4	1	1/2	1/4	2
BTA49612	3/8	1-1/4	5/8	1/4	2-3/16
BTA49616	1/2	1-1/2	3/4	1/4	2-1/4



### **Convex Edging Bits**

- Bull Nose, Half Rounds
- 2 Flute

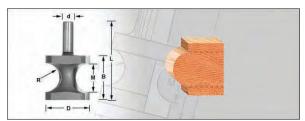
			H Cutting	C Cutting	Shank	Overall
Cat. #	Dia	Radius	Length	Length	Dia	Length
BTA51580	13/16	23/32	1-1/4	27/32	1/4	2-1/2
BTA51582	13/16	23/32	1-1/4	27/32	1/2	2-3/4



# **Hand Grip Plunge Bits**

• 2 Flute

	Large		Carbide	Shank	Overall	
Cat. #	Dia	Radius	Height	Dia	Length	Type
BTA51590	1-1/8	1/2	1-9/16	1/2	3-5/8	w/out bearing
BTA51592	1-1/8	1/2	1-9/16	1/2	3-5/8	w/ bearing

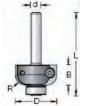


#### **Bullnose Radius Bits**

- 2 flute
- Other sizes available

	M	R	H Cutting	Tool	Shank	Overall
Cat. #	Thick.	Radius	Length	Dia	Dia	Length
BTA51558	1/2	17/64	1	1-1/32	1/2	2-1/2
BTA51560	3/4	3/8	1-5/16	1-1/4	1/2	2-3/4
BTA51562	1	1/2	1-9/16	1-11/16	1/2	3-1/16
BTA51572	3/4	3/8	1-5/16	1-3/8	1/2	3-1/4





RC-49104

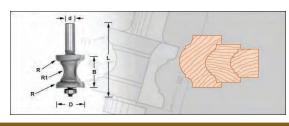
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#### **Cove Bits**

- 2 flute with ball bearing guide
- Other sizes available

		Cutting	Carbide	Shank	Overall
Cat. #	Radius	Dia	Height	Dia	Length
BTA49104	1/4	7/8	9/16	1/4	2
BTA49112	3/8	1-1/8	9/16	1/4	2
BTA49116	1/2	1-3/8	3/4	1/4	2-1/4

We stock Bosch bits as well and can cross reference bits for you.

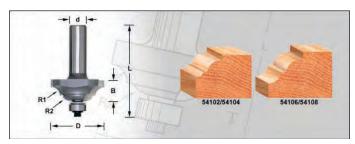


# **Bullnose/Cove Edge Bits**

• 2 flute with ball bearing guide

	Lg			Carbide	Shank	Overall
Cat. #	Dia	Radius	1 Radius 2	Height	Dia	Length
BTA51530	1-1/8	1/8	1/4	1	1/2	2-7/8
BTA51532	1-1/4	5/32	5/16	1-3/16	1/2	3
BTA51534	1-3/8	3/16	1/2	1-9/16	1/2	3-3/8

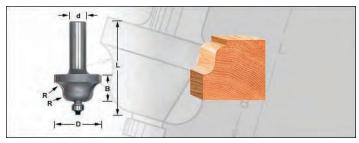
# Routing Bits



#### **Classical Bits**

• 2 flute with ball bearing guide

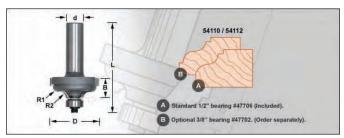
	Large	Radius	Radius	Carbide	Shank	Overall
Cat. #	Dia	1	2	Height	Dia	Length
BTA54102	1-1/4	13/64	5/16	1/2	1/4	2
BTA54104	1-1/4	13/64	5/16	1/2	1/2	2-3/8
BTA54106	1-1/2	15/64	7/32	5/8	1/4	2-1/8
BTA54108	1-1/2	15/64	7/32	5/8	1/2	2-1/2



#### **Roman Ogee Bits**

• 2 flute with ball bearing guide

	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA49200	1	5/32	5/8	1/4	2-1/8
BTA49202	1	5/32	5/8	1/2	2-1/2
BTA49204	1-3/8	1/4	7/8	1/4	2-1/4
BTA49206	1-3/8	1/4	7/8	1/2	2-5/8

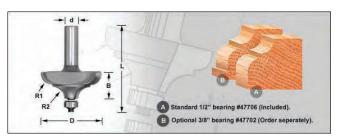


# **Ogee Filet Bits**

- 2 flute with ball bearing guide
- Other sizes available

	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA54127	2-1/4	3/8	15/16	1/2	2-7/8





#### **Classical Ogee Bits**

• 2 flute with ball bearing guide

	Large	Radius	Radius	Carbide	Shank	Overall
Cat. #	Dia	1	2	Height	Dia	Length
BTA54292	1-1/2	3/16	5/16	5/8	1/2	2-1/2

# Ogee Patterns • 2 flute with ball bearing guide

	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA54100	2	11/32	1-1/4	1/2	3-1/8
BTA54135	2	3/8	1	1/2	2-3/4

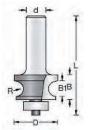


### **Wavy Edge Bits**

• 2 flute with ball bearing guide

	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA54180	1-1/4	5/32	11/16	1/4	2-1/4
BTA54182	1-1/4	5/32	11/16	1/2	2-5/8





### **Corner Beading Bits**

- 2 flute with ball bearing guide
- Other sizes available

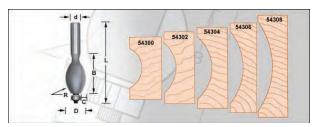
	'R'	Large	'A'	B Carbide	Shank	Overall
Cat. #	Radius	Dia	Opening	Height	Dia	Length
BTA54160	1/8	7/8	1/4	9/16	1/4	2-1/8
BTA54162	1/8	7/8	1/4	9/16	1/2	2-1/2

## 'Leaf Edge' Beading Bits

• 2 flute with double ball bearings

	R	Large	Carbide	Shank	Overall
Cat. #	Radius	Dia	Height	Dia	Length
BTA54190	3/16	1	1/2	1/4	2-1/2
BTA54192	1/4	1-1/8	5/8	1/4	2-5/8
BTA54194	3/8	1-3/8	7/8	1/4	2-7/8

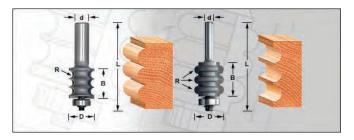
# Routing Bits =



#### **Edge Fluting Bits**

- 2 flute with ball bearing guide
- Other sizes available

Large		Depth	Carbide	Shank	Overall
Dia	Radius	of Cut	Height	Dia	Length
3/4	3/16	1/8	3/8	1/2	2-5/8
3/4	5/16	1/8	1/2	1/2	2-3/4
7/8	3/4	3/16	1	1/2	3-1/4
	Dia 3/4	Dia         Radius           3/4         3/16           3/4         5/16	Dia         Radius         of Cut           3/4         3/16         1/8           3/4         5/16         1/8	Dia         Radius         of Cut         Height           3/4         3/16         1/8         3/8           3/4         5/16         1/8         1/2	Dia         Radius         of Cut         Height         Dia           3/4         3/16         1/8         3/8         1/2           3/4         5/16         1/8         1/2         1/2



#### **Multi-Beading/Reeding Bits**

• 2 flute with ball bearing guide

	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA54211	7/8	1/8	1	1/4	2-5/8
BTA54213	7/8	1/8	1	1/2	3

#### **Multi-Fluting Bits**

• 2 flute with ball bearing guide

	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA54215	7/8	1/8	1	1/4	2-5/8
BTA54217	7/8	1/8	1	1/2	3



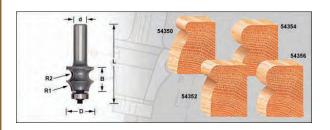


#### **Matched Bead Bits**

• 2 flute with ball bearing guide

	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA54184	1	1/8	5/8	1/2	2-1/2
BTA54186	1-1/4	3/16	1	1/2	2-7/8
BTA54188	2	1/4	1-1/4	1/2	3

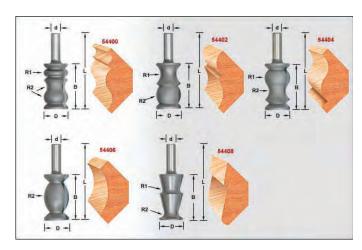
We stock Bosch bits as well and can cross reference bits for you.



#### **Drawing Line Bits**

• 2 flute with ball bearing guide

	Large	Radius	Radius	Carbide	Shank	Overall
Cat. #	Dia	1	2	Height	Dia	Length
BTA54350	1	1	3/32	7/8	1/2	2-3/4
BTA54354	1	19/32	5/32	7/8	1/2	2-3/4



#### **Crown Molding Bits**

- 2 flute with ball bearing guide
- Other sizes available

Large	Carbide	Shank	Overall
Dia	Height	Dia	Length
1-1/4	2-1/4	1/2	3-3/4
1-1/4	2-1/4	1/2	3-3/4
	Dia 1-1/4	Dia         Height           1-1/4         2-1/4	Dia         Height         Dia           1-1/4         2-1/4         1/2



# **Architectural Molding Bits**

- 2 flute with ball bearing guide
- Other sizes available

	R Bead	Large	Carbide	Shank	Overall
Cat. #	Radius	Dia	Height	Dia	Length
BTA54220	1/8	1	1-11/16	1/2	3-1/4
BTA54250	1/4	1-1/2	2	1/2	3-1/2
BTA54222	1-3/8	1/8	1-5/8	1/2	3-1/2

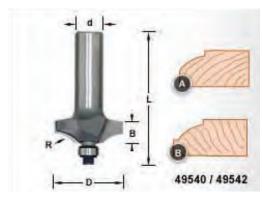
# Routing Bits



# **Special Interest** Molding Bits • 2 flute with ball bearing guide

- Other sizes available

	Large	Carbide	Shank	Overall
Cat. #	Dia	Height	Dia	Length
BTA54260	1-5/8	1-1/8	1/2	3



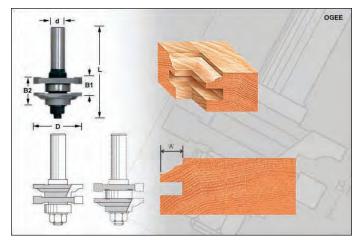
### Handrail/Table Edge Bits

- 2 flute with ball bearing guide
- Other sizes available

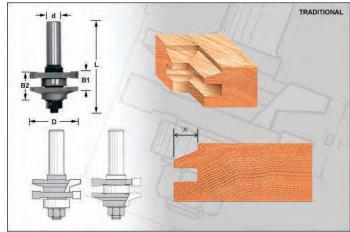
	Large	Radius	Carbide	Shank	Overall
Cat. #	Dia	1	Height	Dia	Length
BTA49550	2-3/4	1-3/4	5/8	1/2	2-1/2
BTA49554	2-1/2	3/8	3/4	1/2	2-3/4
BTA49556	2-1/2	3/8	3/4	1/2	2-3/4



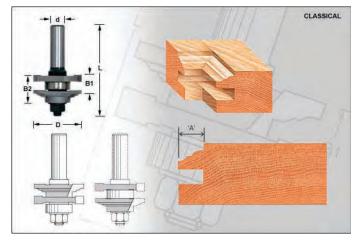
• Other types	s avamable					
		Large	Angle	Carbide	Shank	Overall
Cat. #	Туре	Dia	Degree	Height	Dia	Length
BTA54117	Traditional	3-3/8	15°	1/2	1/2	2-3/8
BTA54118	Ogee	2-5/8		5/8	1/2	2-1/2
BTA54121	Ogee	1-7/16		5/8	1/2	2-1/2
BTA54119	Cove	1-7/16		1/2	1/2	2-3/8



Ogee



Traditional

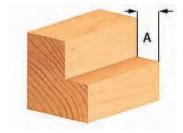


#### **Reversible Stile & Rail Assemblies**

		Tool	Carbide	Shank	Overall
Cat. #	Pattern Type	Dia	Height	Dia	Length
BTA55350	Ogee	1-5/8	7/8	1/2	3
BTA55370	Traditional	1-5/8	7/8	1/2	3
BTA55380	Classical	1-5/8	7/8	1/2	3

# Routing Bits =

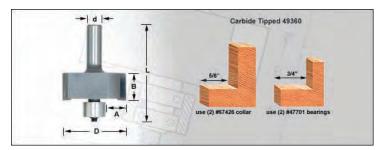




#### **Rabbeting Bits**

- 2 flute with ball bearing guide
- Depth of Rabbet 3/8"

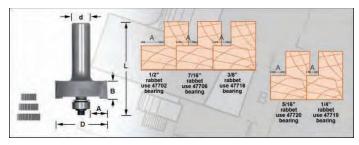
	Cutting	Cutting	Shank	Overall
Cat. #	Dia	Length	Dia	Length
BTA49300	1-1/4	1/2	1/4	2
BTA49302	1-1/4	1/2	1/2	2-3/8



#### **Superabbet Bit**

- 2 flute with 4 ball bearings
- Four different rabbet depths

		Cutting	Shank	Overall
Cat. #	Dia	Length	Dia	Length
BTA49360	2	7/8	1/2	3

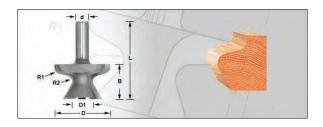


#### **Multi-Rabbeting Bits**

- 2 flute with 4 ball bearings
- Four different rabbet depths

		Cutting	Shank	Overall
Cat. #	Dia	Length	Dia	Length
BTA49340	1-3/8	1/2	1/4	2
BTA49350	1-3/8	1/2	1/2	2-3/8

We stock Bosch bits as well and can cross reference bits for you.



#### **Finger Grip Bit**

• Other sizes available

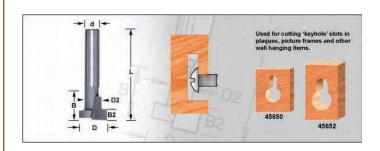
	Large	Each	Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA53812	2	1/4	1-1/4	1/2	2-3/4



#### **Door Lip Assembly**

- Corner round & tapper rabbet
- 2 Flute, complete assembly

			Carbide	Shank	Overall
Cat. #	Dia	Radius	Height	Dia	Length
BTA55300	1-9/16	3/8	1	1/2	3



#### **Keyhole Bit**

• Single Flute

	Large	Cutting	Shank	Overall
Cat. #	Dia	Depth	Dia	Length
BTA45650	3/8	3/8	1/4	1-1/2
BTA45652	1/2	3/8	1/4	1-1/2

# Nails & Fasteners

#### **Bright Common Wire Nails** #331

• Available in 5 lb packages and 50 lb kegs

		-	ut			
5 lb	50 lb					
Packag <u>e</u>	Kegs		Length	Gauge	Diameter	Approx. #
Cat. #	Cat. #	Size	Inches	Number	Hd. Gauge	per pound
HN33125	HN331250	2d	1	15	11/64	876
HN33135	HN331350	3d	1 1/4	14	13/64	568
HN33145	HN331450	4d	1 1/2	12 1/2	1/4	316
HN33165	HN331650	6d	2	11 1/2	17/64	181
HN33185	HN331850	8d	2 1/2	10 1/4	9/32	106
HN331105	HN3311050	10d	3	9	5/16	69
HN331165	HN3311650	16d	3 1/2	8	11/32	49
HN331205	HN3312050	20d	4	6	13/32	31
HN331405	HN3314050	40d	5	4	15/32	18
HN331605	HN3316050	60d	6	2	17/32	11

### **Bright Finishing Nails** #332

• Available in 5 lb packages and 50 lb kegs

5 lb	50 lb	шш	4			
Package	Kegs		Length	Gauge	Diameter	Approx. #
Cat. #	Cat. #	Size	Inches	Number	Hd. Gauge	per pound
HN332525	HN332250	2d	1	16 1/2	13 1/2	1351
HN332535	HN332350	3d	1 1/4	15 1/2	12 1/2	807
HN332545	HN332450	4d	1 1/2	15	12	584
HN332565	HN332650	6d	2	13	10	309
HN332585	HN332850	8d	2 1/2	12 1/2	9 1/2	189
HN3325105	HN3321050	10d	3	11 1/2	8 1/2	121
HN3325165	HN3321650	16d	3 1/2	11	8	90
HN3325205	HN3322050	20d	4	10	7	62

#### **Coated Common Wire Nails** #333

• Available in 5 lb packages and 50 lb kegs

		1			_	
5 lb	50 lb	-	71111			
Package	Kegs		Length	Gauge	Diameter	Approx. #
Cat. #	Cat. #	Size	Inches	Number	Hd. Gauge	per pound
HN333525	HN333250	2d	1	16	11/64	1084
HN333535	HN333350	3d	1 1/8	15 1/2	3/16	848
HN333545	HN333450	4d	1 3/8	14	7/32	488
HN333555	HN333550	5d	1 5/8	13 1/2	15/64	364
HN333565	HN333650	6d	1 7/8	13	1/4	275
HN333575	HN333750	7d	2	13	15/32	250
HN333585	HN333850	8d	2 1/8	12 1/2	17/64	212
HN33358B5	HN3338B50	8d	2 3/8	11 1/2	9/32	142
HN3335105	HN3331050	10d	2 7/8	11	19/64	104
HN3335165	HN3331650	16d	3 3/8	10	11/32	85

### **Coated Finishing Nails** #334

• Available in 5 lb packages and 50 lb kegs

						-
5 lb	50 lb					
Package	Kegs		Length	Gauge	Diameter	Approx. No.
Cat. #	Cat. #	Size	Inches	Number	Hd. Gauge	per pound
33425	334250	2d	1	16 1/2	13 1/2	1351
33435	334350	3d	1 1/4	15 1/2	12 1/2	807
33445	334450	4d	1 1/2	15	12	584
33465	334650	6d	2	13	10	309
33485	334850	8d	2 1/2	12 1/2	9 1/2	189
334105	3341050	10d	3	11 1/2	8 1/2	121

#### **Double Headed Nails** #337 (Duplex Nails)

• Available in 5 lb packages and 50 lb kegs

5 lb	50 lb	lb Pullum				
Package	Kegs		Lanath	Causa	Upper Head	Lower Head
Cat. #	Cat. #	Size	Length Inches	Gauge Number	Diameter	Diam-
eter	Cat. II	DIZC	menes	Tullibei	Diameter	Diam
33765	337650	6d	2 7/64	11 1/2	3/16	2 Ga.
33785	337850	8d	2 5/8	10 1/4	1/4	5/16
337105	3371050	10d	3 3/16	9	9/32	11/32

#### **Coated Scenery Nails** #336

#3365 (5 lb package)

#33650 (50 lb keg)

• Size: 3/4" length, 15 gauge



# **OOKS Nails Only**

Duty	# in pack
Light	100
Heavy	100
	Light



#### **Corrugated Fasteners** #320

• Packed 5 lbs/box

• We stock 1/2". The other sizes are special order.

