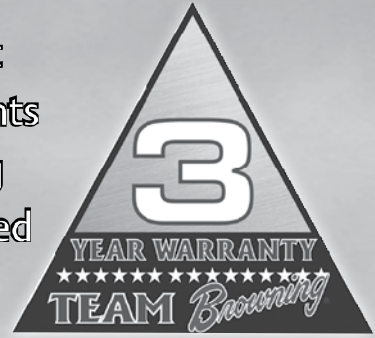
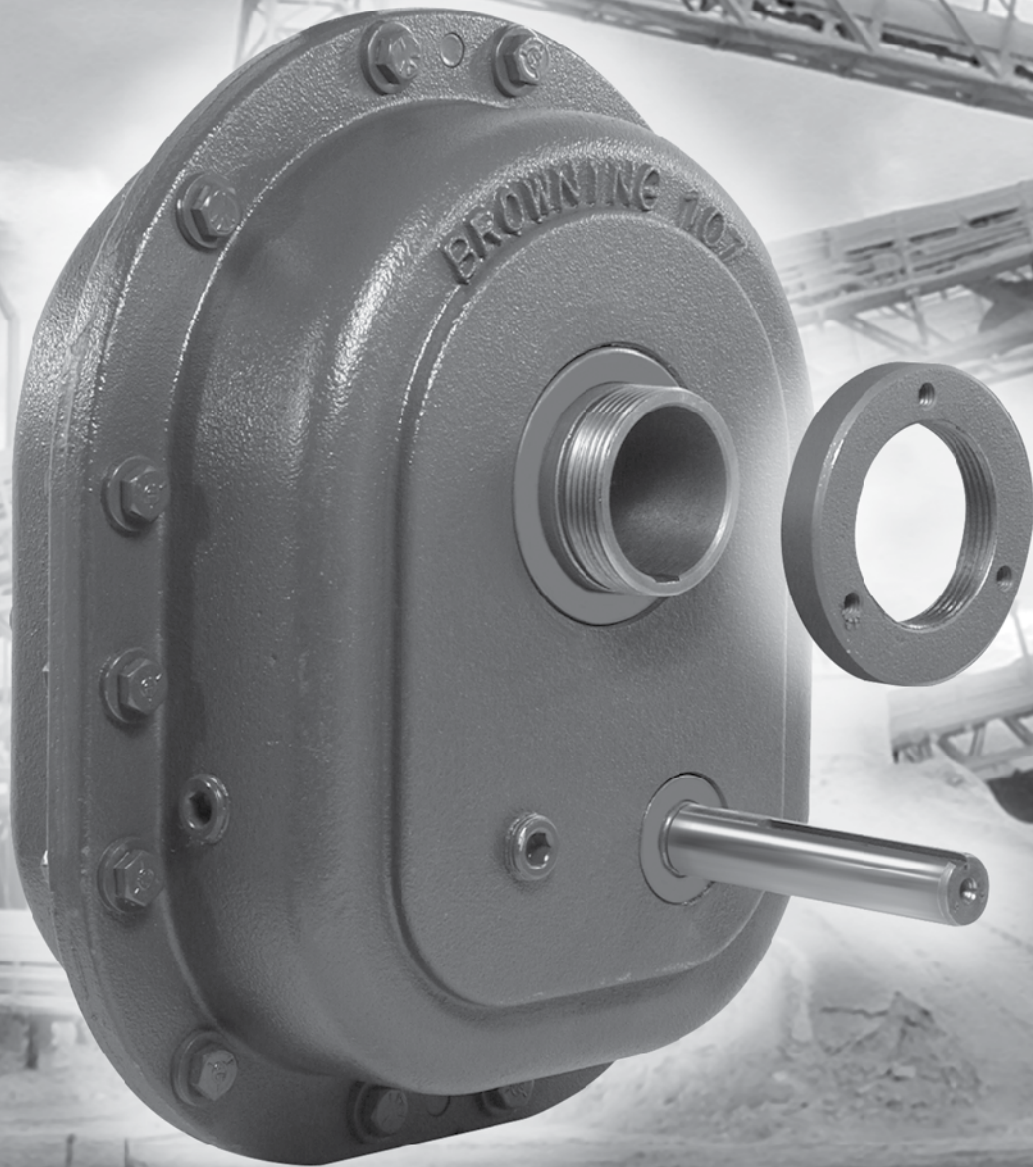


Team Up with Browning and get a 3 year warranty on Shaft Mounts and Belt Drives. Team Browning will keep you in play, not sidelined by poor performance.



The American Standard



Browning® TorqTaper Plus Shaft Mounts...

Unlike competitive bushing systems that mount only from the front or back of the reducer (or require bushings on both sides), TorqTaper Plus uses a single tapered bushing that easily installs from either front or back – depending on your space limitations and available shaft length. This patented feature simplifies replacement of any competitive unit.