Cat. #	Depth	Corrugations
3201/2	1/2"	5
3205/8	5/8"	5
3203/8	3/8"	6
3201/2	1/2"	6
3205/86	5/8"	6



# Bolts =



Cat. #		Cat. #	
BLCB316X12 BLCB316X58	3/16 x 1/2	BLCB14X12 BLCB14X58	1/4 x 1/2
BLCB316X58	3/16 x 5/8	BLCB14X58	1/4 x 5/8
BLCB316X34	3/16 x 3/4	BLCB14X34	1/4 x 3/4
BLCB316X1	3/16 x 1	BLCB14X1	1/4 x 1
BLCB316X114	3/16 x 1 1/4	BLCB14X114	1/4 x 1 1/4
BLCB316X112	3/16 x 1 1/2	BLCB14X112	1/4 x 1 1/2
BLCB316X112 BLCB316X13/4	3/16 x 1 3/4	BLCB14X134	1/4 x 1 3/4
BLCB316X2 BLCB316X214	3/16 x 2	BLCB14X2	1/4 x 2
BLCB316X214	3/16 x 2 1/4	BLCB14X214	1/4 x 2 1/4
BLCB316X212 BLCB316X234	3/16 x 2 1/2	BLCB14X212	1/4 x 2 1/2
BLCB316X234	3/16 x 2 3/4	BLCB14X234	1/4 x 2 3/4
BLCB316X3	3/16 x 3	BLCB14X3	1/4 x 3
BLCB316X3 BLCB316X314	3/16 x 3 1/4	BLCB14X314	1/4 x 3 1/4
BLCB316X312 BLCB316X334	3/16 x 3 1/2	BLCB14X312	1/4 x 3 1/2
BLCB316X334	3/16 x 3 3/4	BLCB14X334	1/4 x 3 3/4
BLCB316X4 BLCB316X412	3/16 x 4	BLCB14X4	1/4 x 4
BLCB316X412	3/16 x 4 1/2	BLCB14X412	
BLCB316X5 BLCB316X512	3/16 x 5	BLCB14X5 BLCB14X512	1/4 x 5
		BLCB14X512	1/4 x 5 1/2
BLCB316X6 BLCB316X612	3/16 x 6	BLCB14X512 BLCB14X6 BLCB14X612 BLCB14X7	1/4 x 6
BLCB316X612	3/16 x 6 1/2	BLCB14X612	1/4 x 6 1/2
BLCB316X7 BLCB316X712	3/16 x 7	BLCB14X7 BLCB14X712	1/4 x 7
BLCB316X712	3/16 x 7 1/2	BLCB14X712	1/4 x 7 1/2
BLCB316X8	3/16 x 8	BLCB14X8	1/4 x 8
Cat. #	Size (inches)	Cat. #	Size (inches)
BLCB516X34	5/16 x 3/4	Cat. # BLCB38X34	3/8 x 3/4
BLCB516X1	5/16 x 1	BLCB38X1	3/8 x 1
BLCB516X114	5/16 x 1 1/4	BLCB38X34 BLCB38X1 BLCB38X114 BLCB38X112	3/8 x 1 1/4
BLCB516X112 BLCB516X134	5/16 x 1 1/2 5/16 x 1 3/4	BLCB38X112	3/8 x 1 1/2
BLCB516X134	5/16 x 1 3/4	BLCB38X134	3/8 x 1 3/4
BLCB516X2 BLCB516X214	5/16 x 2	BLCB38X2	3/8 x 2
BLCB516X214	5/16 x 2 1/4	BLCB38X214	3/8 x 2 1/4
BLCB516X212 BLCB516X234	5/16 x 2 1/2	BLCB38X212	3/8 x 2 1/2
BLCB516X234	5/16 x 2 3/4	BLCB38X234	3/8 x 2 3/4
BLCB516X3 BLCB516X314	5/16 x 3	BLCB38X3	3/8 x 3
BLCB516X314	5/16 x 3 1/4	BLCB38X314	3/8 x 3 1/4
BLCB516X312 BLCB516X334	5/16 x 3 1/2	BLCB38X312	3/8 x 3 1/2
BLCB516X334	5/16 x 3 3/4	BLCB38X334	3/8 x 3 3/4
BLCB516X4 BLCB516X412	5/16 x 4	BLCB38X4	3/8 x 4
BLCB516X412	5/16 x 4 1/2	BLCB38X412	3/8 x 4 1/2
BLCB516X5 BLCB516X512	5/16 x 5	BLCB38X5	3/8 x 5
		BLCB38X512	3/8 x 5 1/2
BLCB516X6 BLCB516X612	5/16 x 6	BLCB38X6	3/8 x 6
BLCB516X612	5/16 x 6 1/2	BLCB38X612	3/8 x 6 1/2
BLCB516X7 BLCB516X712	5/16 x 7	BLCB38X7	3/8 x 7
BLCB516X712	5/16 x 7 1/2	BLCB38X712	3/8 x 7 1/2
BLCB516X8	5/16 x 8	BLCB38X712 BLCB38X8	3/8 x 8

#### **Stove Bolts**

• Made of steel





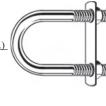
Flat	Round	
Head	Head	
<u>Cat. #</u>	Cat. #	Size (inches)
BLSBFH316X1	BLSBRH316X1	3/16 x 1
BLSBFH316X112	BLSBRH316X112	3/16 x 1 1/2
BLSBFH316X2	BLSBRH316X2	3/16 x 2
BLSBFH316X212	BLSBRH316X212	3/16 x 2 1/2
BLSBFH316X3	BLSBRH316X3	3/16 x 3
BLSBFH316X312	BLSBRH316X312	3/16 x 3 1/2
BLSBFH316X4	BLSBRH316X4	3/16 x 4
BLSBFH316X412	BLSBRH316X412	3/16 x 4 1/2
BLSBFH316X5	BLSBRH316X5	3/16 x 5
BLSBFH316X6	BLSBRH316X6	3/16 x 6
Flat	Round	
Head	Head	
Cat. #	Cat. #	Size (inches)
BLSBFH14X1	BLSBRH14X1	1/4 x 1
BLSBFH14X112	BLSBRH14X112	1/4 x 1 1/2
BLSBFH14X2	BLSBRH14X2	1/4 x 2
BLSBFH14X212	BLSBRH14X212	1/4 x 2 1/2
BLSBFH14X3	BLSBRH14X3	1/4 x 3
BLSBFH14X312	BLSBRH14X312	1/4 x 3 1/2
BLSBFH14X4	BLSBRH14X4	1/4 x 4
BLSBFH14X412	BLSBRH14X412	1/4 x 4 1/2
BLSBFH14X5	BLSBRH14X5	1/4 x 5
BLSBFH14X6	BLSBRH14X6	1/4 x 6
T71 4		
Flat	Round	
Flat Head	Round Head	

Flat	Round	
Head	Head	
Cat. #	Cat. #	Size (inches)
BLSBFH38X1	BLSBRH38X1	3/8 x 1
BLSBFH38X112	BLSBRH38X112	3/8 x 1 1/2
BLSBFH38X2	BLSBRH38X2	3/8 x 2
BLSBFH38X212	BLSBRH38X212	3/8 x 2 1/2
BLSBFH38X3	BLSBRH38X3	3/8 x 3
BLSBFH38X312	BLSBRH38X312	3/8 x 3 1/2
BLSBFH38X4	BLSBRH38X4	3/8 x 4
BLSBFH38X412	BLSBRH38X412	3/8 x 4 1/2
BLSBFH38X5	BLSBRH38X5	3/8 x 5
BLSBFH38X6	BLSBRH38X6	3/8 x 6

#### **U-Bolts**

• Recommended for support, anchor or guide of pipe

unemor or g	arac or pipe	/
		Max. Rec.
Cat. #	Pipe Size	Loads (lbs.)
BLUB12	1/2"	485
BLUB34	3/4"	485
BLUB1	1"	485
BLUB114	1 1/4"	1220
BLUB112	1 1/2"	1220
BLUB2	2"	1220
BLUB212	2 1/2"	2260
BLUB3	3"	2260
BLUB312	3 1/2"	2260



Cat. #	Pipe Size	Loads (lbs.)
BLUB4	4"	2260
BLUB5	5"	2260
BLUB6	6"	3620
BLUB8	6"	3620
BLUB10	10"	5420
BLUB12	12"	7540
BLUB14	14"	7540
BLUB16	16"	7540
BLUB18	18"	9920
BLUB20	20"	9920
BLUB24	24"	9920

Max. Rec.



# Hanger Bolts • Made of steel

- Pack of 100

<u>Cat. #</u>	Size (inches)
BLHB316X112	3/16 x 1 1/2
BLHB316X2	3/16 x 2
BLHB316X3	3/16 x 3
BLHB14X2	1/4 x 2
BLHB14X212	1/4 x 2 1/2
BLHB14X3	1/4 x 3

#### **Machine Bolts**

- Made of steel
- Available with Hex Head only

Grade 2					
<u>Cat.</u> #	Size (inches)	Cat. #	Size (inches)	Cat. #	Size (inches)
BLM214X12	1/4 x 1/2	BLM2516X12	5/16 x 1/2	BLM238X12	3/8 x 1/2
BLM214X58	1/4 x 5/8	BLM2516X58	5/16 x 5/8	BLM238X58	3/8 x 5/8
BLM214X34	1/4 x 3/4	BLM2516X34	5/16 x 3/4	BLM238X34	3/8 x 3/4
BLM214X78	1/4 x 7/8	BLM2516X78	5/16 x 7/8	BLM238X78	3/8 x 7/8
BLM214X1	1/4 x 1	BLM2516X1	5/16 x 1	BLM238X1	3/8 x 1
BLM214X114	1/4 x 1 1/4	BLM2516X114	5/16 x 1 1/4	BLM238X114	3/8 x 1 1/4
BLM214X112	1/4 x 1 1/2	BLM2516X112	5/16 x 1 1/2	BLM238X112	3/8 x 1 1/2
BLM214X134	1/4 x 1 3/4	BLM2516X134	5/16 x 1 3/4	BLM238X134	3/8 x 1 3/4
BLM214X2	1/4 x 2	BLM2516X2	5/16 x 2	BLM238X2	3/8 x 2
BLM214X214	1/4 x 2 1/4	BLM2516X214	5/16 x 2 1/4	BLM238X214	3/8 x 2 1/4
BLM214X212	1/4 x 2 1/2	BLM2516X212	5/16 x 2 1/2	BLM238X212	3/8 x 2 1/2
BLM214X234	1/4 x 2 3/4	BLM2516X234	5/16 x 2 3/4	BLM238X234	3/8 x 2 3/4
BLM214X3	1/4 x 3	BLM2516X3	5/16 x 3	BLM238X3	3/8 x 3
BLM214X314	1/4 x 3 1/4	BLM2516X314	5/16 x 3 1/4	BLM238X314	3/8 x 3 1/4
BLM214X312	1/4 x 3 1/2	BLM2516X312	5/16 x 3 1/2	BLM238X312	3/8 x 3 1/2
BLM214X334	1/4 x 3 3/4	BLM2516X334	5/16 x 3 3/4	BLM238X334	3/8 x 3 3/4
BLM214X4	1/4 x 4	BLM2516X4	5/16 x 4	BLM238X4	3/8 x 4
BLM214X412	1/4 x 4 1/2	BLM2516X412	5/16 x 4 1/2	BLM238X412	3/8 x 4 1/2
BLM214X5	1/4 x 5	BLM2516X5	5/16 x 5	BLM238X5	3/8 x 5
BLM214X512	1/4 x 5 1/2	BLM2516X512	5/16 x 5 1/2	BLM238X512	3/8 x 5 1/2
BLM214X6	1/4 x 6	BLM2516X6	5/16 x 6	BLM238X6	3/8 x 6
BLM214X612	1/4 x 6 1/2	BLM2516X612	5/16 x 6 1/2	BLM238X612	3/8 x 6 1/2
BLM214X7	1/4 x 7	BLM2516X7	5/16 x 7	BLM238X7	3/8 x 7
BLM214X712	1/4 x 7 1/2	BLM2516X712	5/16 x 7 1/2	BLM238X712	3/8 x 7 1/2
BLM214X8	1/4 x 8	BLM2516X8	5/16 x 8	BLM238X8	3/8 x 8

Grade 5 (note:	1/2", 5/8", 3/4" are also avail	able in this grade	)		
Cat. #	Size (inches)	Cat. #	Size (inches)	Cat. #	Size (inches)
BLM514X12	1/4 x 1/2	BLM5516X12	5/16 x 1/2	BLM538X12	3/8 x 1/2
BLM514X58	1/4 x 5/8	BLM5516X58	5/16 x 5/8	BLM538X58	3/8 x 5/8
BLM514X34	1/4 x 3/4	BLM5516X34	5/16 x 3/4	BLM538X34	3/8 x 3/4
BLM514X78	1/4 x 7/8	BLM5516X78	5/16 x 7/8	BLM538X78	3/8 x 7/8
BLM514X1	1/4 x 1	BLM5516X1	5/16 x 1	BLM538X1	3/8 x 1
BLM514X114	1/4 x 1 1/4	BLM5516X114	5/16 x 1 1/4	BLM538X114	3/8 x 1 1/4
BLM514X112	1/4 x 1 1/2	BLM5516X112	5/16 x 1 1/2	BLM538X112	3/8 x 1 1/2
BLM514X134	1/4 x 1 3/4	BLM5516X134	5/16 x 1 3/4	BLM538X134	3/8 x 1 3/4
BLM514X2	1/4 x 2	BLM5516X2	5/16 x 2	BLM538X2	3/8 x 2
BLM514X214	1/4 x 2 1/4	BLM5516X214	5/16 x 2 1/4	BLM538X214	3/8 x 2 1/4
BLM514X212	1/4 x 2 1/2	BLM5516X212	5/16 x 2 1/2	BLM538X212	3/8 x 2 1/2
BLM514X234	1/4 x 2 3/4	BLM5516X234	5/16 x 2 3/4	BLM538X234	3/8 x 2 3/4
BLM514X3	1/4 x 3	BLM5516X3	5/16 x 3	BLM538X3	3/8 x 3
BLM514X314	1/4 x 3 1/4	BLM5516X314	5/16 x 3 1/4	BLM538X314	3/8 x 3 1/4
BLM514X312	1/4 x 3 1/2	BLM5516X312	5/16 x 3 1/2	BLM538X312	3/8 x 3 1/2
BLM514X334	1/4 x 3 3/4	BLM5516X334	5/16 x 3 3/4	BLM538X334	3/8 x 3 3/4
BLM514X4	1/4 x 4	BLM5516X4	5/16 x 4	BLM538X4	3/8 x 4
BLM514X412	1/4 x 4 1/2	BLM5516X412	5/16 x 4 1/2	BLM538X412	3/8 x 4 1/2
BLM514X5	1/4 x 5	BLM5516X5	5/16 x 5	BLM538X5	3/8 x 5
BLM514X512	1/4 x 5 1/2	BLM5516X512	5/16 x 5 1/2	BLM538X512	3/8 x 5 1/2
BLM514X6	1/4 x 6	BLM5516X6	5/16 x 6	BLM538X6	3/8 x 6
BLM514X612	1/4 x 6 1/2	BLM5516X612	5/16 x 6 1/2	BLM538X612	3/8 x 6 1/2
BLM514X7	1/4 x 7	BLM5516X7	5/16 x 7	BLM538X7	3/8 x 7
BLM514X712	1/4 x 7 1/2	BLM5516X712	5/16 x 7 1/2	BLM538X712	3/8 x 7 1/2
BLM514X8	1/4 x 8	BLM5516X8	5/16 x 8	BLM538X8	3/8 x 8

# Bolts & Screws

### **Machine Bolts (continued)**

Cat. #	Size (inches)	Cat. #	Size (inches)	Cat. #	Size (inches)
BLM814X12	1/4 x 1/2	BLM8516X12	5/16 x 1/2	BLM838X12	3/8 x 1/2
BLM814X58	1/4 x 5/8	BLM8516X58	5/16 x 5/8	BLM838X58	3/8 x 5/8
BLM814X34	1/4 x 3/4	BLM8516X34	5/16 x 3/4	BLM838X34	3/8 x 3/4
BLM814X78	1/4 x 7/8	BLM8516X78	5/16 x 7/8	BLM838X78	3/8 x 7/8
BLM814X1	1/4 x 1	BLM8516X1	5/16 x 1	BLM838X1	3/8 x 1
BLM814X114	1/4 x 1 1/4	BLM8516X114	5/16 x 1 1/4	BLM838X114	3/8 x 1 1/4
BLM814X112	1/4 x 1 1/2	BLM8516X112	5/16 x 1 1/2	BLM838X112	3/8 x 1 1/2
BLM814X134	1/4 x 1 3/4	BLM8516X134	5/16 x 1 3/4	BLM838X134	3/8 x 1 3/4
BLM814X2	1/4 x 2	BLM8516X2	5/16 x 2	BLM838X2	3/8 x 2
BLM814X214	1/4 x 2 1/4	BLM8516X214	5/16 x 2 1/4	BLM838X214	3/8 x 2 1/4
BLM814X212	1/4 x 2 1/2	BLM8516X212	5/16 x 2 1/2	BLM838X212	3/8 x 2 1/2
BLM814X234	1/4 x 2 3/4	BLM8516X234	5/16 x 2 3/4	BLM838X234	3/8 x 2 3/4
BLM814X3	1/4 x 3	BLM8516X3	5/16 x 3	BLM838X3	3/8 x 3
BLM814X314	1/4 x 3 1/4	BLM8516X314	5/16 x 3 1/4	BLM838X314	3/8 x 3 1/4
BLM814X312	1/4 x 3 1/2	BLM8516X312	5/16 x 3 1/2	BLM838X312	3/8 x 3 1/2
BLM814X334	1/4 x 3 3/4	BLM8516X334	5/16 x 3 3/4	BLM838X334	3/8 x 3 3/4
BLM814X4	1/4 x 4	BLM8516X4	5/16 x 4	BLM838X4	3/8 x 4
BLM814X412	1/4 x 4 1/2	BLM8516X412	5/16 x 4 1/2	BLM838X412	3/8 x 4 1/2
BLM814X5	1/4 x 5	BLM8516X5	5/16 x 5	BLM838X5	3/8 x 5
BLM814X512	1/4 x 5 1/2	BLM8516X512	5/16 x 5 1/2	BLM838X512	3/8 x 5 1/2
BLM814X6	1/4 x 6	BLM8516X6	5/16 x 6	BLM838X6	3/8 x 6
BLM814X612	1/4 x 6 1/2	BLM8516X612	5/16 x 6 1/2	BLM838X612	3/8 x 6 1/2
BLM814X7	1/4 x 7	BLM8516X7	5/16 x 7	BLM838X7	3/8 x 7
BLM814X712	1/4 x 7 1/2	BLM8516X712	5/16 x 7 1/2	BLM838X712	3/8 x 7 1/2
BLM814X8	1/4 x 8	BLM8516X8	5/16 x 8	BLM838X8	3/8 x 8

Sheet Metal Screws
• Pan head phillips and flat head phillips

Pan	Flat	
Head	Head	
Cat. #	Cat. #	Size (inches)
SWPH14X4	SWFH14X4	1/4 x 4
SWPH38X4	SWFH38X4	3/8 x 4
SWPH12X4	SWFH12X4	1/2 x 4
SWPH58X4	SWFH58X4	5/8 x 4
SWPH34X4	SWFH34X4	3/4 x 4
SWPH1X4	SWFH1X4	1 x 4
SWPH14X6	SWFH14X6	1/4 x 6
SWPH38X6	SWFH38X6	3/8 x 6
SWPH12X6	SWFH12X6	1/2 x 6
SWPH58X6	SWFH58X6	5/8 x 6
SWPH34X6	SWFH34X6	3/4 x 6
SWPH78X6	SWFH78X6	7/8 x 6
SWPH1X6	SWFH1X6	1 x 6
SWPH114X6	SWFH114X6	1 1/4 x 6
SWPH112X6	SWFH112X6	1 1/2 x 6
SWPH2X6	SWFH2X6	2 x 6
SWPH38X7	SWFH38X7	3/8 x 7
SWPH12X7	SWFH12X7	1/2 x 7
SWPH58X7	SWFH58X7	5/8 x 7
SWPH34X7	SWFH34X7	3/4 x 7
SWPH78X7	SWFH78X7	7/8 x 7
SWPH1X7	SWFH1X7	1 x 7

# Pan Head Shown

Pan	Flat	
Head	Head	
Cat. #	Cat. #	Size (inches)
SWPH14X8	SWFH14X8	1/4 x 8
SWPH38X8	SWFH38X8	3/8 x 8
SWPH12X8	SWFH12X8	1/2 x 8
SWPH58X8	SWFH58X8	5/8 x 8
SWPH34X8	SWFH34X8	3/4 x 8
SWPH78X8	SWFH78X8	7/8 x 8
SWPH1X8	SWFH1X8	1 x 8
SWPH114X8	SWFH114X8	1 1/4 x 8
SWPH112X8	SWFH112X8	1 1/2 x 8
SWPH2X8	SWFH2X8	2 x 8
SWPH34X10	SWFH34X10	3/4 x 10
SWPH78X10	SWFH78X10	7/8 x 10
SWPH1X10	SWFH1X10	1 x 10
SWPH114X10	SWFH114X10	1 1/4 x 10
SWPH112X10	SWFH112X10	1 1/2 x 10
SWPH2X10	SWFH2X10	2 x 10
SWPH1X12	SWFH1X12	1 x 12
SWPH114X12	SWFH114X12	1 1/4 x 12
SWPH112X12	SWFH112X12	1 1/2 x 12
SWPH2X12	SWFH2X12	2 x 12

# **Drywall Screws**



100 per box		1000 per box	
Cat. #	Dia. x lgth (in)	Cat. #	Dia. x lgth (in)
DSFT6X1C	6 x 1	DSFT6X1M	6 x 1
DSFT6X118C	6 x 1 1/8	DSFT6X118M	6 x 1 1/8
DSFT6X114C	6 x 1 1/4	DSFT6X114M	6 x 1 1/4
DSFT6X158C	6 x 1 5/8	DSFT6X158M	6 x 1 5/8
DSFT6X2C	6 x 2	DSFT6X2M	6 x 2
DSFT6X214C	6 x 2 1/4	DSFT6X214M	6 x 2 1/4
DSFT8X212C	8 x 2 1/2	DSFT8X212M	8 x 2 1/2
DSFT8X3C	8 x 3	DSFT8X3M	8 x 3
DSFT8X312C	8 x 3 1/2		
DSFT8X4C	8 x 4		
DSFT8X412C	8 x 4 1/2		
DSFT8X5C	8 x 5		
DSFT8X512C	8 x 5 1/2		

Course Thread

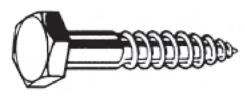
1 lb		Bulk		
Cat. #	Size (in)	Cat. #	Size (in)	# in Box
DSCT1	1	DSCT1B	1	5000
DSCT118	1 1/8	DSCT118B	1 1/8	4000
DSCT114	1 1/4	DSCT114B	1 1/4	4000
DSCT158	1 5/8	DSCT158B	1 5/8	3000
DSCT2	2	DSCT2B	2	3500
DSCT214	2 1/4	DSCT214B	2 1/4	2000
DSCT212	2 1/2	DSCT212B	2 1/2	1500
DSCT3	3	DSCT3B	3	1250

# Bolts, Shields & Plugs

#### **Lag Bolts**

- Made of steel
- 100 per pack

Size (inches) 3/8 x 1/2
3/8 x 1/2
3/8 x 5/8
3/8 x 3/4
3/8 x 7/8
3/8 x 1
3/8 x 1 1/4
3/8 x 1 1/2
3/8 x 1 3/4
3/8 x 2
3/8 x 2 1/4
3/8 x 2 1/2
3/8 x 2 3/4
3/8 x 3
3/8 x 3 1/4
3/8 x 3 1/2
3/8 x 3 3/4
3/8 x 4
3/8 x 4 1/2
3/8 x 5
3/8 x 5 1/2
3/8 x 6
3/8 x 6 1/2
3/8 x 7
3/8 x 7 1/2
3/8 x 8