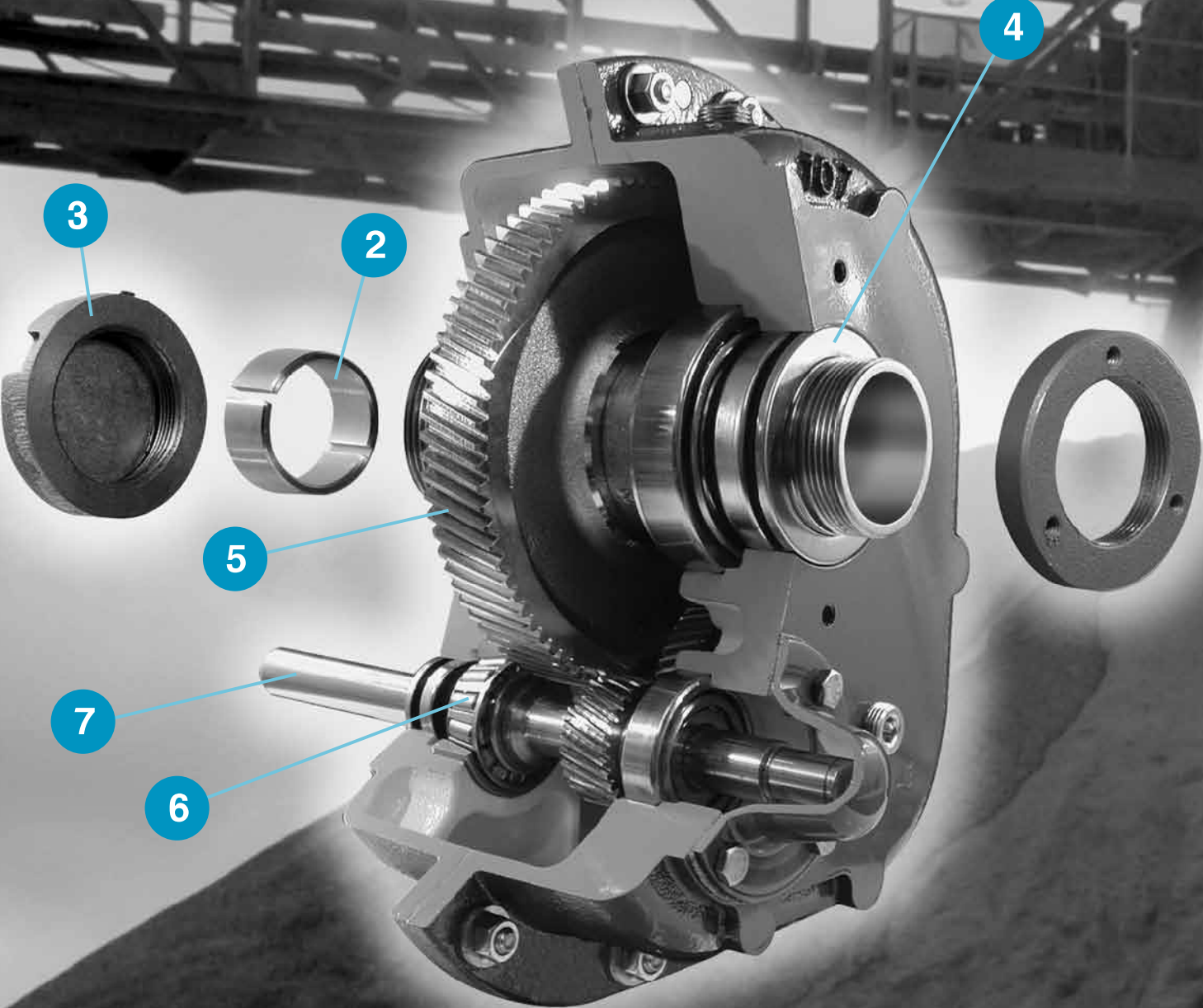


Patented Barrier Seal System

Combines a v-ring face seal, grease filled labyrinth and rotating outer flinger to provide triple protection against contamination and oil seal damage. Standard on all shafts.



The New Way... Your Way



Check Out These Additional Features of TorqTaper Plus Reducers

1. Unique, patented single bushing mounting system
 - Tapered bushing mounts from either side on the 107-315
2. Tapered stabilizer ring minimizes wobble and resists fretting corrosion
3. End cap seals quill end from contamination
4. Industrial strength seal systems
 - Patented barrier seal system includes standard double lip oil seals with v-ring face seal, grease packed labyrinth and external flinger
5. Carburized and ground gearing throughout
 - AGMA class 12 minimum
6. Tapered roller bearings on all shafts
7. Increased shaft diameters; higher overhung load ratings

Plus...

- Depending upon size, available ratios include 5, 9, 15, 25 and new 35:1 ratio
- Increased horsepower ratings, allows down-sizing on many applications
- Pre-drilled and tapped face mount holes



Ordering Information

Example No. 1 Shaft Mount Application

A shaft mount reducer and belt drive are required for a bucket conveyor, which will be uniformly loaded and operated 16 to 24 hours per day at 81 rpm.

The conveyor requires 15 hp. The reducer will be mounted on the conveyor head shaft which is 2 7/16" diameter. The customer wants to mount the 1750 rpm 254T frame motor on the reducer. The customer has also requested a backstop for the reducer.

1. Determine the Load Classification

From the AGMA Application Classification numbers, note that the load class is II for a uniformly loaded bucket conveyor operating over 10 hours per day.

2. Determine the Speed Reducer Required

From the Reducer Selection Chart for Class II Service, select a reducer for 15 hp and 81-89 rpm, which in this case is a 207SMTP15 or 207SMTP09. Choose the 207SMTP15, as the larger ratio will require the most compact and generally most economical belt drive. Refer to the Shaft Mount Accessories section for a bushing and torque arm. A 207TBP207 bushing is required for the reducer. Select the 207TAP-H torque arm.

3. Select the Motor Mount

Determine if a top mount or side mount configuration is required. Reference the motor mount tables in the Shaft Mount Accessories section for dimensions. After consulting the customer, it was determined that the top mount configuration was desired. Select the correct motor mount supports, motor mount adapter and motor base: MMS207L, MMA207, MB203-207.

4. Select the Backstop

Select the 207BSP backstop from the Shaft Mount Accessories section.

5. Select the Belt Drive

Note that the belt centers for this motor and reducer combination are 22.34 to 39.66. Note that 4.3" is the minimum sheave pitch diameter for the 207SMTP15 reducer chosen in Step 2. Reducer input speed = 81 (conveyor speed) x 14.787 (Exact Reducer Ratio) = 1197 rpm. From the Shaft Mount Accessories section pre-selected belt drive tables select a belt drive with a center distance near the midpoint of the 22.34 to 39.66. This drive (1197 driven speed) consists of a 2B5V68 sheave with a B 1 5/8 bushing, a 2B5V94 sheave with a B 1 7/16 bushing and two 5VX660 gripnotch belts.

6. Select the Belt Guard

Select the guard. Notice from the table that the CD range with the belt guard is 22.00 to 34.00" and the maximum reducer sheave that will fit into the belt guard in the top mount position is 24". Note that the part number, BGP24 24-38 with 207BGMKP, kit hardware required to mount the guard onto the reducer.

7. List Components:

- | | |
|--------------------------------|------------------------------------|
| 1, 207SMTP15 Reducer | 1, 207BSP Backstop |
| 1, 207TBP207 Bushing | 1, B 1 5/8 Bushing |
| 1, 207TAP-H Torque Arm | 1, 2B5V68 Sheave |
| 1, MMS207L Motor Mount Support | 1, B 1 7/16 Bushing |
| 1, MMA207 Motor Mount Adapter | 1, 2B5V94 Sheave |
| 1, MB203-207 Motor Base | 2, 5VX660 Belts |
| | 1, BGP24 24-38/207BGMKP Belt Guard |

Ordering Information

Example No. 2 Screw Conveyor Application

A screw conveyor drive is required to convey dry cement powder. The conveyor will be uniformly fed and operated 12 to 16 hours per day. The screw is 14" diameter and has a 2 7/16" bore with two holes. The conveyor requires 5 hp and will operate at 60 rpm. The motor is a 1750 rpm 184T frame. The customer wants the trough end, waste pack, belt drive, belt guard and motor mount.

1. Determine the Load Classification

From the AGMA Application Classification numbers, note that the load class is II for a uniformly fed screw conveyor operating over 10 hours per day.

2. Determine the Speed Reducer Size Required

From the Reducer Selection Chart for Class II Service select a reducer for 5 hp and 60 rpm, which in this case is a 115SMTP09, 115SMTP15 or 115SMTP25 for 55-77 rpm. Choose the 115SMTP25 as the larger ratio will require the most compact and generally most economical belt drive.

3. Establish Sealing Required for Screw Conveyor

The waste pack cartridge is well suited for dry, abrasive materials such as cement powder. Specify the optional waste pack cartridge for the 115 shaft mount selected. From the Shaft Mount Accessories section, select part 115-203WPP.

4. Select the Screw Conveyor Adapter and Screw Conveyor Shaft

Note that the customer requested a 2 7/16" drive shaft with a two hole arrangement for the 14" diameter screw.

From the table select the 115SCA-P and the 115DSP207 using the basic reducer size, screw diameter and shaft size.

5. Select the Trough End

From the Shaft Mount Accessories section, select the SCTE14 x 2 7/16 trough end.

6. Select the Motor Mount

First determine if the top mount or side mount configuration is required. Reference the motor mount tables in the Shaft Mount Accessories section for dimensions. After consulting with the customer it was determined that the top mount was desired. Select the MMS115H, MMA107-115 and MB107-115. Check the dimensions from the motor mount table. Note that the high motor mount must be used with this size screw. The value of 4.32" needs to be added to the minimum center distance on the high supports to ensure that the motor mount clears the screw conveyor.

7. Select the Belt Drive

Note that the belt center distance range for this reducer and motor combination is 17.50" to 34.24". Note the minimum sheave pitch diameter for the 115SMTP25 is 3.4". Reducer input speed = 60 (conveyor speed) x 24.8558 (Exact Reducer Ratio) = 1491 rpm. From the pre-selected belt drive tables, select a belt drive with a center distance greater than $17.5 + 4.32 = 21.82"$. This drive (1496 driven speed) consists of a 2AK54H sheave with H 1 1/8" bushing, 2AK64H sheave with H 1 1/8" bushing and two AX58 Gripnotch belts.

8. Select the Belt Guard

Select the guard. Notice from the table that the CD range with the belt guard is 18.30 to 30.00" and the maximum reducer sheave that will fit into the belt guard in the top mount position is 14". Note that the part number is BGP14 18-30/115BGMKP, kit hardware required to mount the guard onto the reducer.

9. List the Components:

- | | |
|---|------------------------------------|
| 1, 115SMTP25 Reducer | 1, MMA107-115 Motor Mount Adapter |
| 1, 115-203WPP Waste Pack Cartridge | 1, MB107-115 Motor Base |
| 1, 115SCA-P Screw Conveyor Adapter | 2, H 1 1/8 Bushing |
| 1, 115DSP207 Screw Conveyor Drive Shaft Kit | 1, AK54H Sheave |
| 1, SCTE14x2 7/16 Trough End | 1, 2AK64H Sheave Kit |
| 1, MMS115H Motor Mount Support | 1, AX64 Belt |
| | 1, BGP14 18-30/115BGMKP Belt Guard |

SMTP Exact Ratios

Reducer Size	Ratio Symbols				
	05	09	15	25	35
107	5.0588	8.8205	14.8276	24.7250	34.8778
115	4.7000	8.8125	14.7759	24.8558	34.9487
203	5.1053	8.8732	14.9291	24.7409	34.6429
207	5.1579	8.8308	14.7870	24.7094	35.0000
215	5.1667	8.8482	14.8187	24.8502	34.8154
307	5.1111	8.7925	14.9704	24.7692	34.8791
315	4.8824	8.8620	14.5744	24.4118	34.0513
407	5.0000	-	13.6842	25.0000	-
415	5.0833	-	13.9792	25.8403	-
507	-	-	13.6842	25.3846	-
608	-	-	13.9118	25.6555	-
800	-	-	-	24.9648	-

Note: See "Application Considerations" on back cover.