Cat. #	Size (inches)
BLLB14X12	1/4 x 1/2
BLLB14X58	1/4 x 5/8
BLLB14X34	1/4 x 3/4
BLLB14X78	1/4 x 7/8
BLLB14X1	1/4 x 1
BLLB14X114	1/4 x 1 1/4
BLLB14X112	1/4 x 1 1/2
BLLB14X134	1/4 x 1 3/4
BLLB14X2	1/4 x 2
BLLB14X214	1/4 x 2 1/4
BLLB14X212	1/4 x 2 1/2
BLLB14X234	1/4 x 2 3/4
BLLB14X3	1/4 x 3
BLLB14X314	1/4 x 3 1/4
BLLB14X312	1/4 x 3 1/2
BLLB14X334	1/4 x 3 3/4
BLLB14X4	1/4 x 4
BLLB14X412	1/4 x 4 1/2
BLLB14X5	1/4 x 5
BLLB14X512	1/4 x 5 1/2
BLLB14X6	1/4 x 6

Cat. #	Size (inches)
BLLB516X12	5/16 x 1/2
BLLB516X58	5/16 x 5/8
BLLB516X34	5/16 x 3/4
BLLB516X78	5/16 x 7/8
BLLB516X1	5/16 x 1
BLLB516X114	5/16 x 1 1/4
BLLB516X112	5/16 x 1 1/2
BLLB516X134	5/16 x 1 3/4
BLLB516X2	5/16 x 2
BLLB516X214	5/16 x 2 1/4
BLLB516X212	5/16 x 2 1/2
BLLB516X234	5/16 x 2 3/4
BLLB516X3	5/16 x 3
BLLB516X314	5/16 x 3 1/4
BLLB516X312	5/16 x 3 1/2
BLLB516X334	5/16 x 3 3/4
BLLB516X4	5/16 x 4
BLLB516X412	5/16 x 4 1/2
BLLB516X5	5/16 x 5
BLLB516X512	5/16 x 5 1/2
BLLB516X6	5/16 x 6



#### Lag Shields

- Made of steel
- 100 per pack
- Long style 2 1/2" long
- Short style 1 5/8"

Direct Style	1 0.0
Cat. #	Size (inches)
BLLB14S	1/4 Short
BLLB14L	1/4 Long
BLLB516S	5/16 Short
BLLB516L	5/16 Long
BLLB38S	3/8 Short
BLLB38L	3/8 Long
BLLB12S	1/2 Short
BLLB12L	1/2 Long
BLLB58S	5/8 Short
BLLB58L	5/8 Long
BLLB34S	3/4 Short
BLLB34L	3/4 Long



### **Double Expansion Shields**

• For use with machine bolts

Cat. #	Size	Quantity
DES14	1/4"	50
DES516	5/16"	50
DES38	3/8"	50
DES12	1/2"	25

# Toggler™ Toggle Bolts

#25DC

- Can put a 3/8" bolt through it
- Adjustable length

### **Toggle Wings Only**

• Standard Carbon Steel Wing

Cat. #	Sizes	Quantity
TW4020	3/16"	100
TW4220	1/4"	100
TW4330	5/16"	50
TW4430	3/8"	50





#### **Bantam Plugs**

• Plastic screw anchor

Cat. #	Sizes	Quantity
BP7559	6-8 x 3/4"	100
BP7569	8-10 x 7/8"	100
BP7579	10-12 x 1"	100
BP7589	14-16 x 1 1/2"	50



#### **Rawl Scru-Leads**

- A fast, flexible lead screw anchor for use with wood, sheet metal or lag screws
- 25 per box

	Screw Size &	
Cat. #	Anchor Lgth (in)	Drill Size (in)
SL9410	6-8 x 3/4	1/4
SL9415	6-8 x 1	1/4
SL9420	6-8 x 1/2	1/4
SL9430	10-12-14 x 1	5/16
SL9440	10-12-14 x 1 1/2	5/16
SL9460	16-18 x 1 1/2	3/8

# Anchors, Nuts & Washers

#### Tapcons

• Contains 100 screws and 1 drill bit per box

• Contains 100 screws and 1 drill bit per box			
Hex Head	Phillips Flat		
Cat. #	Cat. #	Size	
THH316X114	TPH316X114	3/16" x 1 1/4"	
THH316X134	TPH316X134	3/16" x 1 3/4"	
THH316X214	TPH316X214	3/16" x 2 1/4"	
THH316X234	TPH316X234	3/16" x 2 3/4"	
THH316X314	TPH316X314	3/16" x 3 1/4"	
THH316X334	TPH316X334	3/16" x 3 3/4"	
THH316X4	TPH316X4	3/16" x 4"	
THH14X114	TPH14X114	1/4" x 1 1/4" 🌹 🎩	
THH14X134	TPH14X134	1/4" x 1 3/4"	
THH14X214	TPH14X214	1/4" x 2 1/4"	
THH14X234	TPH14X234	1/4" x 2 3/4"	
THH14X314	TPH14X314	1/4" x 3 1/4" Tapcon Tool & drill	
THH14X334	TPH14X334	1/4" x 3 3/4" bits see page 109.	
THH14X4	TPH14X4	1/4" x 4"	

# **Toggle Bolts - with Wings**

- Rustproof spring action toggle bolts
- Easily installed in hollow walls, wallboard, etc.
- 50 per box

Round	Flat	
Head	Head	Size
Cat. #	Cat. #	Dia. x lgth (in)
TBRH316X2	TBFH316X2	3/16 x 2
TBRH316X3	TBFH316X3	3/16 x 3
TBRH316X4	TBFH316X4	3/16 x 4
TBRH316X5	TBFH316X5	3/16 x 5
TBRH316X6	TBFH316X6	3/16 x 6
TBRH14X3	TBFH14X3	1/4 x 3
TBRH14X4	TBFH14X4	1/4 x 4
TBRH14X5	TBFH14X5	1/4 x 5
TBRH14X6	TBFH14X6	1/4 x 6
TBRH516X3	TBFH516X3	5/16 x 3
TBRH516X4	TBFH516X4	5/16 x 4
TBRH516X5	TBFH516X5	5/16 x 5
TBRH516X6	TBFH516X6	5/16 x 6
TBRH38X3	TBFH38X3	3/8 x 3
TBRH38X4	TBFH38X4	3/8 x 4
TBRH38X5	TBFH38X5	3/8 x 5
TBRH38X6	TBFH38X6	3/8 x 6

#### Grade 2

- Plated U.S.S.
- 100 per box

Cat. #	Size (in)
HN250632	6/32
HN250832	8/32
HN2501024	10/24
HN25014	1/4
HN250516	5/16
HN25038	3/8
HN25012	1/2
HN25058	5/8
HN25034	3/4
HN2501	1

#### **Steel Hex Nuts**



#### Grade 5

- Plated U.S.S.
- 100 per box Cat. # Size (in) HN255516 5/16 HN25514 1/4 HN255316 3/16 HN25558 5/8 HN25512 1/2 HN25534 3/4

#### Grade 8

- Plated U.S.S.
- 100 per box

Cat. #	Size (in)
HN258516	5/16
HN25814	1/4
HN258316	3/16
HN25858	5/8
HN25812	1/2
HN25834	3/4



# **Nylocks Nuts**

- Plated U.S.S.
- 100 per box

Cat. #	Size (in)
HN25114	1/4
HN25138	3/8
HN251516	5/16
HN25158	5/8
HN25112	1/2

# **Torque** Washer

#### #H2536

- Used to prevent the head of a carriage bolt from turning
- Each washer has 4 sharp teeth to firmly bite into wood
- 3/8" only

Washers



### Lock Washers

- Made of steel • Made of steel
- Packed in a 5 lb box

Size (inches)
3/16
1/4
5/16
3/8
1/2

- Pack of 100
- Size (inches) Cat. # BLLW316C 3/16 BLLW14C 1/4 BLLW516C 5/16 BLLW38C 3/8 BLLW12C 1/2



FACK OF TOOU	
Cat. #	Size (inches)
BLLW316M	3/16
BLLW14M	1/4
BLLW516M	5/16
BLLW38M	3/8
BLLW12M	1/2

Dock of 1000

#### Tee-Nut

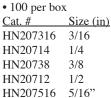
H25383/8

• Puts steel thread into wood, ideal for use with stove bolts, machine screws or threaded rod. Threade

Tilleaus			
Size	per Inch		
3/16	24		
1/4	20		
5/16	18		
	Size 3/16 1/4		

3/8







16

#### **Picture Hooks "Twist"**

Cat. #	Holding lbs	Description
SW28BL10	10	Hanger and Nail
SW28BL20	20	Hanger and Nail
SW28BL30	30	Hanger and Nail
SW28BL50	50	Hanger and Nail
SW28BL100	100	Hanger and Nail



#### **Command Hooks**

- •Holds strongly. Comes off cleanly with no surface damage.
- Contains 1 white plastic hook with 2 strips of Commando Adhesive

z strips of community framesive			
Cat. #	Size	Holds	
GP17004	Jumbo	7.5 lbs	
GP17003	Large	5 lbs	
GP17001	Medium	3 lbs	
GP17002	Small	1 lb	
GP17200	Adhesive Tabs		
	8-small, 4-medium, 4-large		



#### **OOKS**

-with nails		
Cat. #	Holding lbs	# in pac
SWOOK10	10	100
SWOOK20	20	100
SWOOK30	30	100
SWOOK50	50	100
SWOOK75	75	100
SWOOK100	100	1





#### **OOKS Value Pack**

#SWOOKVP

• 17 various hooks with nails



#### **OOKS Nails Only**

Cat. #	Duty	# in pack
H50000	Light	100
H50009	Heavy	100



#### **Saw Tooth Hangers**

• Used on pictures to facilitate hanging.

<u>Cat. #</u>	<u>Size</u>
H5287	Short - 1 3/4"
H5265	Long - 2 5/8"

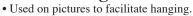


#### **Command Saw Tooth Hangers**

• Used on pictures to facilitate hanging.

Cat. #	Size	Holds
GP17040	3" x 1"	5 lbs

# **Command Wire Back Picture Hanger**



• Easy to put up and allows you to align frame

Cat. #	Size	Holds
GP17041	3" x 1"	5 lbs



### **Moulding Hooks**

•3M Brand

Cat. #	Size	Description
H17040	3/16" wide	Brass - Narrow

· Economy Brand

Cat. #	Size	Description
H5570	3/16" wide	Brass - Narrow
H5573	1/2" wide	Zinc - Wide



#### **Brass Cup Hook**

• Length is from bottom of the cup to outside of rounded end

0	
Cat #	Length
SN2811/2	1/2"
SN2815/8	5/8"
SN2813/4	3/4"
SN2817/8	7/8"
SN2811	1"
SN2811/4	1 1/4"
SN2811/2	1 1/2"



#### "S" Hooks

• Made of blunt wrought steel with a plain finish

Cat #	Sizes
CT27111/2	1 1/2"
CT2712	2"
CT27121/2	2 1/2"
CT2713	3"



# **Light Duty "S" Hooks**

• Made of wrought steel wire with a plain finish

Cat #	Sizes
CT2831	1"
CT28311/4	1 1/4"
CT28315/8	1 5/8"
CT2832	2"



#8597Z (zinc plated)

#8597B (brass plated)

• All purpose hooks for hanging frameless pictures or props to wallboard or curtains



# Screw Eyes ==



### **Medium Eye Pattern**

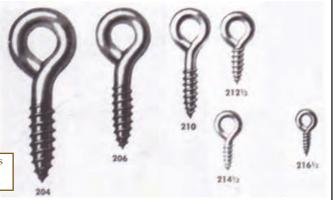
• Packed 100 per box Cat. # Size SE3675106 106 108 SE3675108 SE3675110 110 SE3675112 112 SE3675114 114



### **Small Eye Pattern**

• Packed 100 per box Cat. # Size SE3675206 206 210 SE3675210 SE367521212 212 1/2 SE367521412 214 1/2 SE367521612 216 1/2

> To simplify ordering, pictures shown are close to full size.





# **Bright Steel Gate Hook and Eyes**

Cat. #	Size	Cat. #	Size
SE2401	1"	SE2403	3"
SE240112	1 1/2"	SE2404	4"
SE2402	2"	SE2405	5"
SE240212	2 1/2"	SE2406	6"

# Hooks & Snaps

#### **Double End Bolt Snap**

- Both ends have a sliding bolt with covered brass coil springs
- · Nickel plated finish

Cat #	Overall Length
SN2161	3 1/4"
SN2162	4"



#### Rigid Eye Strap Snap

- One end has a loop eye for strap and the other end has a flat spring eye
- · Nickel plated finish

Cat #	Overall Length
SN23401	1"
SN234011/2	1 1/2"



#### Rope Snap

#### #SN2427

- One end has a closed 5/8" eye and the other end has a sliding bolt with a covered brass coil spring
- Nickel plated finish



### **Bolt Chain Snap**

#### #SN2232

- One end has a hook and the other end has a sliding bolt with a covered brass coil spring
- · Nickel plated finish

# Swivel Eye Snap



#### #SN2437

- One end has a closed swivel 3/8" eye and the other end has a flat spring eye
- Nickel plated finish
- Overall length is 2 3/4"

# **Swivel Lead Snap**



#### #SN2734

- One end has a 3/8" swivel eye and the other end has a flat spring eye
- Nickel plated finish
- Overall length is 2 1/2"

# **Swivel Bolt Snap**



#### #SN2225

- One end has a closed 5/8" swivel eye and the other end has a sliding bolt with a brass covered spring
- Nickel plated finish
- Overall length is 3 1/4"

Also known as "Dog Snap"

# **Heavy Duty Swivel Eye Snap**



 One end has a large swivel eye and the other a large hook type eye with a heavy spring snap

	Eye	Overall	Hook Can
Size #	Diameter	Length	Swallow
1	5/8"	3 1/4"	5/16"
2	3/4"	3 3/4"	3/8"
3	3/4"	4 9/16"	1/2"
4	7/8"	4 3/4"	5/8"
5	1 1/8"	5 3/4"	3/4"
	1 2 3	Size #         Diameter           1         5/8"           2         3/4"           3         3/4"           4         7/8"	Size #         Diameter         Length           1         5/8"         3 1/4"           2         3/4"         3 3/4"           3         3/4"         4 9/16"           4         7/8"         4 3/4"

#### **Heavy Duty Snap**

 One end has a large fast eye and the other end has a large hook type eye with a heavy spring snap



		Eye	Overall	Hook Can
Cat #	Size #	Diameter	Length	Swallow
SN32491	1	5/8"	2 3/4"	5/16"
SN32492	2	3/4"	3 1/4"	3/8"
SN32493	3	3/4"	3 7/8"	1/2"

# **Heavy Duty Positive Snap**

#### with Grommet

#### #SN2995

- A positive snap for holding fast a 400 lb item
- Eyelet in small neck to retain cable
- Length: 2 1/4"

#### **Heavy Duty Positive Snap**

• A positive snap for holding fast a 400 lb item Cat. # Small Neck Diameter

SN2995NG1/4	1/4"
SN2995NG3/8	3/8"
SN2995NG1/2	1/2"



# **Drapery Spring Snap**

#### #SN2226

- Made of wrought steel and a nickel plated finish with a sturdy spring snap
- Easy way to hang curtains



# **Heavy Duty Rigid Snap** #SNHDRS

- Can hold up to 750 lbs
- 7/16 stock



#### **Swivel Hoist Hooks**

~	
Cat. #	Load
SNSHH1	1 Ton
SNSHH1.5	1.5 Tons



# Marking Products :



#### **Board Markers TZ1**

- Dry erase
- Used by cameramen
- Box of 10

Cat. # Color **MPBM** Black

#### **G2** Pilot Pens

- The best gel ink pen ever.
- Bold print
- Box of 12

DON OF IL	
Cat. #	Color
MPG2BK	Black
MPG2BL	Blue
MPG2RD	Red



### **Ticonderoga Dixon Pencils**

- #2 Soft Lead
- Sold Individually

Color Cat. # **MPDX** Pencil



#### China **Markers**

 Sold individually Fine Tip

Cat. #	Color
MPCMWH	White
MPCMYL	Yellov
MPCMBK	Black
MPCMRD	Red
MPCMBL	Blue
MPCMGR	Green



### **Felt Tip Markers**

Sold individually



Fine Nylon Tip		Regular Tip	
Cat. #	Color	Cat. #	Color
MPMFWH	White	MPMRWH	White
MPMFYL	Yellow	MPMRYL	Yellow
MPMFBK	Black	MPMRBK	Black
MPMFRD	Red	MPMRRD	Red
MPMFBL	Blue	MPMRBL	Blue
MPMFGR	Green	MPMRGR	Green
MPMFOR	Orange	MPMROR	Orange
MPMFSI	Silver	MPMRSI	Silver
MPMFGD	Gold	MPMRGD	Gold



#### **Grease Pencils**

- Used to mark steel and pipe
- Box of 12

<u>Cat. #</u> Color **MPSPWH** White

#### Chalk • Box of 12 Cat. # Color MPCYL Yellow MPCWH White **MPCC** Assorted Colors

#### Chalk Holder

 Sold Individually Color Cat. #

**MPCHA** Aluminum **MPCHP** Plastic

# Sidewalk Chalk • Pail of 20

Cat. # Color MPCS Assorted Colors



# **Sharpie Accent Highlighter Set**

- Chisel Tip
- 1 each: pink, blue, lt yellow, orange & dk yellow Cat. # Sold by MPSHS Set of 6

### **Uni Paint** Marker Set

- Oil based paint in a pen
- Fine Point
- 1 each: black, blue, green yellow, red & white

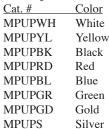
Cat. # Sold by **MPUPS** Set of 6



#### **Uni Paint**

#### Marker Individual

• Box of 12 Fine Tip







### **Sharpie Markers**

- Permanent (water resistant) and quick drying
- Fine point, Super point or Magnum

Cat. #	Style	Color So	old by
MPSBK	Fine	Black	12
MPSBL	Fine	Blue	12
MPSRD	Fine	Red	12
MPSGN	Fine	Green	12
MPSMBK	Magnum	Black	12
MPSMBL	Magnum	Blue	12
MPSMRD	Magnum	Red	12
MPSMGR	Magnum	Green	12
MPSS	Super	Assorted	4
(1 each: Black,	Red, Green & Blue)		
MPSRBK	Retractable/Fine	Black	12
MPSR3P	Retractable/Fine	Assorted	3
(1 each: Black,	Red & Blue)		
MPSTTBK	Twin Tip/Ultra Fine	Black	12
MPSTTRD	Twin Tip/Ultra Fine	Red	12
	_		

#### Marks-A-Lot Markers

- Permanent (water resistant) and quick drying
- Large chisel point
- Box of 12

Cat. #	Color
MPMALBK	Black
MPMALBL	Blue
MPMALRD	Red



# **Industrial Products**

#### Lubricants



Hitachi Pneumatic Tool Lubricant 3-In-One Household Oil Product MNPTL Lubricant-16 oz.



Product MN3IN1 3-In-One-4 oz.



WD-40 - Large Cat. # Product MNWD40 WD-40-11 oz.



WD-40 - Small Cat. # Product MNWD40S WD-40-2 oz.

### **Greases** & Fluid



3M Silicone Spray Cat. # Silicone Spray-10 oz KR1360



Multipurpose Grease Cat. # Product Grease-14 oz Tube MNG



White Lithium Grease <u>Cat. #</u> Product MNWLG Spray- 11 oz



Ronsonol Lighter Fluid Cat. # Product MNLF Lighter Fluid-12 oz

#### **Polishes**



Nevr-Dull Wadding Polish Cat. # Product Nevr-Dull Can-5 oz MNND



Noxon 7 Metal Polish Cat. # Product MNNOX Noxon 7- 12 oz.



Brillianize Plastic Cleaner Cat. # Product MNWLG Spray- 8 oz. MNBRIG Gallon-128 oz.



Novus Scratch remover Cat. # Product MNN3 Novus-8 oz.

# Paint & **Adhesive** Removers



Goof Off Graffiti Remover Product Cat. # MNGO Goof Off - 16 oz



Goo Gone - Goo & Stain Remover OOPS Cat. # Product MNGG Goo Gone-8 oz.



Cat. # Product MNOO Oops-16 oz.



Afta Adhesive Remover Cat. # **Product** MNAF Aftra -4 oz.

# Cleaning Products



Antibacterial Action Spray Cat. # Product MNLYS Lysol Spray-19 oz.



Toilet Bowl Cleaner with Bleach Product MNLYT Lysol Bowl-16 oz.



Sanitizing Wipes Cat. # Product MNLYW Lysol Wipes-35



All purpose Cleaner Spray Cat. # Product **MNLYC** Lysol Cleaner-32 oz.



Windex Original Spray Product MNWIN Windex Spray-26 oz.



Windex Original Refill Cat. # Product MNWING Windex Refill-128 oz.



Windex Aerosol Cat. # Product MNWINA Windex Aerosol-20 oz



Cat. # Product

Glass Plus-32 oz.

MNGP

**Glass Cleaners** 

Lysol

**Disinfectant Products** 



Fantastik Heavy Duty Formula Cat. # Product MNFAN Fantastik Spray-32 oz.