Classification Numbers

Application	AGMA Class Numbers		
	Up to 3 Hours Per Day	3-10 Hours Per Day	Over 10 Hours Per Day
AGITATORS (Mixers)			
Pure Liquids	I	I	II
Liquids and Solids	I	II	II
Liquids - Variable Density	I	II	II
BLOWERS			
Centrifugal & Vane	I	I	II
Lobe	I	II	II
Vane	I	II	II
BREWING AND DISTILLING			
Bottling Machinery	I	I	II
Brew Kettles - Continuous Duty	II	II	II
Cookers - Continuous Duty	II	II	II
Mash Tubs - Continuous Duty	II	II	II
Scale Hopper - Frequent Starts	II	II	II
CAN FILLING MACHINES	I	I	II
CAR DUMPERS	II	III	III
CAR PULLERS	I	I	II
CLARIFIERS	I	I	II
CLASSIFIERS	I	II	II
CLAY WORKING MACHINERY			
Brick Presses	II	III	III
Briquette Machines	II	III	III
Pug Mills	I	II	II
COMPACTORS	◆	◆	◆
COMPRESSORS			
Centrifugal	I	I	II
Lobe	I	II	II
Reciprocating, Multi-Cylinder	II	II	III
Reciprocating, Single-Cylinder	III	III	III
CONVEYORS - GENERAL PURPOSE			
Includes Apron, Assembly, Belt, Bucket Chain, Flight, Oven, and Screw			
Uniformly Loaded or Fed	I	I	II
Heavy Duty - Not Uniformly Fed	I	II	II
Severe Duty - Reciprocating or Shaker	II	III	III
CRANES			
Dry Dock			
Main Hoist	◆	◆	◆
Auxiliary Hoist	◆	◆	◆
Boom Hoist	◆	◆	◆
Slewing Drive	◆	◆	◆
Traction Drive	◆	◆	◆
Container			
Main Hoist	◆	◆	◆
Boom Hoist	◆	◆	◆
Trolley Drive			
Gantry Drive	◆	◆	◆
Traction Drive	◆	◆	◆
Mill Duty			
Main Hoist	◆	◆	◆
Auxiliary	◆	◆	◆
Bridge Travel	◆	◆	◆
Trolley Travel	◆	◆	◆
Industrial Duty			
Main	◆	◆	◆
Auxiliary	◆	◆	◆
Bridge Travel	◆	◆	◆
Trolley Travel	◆	◆	◆
CRUSHERS			
Stone or Ore	III	III	III
DREDGES			
Cable Reels	II	II	II
Convoys	II	II	II
Cutter Head Drives	III	III	III
Pumps	III	III	III
Screen Drives	III	III	III
Stackers	II	II	II
Winches	II	II	II
ELEVATORS			
Bucket	I	II	II
Centrifugal Discharge	I	I	II
Escalators	I	I	II
Freight	I	I	II
Gravity Discharge	I	I	II
EXTRUDERS			
General	II	II	II
Plastics			
Variable Speed Drive	III	III	III
Fixed Speed Drive	III	III	III
Rubber			
Continuous Screw Operation	III	III	III
Intermittent Screw Operation	III	III	III
FANS			
Centrifugal	I	I	II

Application	AGMA Class Numbers		
	Up to 3 Hours Per Day	3-10 Hours Per Day	Over 10 Hours Per Day
FANS (Cont'd)			
Cooling Towers	III	III	III
Forced Draft	II	II	II
Induced Draft	II	II	II
Industrial & Mine	II	II	II
FEEDERS			
Apron	I	II	II
Belt	I	II	II
Disc	I	I	II
Reciprocating	II	III	III
Screw	I	II	II
FOOD INDUSTRY			
Cereal Cooker	I	I	II
Dough Mixer	II	II	II
Meat Grinders	II	II	II
Slicers	I	II	II
GENERATORS AND EXCITERS	II	II	II
HAMMER MILLS	III	III	III
HOISTS			
Heavy Duty	◆	◆	◆
Medium Duty	◆	◆	◆
Skip Hoist	◆	◆	◆
LAUNDRY TUMBLERS	II	II	II
LAUNDRY WASHERS	II	II	III
LUMBER INDUSTRY			
Barkers			
Spindle Feed	II	II	II
Main Drive	III	III	III
Conveyors			
Burner	II	II	II
Main or Heavy Duty	II	II	II
Main Log	III	III	III
Re-saw, Merry-Go-Round	II	II	II
Slab	III	III	III
Transfer	II	II	II
Chains			
Floor	II	II	II
Groon	II	II	III
Cut-Off-Saws			
Chain	II	II	III
Drag	II	II	III
Debarking Drums	III	III	III
Feeds			
Edger	II	II	II
Gang	II	III	III
Trimmer	II	II	II
Log Deck	III	III	III
Log Hauls - Incline - Well Type	III	III	III
Log Turning Devices	III	III	III
Planer Feed	II	II	II
Planer Tilting Hoists	II	II	II
Rolls - Live-Off Brg - Roll Cases	III	III	III
Sorting Table	II	II	II
Tipple Hoist	II	II	II
Transfer			
Chain	II	II	III
Craneway	II	II	III
Tray Drives	II	II	II
Veneer Lathe Drives	II	II	II
METAL MILLS			
Draw Bench Carriage and Main Drive	II	II	II
Runout Table			
Non-Reversing			
Group Drives	II	II	II
Individual Drives	III	III	III
Reversing	III	III	III
Slab Pushers	II	II	II
Shears	III	III	III
Wire Drawing	II	II	II
Wire Winding Machine	II	II	II
METAL STRIP PROCESSING MACHINERY			
Bridges	II	II	II
Collers & Uncoilers	I	I	II
Edge Trimmers	I	II	II
Flatteners	II	II	II
Loopers (Accumulators)	I	I	I
Pinch Rolls	II	II	II
Scrap Choppers	II	II	II
Shears	III	III	III
Slitters	I	II	II
MILLS, ROTARY TYPE			
Ball & Rod			
Spur Ring Gear	III	III	III
Helical Ring Gear	II	II	II
Direct Connected	III	III	III