Formula 409 Cat. # Product MN409 409 Spray-32 oz.



Simple Green-Non-Toxic Cat. # Product MNSG Simple Green-16 oz.



General **Cleaners** 

Pine Sol Disinfectant Product Cat. # **MNPS** Pine Sol-28 oz.



Palmolive Dish Soap Cat. # Product Palmolive-16 oz. **MNPM** 



Brillo Pads Cat. # Product **MNBP** Brillo Pads-18 pads



Soft Scrub with Bleach Cat. # Product Soft Scrub- 24 oz **MNSS** 



Comet Cleanser Cat. # Product MNCOM Comet- 21 oz.

Soaps & Scrubs

# **Cleaning Products**

### **Dusting Products**



**Dust Off Plus** Cat. # Product MNDPS Dust Off Plus-10 oz.



Dust Off Plus Refill Cat. # Product MNDPSR Refill-10 oz.



Dust Off XL Disposable Cat. # Product MNDPSXL Disposable-10 oz.



Swiffer Duster Kit Cat. # Product MNSWDK Duster Kit

### **Dusting Products**



Swiffer Duster Refills Cat. # Product MNSWDF **Duster Refills** 



Swiffer Sweeper Kit Cat. # Product MNSWSK Sweeper Kit



Swiffer Sweeper Refills Cat. # Product MNSWSR Sweeper Refills

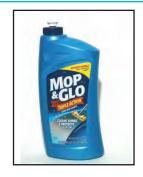


Swiffer Wet Refills Cat. # Product MNSWWR Wet & Dry Pads

### **Floor Products**



Mr. Clean Cat. # Product MNMRC Mr. Clean- 28 oz.



Mop & Glo Cat. # Product MNM&G Mop & Glo-32 oz.



Spic and Span Powder or Liquid Product MNS&SP Powder-27 oz. MNS&SL Liquid -40 oz.



Misty Dust Mop Treatment Cat. # Product MNMIS Misty Spray-14 oz.

# **Fabric** & Rug Cleaners



Scotch Guard Upholstery & Fabric Cat. # Product MNSG Spray - 10 oz



K2r Spotlifter Cat. # Product MNK2R Spot Lifter- 5 oz.



Resolve Triple Action Cat. # Product MNRS Resolve Spray-22 oz. MNHDC Hoover-48 oz.



Hoover Deep Cleaner Cat. # Product

# Cleaning Products =



Pledge Furniture Polish

<u>Cat. # Product</u>

MNPSS Pledge Spray-12.5oz.



Old English Furniture Polish

Cat. # Product

MNOE Old English-8 oz.



Murphy's Oil Soap Liquid (
Cat. # Product Cat. #

MNMOS Murphy's Oil-32 oz. MNLG



Wood Cleaning Products

Liquid Gold

Cat. # Product

MNLG Liquid Gold-12 oz.



Teak Oil
Cat. # Product
MNWIN Teak Oil-32 oz.



Endust Furniture Polish

Cat. # Product

MNED Endust- 15 oz.



Citrus Cleaner

Cat. # Product

MNCC Citrus Spray-15 oz



Wood & Natural Cleaners

Natural Orange Hand Cleaner

Cat. # Product

MNOP Orange Plus-128 oz.



Gojo Wipes-Pop up Bucket

<u>Cat. # Product</u>

MNFGJW Wipes-72 ct.



Ammonia

Cat. # Product

MNA Ammonia- 28 oz.



Rubbing Alcohol 70%

Cat. # Product

MNRA Rubbing Alcohol-16 oz.



**Chemicals** 

Acetone
Cat. # Product
MNA16 Acetone-16 oz.
MNA1G Acetone-Gallon



TAT Flying Insect Killer

Cat. # Product

MNTAT Bug Spray-11 oz.



Off Bug Repellent

Cat. # Product

MNOFF Off Spray- 6 oz.



Dial Antibacterial Soap

<u>Cat. # Product</u>

MNSS Dial Pump- 6 oz



Ivory Hand Soap

<u>Cat. # Product</u>

MNIS Ivory-7.5 oz.

Hand Soaps & Bug Spray

# Counter & Grounds Maintenance

70 lbs. Sweeping Compound

Product

**Miscellaneous Cleaning Products** 

Cat. # Product Paper Towel 15 rolls **MNPT MNBPT** Bounty Paper Towel - rolls **MNTP** Toilet Paper - 24 rolls Cotton Rags - 10 lb pail MNCR10 Cotton Rags - 50 lb box MNCR50 MNTL55 55 Gallon Trash Liner - 100 liners MNRB30 30 Gallon Blue Recycling Bags

MNTC32 32 Gallon Trash Can MNTC44 44 Gallon Trash Can MNTCL32 32 Gallon Trash Can Lid MNTCL44 44 Gallon Trash Can Lid MNTCD Trash Can Dolly (5 wheels) - holds all trash cans

MNKCWA Wypall X60 Reinforced Wipes 9.1" x 16.8" Pop-up Box 126/bx

MNKCPT Wypall L40 Professional Towels 12' x 23" Box 126/bx

MNKCLW Kimtech Kimwipes Task Wipes

Extra delicate-low lint

Accu Wipes 4.5" x 8.25' MNAW



• Forward and reverse features make operation easier

- Power steering with trigger control
- Features push button electric start
- Chute clearing device
- Snow Hog tires provide excellent traction on heavy snow and ice

• 2 Year Limite	Clearing				
Cat. #	HP	Engine	Width		
MVSB28x9.5	9.5	4 Cycle	28"		
		I. Head			

#### **Ice Melt**

#MNCC Calcium Choride-Salt Pellets 50 lb bag

#MNRS Rock Salt w/sand 50 lb bag

24 x 5.5

# MNGH MNGHHW **MNWB MNRS** HPEZ.

Cat. #

MN70ND

**MNCB** Corn Broom MNPBG24 Push Broom - Garage 24" Push Broom - Garage 30" MNPBG20 Push Broom -Garage 36" MNPBG36 Push Broom - Street 24" MNPBS24 Push Broom - Street 30" MNPBS30 MNPBS36 Push Broom - Street 36" **MNTB** Toy Broom **MNLPP** Lobby Pick Up Pan Dust Mop Head (use with toy broom) **MNCB** Counter Brush MNM Mop - 24 ounce Mop Pail w/ Ringer Lobby Pick up Pan **MNMP** Mop Handle **MNMH** Dust Mop 24" MNDM24 Dust Mop 30" MNDM30 Dust Mop 36" MNDM36 MNDM48 Dust Mop 48" MNDMF24 Dust Mop Frame 24" MNDMF30 Dust Mop Frame 30" MNDMF36 Dust Mop Frame 36" Dust Mop Frame 48" MNDHF48 **MNDMH** Dust Mop Handle **MNDS** Digging Shovel-Pointed **MNTS** Transfer Shovel-Squared **MNSH** Sledge Hammer MNP Pick MNSA Scoop-Aluminum Steel Push Snow Shovel **MNSSS MNSIC** Sidewalk Ice Scraper





Wire Brush

Heavy Duty Razor Scraper

Garden Hose - 50 feet

Wire Brush

Utility Blade

Cat. # Product MNSCR Scraper Round 1" Scraper MNSC1 MNSC2 2" Scraper MNSCE Econo Scraper

**MNUB** 

**Jobsite Storage** 

# Two Stage

#### Snow Thrower

- Forward and reverse features make operation easier
- Features push button electric start
- Crank chute handle rotation with manual pitch control
- Snow Hog tires provide excellent traction on heavy snow and ice
- 2 Year Limited Warranty

			Clearing
Cat. #	HP	Engine	Width
MVSB24x5.5	5.5	179cc	24"
MVSB26x8	8	208cc	26"



# Knaack Cabinet w/drawers

- Watchman IV Lock System
- · Secures all tools in one location
- Stronger protection against pry-ins
- 60" H x 30"W x 60"L
- Weight: 460 lbs
- Cubic Feet: 54.9

#### Knaack Jobmaster Chest

- 3 Point latch w/ Watchman IV Lock System
- Stronger protection against pry-ins
- 23" H x 24"W x 48"L
- Weight: 158 lbs
- Closed Height: 28 1/4"



# **Industrial Vacuums**

### Stainless Steel Wet/Dry Vac 10 gallon capacity #SV6105010

- Vacuums inside or outside, wet or dry
- 2.0 Peak HP
- 2 stage motor
- Lock-On positive connection hose system
- · Tough metal tools
- 18 ft long cord
- Extra quiet
- 1 year warranty
- Includes: 1 1/2" x 12' hose, (2) metal extensions





#### 850 Series

#### Economy Wet/Dry Vac

- Vacuums inside or outside, wet or dry
- High performance industrial by-pass motor
- Special Filtration System
- · Easily converts to a powerful blower
- Tough rust-resistant epoxy phenolic-coated steel tank
- Cartridge Filter and Foam Sleeve
- 1 year warranty
- Includes: 7' x 1 1/4" crushproof hose, (2) 1 1/4" extension wands, 12" floor nozzle with brush, squeegee inserts, crevice tool, round brush, gulper nozzle (2 1/2" dia. x 6' hose), (2) 2 1/2" extension wands and 8" utility nozzle

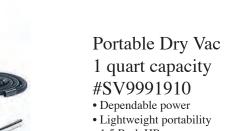


### The Right-On Demand Wet/Dry Vac

- Vacuums inside or outside, wet or dry
- On Demand feature automatically turns on and off as you turn power tool on and off
- Super quiet
- Tool basket & tank drain
- Lock on 1 1/4" hose
- Cartridge Filter and High-Quality Collection Filter Bag
- Includes: 12' x 1 1/4" lock-on hose, (2) extension wands, 10" wet/dry nozzle,

crevice tool, round brush, gulper nozzle, dual surface selector nozzle, tool adapter and accessory storage

			Air Flow			
			Cubic Feet		Electrical	Peak Air
Cat. #	Size	Peak Horse Power	Per Minute	Sealed Pressure	Ratings	Watts
SV9256310	12 Gallons	6.0	175	60	120V 60 Hz 12 Amps	375



- 1.5 Peak HP
- 18 ft long cord
- Quiet
- 1 year warranty
- Includes: 1 1/4" x 6' hose, (1) 1 1/4" extension wand, 6" master nozzle, crevice tool, round brush, conversion unit, 2 1/2" hose coupling & shoulder strap





- Perfect for your garage, workshop or hobby area
- Wallmountable
- 4.5 Peak HP
- 6 ft long cord
- Extra quiet
- Cartridge Filter and Foam Sleeve
- 1 year warranty
- Includes: 1 1/4" x 18' lock-on hose, (3) 1 1/4" extension wands, 12" floor nozzle with brush, squeegee. crevice tool, gulper nozzle, tool holder & wall bracket





# **W380 Series Pine Stepladders**• Type 1 - Industrial Duty Rating: 250 lbs

J 1		, .		Approximate
		Approximate	Approximate	Shipping
Cat. #	Size	Width (A)	Spread (B)	Wt. Lbs.
WE384	4'	19 1/2"	29 1/2"	20
WE385	5'	21"	35 1/2"	24
WE386	6'	22 1/2"	41 1/2"	29
WE388	8'	25 1/2"	53 1/2"	40
WE3810	10'	28 1/2"	65 1/2"	50
WE3812	12'	31 1/2"	77 3/4"	60



# WE2113 Series Fiberglass Stepladders • Type 1AA - Special Duty Industrial Rating: 375 lbs

		Approximate	Approximate	Approximate Shipping
Model #	Size	Width (A)	Spread (B)	Wt. Lbs.
WE211303	3'	18"	22 3/8"	16
WE211304	4'	19.5"	28 3/8"	19
WE211305	5'	21"	34 3/8"	23
WE211306	6'	22 1/2"	41 1/4"	26
WE211308	8'	25 1/2"	52 1/4"	41
WE211310	10'	28 1/2"	64 1/4"	52
WE211312	12'	31 1/2"	76 1/2"	63





# WE6100 Series Fiberglass Flat Step Extension Ladder

• Type 1A - Extra Heavy Duty Industrial Rating: 300 lbs

	Total Length	Max. Working	Approximate Shipping
<u>Cat.</u> #	Section	Length	Wt. Lbs.
WE6116-2	16'	13'	38
WE6120-2	20'	17'	46
WE6124-2	24'	21'	55
WE6128-2	28'	25'	61
WE6132-2	32'	29'	74
WE6136-2	36'	32'	105
WE6140-2	40'	35'	115

# **WE2113 Series Fiberglass Stepladders**

• Type 1A - Special Duty Industrial Rating: 300 lbs

		Aproximate			Approximate
		Extended	Approximate	Approximate	Shipping
Cat. #	Size	Ladder Height	Width (A)	Spread (B)	Wt. Lbs.
WE10103	22'	20' 9"	42 5/8"	113 3/8"	49
WE10126	26'	24' 4"	47"	129"	61



# Moving Equipment

#### **Wood Deck Platform Trucks**

- Non-tilt
- Decks are 7/8" sanded hardwood with a natural varnish
- Removable push handles are made from 1" tubing and fit into bolt-on fabricated steel pockets
- Metal parts are painted "Alert" orange
- Each platform truck rolls on rugged zinc plated, cold forged Faultless 1400/3400 series casters
- · Molded rubber wheels are standard
- Load retaining push handles available. Price upon request

Boar Islaming publi handres avanacies Time apon request					
Cat #	Part #	Deck Size	Load Capacity	Weight	Wheel Size
MV31-005-117	50557	30" x 60"	1,600 lbs.	90 lbs.	5"
MV31-005-108 MV31-005-109	50548 50549	30"x 60" 36" x 72"	1,800 lbs. 1,800 lbs.	95 lbs. 105 lbs.	6" 6"
MV31-005-112 MV31-005-113	50552 50553	30"x 60" 36" x 72"	2,000 lbs. 2,000 lbs.	105 lbs. 115 lbs.	8" 8"





#### **Rock Maple Dollies** #MV3018

- · Padded Deck
- Equipped with 3" hard rubber swivel casters
- 500 lbs capacity
- 30" x 18"



#### The Convertible Hand Truck

- This multipurpose cart quickly changes from a 2-wheel hand truck to a 4-wheel platform cart simply by removing 1 latch pin and relocating the removable handle
- 10" x 3 1/2" wide semi-pneumatic wheels and 3" diameter swivel casters
- 600 lbs on two wheels/1200 lbs on four wheels
- Weight 45 lbs
- May be shipped via UPS

Cat #	Type	Size
MVCHTJR	Junior	51 3/4"
MVCHTSR	Senior	61 3/4"



#### Two Wheel Hand Trucks

- Double weld construction at all weld points
- 1" diameter 14 gauge tube frame
- 10" semi-pneumatic wheels with ball bearings
- 5/8" solid axle
- Crimped nose backplate for added strength
- Round corners on the nose plates
- 13 1/2" wide x 7" deep, 7 gauge nose
- 46" overall height. Wheel size: 10"
- Capacity 600 lbs
- May be shipped via UPS

<u>Cat.</u> #	Handle Type	Part #	Weight
MV13-300-600	Single Pin	70310	31 lbs.
MV13-310-600	P-Loop	50161	33 lbs.
MV13-320-600	Continuous	70320	30 lbs.
MV13-330-600	Wing	50098	30 lbs.
MV13-340-600	Dual Pin	50163	32 lbs.



### Freight Prvs

- Freight prys are designed for lifting heavy or cumbersome crates, cases, heavy scenery
- Long handles provide the leverage needed to lift heavy objects so that they may be blocked up or put on pallets or skids
- Formed steel nose plate with bevel on bottom side of nose to prevent loads from slipping off
- 5" x 1 1/2" wheels, standard. Available with phenolic or steel wheels
- May be shipped by UPS
- •Nose Length 3" Nose Width - 5"

Cat #	Handle Length	Wheel Type	Load Capacity	Shipping Wt
MV16-001-600	72"	Steel	4,250 lbs.	35 lbs.
MV16-001-601	72"	Phenolic	4,250 lbs.	32 lbs.

# The Stair Climber

#### **#MVSC**

- 1200 lb capacity
- Allows an operator to operate with only his thum
- · Battery powder
- Optional Nose 18" x 24" #MVSCN



# Moving & Cover





#### Carpet & Floor Mask

- Non-slip
- Resists traffic wear and tear
- Used in high traffic areas
- Carpet Mask is 2 mi and Floor Mask is 3 mil

Cat #	Type	Color	Width	Length
MVCM24	Carpet	Clear	24	200
MVCM36	Carpet	Clear	36	200
MVCM48	Carpet	Clear	48	500
MVFM48	Floor	Blue	48	500
MVNAFM	Non Stick	Black	36	75

# **Masking Tool** #MVCMT



# Moving Blankets Black & Black

#### #MVMB

- Use in trucks, vans and cars to help protect scenery from damage during transit
- Cotton filled with zig zag lock stitching, bound all around

Length

500 ft

500 ft

250 ft

• 72" x 80" cut size



# **Rubber Matting**

- Non-slip, traction-grip corrugations
- Resists traffic wear and tear
- · Helps deaden jarring sounds
- Thickness: 1/8"

Cat #	Color	Width	Length
MVRM36B	Black	36"	25 yds
MVRM48B	Black	48"	35 yds
MVRM36W	White	36"	35 vds

# Strap It Down

# Motorcycle Ratchet Strap

#MVMRS

• 8 ft long with "S" hook on end

# 1" Ratchet Strap

#MVRS1

• 16 ft long





2" Ratchet Strap #MVRS2

- 27 ft long
- · Says "Keeper" on it

# 2" E Track Ratchet Strap



- 16 ft long
- feature E Track Hooks

# E Track D Ring #MVRS2 • 8" long



### Rubber Bungees

Cat #	Size
MVRB12	12"
MVRB14	14"
MVRB19	19"
MVRB24	24"
MVRB35	35"
MVRB42	42"



Take

Cat #

MVBW24S

MVBW48S

MVBW48L

# Tarps

- Finished on four sides with aluminum grommets approx. every 3 ft
- High Density 8 x 10 weave 1.8 mil polythylene fibers
- Water resistant, rot resistant & rip resistant

**Bubble Wrap** 

• Use large cell for heavy

items as well as very delicate items

Width

24

48

Cell

Small

Small

Large

• Treated to resist ultraviolet rays

Cat #	Size
MVBT6x8	6' x 8'
MVBT9x12	9' x 12'
MVBT10x20	10' x 20'
MVBT12x16	12' x 16'
MVBT15x30	15' x 30'
MVBT20x20	20' x 20'
MVBT20x25	20' x 25'
MVBT20x40	20' x 40'
MVBT30x40	30' x 40'
MVBT10x20	10' x 20'
MVBT30x50	30' x 50'
MVBT40x60	40' x 60'







# **Griffolyn T-55**

- Used to black or tint out
- UV Stabilization protects the material from degrading during extended exposure to sunlight
- Cold-crack resistance eliminates failures in extremely cold temperatures.
- High durability allows for significant savings through re-use and fewer replacements
- · Sold as either raw material or fabricated
- Fabricated pieces finished on fours sides with grommets one foot on center

	Cat #	Type	Color	Size
	MVGRMBB50	Raw	Black on Black	20' x 50' Roll
	MVGRMBB100	Raw	Black on Black	20' x 100' Roll
	MVGRMC50	Raw	Clear	20' x 50' Roll
1	MVGRMC100	Raw	Clear	20' x 100' Roll
ı	MVGFBB8	Fab	Black on Black	8' x 8' Drop
ı	MVGFBB12	Fab	Black on Black	12' x 12' Drop
ı	MVGFBB20	Fab	Black on Black	20' x 20' Drop
	MVGFC8	Fab	Clear	8' x 8' Drop
	MVGFC12	Fab	Clear	12' x 12' Drop
	MVGFC20	Fab	Clear	20' x 20' Drop
ı				

# Masks & Respirators

# Quality **Cotton** Hand **Protection**



Cat #	<u>Description</u>
MV641B	Full 8 oz fabric
	Clute cut w/ blue knit wrist
	Size: Medium or Large
MV641	Full 8 oz fabric
	Clute cut w/ blue knit wrist
	Size: Medium or Large
MV642	Full 10 oz fabric
	Size: Medium or Large

# **Red Palm Disposable** Hand **Protection**



Cat #	Description
MV641B	Full 8 oz fabric
	Clute cut w/ blue k

# Harken **Sailing** Gloves

· Excellent for handling operating lines

Cat # Description **MVHSG** Harken Sailing Gloves Shown with safety cuff. #MV1270L

# Heavy **Duty Hand Protection**



#### **Leather Hand Protection**

Cat #	Description
MV18	Good grade split, clute cut with
	knit wrist and leather palms

### Latex Gloves Non Sterile



Cat #	Description
MVLGM	Latex Glove-100 Medium
MVLGL	Latex Glove-100 Large
MVLGEL	Latex Glove-100 Extra Large

# **Industrial** Rubber Gloves

Description MVRG Waterproof Gloves Very Durable



# Leather Hand **Protection**

Description
All leather outer layer with a
thermal liner - size large
Same as MV6133L but size
jumbo
All leather outer layer without
a liner - size large
Same as MV6036L but size
jumbo

### Winter Leather **Hand Protector**

Cat #	<u>Description</u>
MV6187L	All leather outer layer with a
	fur liner



#### Pro Leather

- High Grade Leather Gloves
- Protects as well as performs
- More Setwear Gloves on page 61 in the Grip Section

<u>Cat. #</u>	Size	Color
SWP09MD	Medium	Tan & Black
SWP09LG	Large	Tan & Black
SWP09EL	Ex Lg	Tan & Black
SWP05MD	Medium	Black
SWP05LG	Large	Black
SWP05EL	Ex Lg	Black



### **3M Particulate** Respirator #SE8511

- 10 per box
- Protects against certain non-oil based particles
- Well suited for work settings that involve heat, humidity or long periods of wear.