Classification Numbers

Application	AGMA Class Numbers		
	Up to 3 Hours Per Day	3-10 Hours Per Day	Over 10 Hours Per Day
MILLS, ROTARY TYPE (Cont'd)			
Cement Kilns	II	II	II
Dryers & Coolers	II	II	II
PAPER MILLS ¹			
Agitator (Mixer)	II	II	II
Agitator For Pure Liquors	II	II	II
Barking Drums	III	III	III
Barkers - Mechanical	III	III	III
Beater	II	II	II
Breaker Stack	II	II	II
Calendar ²	II	II	II
Chippor	III	III	III
Chip Feeder	II	II	II
Coating Rolls	II	II	II
Conveyors			
Chip, Bark, Chemical	II	II	II
Log (Including Slab)	III	III	III
Couch Rolls	II	II	II
Cutter	III	III	III
Cylinder Molds	II	II	II
Dryers ²			
Paper Machine	II	II	II
Conveyor Type	II	II	II
Embosser	II	II	II
Extruder	II	II	II
Fourdrinier Rolls (Includes Lump Breaker, Dandy Roll, Wire Turning, and Return Rolls)	II	II	II
Jordan	II	II	II
Kiln Drive	II	II	II
Mt. Hope Roll	II	II	II
Paper Rolls	II	II	II
Platter	II	II	II
Presses - Felt Suction	II	II	II
Pulper	III	III	III
Pumps - Vacuum	II	II	II
Reel (Surface - Type)	II	II	II
Screens			
Chip	II	II	II
Rotary	II	II	II
Vibrating	III	III	III
Size Press	II	II	II
Supercalendar	II	II	II
Thickener (AC Motor)	II	II	II
Thickener (DC Motor)	II	II	II
Washer (AC Motor)	II	II	II
Washer (DC Motor)	II	II	II
Wind and Unwind Stand	I	I	I
II			
PLASTICS INDUSTRY			
PRIMARY PROCESSING			
Intensive Internal Mixers			
Batch Mixers	III	III	III
Continuous Mixers	II	II	II
Batch Drop Mill - 2 Smooth Rolls	II	II	II
Continuous Feed, Holding & Blend Mill	II	II	II
Calendars	II	II	II
PLASTICS INDUSTRY			
SECONDARY PROCESSING			
Blow Molders	II	II	II
Coating	II	II	II
Film	II	II	II
Pipe	II	II	II
Pro-Plasticizers	II	II	II
Rods	II	II	II
Sheet	II	II	II
Tubing	II	II	II
PULLERS - BARGE HAUL	II	II	II
PUMPS			
Centrifugal	I	I	II
Proportioning	II	II	II
Reciprocating			
Single Acting, 3 or more Cylinders	II	II	II
Double Acting, 2 or more Cylinders	II	II	II
Rotary			
Gear Type	I	I	II
Lobe	I	I	II
Vane	I	I	II
RUBBER INDUSTRY			
Intensive Internal Mixers			
Batch Mixers	III	III	III
Continuous Mixers	II	II	II
Mixing Mill			
2 Smooth Rolls	II	II	II
1 or 2 Corrugated Rolls	III	III	III
RUBBER INDUSTRY (Cont'd)			

Application	AGMA Class Numbers		
	Up to 3 Hours Per Day	3-10 Hours Per Day	Over 10 Hours Per Day
Batch Drop Mill - 2 Smooth Rolls	II	II	II
Cracker Warmor - 2 Roll, 1 Corrugated Roll	III	III	III
Cracker - 2 Corrugated Rolls	III	III	III
Holding, Feed & Blend Mill - 2 Rolls	II	II	II
Refiner - 2 Rolls	II	II	II
Calendars	II	II	II
SAND MULLER	II	II	II
SEWAGE DISPOSAL EQUIPMENT			
Bar Screens	II	II	II
Chemical Feeder	II	II	II
Dewatering Screens	II	II	II
Scum Breakers	II	II	II
Slow or Rapid Mixers	II	II	II
Sludge Collectors	II	II	II
Thickener	II	II	II
Vacuum Filters	II	II	II
SCREENS			
Air Washing	I	I	II
Rotary - Stone or Gravel	II	II	II
Traveling Water Intake	I	I	I
SCREW CONVEYORS			
Uniformly Loaded or Fed	I	I	II
Heavy Duty	I	II	II
SUGAR INDUSTRY			
Beet Slicer	III	III	III
Cane Knives	II	II	II
Crushers	II	II	II
Mills (Low Speed End)	III	III	III
TEXTILE INDUSTRY			
Batchers	II	II	II
Calendars	II	II	II
Cards	II	II	II
Dry Cans	II	II	II
Dyeing Machinery	II	II	II
Looms	II	II	II
Mangles	II	II	II
Nappers	II	II	II
Pads	II	II	II
Slashers	II	II	II
Soapers	II	II	II
Spinners	II	II	II
Tenter Frames	II	II	II
Washers	II	II	II
Winders	II	II	II

Notes:

- 1) The Class numbers listed in the table for paper mill applications are consistent with those shown in TAPPI (*Technical Association of Pulp and Paper Industry*) Technical information sheet 0106-18 1967, *Service Factors for Gears on Major Equipment in the Pulp and Paper Industry*.
- 2) Anti-friction bearings only.
 - ◆ Contact Application Engineering (1 800 626 2093) for the selection of AGMA Class Numbers in these applications.

Class I Service (1.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
1/4 HP MOTOR		
5 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
51 - 80	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
81 - 89	107SMTP15	2.8
	107SMTP09	4.7
90 - 130	107SMTP15	2.8
	107SMTP09	4.7
	107SMTP05	4.6
131 - 200	107SMTP09	4.7
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
1/3 HP MOTOR		
5 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
51 - 80	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
81 - 89	107SMTP15	2.8
	107SMTP09	4.7
90 - 130	107SMTP15	2.8
	107SMTP09	4.7
	107SMTP05	4.6
131 - 200	107SMTP09	4.7
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
1/2 HP MOTOR		
5 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
51 - 80	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
81 - 89	107SMTP15	2.8
	107SMTP09	4.7
90 - 130	107SMTP15	2.8
	107SMTP09	4.7
	107SMTP05	4.6
131 - 200	107SMTP09	4.7
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
3/4 HP MOTOR		
5	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
6 - 7	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
8 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.6
	107SMTP09	4.4