# 3M Dust, Mist & **Fume Respirators**

#SE8210

• 20 per box



#SE8577

- With nuisance level Organic Vapor Relief
- Protects against certain oil and non-oil based aerosol particles as well as organic vapors such as solvents, degreasers and resins



- Protects against nuisance dust particles
- Disposable, maintenance free
- Economy pack 20 per box
- Lightweight, comfortable, easy to breathe through



- Provides relief from vapors and particles when spray painting
- · Disposable, maintenance free
- · Easy to breathe through
- · Lightweight, dependable and economical







# First Aid & Protection

#### Cartridge Paint Spray Assembly

- Unique head harness cradle assembly provides comfortable, balanced, no slip support
- · Soft silicone facepiece for worker comfort
- Facepiece design permits glasses and goggles to be worn comfortably
- Adjustable four point strap attachment with convenient front strap
- Low profile placement of cartridges designed to give wide field of vision
- Exhalation valve cover has permanent hinge attachment so it can't

Description	Size
7018S Paint Spray	Small-Medium
7019S Paint Spray	Medium-Large
Organic Vapor Cartridge	
Paint Spray Pre-filter	
Cartridge Retainer	
,	7018S Paint Spray 7019S Paint Spray Organic Vapor Cartridge Paint Spray Pre-filter



when ordering



#### **3M Welding Fume Respirator** #SE8233

- Low profile fits under face shields and hoods
- Provides comfort in high heat jobs
- Flame retardant to help eliminate burn worries
- Lightweight, durable construction that can be individually shaped
- · Provides relief from welding fume fever

#### **First Aid Kits**



### 20-25 PERSON KIT

#SE2025

#SE1100

200/box

**#SE509** 

**Band-Type** 

- Contents treat most minor emergencies
- · Kit also contains cold pack, guaze pads, eye irritation solution, tweezers and scissors

**Hearing Protection** 

· Permits conversational noise levels

**Disposable Foam Ear Plugs** 

• Extremely comfortable, economical protection

### 40-50 PERSON KIT

#SE4050

• Same as 25 but designed to support the larger job site or workplace

#### **Face & Eye Protection**

#### **Face Shield**

#SE1631 Kit

#### **#SE1632 Replacement Shield**

- Designed for protection against flying particles and sparks during woodwooking, metal finishing and spot welding
- · Adjusts for all head sizes, child to adult
- Window pivots, enabling worker to raise or lower as required
- Size: 17" x 8" x .060" Clear





# **Flexible Goggles**

#SE432 Clear

- · Soft vinyl frame with perforations for maximum ventilation
- Optical quality, distortion-free, replaceable polycarbonate lens

# Lab Glasses

#SE1710

- Lightweight black nylon frames
- Lense wraps around to protect side of eye
- Fits most heads



#### **Light Weight Glasses** #SE1722

- Lightweight black nylon frames
- Lense wraps around to protect side of eye
- · Fits most heads

# **Hearing Protector**

**Hearing Protector** 

#SE1435

• For moderate noise environments

· Blocks noise at outer ear passage

• Cups adjust on one-piece plastic head band

• Popular in moderate noise environments

• Designed for lighter tension and greater wearer acceptance



# **Industrial**

#SE1730

- · Lightweight black nylon frames
- Lense curves for a tight fit
- · Fits most heads





# Crowd Control

Note: This is just a sampling of our most popular crowd control products. Crowd control goods are custom made - allow two to three weeks for delivery.

#### **Portable Posts**

#### **Standard Portable Posts**

- Contains a universal loop, permitting attachment of ropes from either direction
- Recommended post spacing: 5' to 9'
- Weight 35 lbs

C	
Cat. #	Finish/Metal
CC3101P	Polished Chrome
CC3101S	Satin Chrome
CC3102P	Polished Brass
CC3102S	Satin Brass
CC3103P	*Polished Stainless Steel
CC3103S	*Satin Stainless Steel
* Decommende	d for outdoor use with floor n

\* Recommended for outdoor use, with floor protector

#### **Plastic Portable Posts**

- All plastic construction for indoor or outdoor use
- Base may be filled with sand or water for stability
- · Recommended post spacing: 5'
- Weight 25 lbs

Cat. #	Finish
CC300B	Black
CC300W	White



#### **Contemporary Portable Posts**

- Broad based post designed to offer maximum stability
- Contains slots for rope securement
- Recommended post spacing: 8'
- Weight 25 lbs

Cat. #	Finish/Metal
CC3141P	Polished Chrome
CC3141S	Satin Chrome

\* Recommended for outdoor use, with floor protection

#### Naugahyde® Covered Rope

- Rich leather-like vinyl over a firm cotton core
- Cleans with a damp cloth
- Standard, 1 1/2" diameter
- Sold by the foot

Cat. #	Description	Cat. #	Description
CC542MR	Maroon	CC542WB	Walnut Brown
CC542RD	Red	CC542DG	Deep Green
CC542TP	Taupe	CC542DB	Deep Blue
CC542BE	Beige	CC542AB	Azure Blue (lt)
CC542ST	Saddle Tan	CC542GY	Gray
CC542SG	Sage	CC542BK	Black

#### **Velour Covered Rope**

- Plush velour, stain resistant, over firm
- Standard, 1 1/2" diameter
- Sold by the foot

Cat. #	Description	Cat. #	Description
CC541OR	Orange	CC541RU	Rust
CC541AG	Antique Gold	CC541PG	Pearl Grey
CC541BR	Brown	CC541BR	Bright Red
CC541MA	Maroon	CC541PR	Purple
CC541HG	Hunter Green	CC541RB	Royal Blue
C541BE	Beige	CC541BK	Black

#### Velour or Naugahyde Rope Ends

 Attached by the manufacturer when ordered with Velour or Naugahyde rope

Cat. #	Description	Finish/Metal
CC5501P	Snap End	Polished Chrome
CC5501S	Snap End	Satin Chrome
CC5502P	Snap End	Polished Brass
CC5502S	Snap End	Satin Brass
CC5401P	Hook End	Polished Chrome
CC5401S	Hook End	Satin Chrome
CC5402P	Hook End	Polished Brass
CC5402S	Hook End	Satin Brass



### **Mounting Accessories**



#### 511 Wall Plate

Accepts two ropes

riccopist	o 10pes
Cat. #	Description
CC5111P	Polished Chrome
CC5111S	Satin Chrome
CC5112P	Polished Brass
CC5112S	Satin Brass



#### 509 Wall Plate

Accepts one rope only
 Cat. # Description
 CC5091P Polished Chrome
 CC5091S Satin Chrome
 CC5092P Polished Brass
 CC5092S Satin Brass



#### 509C Post Loop

• Curved back to fit 2" tube

Cat. # Description

CC509C1P Polished Chrome

CC509C1S Satin Chrome

CC509C2P Polished Brass

CC509C2S Satin Brass



- Functional, self assembly & cost effective post
- Features 6.5' of Tensabarrier branded belt
- Recommended post spacing 8'
- Weight: 25 lbs

Cat. # Finish/Metal
CC875 Plastic



#### Dangerous Goods Shipping Fee

It costs extra to handle and transport a box that contains hazardous materials (flammable, explosive, etc.). It is important to note that the haz surcharge is "per carton", not per item, therefore you should consolidate ordering haz materials.

#### Flash Paper

Consult our price list for fees.

- Sheets are 8"x 9"
- Larger quantities may be sold "wet" for safe shipping. Dry out immediately to prevent mildew from developing and to ensure good flash performance.

Cat. #	<u>Quantity</u>	<u>Cat.</u> #	Quantity
FPFP	4 sheets	FPFP050	50 sheets
FPFP025	25 sheets	FPFP100	100 sheets
		FPFP200	200 sheets

#### **Flash Cotton**

#### #FPFC

- Similar to flash paper but it burns faster
- Excellent as a primer in all Glo-Plug devices
- Available in a 4 gram package

### **Flash String**

#### #FPFS

- Can be used as a fuse for lighting flash powder, or coat with Sparkle Additive for sparkling effects
- Burns quickly and completely with no residue
- Comes in packages of 10'

#### Flash Powder

- Sold in two parts for safe shipping. Mix all parts (A&B) at once.
- Available in three speeds
- Net weight: 2 oz.

<u>Cat. #</u>	Speed	<u>Description</u>
<b>FPFPS</b>	Slow	Most Light (to conceal an actor)
FPFPU	Universal	Normal Light
FPFPF	Fast	Quick Light (an explosion)

# **Sparkle Additive**

#### #FPESP

- When used with Flash Paper, Cotton, or Powder it adds electrically crackling sparks to your flash effect
- Packed in 1/2 oz bottles
- Net weight: 5 oz.

### Hand Flasher Single or Double

- A performer or lecturer addresses an audience, his/her hand seemingly empty, and then WHAM a flash that turns into a ball of fire
- It uses flash paper the more flash paper, the bigger the ball of fire
- The manufacturer recommend flash cotton to ensure proper firing
- Requires a 1-1/2 volt glow plug (It's good to keep a spare plug on hand)
- · AA alkaline battery not included

Cat. # Description FPHF Hand Flasher

FPDHF Double Hand Flasher (two shots)





# Flash & Smoke Effects

Warning: Follow safety precautions when handling and storing flash products. Also, be sure to check with the local municipality to find out about the laws governing the use of pyrotechnics in that particular loation. ALWAYS ACT RESPONSIBILY WHEN USING SPECIAL EFFECTS.

#### **Ultra Flash Pot**

- A U.L. rated flash pot used to fire flash powder
- Extra low profile for easy concealment
- Once plugged in, a spark occurs and ignites the flash powder
- Includes 6 Surefire Ignitors
- For best results, wrap flash powder in flash paper, like a "teabag"
- 2 1/2"H x 4"W x 4"C

Cat. # Description
FPUFP Ultra 2 Flash Pot

FPSFI Surefire Ignitors - dozen - 6" insulated lead

#### **Standard Flash Pot**

- Once plugged in, a spark occurs and ignites flash powder
- Uses nichrome wire (6 included with the pot)
- For best results, wrap flash powder in flash paper, making a "teabag"
- Can be operated by remote

Cat. # Description

FPSFP Flash Pot (standard) FPNW Nichrome Wire - dozen



#### **Ultra Firing Devices**

• Used to set-off flash pots

# **Ultra 2 Foot Switch**

#### #FPU2

- Designed for foot activating one or two flash devices at the same time
- Size: 6" x 2-1/2" x 4-1/4",
- Weight: 1.7 lbs

### **Ultra 4 Firing Panel**

#### #FPU4

- Designed for hand activating up to four different devices, at once, or in any combination
- Individual momentary push buttons for each circuit and one momentary master push button
- Size: 4" x 4" x 4", weight: 3 lbs



#### **Smoke Cookies**

- Ignites with a match
- Burns for approximately 30 seconds
- Size: 8" diameter

Cat. #	Color	Cat. #	Color
FPCB	Blue	FPCR	Red
FPCG	Green	FPCY	Yellow
FPCO	Orange	FPCW	White
FPCP	Purnle		

Not recommended for indoor use. If used indoors, make sure area is well ventilated.

## Fog & Smoke Effects

#### **Model 1700**

The Rosco 1700 fog machine is a high quality machine-durable, dependable with a lower cost.



Every feature of the Rosco Model 1700 has been evaluated and state-of-the art technology applied to give long-life reliability and high performance. The machine delivers fog output equal to, or more, than previous fog machines, but draws less power-1190W.

The Rosco Model 1700 has a remote control stored on board, with a 15-foot cable and fine control for volume as well as on-board timers. In addition, the Model 1700 can be operated from control boards through an optional DMX interface. Another feature of the Model 1700 is that it can be easily daisy chained, allowing up to 4 machines to be operated from a single remote control. It can be operated with the Rosco Coldflow for low-lying chilled fog and will accept a 4-liter Rosco Fog Fluid bottle. Optional 240V upon request.

Description

RFM1700 Model 1700 with Remote

RFM41700 Carrying Case

#### Alpha 900

The Alpha 900, the newest and most economical fog machine, is an excellent choice for applications where the effect does not need volume control. A simple on-off switch, in the remote control only, initiates a remarkably powerful stream of smoke.



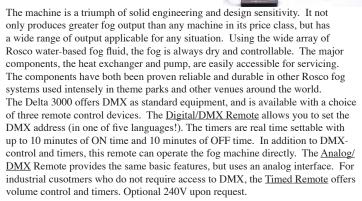
The output from the 1000 watt heater of this compact machine is truly remarkable. Only 11 pounds, with a remote power cord of 30 feet, the Alpha 900 is ideal for use at parties or other non-permanent venues.

• Other extensions are available-See Accessories (i.e.: 4" Hose Adapter) Optional 240V upon request.

Cat. #	<u>Description</u>
RFM900	Alpha 900
RFM50975	Alpha 900 Wireless Remote
RFM50978	Alpha 900 30' Remote Extensio
RFM40900	Carrying Case

#### **Delta 3000**

The Delta 3000 combines the most reliable, tested components for fog with the latest electronic ideas for design versatility.



<u>Cat. #</u>	<u>Description</u>
RFM3000	Delta 3000-requires remote
RFM3000DDMX	Delta Digital/DMX Remote
RFM3000ADMX	Delta Analog/DMX Remote
RFM3000TIME	Delta Timed Remote
RFM43000	Carrying Case

#### **Rosco Fog Machines**

#### **Model 1900**

Rosco's Model 1900 fog machine is a very high output professional fog machine, designed primarily for industrial applications.



It's most unique feature is the extremely high output, almost twice as much as the Model 1700. With an initial high burst of fog, the Model 1900 will fill the largest venues with fog in a very short time. The Model 1900 offers a volume control as well as on/off timers for automatic sequencing. Up to four machines can be operated from a single remote by running a standard 3 pin XLR cable from machine to machine.

The remote control is stored on the machine and comes equipped with a 15-foot cable. An optional DMX control is available so the unit may be operated from a lighting control console. Optional 240V upon request.

Cat. # Description

RFM1900 Model 1900 with Remote

RFM41900 Carrying Case

#### ColdFlow<sup>TM</sup>

The Coldflow is the best technology currently available to chill fog and create low-lying effects. First developed by High End Systems, the ColdFlow uses liquid carbon dioxide, commonly available everywhere, to "make" dry ice inside an aluminum chamber. The output of a fog machine passes



through the aluminum chamber and is chilled so that it lays close to the ground. For the best effect use Rosco Stage & Studio Fluid. The ColdFlow can be used with the Alpha 900, Delta 3000, and Model 1700. Optional 240V upon reuest.

Cat. # Description RFM61700 ColdFlow

#### **Delta 6000**

The Delta 6000 Fog machine produces more fog volume than almost any other system and is priced to be affordable.



Consuming more than nine liters of fog fluid per hour, this machine was developed to service very large stages, theme parks and particularly the demanding industrial applications that are now a significant market for fog machines. Industrial applications including military training, leak detection and safety training in buildings, aircraft and sea going vessels, demand high-output machines.

The key to the enormous output of the Delta 6000 is a new dual-path heat exchanger. The fluid moves along two paths that maximize the heat stored in the heat exchanger and emerges as fog in two side-by-side nozzles.

The Delta 6000 offers DMX as standard equipment, and is available with a choice of three remote control devices. The Digital/DMX Remote allows you to set the DMX address (in one of five languages!). The timers are real time settable with up to 10 minutes of ON time and 10 minutes of OFF time. In addition to DMXcontrol and timers, this remote can operate the fog machine directly. The Analog/ DMX Remote provides the same basic features, but uses an analog interface. For industrial customers who do not requrie access to DMX, the Timed Remote offers volume control and timers. Optional 240V upon request. Uses 6" hose.

<u>Cat. #</u>	<u>Description</u>
RFM6000	Delta 6000-requires remote
RFM3000DDMX	Delta Digital/DMX Remote
RFM3000ADMX	Delta Analog/DMX Remote
RFM3000TIME	Delta Timed Remote
RFM46000	Carrying Case

## Breakaway, Haze, Snow & Telephone Effects

#### **Delta Hazer**

The result of dedicated research into haze formulation, the Delta Hazer joins the growing line of Delta effects machines. The result is a high quality haze machine that is quiet, reliable and won't leave oilbased residues in the sensitive electronics of sound and lighting equipment. Based around a new approach to creating



atmospheric effects, the Delta Hazer uses a unique water-based fluid formulation, 1 1000 watt heat exchanger and a high quality blower to quickly create enough haze to fill even large venues. Using a single knob, the fan and fluid pump are varied for optimum output and, even at high speeds, offer continuous, quiet haze output.

Using the award winning Delta Technology, the Delta Hazer takes advantage of the many unique features built into other dependable Rosco machines: on board DMX, low fluid sensors, digital timers and control, and most importantly, a self cleaning feature that ensures long life. Like the rest of the Delta line, the Delta Hazer is easy to service and holds a large 4 liter bottle of Delta Haze Fluid. Optional 240V upon request.

Cat. #	Description
RFM14000	Hazemaker
RFM13000ADMX	Delta Analog/

RFM13000ADMX Delta Analog/DMX Remote RFM13000DDMX Delta Digital/DMX Remote RFM13000TIME Delta Timed Remote

RFM8425 Delta Haze Fluid - 4 liters (Water based)

### **Rosco Fog Accessories**

	0	
Cat. #		Descrption
RFM61690		Hose Adapter 4" (Alpha 900 & Delta 3000)
RFM61695		Ducting Hose 4" x 25' (Alpha 900 & Delta 3000)
RFM64590		Hose Adapter 6" (Delta 6000)
RFM64595		Ducting Hose 6" x 25' (Delta 6000)
RFM51587		50' Remote Extension-1700/1900
RFM51588		100' Remote Extension-1700/1900

## **Rosco Fog Fluids**



#### **Standard Fog Fluid**

• Rosco Fog Fluid, for almost 30 years, the most widely used fog fluid in theatre, live entertainment and theme parks. When vaporized, this water based formulation produces a dense, realistic fog which has no unpleasnat odor.

<u>Cat.</u> #	Size
RFJL	Liter
RFJG	4 Liter Bottle

# Stage & Studio Fog Fluid • This special formulation that Rosco Fog Fluid does

- This special formulation offers many of the same features that Rosco Fog Fluid does, with two additional benefits. This water based fluid, when used with any of Rosco's fog machines, will dissipate more quickly than the standard fluid. This is especially useful for theatrical or video applications where the effect must appear or disappear on cue.
- When properly chilled (through the use of Rosco ColdFlow, the Stage and Studio Fog Fluid generates a low lying fog.

Cat. #SizeRFJSSL1 LiterRFJSSG4 Liter Bottle

#### **Breakaway Bottles**

- Breakaway Bottles shatter realistically without any danger to actors, technicians or audience.
- Sold in lots of 6 bottles.
   Singles available for pick-up.
- Label not included.

Cat. #	Description	Color
EE9030BA	Beer Bottle	Amber
EE9030BG	Beer Bottle	Green
EE9030WSA	Whiskey Bottle	Amber
EE9030WNG	Wine Bottle	Green
EE9030GC	Water Glass	Clear



#### **Breakaway Resin**

- Used to create your own breakaway window panes and objects with breakaway resins. Use a double boiler to slow heat and melt.
- Completely reuseable. Swipe up and remelt.
- Make your own pane mold. Rubbermaid® dish dryer mats make a great base. Draw a line of silicone outlining the panel size on the mat and let cure. You now have a very simple flexible rubber pane mold.
- Spray mold with the Silicone Release spray to help remove resin once dry.
- Please use a respirator while heating breakaway resin.

Cat. #	Description
EEBR	Breakaway Resin - per lb.
KR1325	Silicone Release - 16 oz. spray

#### **Plastic Snow**

- Creates authentic snowfall effects and set dressings for all stage, television and display work
- 5 pounds approximately equal to 1 cubic foot

Cat. #	Description	Size
EEPSS	#20 Standard Flake	25 lbs.
<b>EEPSF</b>	#15 Smaller Flake	30 lbs.

## Tele-Q Telephone Ringer



- Attaches to any standard telephone
- Allows operator to ring five mechanical bells
- Uses batteries or optional AC Adapter
- Adjustable ringing frequency
- Remote control feature
- If actor picks up the phone during a ring, the sound is disconnected

Cat. # Description

EETELEQ Tele-Q Ring Voltage Generator (RVG)

EETELEQAC AC adaptor for above

#### **Clear Fog Fluid**

• Rosco Clear Fog Fluid delivers the exact same effect as Rosco Fog Fluid, but doesn't have the colorant or scent additives of standard Rosco Fog Fluid.

<u>Cat.</u> #	Size
RFJCL	Liter
RFJCG	4 Liter Bottle

#### **Light Fog Fluid**

 This economical water-based fluid delivers exactly what the name says: a lighter fog effect. It is useful when you don't want the thick clouds produced by Rosco Fog Fluid.

Cat. #	Size
RFJLL	Liter
RFJLG	4 Liter Bottle

## Mirror Effects:

#### **Mirror Balls**

- The revolving mirror ball produces the floating tiny spots of light associated with ballroom and disco.
- Can be hung by cable or hung from a rotator. (110 volt concealed motor for operation on 60 cycle alternating current
- Installation is easy. Hang safely with hardware found in our rigging section.
- The package includes mirror ball, two pinspot, 2 lamps, 2 color lenses, 2 pipe clamps & 1 mirror ball motor.