Output RPM	Reducer Size	Minimum Sheave P.D.
3/4 HP MOTOR (Cont'd)		
51 - 80	107SMTP25	2.3
	107SMTP15	2.6
	107SMTP09	4.4
81 - 89	107SMTP15	2.6
	107SMTP09	4.4
90 - 130	107SMTP15	2.6
	107SMTP09	4.4
	107SMTP05	4.6
131 - 200	107SMTP09	4.4
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
1 HP MOTOR		
5 - 6	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
7 - 9	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
10 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
51 - 80	107SMTP25	2.3
	107SMTP15	2.8
	107SMTP09	4.7
81 - 89	107SMTP15	2.8
	107SMTP09	4.7
90 - 130	107SMTP15	2.8
	107SMTP09	4.7
	107SMTP05	4.6
131 - 200	107SMTP09	4.7
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
1 1/2 HP MOTOR		
5	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.4
6 - 10	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	4.3
11 - 15	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
16 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.6
	107SMTP09	4.4
51 - 80	107SMTP25	2.3
	107SMTP15	2.6
	107SMTP09	4.4
81 - 89	107SMTP15	2.6
	107SMTP09	4.4
90 - 130	107SMTP15	2.6
	107SMTP09	4.4
	107SMTP05	4.6

Output RPM	Reducer Size	Minimum Sheave P.D.
1 1/2 HP MOTOR (Cont'd)		
131 - 200	107SMTP09	4.4
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
2 HP MOTOR		
5 - 8	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.4
9 - 14	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
15 - 20	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
21 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.7
	107SMTP09	4.5
51 - 80	107SMTP25	2.3
	107SMTP15	2.7
	107SMTP09	4.5
81 - 89	107SMTP15	2.7
	107SMTP09	4.5
90 - 130	107SMTP15	2.7
	107SMTP09	4.5
	107SMTP05	4.6
131 - 200	107SMTP09	4.5
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
3 HP MOTOR		
5 - 7	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
8 - 12	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
13 - 22	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	4.0
23 - 31	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
32 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.6
	107SMTP09	4.4
51 - 80	107SMTP25	2.3
	107SMTP15	2.6
	107SMTP09	4.4
81 - 89	107SMTP15	2.6
	107SMTP09	4.4
90 - 130	107SMTP15	2.6
	107SMTP09	4.4
	107SMTP05	4.6



SMTP/SMFP Selection Chart



Class I Service (1.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
3 HP MOTOR (Cont'd)		
131 - 200	107SMTP09	4.4
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
5 HP MOTOR		
5-7	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
8 - 13	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
14 - 21	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
22 - 38	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
39 - 50	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
51 - 54	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
55 - 80	107SMTP25	2.8
	107SMTP15	2.8
	107SMTP09	4.3
81 - 89	107SMTP15	2.8
	107SMTP09	4.3
90 - 130	107SMTP15	2.8
	107SMTP09	4.3
	107SMTP05	4.6
131 - 200	107SMTP09	4.3
	107SMTP05	4.6
201 - 400	107SMTP05	4.6
7 1/2 HP MOTOR		
5	407SMTP25B	6.4
	407SMTP15B	6.4
6	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	7.1
7 - 12	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.5
13 - 20	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
21 - 33	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
34 - 50	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8

Output RPM	Reducer Size	Minimum Sheave P.D.
7 1/2 HP MOTOR (Cont'd)		
51 - 58	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
59 - 80	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
81 - 83	115SMTP15	3.4
	115SMTP09	3.4
84 - 89	107SMTP15	2.8
	107SMTP09	4.2
90 - 130	107SMTP15	2.8
	107SMTP09	4.2
	115SMTP05	9.8
131 - 160	107SMTP09	4.2
	115SMTP05	9.8
161 - 200	107SMTP09	4.2
	107SMTP05	3.8
201 - 400	107SMTP05	3.8
10 HP MOTOR		
5 - 7	407SMTP25B	6.4
	407SMTP15B	6.4
8 - 9	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	7.1
10 - 16	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.1
17 - 27	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
28 - 46	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
47 - 50	207SMTP35	4.3
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
51 - 80	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
81 - 89	115SMTP15	3.6
	115SMTP09	3.6
90 - 114	115SMTP15	3.6
	115SMTP09	3.6
	115SMTP05	9.8
115 - 130	107SMTP15	3.6
	107SMTP09	4.1
	115SMTP05	9.8
131 - 200	107SMTP09	4.1
	115SMTP05	9.8
201 - 244	115SMTP05	9.8
245 - 400	107SMTP05	3.6
15 HP MOTOR		
5 - 7	415SMTP25B	7.1
	415SMTP15B	7.1

Output RPM	Reducer Size	Minimum Sheave P.D.
15 HP MOTOR (Cont'd)		
8 - 11	407SMTP25B	6.4
	407SMTP15B	6.4
12 - 14	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	7.1
15 - 25	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.1
26 - 42	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
43 - 50	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
51 - 80	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
81 - 89	203SMTP15	3.8
	203SMTP09	3.8
90 - 121	203SMTP15	3.8
	203SMTP09	3.8
	203SMTP05	6.4
122 - 130	203SMTP15	3.8
	115SMTP09	3.4
	203SMTP05	6.4
131 - 161	115SMTP09	3.4
	203SMTP05	6.4
162 - 200	115SMTP09	3.4
	115SMTP05	9.6
201 - 400	115SMTP05	9.6
20 HP MOTOR		
5 - 6	507SMTP25B	7.9
	507SMTP15B	8.3
7 - 9	415SMTP25B	7.1
	415SMTP15B	7.1
10 - 14	407SMTP25B	6.4
	407SMTP15B	6.4
15 - 19	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	7.6
20 - 34	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.1
35 - 50	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
51 - 61	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
61 - 80	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3