Cat. #	Description
EEMB08	Mirror Ball 8"
EEMB12	Mirror Ball 12"
EEMB12P	Mirror Ball 12" Package
EEMB16	Mirror Ball 16"
EEMB16P	Mirror Ball 16" Package



- This Rosco version of slash curtains picks up light and reflects it in an exciting fashion. Over lapping 1/8" strips of durable, flame retardant vinyl make the effect of Slit Drapes unique.
- 36" wide sections

V JO WILLE SE	CHOHS	
<u>Cat.</u> #	Color	Length
RDP261008	Solid Black	8'
RDP261016	Solid Black	16'
RDP261024	Solid Black	24'
RDP260908	Solid Silver	8'
RDP260916	Solid Silver	16'
RDP260924	Solid Silver	24'
RDP262508	Solid Gold	8'
RDP262516	Solid Gold	16'
RDP262524	Solid Gold	24'
RDP260808	Black/Silver	8'
RDP260816	Black/Silver	16'
RDP260824	Black/Silver	24'
RDP260208	Black/Gold	8'
RDP260216	Black/Gold	16'
RDP260224	Black/Gold	24'
RDP260008	Black/Diffraction	8'
RDP260016	Black/Diffraction	16'
RDP260024	Black/Diffraction	24'
RDP260608	White/Diffraction	8'
RDP260616	White/Diffraction	16'
RDP260624	White/Diffraction	24'
RDP260108	Silver/Diffraction	8'
RDP260116	Silver/Diffraction	16'
RDP260124	Silver/Diffraction	24'
RDP263008	Iridescent	8'
RDP263016	Iridescent	16'
RDP263024	Iridescent	24'
RDP263408	Silver/Iridescent/Gold	8'
RDP263416	Silver/Iridescent/Gold	16'
RDP263424	Silver/Iridescent/Gold	24'
RDP263408	Silver/Gold/Diffraction	8'
RDP263416	Silver/Gold/Diffraction	16'
RDP263424	Silver/Gold/Diffraction	24'



Glame, Showcloth & Shimmer Scrim See pg 73

#### Mirrors

- Rosco's "shrink" mirror (#RDP3909) is designed to be tacked to a frame and then shrunk with a heat gun for optical clarity
- The other mirror surfaces are a metalized, self-extinguishing plastic format.

Cat. #	Description	Size
RDP3906	Flexible Silver	48" x 30'
RDP3909	Silver Shrink	54" x 30'
RDP3925	Thin Silver	60" x 30"
RDP3927	Thin Gold	60" x 30"
RDP3930	Rigid Gold	54" x 30"
RDP3931	Rigid Silver	51" x 30'



#### **Smooths**

- The smooth colors are pressure-sensitive for easy mounting.
- Roll size 24" x 30'

Cat. #	Description
RDP3974	Bright Orange
RDP3975	Gun Metal Grey
RDP3976	Cherry Red
RDP3980	Royal Blue
RDP3981	Silver
RDP3983	Pink Fuzz
RDP3985	Light Gold
RDP3986	Smooth Iridescent

#### **Sparklene**

- Pressure sensitive, glitter laminate plastic film colors for exciting effects
- Roll size: 24" x 15'

Cat. #	Description	Cat. #	<u>Description</u>
RDP3990	Silver	RDP3961	Fluorescent Pink
RDP3991	Blue	RDP3963	Prism Silver
RDP3992	Red	RDP3964	Blue/Green Irid.
RDP3993	Green	RDP3966	Linear Gold
RDP3994	Fuschia	RDP3995	Gold

#### Metalix

- Durable, metalized-plastic scenic materials in a variety of colors and surfaces
- Handy wide width: 48" x 30'

<u>Cat. #</u>	Description
RDP3902	Silver Pebble
RDP3971	Soft Silver
RDP3972	Gold Pebble

#### **Diffractions**

- Five exciting laser etched films for a prismatic effect.
- All the materials are adhesive backed.
- Roll size 24" x 15"

Cat. #	Description
RDP2956	Exotic Circles
RDP2957	Exotic Hex
RDP2958	Star
RDP2960	1/4" Mosaic
RDP2962	Horizontal Strips

## Rosco Designer Swatchbook

#### #RDSB

• Provides samples of the mirror effects products

## Scoops & Par Cans

## Altman 14" Scoops

- Heavy spun aluminum construction
- Processed matte aluminum reflector
- Three 36" Teflon lead wires
- · Color/diffuser frame included
- U. L. listed for up to 1000 watts

<ul> <li>Connector, safety cable and pipe clamp not included</li> </ul>		
Cat. #	Description	
LEAS154	14" Scoop - Incandescent/Quartz	
	• 300 - 1000 watt	
	• Light diameter approx. 15 'at a	
	throw distance of 7.5 '	
LP60	500 watt bulb	
LP61	750 watt bulb	
LP62	1000 watt bulb	
Cat. #	Description	
LEAS160	14" Scoop - Quartz Focusing	

• 500 - 1000 watt • Light diameter varies from 13.5'

to 20.7' at a throw distance of 7.5

**LPEGE** 500 watt bulb **LPEGG** 750 watt bulb LPEGJ 1000 watt bulb 1000 watt bulb **LPEGK** 

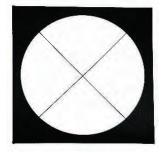
## Altman 16" Scoop

- Heavy spun aluminum construction
- Processed matte aluminum reflector
- Three 36" Teflon lead wires
- U. L. listed for up to 1000 watts
- 500 1000 watt
- Light diameter approx. 20' at a throw distance of 10'
- Connector, safety cable and pipe clamp not included

Cat. #	Description
LEAS161	16" Scoop - Quartz
LPFDN	500 watt bulb
LPEMD	750 watt bulb
LPFHM	1000 watt bulb
LPFCM	1000 watt bulb



Cat. #	Description
LEAS154CF	14" Color Frame
LEAS160CF	14" Color Frame
LEAS161CF	16" Color Frame
LEAS155CF	18" Color Frame





## Altman PAR 46 Steel Hood

- Rugged sheet steel construction
- 360° beam rotation lamp holder
- Plated steel color frame included
- 200 watt
- Light diameter varies with lamp
- Latching circular color frame holder
- Hinged rear cover for lamp access
- U.L. listed for 200 watts
- · Pipe clamp, safety cable and connector not included

Cat. #	Description
LEAPAR46	Par 46 - Incandescent
LEA4.5CF	4.5" Color Frame
LP83F	200 watt Flood
LP83S	200 watt Spot



- Rugged sheet steel construction
- 360° beam rotation lamp holder
- Three 36" Teflon lead wires
- Plated steel color frame included
- Latching circular color frame holder
- Incandescent/Quartz
- 300 500 watt
- · Light diameter varies with lamp
- Hinged rear cover for lamp access
- U.L. listed for up to 500 watts
- · Connector, safety cable and pipe clamp not included

ciamp not included		
Cat. #	Description	
LEAPAR56	Par 56	
LEA6CF	6" Color Frame	
LP85F	300 watt Flood	
LP85S	300 watt Spot	
LP85FQ	500 watt Flood	
L P85SO	500 watt Snot	



#### Altman PAR 64

- 300 -1000 watt
- Light diameter varies with lamp
- Rugged sheet steel construction
- 360° beam rotation lamp holder
- Three 36" Teflon lead wires
- Plated steel color frame included
- Spring loaded color frame lock
- Hinged rear cover for lamp access
- U.L. listed for up to 1000 watts
- Connector, safety cable and pipe clamp not included

Cat. #	<u>Description</u>
LEAPAR64	Steel Hood
LEAPAR64WP	Weather Hood
LEAPAR64AL	Aluminum Hood
LEA8CF	8" Color Frame
LP87F	500 watt
LP87S	500 watt
LP88FQ	1000 watt
LP88SQ	1000 watt

## Fresnels \_\_\_\_

## Altman 3" Fresnel "Inkie"

- 3" heat resisting fresnel lens
- Cast aluminum construction
- Double contact bayonet base socket
- Specular spherical Alzak aluminum reflector
- Slide adjustment spot to flood focus
- Six foot lead (connector additional)
- · Circular cast base plate included
- · Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included
- 100 150 watt
- Light diameter varies from 4.2 feet to 10.4' at a throw distance of 10'

Cat. #	Description

3" Fresnel - Incandescent/Quartz

**LPESR** 100 watt bulb

### Altman 6" Fresnels

- 6" Heat resisting Fresnel lens
- Sheet steel welded construction
- Medium prefocus socket
- · Specular spherical Alzak aluminum reflector
- Spot to flood focus adjustment
- Three 36" Teflon lead wires
- · Plated steel color frame included
- Underwriters Laboratory listed to 750 watts
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included

Cat. #	Description

6" Fresnel - Slide Focus LEAF65O

LPBTL 500 watts LPBTN 750 watts



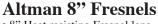
### Altman 6" 1KL Fresnel

- 6" Heat resisting Fresnel lens
- Rugged lightweight die-cast aluminum housing
- Medium prefocus socket (medium bi-post socket available upon request)
- Efficient specular Alzak aluminum reflector
- 11:1 flood: spot beam zoom range
- Quick spot to flood focus adjustment with cool touch handle
- Three 36" Teflon lead wires
- UL listed to 1000 watts
- · Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included
- Light diameter from 5.7' to 39' at a throw distance of 25'

Cat. # Description

LEAF1KAF 6" Fresnel Die-Cast - Quartz

LPBTL 500 watts LPBTN 750 watts LPBTR



- 8" Heat resisting Fresnel lens
- · Sheet steel welded construction
- Mogul prefocus socket
- Specular spherical Alzak aluminum reflector
- Spot to flood focus adjustment
- Three 36" Teflon lead wires
- · Plated steel color frame included
- Underwriters Laboratory listed to 750 watts
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included

Cat. # Description

LEAF75Q 8" Fresnel - Slide Focus

LPBVT 1000 watts

#### Altman Micro Flood

- Designed to produce narrow to wide beam spreads up to 15 feet away
- Attractive extruded aluminum housing
- Solid state electronic transformer
- Push-on type two pin ceramic socket
- Adaptable to most track systems
- Spot to flood focus adjustment
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included
- Underwriters Laboratory listed for 75 watts
- Includes 75 watt MR16 Lamp and Male Edison connector

Cat. # Description LEAME Micro Flood

#### Fresnel Accessories







Color Wheel







Barn Door-4 way

LEAF100CF       3" Color Frame         LEAF100BD       3" Barn Door - 2 way         LEAF100SN       3" Snoot	Cat. #	Description
	LEAF100CF	3" Color Frame
LEAF100SN 3" Snoot	LEAF100BD	3" Barn Door - 2 way
ELIT TOODIT	LEAF100SN	3" Snoot
LEA6CF 6' Color Frame	LEA6CF	6' Color Frame
LEA6BD-4 6" Barn Door - 4 way	LEA6BD-4	6" Barn Door - 4 way
LEA6SN 6" Snoot	LEA6SN	6" Snoot
LEACW404-6 6" Motorized Color Wheel	LEACW404-6	6" Motorized Color Wheel
LEA8CF 8" Color Frame	LEA8CF	8" Color Frame

LEA8BD-4 8" Barn Door - 4 way

## **Ellipsoidals**

### Altman 3.5" Ellipsoidals

- 500 watt
- Takes the following lamps:

LPEHC 500 watts LPEHD 500 watts

- Two heat resisting plano convex lenses
- Aluminum die cast and sheet metal construction
- Medium prefocus socket or Axial mount TP 22 socket
- Pebbled specular Alzak aluminum reflector
- Three 36" Teflon lead wires
- Pipe clamp for 3/4" to 1 1/2" pipe included
- Plated steel color frame included
- Safety cable not included
- Underwriters Laboratory listed to 500 watts
- Connector not included

At a throw of 20' the

Cat. #	Approximate Light Diameter is:
LEAE3.5Q-5	17'
LEAE3.5Q-6	14'
LEAE3.5Q-8	10'
LEAE3.5Q-10	8'
LEAE3.5Q-12	6'

## Altman Shakespeare Series 600

- Built around the HX600 lamp technology
- Produces more light with less power or almost twice the light with the same power with the equivalent output of a 100wFEL
- Innovative Details 180° indexed rotation of shutter center, an easy focus control system with integral rear ring handle which acts as a cord wrap
- Molded gel frame holder
- Exclusive, unbreakable dichronic metal reflector which pumps the hot infrared radiation out the back and projects cooler full spectrum light
- Available in fixed or zoom models
- Easy, no-tool lens changes on all fixed focus units are standard features
- Color frames, pipe clamp and safety cable included
- Connectors and lamps are additional
- Variable zooms also available, contact a sales representative for information

Cat. #	Description
LEAES6-50	Shakespeare 50°
LEAES6-40	Shakespeare 40°
LEAES6-30	Shakespeare 30°
LEAES6-20	Shakespeare 20°

### Altman 6" Ellipsoidals

- 500 750 watts
- Takes the following lamps:

LPEHD 500 watts LPEHG 750 watts

- Two heat resistant plano convex lenses
- Aluminum die cast and sheet metal construction
- Axial mount TP 22 socket
- Double flatted specular Alzak aluminum reflector
- Three 36" Teflon lead wires
- Pipe clamp for 3/4" to 1 1/2" pipe included
- Plated steel color frame included
- · Safety cable with spring clip included
- Underwriters Laboratory listed for up to 500 watts
- Connector not included

At a throw of 40' the

	THE MEMORY OF TO THE
Cat. #	Approximate Light Diameter is:
LEAE360Q 4.5x6	41'
LEAE360Q 6x9	27'
LEAE360Q 6x12	19'
LEAE360Q 6x16	14'
LEAE360Q 6x22	8'

### Micro Ellipse

- A lightweight framing spotlight incorporating a 2" optical system designed to produce narrow to medium beam spreads up to 15 feet away
- Ideal for architectual and display applications due to the lamps long life, low cost, and low wattage
- Included are four integral steel framing shutters that provide beam shaping abilities in conjunction with a pattern slot and holder that accepts standard 1.5" patterns to project visual images
- UL listed for 75 watts

Cat. # Description
LEAEME Micro Ellipse







\*-CF Color Frame

## **Ellipsoidal Accessories**

<u>Cat. #</u>	Description	Cat. #	<u>Decription</u>
LEA3.5QPH	3.5" Pattern Holder	LEA6PH	6" Pattern Holder
LEA3.5QCF	3.5" Color Frame	LEA6CF	6" Color Frame
LEA3.5QSN	3.5" Snoot	LEA6SN	6" Snoot
LEA4.5PH	4.5" Pattern Holder	LEA8CF	8" Color Frame
LEA4.5CF	4.5" Color Frame	LEA8SN	8" Snoot
LEA4.5SN	4.5" Snoot		

## Border & Cyc Lights

### Altman #R40 Borderlight

- Porcelain sockets on 6 inch centers
- Spring loaded color frame door
- Combination glass or sheet color filter frame. Roundel not included
- Three 36" Teflon lead wires per circuit on portable sections
- Hanging hardware included. Floor trunion may be substituted
- Compartmented for color separation
- U.L. listed for up to 300 watts
- Connectors not included
- Takes the following lamps:

LP73F	150 watt	Flood Clear
LP73S	150 watt	Spot Clear
LP74F	300 watt	Flood Clear
LP74S	300 watt	Spot Clear
LP65	150 watt	Colors

(LP65 is available in Amber, Blue, Green,

Pink, Red & Yellow. Please specify.)



#### **Additional Accessories**

Product#	Description
LEABR40CF	Color Frame
LEABR40FT	Floor trunion (pair)
LEABR40CFT	Castered Floor trunion (pair)

LEABR55/8 5 5/8" Roundel (Amber, Blue, Clear, Green & Red)

	Unit	Socket	# of Ltgs	# of	# of Ltgs	Roundel	Lamp	Lamp	
Cat. #	Description	Length	on ctr.	/unit	circuit	/circuit	size	wattage	Socket
LEABR406	R40 Borderlight	6'	6"	12	3 or 4	4 or 3	5 5/8"	75-300	med. screw
LEABR4075	R40 Borderlight	7.5'	6"	15	3	5	5 5/8"	75-300	med. screw
LEABR408	R40 Borderlight	8'	6"	16	4	4	5 5/8"	75-300	med. screw

### **Altman Ground Cyc**

- Porcelain recessed single contacts on 9 inch centers
- Spring loaded color frame door
- Compartmented for color separation
- U.L. listed for up to 1000 watts
- Floor trunions included
- Asymmetrical distribution for even cyc washes
- 36" Teflon leads
- Connectors not included
- Price per 9" section
- · Specify 3 or 4 circuits and number of sections

		Unit	Lamp	Lamp
Cat. #	Description	Length	wattage	socket
LEABGC	Ground Cyc	9"	300-1000	(2) R.S.C.
LEABGCCF	Color Frame			
LPEHZ	300 watt bulb			
LPFCL	500 watt bulb			
LPEJG	750 watt bulb			

1000 watt bulb

## Altman Sky Cyc

- Wide spacing 12' O.C. typical
- Broad even distribution

**LPFHM** 

- High efficiency reflector
- U.L. listed for up to 1500 watts
- Multiple mounting configurations
- Three 36" Teflon leads
- Connectors not included
- Price per 9" section
- Specify # of sections and configurations

opecity " of secti	ions and comigaratio	110		
		Unit	Lamp	Lamp
Cat. No.	Description	Length	wattagw	socket
LEABSC	Sky Cyc	9" section	1000-1500	(2)R.S.C.
LEABSCCF	Color Frame			
LPFFT	1000 watt			
LPFDB	1500 watt			
LPFGT	1500 watt			





## Altman EconoCyc

- EconoCyc is lightweight, compact luminaire designed to provide an even wash of light on cyc and backdrops.
- Can also be used as a multipurpose flood/fill light for stage and studio lighting.
- Features highly polished and peened reflector
- U.L. listed for up to 1000 watts
- Floor trunions included
- The housing has a rugged slide bracket which allows multiple units to be safely locked together
- Includes black hinged colorframe
- 36" Teflon leads
- Connectors not included
- Price per 9" section
- Specify 3 or 4 circuits and number of sections

Cat. #	Description
LEABEC	EconoCyc per section
LEABFCCF	Color Frame
LPDVS	500 watt bulb
LPDWT	1000 watt bulb

## Followspots & Lighting Hardware

#### Altman Luminator

- Top operated color boom, iris, and dimmer controls
- High performance lamp
- Six color boomerang
- Rugged, compact and lightweight
- Adjustable castered stand with cable hook included
- Dual adjustable lenses
- · Positive locking pan and tilt adjustment
- UL listed for 410 watts
- Total weight with base: 57 lbs.
- Overall height: 68" plus

Cat. # Description

LEAFSL Luminator Follow Spot LPFLE Lamp FLE (Included)



- Throws from 50' to 150'
- Top operated framing, iris, and dimmer controls
- Low wattage high performance lamp
- Spring loaded automatic color boomerang
- · Sheet steel and die cast construction
- · Adjustable castered stand included
- Removable 25' long power cable
- Dual adjustable lenses
- UL listed (pending)
- Total weight with base: 91.5 lbs.
- Overall height: 58 1/2"

Description

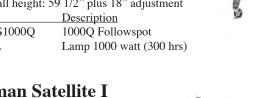
LEAFSCOMET Comet-FLE lamp included Lamp 360 watt Ushio (75 hrs) **LPENX LPFLE** Lamp 360 watt Sylvania (25 hrs)



#### **Altman 10000**

- Throws from 25' to 125'
- Rear operated controls
- · Integral iris and beam shaper
- Six color boomerang with dowser
- Integral 25' power cable
- Sheet steel and die cast construction
- · Adjustable castered stand included
- Positive locking pan and tilt adjustment
- · Forced air cooled
- Underwriters Laboratory listed for 1000 watts
- Total weight with base: 93.5 lbs.
- Overall height: 59 1/2" plus 18" adjustment

Description LEAFS1000Q 1000Q Followspot **LPFEL** 



#### Altman Satellite I

- Throws from 50' to 150'
- 7° 20° zoom range
- · Easy relamping
- Low power consumption
- · Easy disassembly trouping stand
- Spring loaded automatic color boom
- Separate diameter and intensity controls
- Smooth easy operation
- UL listed
- 575 watt HMI /in reflector included

Cat. # Description Satellite I LEAFSSATE







## **Safety Cable** #LH2230

- 30" long so it will fit any light fixture
- When a "C" clamp fails, a #LH2230 safety cable will stop a light from hitting an actor's head.



## **Old Style Pipe Clamp** #LH5PC9C

- Our C clamp is designed the way C clamps were supposed to be... shaped like a "C"
- The top of our C clamp extends further than most others so it stays hooked to the batten even if it loosens

LHBPC

• Fits 1 1/2" & 2" pipes





**Pipe Clamps** 

Cat. # Description LH510HD Heavy duty pipe clamp (1/2" to 2") LHPC Pipe clamp (fits 3/4" to 1 1/2" pipe) LHBPC Baby pipe clamp-cast aluminum

## Lighting Trees & Hardware



#### Iron Accessories

Cat. # Description

LH508 Borderlight hanger arm (10") LH509 Side arm with sliding tee (12" pipe)

(Longer side arms are available upon request with additional Sliding Tees)

LHTEE Sliding Tee



#LHTEE Sliding Tee





## **Lighting Bases & Accessories**

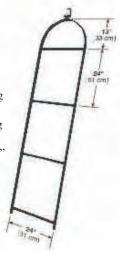
- You can construct your own lighting trees using the bases listed below
- You can also construct your own tree using the lightweight Ultimate Support components listed below

Cat. #	Description
LHB50	50lb. base 1 1/2" NPT thread
LHB50CB	50lb. base 1 1/2" NPT thread w/casters
LHB18	25lb. base 18" diametwer 1" NPT thread
LHB3CB	3 legged base with casters 1 1/4" NPT thread

#### Ladders

- This heavy duty channel stock steel ladder, finished in a heavy duty black enamel, available in 2-3-4 rung configurations is ideal for mounting most fixtures, including the 1K series from the tormentor position or wherever vertical mounting of multiple units is required
- Ladder is 24" wide and the rungs are spaced 24"
- Supplied with a heavy duty pipe clamp

Cat. #	Description		
LH262	Two rung		
LH263	Three rung		
LH264	Four rung		





tree packages. We only feature the Heavy Duty Package in this catalogue.

For other products, contact a sales representative

· Black finish

• Includes - 1-Tripod Stand (5' to 9'2"), 1-Cross Bar (48"), 2-Arms (24"), 1-Vertical Extension (24"), 1-Tote Bag

Cat. #	Description	<u>Finish</u>
HT33BPT	Heavy Lighting Tree	Black



Cat. #	Description
LH524-18	Telescoping Stand 18" base (expands from 5' to 9')
LH525-18	Telescoping Stand 18" base (expands from 3' to 5')
LH526/5-9	Castered Telescoping Stand (expands from 5' to 9')
LH526/3-5	Castered Telescoping Stand (expands from 3' to 5')

## Littlites, Strobes & Chaser Lights

#### L-3

## **High Intensity Sets**

- This gooseneck lamp is used for turntables, preamps, keyboards, music stands, lecterns, mixers, lightboards, clip boards, and anywhere you need a light.
- · Both sets include: base and dimmer, 6 foot cord, wall plug-in transformer, gooseneck, high intensity hood, and quartz halogen bulb
- Two pieces of snap mount and screws included for permanent mounting.

Cat. #	Description
LLL-3/12	12" Littlite Set
LLL-3/18	18" Littlite Set
LLQ5	Quartz Halogen Bulb
LLWB	Weighted Base
	(makes the light freestanding

## L-7 LED or **High Intensity**

- This new L-7 series lampset is identical to the other lampset but features an end-mount gooseneck enabling the gooseneck to lay flat when not in use.

Comes complete with power supply (not shown) and mounting kit.		
Cat. #	Description	Lamp
LLL7/12LED	12" Littlite Set	LED
LLL7/18LED	18" Littlite Set	LED
LLL7/12	12" Littlite Set	High Intensity
LLL7/18	18" Littlite Set	High Intensity

## **Music Stand Light LED or High Intensity**

- Works on any standard music stand with a flat edge
- Friction mounts on the top or side
- · With power supply

Cat. #	Description	Lamp
LLMS/12LED	12" Littlite Set	LED
LLMS/18LED	18" Littlite Set	LED
LLMS/12	12" Littlite Set	High Intensity
LLMS/18	18" Littlite Set	High Intensity



LLQ5



Description
Quartz Halogen Bulb
5 watt 12v 38MA
2.4 watt 12v 230 mA

High Intensity Tungsten-halogen Incandescent

LL1815



### The Super Strobe

- The 50S-2 Super Strobe features the new yoke with feed thru daisy chain connector
- The original design breakthrough linear lamp strobe was designed for wide area coverage and a variable intensity and rate. New user friendly mechanical housing
- · All solid state circuitry
- Long life, quartz xenon lamp (50 million flashes)
- Variable intensity and rate control
- 50 Watt sec/flash (max) at 1to12 flashes per second. (50 Joules)12,500 watts per flash
- 5600 degrees Kelvin (daylight) color temperature
- Operates from standard line voltage 120 volts (100-130v, 60 Hz, 15A)
- Heavy duty extruded aluminum construction for heat dissipation
- Lightweight design: 16" x 7" x 7" 8 lbs.
- Requires a controller
- The #50RC Remote Control features single flash pushbutton, variable rate, variable intensity, on/off swich and burst capabilities. The RC-50 will drive 4 strobes.



Cat. #	Description	RC-50
EEST50S2	Strobe Light 50 watt seconds	Controller necessary!
EEST50RC	Strobe Remote Control with 2	5' cable
EESTL	Lamp for Strobe lights (#0439	)-replacement

## **Chaser Lights**



- With these light strings you can duplicate the brilliant effects of the chase strip lighting seen on theatre marquees
- Each chaser strand comes with a controller for that strand length and a molex connector
- If you need longer lengths, contact a sales representative for a price quote. Do not attempt to attach two sections. In order to have the lights chase properly, you want the length continuous
- Price includes 10 watt frosted 1 1/2" diameter non-glare cosmetic bulbs
- Frosted bulbs are standard. Colored lamps are available
- Allow 2 to 3 weeks for delivery

<u>Cat.</u> #	Description	length	# of bulbs	watts/section
EEC15	Chaser Lights	15'	45	450
EEC20	Chaser Lights	20'	60	600
EEC30	Chaser Lights	30'	90	900
EEC40	Chaser Lights	40'	120	1200

## **Chaser Light Bulbs**

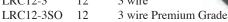
• Sold by the dozen

Cat. No.	Color
EECL12	Frosted
EECL12CS	Clear - steady

## Cable & Electrical Aides

#### **Rubber Cable**

Cat. #	Gauge	# of leads
LRCZ	18	2 wire (zip cord)
LRC12-3	12	3 wire





### **Replacing Instrument Leads**

- Due to the high heat emitted by lighting instruments, special heat resistant leads are used to feed power into the back of the lighting fixture
- Prices per 40" lead with eyelets
- Three leads plus a glass woven sleeve (36" long) equal one instrument lead

Cat. #	Description
LTLBK	Black
LTLGN	Green
LTLW	White

**LTLGWS** Glass Woven Sleeve (additional)

#### **Strain Reliefs**

- The accessory Strain Relief is suggested for the 20 amp connector when undersized cable is used
- It is ideally suited for use with the sleeved leads common to many lighting fixtures
- The tough polycarbonate clamping device will accept cable sizes up to 16/3 type S

Cat. #	Description
RSR	20 Amp Clamp Style

#### Two - Fers

• Two - fers are available with no connector, stage pin grounded (GP) or twistlock grounded (GL)



<ul> <li>Rubber cable le</li> </ul>	eads	2
Cat. #	<u>Description</u>	,00
LC2F-36	Two-fer 36" length - no conne	ectors
LC2FGP-36	Two-fer 36" length - stage pin	grounded
LC2FGL-36	Two-fer 36" length - twistlock	grounded

#### Three-Fers

• Three-Fers are available with no connector, stage pin grounded (GP) or twistlock grounded (GL)

• Rubber cable leads

Cat. #	Description	2
LC3F-36	Three-Fer 36" length - no connect	tors
LC3FGP-36	Three-Fer 36" length - stage pin g	rounded
LC3FGL-36	Three-Fer 36" length - twistlock s	rounded

#### Adaptors

• These small, rugged adaptors are of unibody construction and factory wired

<u>Cat. #</u>	Description
RA70005	20 Amp Male Stage Pin to 15 Amp U-Ground
RA70007	20 Amp Female Stage Pin to 15 Amp Male U Ground
RA70003	20 Amp Male Stage Pin to 20 Amp Female Twistlock
RA70004	20 Amp Female Stage Pin to 20 Amp Male Twistlock



• Three-wire

Note: The wire should be the correct gauge to maintain adequate voltage to the power tool. Recommended extension cords are listed on instruction sheets packed with each power tool.

Cat. #	Length	Gauge
LRC83954	25,	16-3
LRC83957	50'	16-3
LRC83958	100'	16-3

#### Wire Ties

Cat. # Size	Color	Pkg	Cat. # Size Color Pk	g
LRCWT4BK 4"	Black	100	LRCWT15BK 15" Black 10	0
LRCWT4W 4"	White	100	LRCWT15W 15" White 10	0
LRCWT7BK 7"	Black	100	LRCWT24BK 24" Black 50	)
LRCWT7W 7"	White	100	LRCWT24W 24" White 50	)
LRCWT11BK 11"	Black	100	LRCWT36BK 36" Black 50	)
LRCWT11W 11"	White	100	LRCWT36W 36" White 50	)

(C) Charles and Company of the Compa

#### Wire Nuts

Cat. #	Color	For
LRCWNGY	Grey	2-#12 to 6-#12
LRCWNR	Red	2-#14 to 4-#12
LRCWNY	Yellow	3-#18 4-#14 w/1-#18
LRCWNBL	Blue	2-#18 or 2-#16

#### Rosco Wallhugger<sup>TM</sup>

- This adapter is the perfect solution when you need to use standard 15 amp wall outlets for fixtures equipped with stage pin 3-pin connectors.
- Fits flush against the wall outlet, requiring only 1.5" for the head of the adapter.
- The stagepin connector is attached at the bottom of the device, so the connector does not protrude from the wall.

Cat. # Description RCWH Rosco Wallhugger



## Cinefoil/ **Black Foil**

- Used to mask light leaks and to conceal unsightly cabling. Use it outdoors for weather protection. It is the ideal material for making a snoot to shape a beam of light or barndoors to control spill. In film and video work, shiny surfaces which cause unwanted reflection can be quickly covered with black foil
- · When wrapped around fixtures or hardware, it keeps its shape and
- On strike night, Cinefoil is easy to remove
- Blackwrap is .002" thick, coated matte black on two sides

Cat. No.	Description
RCF12	Black Foil 12" x 50' roll
RCF24	Black Foil 24" x 25' roll



## Dove Dimmers & Connectors

## **Dove Scenemaster 1**

#### #LEDSM1-DUG

- All in one Control and Dimmer
- Six 1000 Watt Dimmers
- Dual U Ground outputs
- Single Scene Control
- Requires only two wall outlets for power
- Dimensions 18 3/4" x 10 1/4" x 3 3/4"
- Shipping Wt. 16 pounds

#### **Dove Scenemaster 6**

- All in one Control and Dimmer
- Six 1000 Watt Dimmers
- Two-Scene Preset Control
- Timed Crossfader (0-2 min)
- Grand Master Fader
- Bump/Flash Buttons
- Use wall outlets for power
- Master/Slave option
- Remote Footswitch option
- Shipping Wt. 16 pounds
- Dimensions 15 1/4" x 10 1/2" x 7"

Cat. #	Outputs
LEDSM6-DUG	Dual U-ground outputs
LEDSM6-SSP	Single Stage Pin outputs



DOVE SYSTEMS

CENEMASTER

## **Dove Mini Shoebox Dimmer & Controller**

- They may be pipe or tree mounted and are perfect for tight spaces where conventional rackmount dimmer packs are too bulky
- With both male and female XLR connectors, the control switch may be daisy-chained from pack to pack
- DMV or analog

• DIVIA of allalog		
Cat. #	Description	Output
LEDDM-406D	4 x 600w / 2400s Total Cap.	U-Ground
LEDDM-124D	1 x 2400w / 2400w Total Ĉap.	Stage Pin
LEDDM-410D	4 x 1000w / 4000w Total Cap.	U-Ground
	(201 = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1105)



Cat. #	Description
LEDIQ512M	Standard DMX Control Board for 512 dimmers
-	Stores nearly unlimited number of cues & shows

## **Stage Pin**

### **Connectors**

• Ground 3 pole connectors

Cat. #	Volts	Amps	Type
LC111F	125/250	20	Female
LC111M	125/250	20	Male
LC111PR	125/250	20	Pair

• 2 pole male connectors

Cat. #	Volts	Amps	Type
LC138M	250	20	Male









New Style - Nib In

Old Style - Nib Out

#### **Twistlock Connectors**

- The most secure connection available, but very expensive
- They are available in two different pin configuration nib-in or nibout, which is important to know
- Grounded 3 pole connectors

Cat. #	Amp	type	configuration
LCTWC3F	20	Female	old - nib out
LCTWC3M	20	Male	old - nib out
LC2311	20	Male	new - nib in
LC2313	20	Female	new - nib in



#### **U-Ground Connectors**

Description
Male, 3 wire, black
Female, 3 wire, black



**Cube Tap** #LECUBE



Add a Tap #LEAAT



**Quick Ons** #LEQOM (Male) #LEQOF (Female)





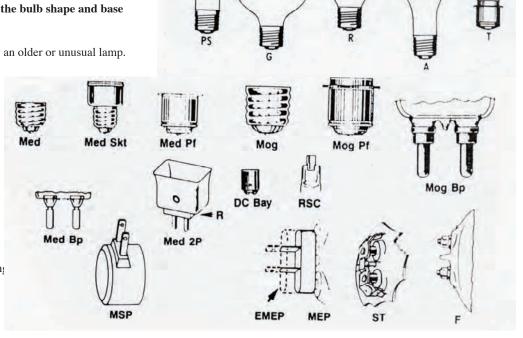
## Lamps & Sockets

#### **Lamp Identification**

- Incandescent Lamps are used in old style lighting instruments. The old lamp forms a residue on the bulb which usually makes it difficult to read its identifying codes. By using the bulb designation shown, you can locate a replacement bulb from our lamp section. The codes are stated in the description (i.e.: 1M/G40 or R40). Many popular incan descent lamps are now available as tungsten halogen. These lamps have three letter ANSI codes in their description.
- Tungsten Halogen (Quartz) Lamps are easily identified by their ANSI codes which are stamped on the bulb and the base.
- · Lamps can be identified by examining the bulb shape and base

Use the illustrations below to help identify an older or unusual lamp.

Lamp Bases:	
Med	medium
Med SKT	medium skirted
Med PF	medium prefocus
Mog	mogul
Mog PF	mogul prefocus
Mog BP	mogul bipost
Med BP	medium bipost
Med 2P	medium 2 pin (TP22)
DC Bay	double-contact bayonet
RSC	recessed single contact
	(double end - D.E.)
MSP	medium side prong
EMEP	extended mogul end prong
MEP	mogul end prong
ST	screw terminal
FC	ferrule contact
MC	minican
2TP	two pin prefocus



### **Replacement Sockets**

<u>Cat. #</u>	<u>Description</u>
LB01	Medium Screw - any medium screw lamp
LB02	Medium Prefocus - 250/500/750/1000 watt
LB03	Mogul Screw - any mogul screw lamp
LB04	Mogul Prefocus - 1000/1500/2000/3000
LB05	Mogul BiPost - 1000/1500/2000/3000 watt
LB06	Medium BiPost - 250/500/750 watt
LB07	RSC (Recessed Single Contact)
LB08	Medium 2P (TP22)
LB09	D.C. (Double Contact Bayonet)

#### **Rosco Colorine**

- · Used to color low wattage bulbs, lamps, and glass
- Sold by the pint (16 oz.)
- Requires dangerous goods shipping fee even via ground service.

<u>Cat. #</u>	Description	Closest Roscolux
RC7601	Cardinal Red	(26)
RC7602	Ruby Red	(27)
RC7603	Magenta	(49)
RC7604	Moonlight Blue	(80)
RC7605	Urban Blue	(82)
RC7607	Emerald Green	(90)
RC7610	Golden Amber	(41)
RC7615	Canary Yellow	(15)
RC7617	Clear	
RC7680	Thinner	

## **Lamps - Incandescent & Quartz**

				Life	Color
Cat. #	Watts	Description	Base	Hours	Temp(k°)
LP08F	250	G30 Flood	Med	800	2800
LP08S	250	G30	Med	200	2900
LP12F	400	400G/FL Flood	Med	800	2850
LP12S	400	400G/SP Spot	Med	200	2950
LP17F	500	500G/FL Flood	Mog	800	2850
LP19	500	T20 (DMS)	Med	500	3200
LP20	500	T20/64 (DNW)	Med Pref	500	3050
LP23	500	T12/9 (DNS)	Med Pref	200	2950
LP24	500	T14/7 (EFX)	Med Bip	2000	3000
LP25	750	T12/9 (DNT)	Med Pref	500	3050
LP33A	1000	T12/2 (DNV/FME)	Med Pref	200	3200
LP37	1000	1M/T20P (DPW)	Mog Pref	50	3200
LP51	60	A19 120V Clear	Med	1000	
LP55	100	A19 129V Clear	Med	750	
LP56	150	A21 120V Clear	Med	750	
LP57	200	A23 120V Clear	Med	750	
LP58	300	PS-35 120V Clear	Mog	1000	
LP60	500	PS40 Clear 120V	Mog	1000	
LP61	750	PS52 Clear 120V	Mog	1000	
LP62	1000	PS52 Clear 120V	Mog	1000	
LP74F	120	BR40 Clear Flood	Med	2000	
LP74S	120	BR40 Clear Spot	Med	2000	
LPPAR36	25	PAR36 (pinspot)	Scr Term	1000	
LP75F	150	PAR38 Flood	Med Skt	2000	
LP75S	150	PAR38 Spot	Med Skt	2000	
LP83F	200	PAR46 Flood	Med Side	2000	
LP83S	200	PAR46 Spot	Med Side	2000	
LP85F	300	PAR56 Flood	MEP	2000	
LP85S	300	PAR56 Spot	MEP	2000	
LP87F	500	PAR64 Flood	EMEP	2000	
LP87S	500	PAR64 Spot	EMEP	2000	
LP87FQ	500	PAR56Q/MFL	MEP	4000	
LP87SQ	500	PAR56Q/NSP	MEP	4000	
LP88FQ	1000	PAR64Q/FL Flood	EMEP	4000	
LP88SQ	1000	PAR64Q/NSP Spot	EMEP	4000	

#### New lamp for 360Q

				Life	Color
Cat. #	Watts	Description	Base	Hours	Temp(k°)
LPGLA	575	T6 575W115v	Med 2P	1500	3100
LPGLC	575	T6 575W120V	Med 2P	300	3200

The GLC is brighter. The GLA has a longer life.

				Life	Color
Cat. No.	Watts	Description	Base	Hours	Temp(k°)
LPBTL	500	Q500T6	Med Pref	750	3050
LPBTN	750	Q750T7	Med Pref	500	3050
LPBTR	1000	T-7	Med Pref	200	3000
LPBTV	1000	T-7	Mog Pref	500	3050
LPBVV	1000	T-7	Mog Pref	200	3200
LPBVW	2000	T-9 1/2	Mog Pref	250	3200
LPBWA	2000	G38 2000W120V	Bipost	500	3000
LPCXZ	1500	T-8	Med Bp	325	3200
LPCYX	2000	T-9 1/2	Mog Bp	400	3200
LPDTA	1500	T20/39	Mog Pref	100	3200
LPDWT	1000	T-6	D.E.RSC	2000	3000
LPDXK	650	PAR36	Ferrule	20	3400
LPEDG	500	Q500T4	Med Pref	150	3200
LPEGE	500	Q500T4	Med Pref	2000	3000
LPEGG	750	Q750T12/CL	Med Pref	2000	3000
LPEGJ	1000	Q1000TG	Med Pref	400	3200
LPEGK	1000	Q1000TG	Med Pref	400	3200
LPEGN	500	T-6	Med Bip	100	3200
LPEGR	750	T-7	Med Bip	200	3200
LPEGT	1000	T-7	Med Bip	250	3200
LPEHC	500	T-4	Med 2p	200	3200
LPEHD	500	Q500T4	Med 2p	2000	3000
LPEHG	750	Q750T5	Med 2p	2000	3000
LPEHM	300	T-3 300T21/2Q	D.E. RSC	2000	2950
LPEHP	300	Q300T4/CL	D.E. RSC	2500	3000
LPEHR	400	Q400T4/CL	D.E. RSC	2000	3000
LPEHZ	300	T-3 300T21/2O	D.E. RSC	2000	3000
LPEJG	750	Q750T3/4CL	D.E. RSC	400	3200
LPEMD	750	Q750T3/4	D.E. RSC	400	3200
LPESP	150	T-4	D.C. Bay	1000	2900
LPESR	100	T-4	D.C. Bay	1000	2900
LPETC	150	150QCC/DC	D.C. Bay	2000	2900
LPEVR	500	T-4	Minican	2000	3000
LPFAD	650	Q650T4	D.E. RSC	100	3200
LPFAY	650	PAR36	Ferrule	36	5000
LPFCL	500	T-3 500T3Q/LL	D.E. RSC	2600	3000
LPFCM	1000	T-3 1000T3Q/4CL	D.E. RSC	300	3200
LPFCW	650	Q650PAR36/6	Ferrule	100	3200
LPFCX	650	Q650PAR36/7	Ferrule	100	3200
LPFCZ	500	T-3 500T3Q	D.E. RSC	2000	300
LPFDN	500	Q500T3/4	D.E. RSC	400	3200
LPFEL	1000	Q300T3/4 Q100TG		300	3200
LPHX600	575	FLK	Med 2p Med 2p	300	3200
LPHX600H					
LPHX600H	420	FLK with HPR T-4	Med 2p D.E. RSC	300 75	3200 3200
				400	
LPFFT	1000 1500	Q1000T3/1CL	D.E. RSC D.E. RSC	400	3200
LPFGT		T-4 Q1500T4/4			3200
LPFHM	1000	T-3 Q1000T3/4	D.E. RSC	400	3200