Class I Service (1.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
20 HP MOTOR (Cont'd)		
81 - 89	207SMT/15	4.3
	207SMT/09	4.3
90 - 120	207SMT/15	4.3
	207SMT/09	4.3
	207SMT/05	9.8
121 - 130	203SMT/15	3.8
	203SMT/09	3.8
	203SMT/05	6.8
131 - 200	203SMT/09	3.8
	203SMT/05	6.8
201 - 244	203SMT/05	6.8
245 - 400	115SMT/05	9.4
25 HP MOTOR		
5	608SMT/25B	8.0
	608SMT/15B	11.4
6 - 8	507SMT/25B	7.9
	507SMT/15B	8.7
9 - 12	415SMT/25B	7.1
	415SMT/15B	7.1
13 - 18	407SMT/25B	6.4
	407SMT/15B	6.4
19 - 24	315SMT/35	6.4
	315SMT/25	6.4
	315SMT/15	6.4
	315SMT/09	7.5
25 - 44	307SMT/35	6.0
	307SMT/25	6.0
	307SMT/15	6.0
	307SMT/09	6.1
45 - 50	215SMT/35	5.6
	215SMT/25	5.6
	215SMT/15	5.6
	215SMT/09	5.6
51 - 80	215SMT/25	5.6
	215SMT/15	5.6
	215SMT/09	5.6
81 - 89	207SMT/15	4.3
	207SMT/09	4.7
90 - 125	207SMT/15	4.3
	207SMT/09	4.7
	215SMT/05	6.2
126 - 130	207SMT/15	4.3
	207SMT/09	4.7
	207SMT/05	9.6
131 - 159	207SMT/09	4.7
	207SMT/05	9.6
160 - 200	203SMT/09	3.8
	203SMT/05	6.8
201 - 337	203SMT/05	6.8
338 - 400	115SMT/05	9.3
30 HP MOTOR		
5 - 6	608SMT/25B	8.1
	608SMT/15B	11.4
7 - 10	507SMT/25B	7.9
	507SMT/15B	8.9
11 - 15	415SMT/25B	7.1
	415SMT/15B	7.1
16 - 23	407SMT/25B	6.4
	407SMT/15B	6.4

Output RPM	Reducer Size	Minimum Sheave P.D.
30 HP MOTOR (Cont'd)		
24 - 30	315SMT/35	6.4
	315SMT/25	6.4
	315SMT/15	6.4
	315SMT/09	7.1
31 - 50	307SMT/35	6.0
	307SMT/25	6.0
	307SMT/15	6.0
	307SMT/09	6.0
51 - 55	307SMT/25	6.0
	307SMT/15	6.0
	307SMT/09	6.0
56 - 80	215SMT/25	5.6
	215SMT/15	5.6
	215SMT/09	5.6
81 - 89	215SMT/15	5.6
	215SMT/09	5.6
90 - 103	215SMT/15	5.6
	215SMT/09	5.6
	215SMT/05	6.2
104 - 130	207SMT/15	4.3
	207SMT/09	5.2
	215SMT/05	6.2
131 - 162	207SMT/09	5.2
	215SMT/05	6.2
163 - 200	207SMT/09	5.2
	207SMT/05	9.5
201 - 215	207SMT/05	9.5
215 - 400	203SMT/05	6.7
40 HP MOTOR		
5	800SMT/25	12.0
6 - 9	608SMT/25B	8.1
	608SMT/15B	12.7
10 - 14	507SMT/25B	7.9
	507SMT/15B	8.3
15 - 20	415SMT/25B	7.1
	415SMT/15B	7.1
21 - 31	407SMT/25B	6.4
	407SMT/15B	6.4
32 - 43	315SMT/35	6.4
	315SMT/25	6.4
	315SMT/15	6.4
	315SMT/09	7.4
44 - 50	307SMT/35	6.0
	307SMT/25	6.0
	307SMT/15	6.0
	307SMT/09	6.9
51 - 76	307SMT/25	6.0
	307SMT/15	6.0
	307SMT/09	6.9
77 - 80	307SMT/25	6.0
	307SMT/15	6.0
	215SMT/09	5.7
81 - 89	307SMT/15	6.0
	215SMT/09	5.6
90 - 130	215SMT/15	5.6
	215SMT/09	5.6
	307SMT/05	7.8
131 - 156	215SMT/09	5.8
	215SMT/05	6.3

Output RPM	Reducer Size	Minimum Sheave P.D.
40 HP MOTOR (Cont'd)		
157 - 200	207SMT/09	5.8
	215SMT/05	6.3
201 - 246	215SMT/05	6.3
247 - 327	207SMT/05	9.3
328 - 400	203SMT/05	6.5
50 HP MOTOR		
5 - 7	800SMT/25	12.0
8 - 11	608SMT/25B	8.1
	608SMT/15B	11.9
12 - 18	507SMT/25B	7.9
	507SMT/15B	8.7
19 - 25	415SMT/25B	7.1
	415SMT/15B	7.1
26 - 39	407SMT/25B	6.4
	407SMT/15B	6.4
40 - 50	315SMT/35	6.4
	315SMT/25	6.4
	315SMT/15	6.4
	315SMT/09	8.6
51 - 58	315SMT/25	6.4
	315SMT/15	6.4
	315SMT/09	8.6
59 - 80	307SMT/25	6.0
	307SMT/15	6.0
	307SMT/09	7.8
81 - 89	307SMT/15	6.0
	307SMT/09	7.8
90 - 99	307SMT/15	6.0
	307SMT/09	7.8
	315SMT/05	20.3
100 - 104	307SMT/15	6.0
	307SMT/09	7.8
	307SMT/05	9.0
105 - 130	307SMT/15	6.0
	215SMT/09	5.6
	307SMT/05	9.0
131 - 182	215SMT/09	5.6
	307SMT/05	9.0
183 - 200	215SMT/09	5.6
	215SMT/05	6.2
201 - 340	215SMT/05	6.2
341 - 400	207SMT/05	9.1
60 HP MOTOR		
5	◆	
6 - 9	800SMT/25	12.0
10 - 14	608SMT/25B	8.1
	608SMT/15B	11.4
15 - 22	507SMT/25B	7.9
	507SMT/15B	8.3
23 - 31	415SMT/25B	7.1
	415SMT/15B	7.1
32 - 48	407SMT/25B	6.4
	407SMT/15B	6.4
49 - 50	315SMT/35	6.4
	315SMT/25	6.4
	315SMT/15	6.4
	315SMT/09	9.9
51 - 74	315SMT/25	6.4
	315SMT/15	6.4
	315SMT/09	9.9

Notes:

- Requires fan kit.
- ▲ Requires pump and cooler kit.
- ◆ Contact Application Engineering (1 800 626 2093) for the selection of an enclosed gear drive.