## **FLK Lamp Series**

**Efficient Tungsten Halogen Lamps for Ellipsoidal and Parabolic Spotlights** 





- Single-ended, tungsten halogen lamp
- Engineered for maximum light collection efficacy
- Optimum system performance
- Compact filament design (CC-8)
- Increased fixture efficiency
- Consistent and reliable lamp performance
- FLK lamp is interchangeable with FLK PLUS HPR 575/115
- FLK PLUS HPR  $^{\scriptscriptstyle{TM}}$  575/115 Patented Lamp Design with internal reflector
- FLK PLUS HPR $^{\text{\tiny{TM}}}$  575/115 provides a smoother, higher light output with more intense beam pattern, and lower seal temperature.
- Extended life version available FLK/X Ideal for architectural applications where lamps are operated for extended periods. Reduce change-outs during continuous performances
- FLK is equivalent to the HX600
- FLK/X is equivalent to the HX601

Hardware

## Color Frames & Roscolux:

## **Lighting Gels Swatchbooks**

- Gamcolor & Rosco are available in large designer swatchbooks that can be used in lighting fixtures to run tests in your studio
- Lighting designers favorite tool for color filter selection, the swatchbook, contains samples of every color in the range
- A swatchbook also includes transmission curves for each filter
- Swatchbooks are dated and users are advised to have an up-to-date swatchbook on hand

Cat. #	Description	Size
RXSB	Roscolux Swatchbook	1" x 3"
RXDSB	Roscolux Designer Swatchbook	3 1/2" x 4"
RX0810	Professional Reference Edition	8" x 10"

#### Roscolux

- The most durable color filter Rosco offers
- Sheets: 20" x 24"
- If you want to order this in rolls (24" x 50'), add an "RL" to the Cat. #

#### **Colorframes**

a "	5		W.
<u>Cat. #</u>	<u>Description</u>	Cat. #	<u>Description</u>
LEAMCF	3 3/8" x 3 3/8"	LEA568CF	-
LEA100CF	3 3/4" x 3 3/4"	LEA8CF	10" x 10"
LEA3.5QCF	4 1/8" x 4 1/8"	LEA153CF	10 1/2" x 10 1/2"
LEAZSCF	4 3/4" x 4 3/8"	LEASCCF	15 1/2" x 15 7/8"
LEAR40CF	5 3/4" x 6 3/4"	LEA154CF	15 3/4" x 16"
LEA4.5CF	6 1/4" x 6 1/4"	LEA161CF	16" Diameter
LEA6CF	7 1/2" x 7 1/2"	LEAR40CF	R40 Combo frame

### **Rosco Safety Frames**

- Heat resistant cardboard
- Remains cool for safe handling

Cat. #	Frame Size	Lens Size
RSF8620	4-1/4"	3-5/16"
RSF8621	7-1/2"	5-7/8"
RSF8622	9-3/4"	7-3/4"
RSF8623	4-1/2"	3-3/4"
RSF8625	6-1/4"	5"
	(E ETC C	37 0 A L



(For ETC Source Y & Altman Shakespeare)

add an "l	RL" to the Cat. #						
Cat. #	Description	Cat. #	Description	Cat. #	Description	<u>Cat.</u> #	Description
RX000	Clear	RX030	Light Salmon Pink	RX355	Pale Violet	RX376	Bermuda Blue
RX001	Light Bastard Amber	RX031	Salmon Pink	RX056	Gypsy Lavender	RX077	Green Blue
RX002	Bastard Amber	RX331	Shell Pink	RX356	Middle Lavender	RX377	Iris Purple
RX302	Pale Bastard Amber	RX032	Medium Salmon Pink	RX057	Lavender	RX078	Trudy Blue
RX003	Dark Bastard Amber	RX332	Cherry Rose	RX357	Royal Lavender	RX378	Alice Blue
RX303	Warm Peach	RX033	No Color Pink	RX058	Deep Lavender	RX079	Bright Blue
RX004	Medium Bastard Amber	RX333	Blush Pink	RX358	Rose Indigo	RX080	Primary Blue
RX304	Pale Apricot	RX034	Flesh Pink	RX059	Indigo	RX081	Urban Blue
RX005	Rose Tint	RX035	Light Pink	RX359	Medium Violet	RX082	Surprise Blue
RX305	Rose Gold	RX036	Medium Pink	RX060	No Color Blue	RX382	Congo Blue
RX006	No Color Straw	RX336	Billington Pink	RX360	Clearwater	RX083	Medium Blue
RX007	Pale Yellow	RX037	Pale Rose Pink	RX061	Mist Blue	RX383	Sapphire Blue
RX008	Pale Gold	RX337	True Pink	RX361	Hemsley Blue	RX084	Zephyr Blue
RX009	Pale Amber Gold	RX038	Light Rose	RX062	Booster Blue	RX384	Midnight Blue
RX010	Medium Yellow	RX039	Skelton Exotic Sangria	RX362	Tipton Blue	RX085	Deep Blue
RX310	Daffodil	RX339	Broadway Pink	RX063	Pale Blue	RX385	Royal Blue
RX011	Light Straw	RX040	Light Salmon	RX363	Aquamarine	RX086	Pea Green
RX012	Straw	RX041	Salmon	RX064	Light Steel Blue	RX386	Leaf Green
RX312	Canary	RX042	Deep Salmon	RX364	Blue Bell	RX087	Pale Yellow Green
RX013	Straw Tint	RX342	Rose Pink	RX065	Daylight Blue	RX088	Light Green
RX313	Light Relief Yellow	RX043	Deep Pink	RX365	Tharon Delft Blue	RX388	Gaslight Green
RX014	Medium Straw	RX343	Neon Pink	RX066	Cool Blue	RX089	Moss Green
RX015	Deep Straw	RX044	Middle Rose	RX366	Jprdan Blue	RX389	Chrome Green
RX016	Light Amber	RX344	Follies Pink	RX067	Light Sky Blue	RX090	Dark Yellow Green
RX316	Gallo Gold	RX045	Rose	RX367	Slate Blue	RX091	Primary Green
RX017	Light Flame	RX046	Magenta	RX068	Sky Blue	RX092	Turquiose
RX317	Apricot	RX446	Tropical Magenta	RX368	Winkler Blue	RX392	Pacific Green
RX018	Flame	RX047	Light Rose Purple	RX069	Brilliant Blue	RX093	Blue Green
Rx318	Mayan Sun	RX347	Belladonna Rose	RX369	Tahitian Blue	RX393	Emerald Green
RX019	Fire	RX048	Rose Purple	RX070	Nile Blue	RX094	Kelly Green
RX020	Medium Amber	RX348	Purple Jazz	RX370	Italian Blue	RX095	Medium Blue Green
RX021	Golden Amber	RX049	Medium Purple	RX071	Sea Blue	RX395	Teal Green
RX321	Soft Golden Amber	RX349	Fisher Fuchsia	RX371	Theatre Booster 1	RX096	Lime
RX022	Deep Amber	RX050	Mauve	RX072	Azure Blue	RX097	Light Grey
RX023	Orange	RX051	Surprise Pink	RX372	Theatre Booster 2	RX397	Pale Grey
RX024	Scarlet	RX351	Lavender Mist	RX073	Peacock Blue	RX098	Medium Grey
RX324	Gypsy Red	RX052	Light Lavender	RX373	Theatre Booster 3	RX398	Neutral Grey
RX025	Orange Red	RX053	Pale Lavender	RX074	Night Blue	RX099	Chocolate
RX324	Henna Sky	RX353	Lilly Lavender	RX075	Twilight Blue	To view Ro	scolux colors
RX026	Light Red	RX054	Special Lavender	RX375	Cerulean Blue		
RX027	Medium Red	RX055	Lilac	RX076	Light Green Blue	go to www	.Rosco.com.
					-		

#### **Diffusion Materials**

• Stocked in rolls only, (except where noted) 48" x 25'

~	
	Description
RL3002R	
RL3004R	Half Density Soft Frost
RL3014R	Hilite (54" x 22') Special Price
RL3030R	Grid Cloth
RL3032R	Light Grid Cloth
RL3034R	1/4 Grid Cloth
RL3000R	Tough Rolux
RL3001R	Light Tough Rolux
RL3006R	Tough Spun
RL3007	Light Tough Spun
RL3022R	1/4 Tough Spun
RL3008R	Tough Frost
RL3009R	Light Tough Frost
RL3010R	Opal Tough Frost
RL3020R	Light Opal Tough Frost
RL3011R	Tough Silk
RL3015R	Light Tough Silk
RL3026R	Tough White Diffusion
RL3027R	1/2 Tough White Diffusion
RL3028R	1/4 Tough White Diffusion
RL3029R	Silent Frost
RL3040R	Powder Frost
RL3046	Velvet Frost
RL3047	Light Velvet Frost
RL3060R	Silent Grid Cloth (60" x 22')
RL3062R	· · · · · · · · · · · · · · · · · · ·
RL3064	Silent Quarter Light Grid Cloth (60" x 20')

## Tungsten Conversion Filter • Stocked in 48" x 25' rolls only

Cat. #	Description
RC3202R	Full Blue (CTB)
RC3203R	Three-Quarter Blue (3/4 CTE
RC3204R	Half Blue (1/2 CTB)
RC3206R	Third Blue (1/3 CTB)
RC3208R	Quarter Blue (1/4 CTB)
RC3216R	Eighth Blue (1/8 CTB)
RC3220R	Double Blue (2x CTB)

## **Cinegel Products**• Stocked in 48" x 25' rolls only

C-4 #	Danamination
<u>Cat. #</u>	<u>Description</u>
RC3407R	RoscoSun CTO
RC3411R	RoscoSun 3/4 CTO
RC3408R	RoscoSun 1/2 CTO
RC3409R	RoscoSun 1/4 CTO
RC3410	RoscoSun 1/8 CTO
RC3420	RoscoSun Double CTO
RC3441R	Full Straw (CTS)
RC3442R	Half Straw (1/2 CTS)
RC3443R	Quarter Straw (1/4 CTS)
RC3444R	Eighth Straw (1/8 CTS)

### **Roscolux Diffusion**

• A range of filters designed to alter the shadow characteristics or the beam shape of light

Cat. #	Description	<u>Cat.</u> #	Description
RX100	Frost	RX120	Red Diffusion
RX101	Light Frost	RX121	Blue Diffusion
RX102	Light Tough Frost	RX122	Green Diffusion
RX103	Tough Frost	RX123	Amber Diffusion
RX104	Tough Silk	RX124	Red Cyc Silk
RX105	Tough Spun	RX125	Blue Cyc Silk
RX106	Light Tough Spun	RX126	Green Cyc Silk
RX111	Tough Rolux	RX127	Amber Cyc Silk
RX112	Opal Tough Frost	RX132	Quarter Hamburg Frost
RX113	Matte Silk	RX140	Subtle Hamburg Frost
RX114	Hamburg Frost	RX160	Light Tough Silk
RX115	Light Tough Rolux	RX162	Light Opal
RX116	Tough White Diffusion	RX163	Powder Frost
RX117	Tough 1/2 White Diffusion		
RX118	Tough 1/4 White Diffusion		
RX119	Light Hamburg Frost		

### **Rosco Acrylic Panels**

• These panels are oversized and must be shipped via truck

1		11	
Cat. #	Description		Roll Size (ft)
RCAPN854x8	Roscolex 85		4 x 8
RCAPN124x8	Roscolex 1/2 CTO		4 x 8
RCAPN34x8	Roscolex N3		4 x 8
RCAPN64x8	Roscolex N6		4 x 8
RCAPN94x8	Roscolex N9		4 x 8
RCAPN855x8	Roscolex 85		5 x 8
RCAPN35x8	Roscolex N3		5 x 8
RCAPN65x8	Roscolex N6		5 x 8
RCAPN95x8	Roscolex N9		5 x 8

## Fluorescent Light Filters • Stocked in 48" x 25' rolls only

Cat. #	<u>Description</u>
RL3304R	Tough Plusgreen
RL3315R	Tough 1/2 Plusgreen
RL3316R	Tough 1/4 Plusgreen
RL3317R	Tough 1/8 Plusgreen
RL3308R	Tough Minusgreen
RL3313R	Tough 1/2 Minusgreen
RL3314R	Tough 1/4 Minusgreen
RL3318R	Tough 1/8 Minusgreen
RL3310R	Fluorofilter
RL3311R	Fluorofilter Sleeves

## Lee Filters & Gobo Rotators



5 x 8

5 x 8

#### Lee Acrylic Panels

• These panels are oversized and must be shipped via truck Description Roll Size (ft) Lee Filters 1/2 CTO LFAPN124x8 4 x 8 LFAPN34x8 Lee Filters N3 4 x 8 LFAPN64x8 Lee Filters N6 4 x 8 LEFPN94x8 Lee Filters N9 4 x 8 Lee Filters N3 LFAPN35x8 5 x 8

### **Lee Tungsten Light Conversion**

Lee Filters N6

Lee Filters N9

• Converts a tungsten light source to daylight. Rolls: 48" x 25"

Cat. #	Description
LF201R	Full C.T. Blue
LF202R	1/2 C.T. Blue
LF203R	1/4 C.T. Blue
LF218R	1/8 C.T. Blue

LFAPN65x8

LFAPN95x8

### Lee Daylight Conversion

• Converts daylight to a tungsten light.

Cat. #		Cat. #
48" x 25"	Description	60" X 22'
LF204R	Full C.T. Orange	LF204W
LF85R	3/4 C.T. Orange	LF85W
LF205R	1/2 C.T. Orange	LF205W
LF206R	1/4 C.T.Orange	LF206W
LF207R	C.T. Orange & N3	LF207W
LF208R	C.T. Orange & N6	LF208W
LF228R	1/8 C.T. Orange	LF228W

#### Lee Grid Cloths

• Grid Cloths are made from a reinforced material that contains diffusion properties ranging from medium to dense. Create the effect of a shadowless beam of light.

Cat. #		Cat. #
48" x 25'	Description	60" X 22'
LF430R	Full Grid	LF430W
LF432R	1/2 Grid (Lt. Grid)	LF432W
LF434R	1/4 Grid	LF434W
LF460R	Quiet Grid	LF460W
LF462R	Quiet Light Grid	LF462W
LF464R	Quiet Quarter Grid	LF464W

#### Lee Frosts

• Frosts are used for a variety of applications, offering a low to medium diffusion, to a beam of light while maintaining the shape of the beam

Rolls: 48	" x 25'
Cat. #	Description
LF129R	Heavy Frost
LF253R	Hampshire Frost
LF255R	Hollywood Frost
LF256R	1/2 Hampshire Frost
LF402R	Soft Frost
LF404R	1/2 Soft Frost
LF414R	Hi Light
LF429R	Quiet Frost

#### Lee Protection & UV

Rolls: 48" x 25 Cat. # Description LF269R Heat Shield LF280R Black Foil U.V. Filter LF226R

#### Lee Neutral Density

· Reduces light intensity without changing color.

Cat. #		Cat. #
48" x 25"	Description	60" X 22"
LF209R	0.3 ND	LF209W
LF210R	0.6 ND	LF210W
LF211R	0.9 ND	LF211W
LF298R	.15 ND	LF298W
LF299R	1.2 ND	LF299W

#### Lee Diffusion Materials

• Diffusions spread the projected beam of light over the subject, some loss of light will possibly be seen.

Cat. #		Cat. #
48" x 25'	Description	60" X 22'
LF216R	White Diffusion	LF216W
LF228R	Brushed Silk	n/a
LF250R	Half White Diffusion	LF250W
LF251R	1/4 White Diffusion	LF251W
LF252R	1/8 White Diffusion	n/a

#### Lee Reflectors & Scrims

Cat. #		Cat. #
48" x 25"	Description	60" X 22'
LF271R	Mirror Silver	LF271W
LF272R	Soft Gold Reflector	LF272W
LF273R	Soft Silver Reflector	LF273W
LF274R	Mirror Gold	LF274W
LF270R	Scrim	LF270W
LF275R	Black Scrim	LF275W



### **Donuts** #LAD

Cat. #

• Donuts provide greater sharpness and contrast to the image by reducing halation and eliminating

• The Donut fits in the gel frame holder of any 6" ellipsoidal spotlight

• 7 1/2" x 7 1/2" with a 3" diameter hole in the center

## Pattern Holders

RPH	Rosco
	Tab Style "B" Size
D DIVIG	
DDLIC	Gobo Holder Sandwich Type

Description

Gobo Holder-Sandwich Type



## Rosco Vortex 360 **Dual Rotator** #RV360

The Vortex 360 Dual Rotator is one of the most versatile accessories ever offered to lighting designers. And its incredibly low price makes it possible for any theatre or venue to have several

units available to cover any space or meet any need.



The sleek unit houses two carefully crafted gear drives, both made of stainless steel, to assume long term operation. A single silent motor drives both gear assemblies. Even at full speed, the Vortex 360 Dual Rotators is so quiet it can be used anywhere in a theatre or venue - including front of house positions in a theatre or grids on low ceiling in restaurants or stores.

The Plug and Play model of the Vortex 360 does not require any additional power supply. The transformer/plug that comes with it can be plugged directly into a wall outlet. Or, using a low cost adapter, into any convenient dimmer.

The Vortex 360 includes a three-way toggle switch, discreetly located just under the handle. The switch allows you to turn the unit off and on and to control polarity. The front and rear gears rotate opposite each other-but the switch allows the user to determine wheter the front or rear will operate

A potentiometer knob provides manual control of the speed of rotation.

www.mutualhardware.com

## Gobos/Patterns



- We stock Rosco "B" Size Patterns and some limited GAM Gobos
- Shown here is a small selection of the most popular images. To browse all the designs, visit Rosco's website at www.rosco.com and note the gobos that you need. You will find them all listed on our website www.mutualhardware.com.
- Standard sizes for most ellipsoidal and atuomatic luminaires are available. We stock the "B" size in steel.
- To order, use Rosco's number with a prefix RPH.





78218 SUMMER BRANCHES



THICKET Francis Bellman



PINE TREES Marsha Ech



FOREST FLOOR Paul Sweeney



FOREST TOP Paul Sweeney



FOREST STAGE RIGHT form Sturge & David Summe



77794
FOREST STAGE LEFT
om Stage & David Summ



77862 SPOORY WOOD



TWICE-Andrew Bridge



77757 IRREGULAR LEAVES Peter Maradudin



77785 SHARP BREAK (MEDICIM) Tom Skelton



TREE 2



78219 WRINKLES



77735 BARE BRANCHES I Robin Wagner



7755U MARTIN GUERRE BRANCHES 2



BARE BRANCHES 2 David Hersey



JUNGLE LEAF Jo Mielziner







78222 MOONLICHT LEAVES















77642 TRIANGLES ISMALLI



77284 KINETIC BURST Mike Baldassari



77416 CRACKLE



REQUIEM



78253 SQUIRMS INEGATIVE KC Hooper



THORNS



FINGERS Don Damutzer







72754 ARABESQUE



78232 CHICKEN SCRATCH



78226 WOODCUT



77564 LOOSE WEAVE





77710 FINE MESH Sholem Dolgoy







77204 BASKET WEAVE









COBBLESTONES Ed Wittstein

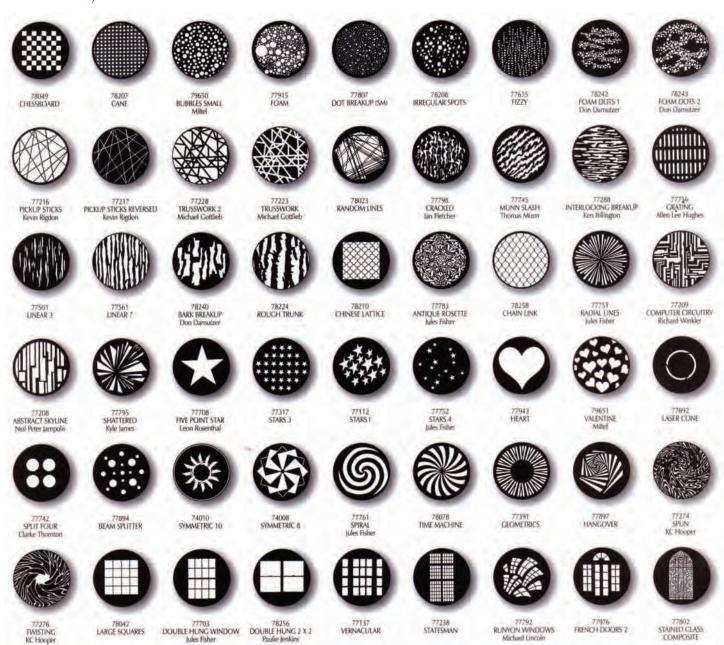


77527 BRICKS





## Gobos/Patterns =



#### Custom Gobos

Mutual distributes custom gobos from virtually any artwork for both stationary and moving light fixtures. These include fixtures manufactured by Vari Lite, Martin, High End, Robe, ETC, Times Square Lighting, Altman and Selecon, as well as many others.

Custom gobos are created on glass or stainless steel substrates. Steel gobos are less expensive and can generally be produced more quickly. Glass gobos allow fine details and very high resolution on an exceptionally dependable coating. This detail and resolution are often required even for black and white and grayscale images. Mutual distributes dichroic glass, and our supplier employs unique manufacturing processes to provide unparalleled quality control, consistency and dependability for multi-color and enhanced high definition glass gobos designs.

Email artwork to www.mutualhardware1.rr.nyc.com

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