Class I Service (1.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
60 HP MOTOR (Cont'd)		
75 - 80	307SMTP25●	6.0
	307SMTP15●	6.0
	307SMTP09●	8.9
81 - 89	307SMTP15●	6.0
	307SMTP09●	8.9
90 - 130	307SMTP15●	6.0
	307SMTP09●	8.9
	315SMTP05●	20.3
131 - 200	307SMTP09●	8.9
	307SMTP05●	8.8
201 - 240	307SMTP05●	8.8
241 - 400	215SMTP05●	6.1
75 HP MOTOR		
5 - 7	◆	
8 - 11	800SMTP25	12.0
12 - 18	608SMTP25B	8.1
	608SMTP15B	11.9
19 - 28	507SMTP25B	7.9
	507SMTP15B	8.2
29 - 40	415SMTP25B●	7.1
	415SMTP15B	7.1
41 - 61	407SMTP25B●	6.4
	407SMTP15B●	6.6
62 - 80	315SMTP25●	6.4
	315SMTP15●	6.4
	315SMTP09●	12.0
81 - 89	315SMTP15●	6.4
	315SMTP09●	12.0
90 - 103	315SMTP15●	6.4
	315SMTP09●	12.0
	407SMTP05B	28.0
103 - 123	307SMTP15●	6.0
	307SMTP09●	9.8
	407SMTP05B	28.0
124 - 130	407SMTP15●	6.0
	307SMTP09●	9.8
	315SMTP05	19.9
131 - 181	307SMTP09●	9.8
	315SMTP05	19.9
182 - 200	307SMTP09●	9.8
	307SMTP05	8.7
201 - 337	307SMTP05	8.7
338 - 400	215SMTP05	6.0
100 HP MOTOR		
5 - 9	◆	
10 - 15	800SMTP25	12.0
16 - 24	608SMTP25B	8.1
	608SMTP15B	12.7
25 - 38	507SMTP25B●	7.9
	507SMTP15B	9.9
39 - 54	415SMTP25B●	7.1
	415SMTP15B●	7.1
55 - 80	407SMTP25B●	6.7
	407SMTP15B●	6.7
81 - 87	407SMTP15B●	6.7
88 - 89	407SMTP15B●	6.7
	315SMTP09●	14.3

Output RPM	Reducer Size	Minimum Sheave P.D.
100 HP MOTOR (Cont'd)		
90 - 95	407SMTP15B●	6.7
	315SMTP09●	14.3
	415SMTP05B	40.5
96 - 106	315SMTP15●	6.4
	315SMTP09●	14.3
	415SMTP05B	40.5
107 - 117	315SMTP15●	6.4
	315SMTP09●	14.3
	407SMTP05B	32.7
118 - 130	315SMTP15●	6.4
	315SMTP09●	14.3
	407SMTP05B	30.4
131 - 155	315SMTP09●	14.3
	407SMTP05B	30.4
156 - 186	307SMTP09▲	9.6
	407SMTP15B	30.4
187 - 200	307SMTP09▲	9.6
	315SMTP05	19.6
201 - 280	315SMTP05	19.6
281 - 400	307SMTP05●	8.4
125 HP MOTOR		
5 - 12	◆	
13 - 20	800SMTP25	12.0
21 - 31	608SMTP25B●	8.3
	608SMTP15B	17.3
32 - 51	507SMTP25B●	7.9
	507SMTP15B	11.7
52 - 74	415SMTP25B●	7.1
	415SMTP15B●	7.1
75 - 80	407SMTP25B●	6.7
	407SMTP15B●	6.7
81 - 121	407SMTP15B●	6.7
	415SMTP05B	40.5
122 - 130	407SMTP15B●	6.7
	315SMTP09▲	14.0
	415SMTP05B	40.5
131 - 146	315SMTP09▲	14.0
	415SMTP05B	40.5
147 - 200	315SMTP09▲	14.0
	407SMTP05B	29.9
201 - 256	407SMTP05B	29.9
257 - 394	315SMTP05●	19.2
395 - 400	307SMTP05●	8.2
150 HP MOTOR		
5 - 15	◆	
16 - 24	800SMTP25	12.0
25 - 40	608SMTP25B●	10.5
	608SMTP15B	23.4
41 - 67	507SMTP25B●	7.9
	507SMTP15B	11.9
68 - 80	415SMTP25B▲	7.1
	415SMTP15B●	7.1
81 - 111	415SMTP15B●	7.1
112 - 130	415SMTP15B●	7.1
	415SMTP05B	41.3
131 - 159	415SMTP05B	41.3
160 - 190	315SMTP09▲	13.6
	415SMTP05B	41.3
191 - 200	315SMTP09▲	13.6
	407SMTP05B●	29.4
201 - 334	407SMTP05B●	29.4
335 - 400	315SMTP05●	19.0

Output RPM	Reducer Size	Minimum Sheave P.D.
200 HP MOTOR		
5 - 20	◆	
21 - 35	800SMTP25●	12.0
36 - 61	608SMTP25B●	11.5
	608SMTP15B●	20.9
62 - 80	507SMTP25B▲	11.5
	507SMTP15B●	11.9
81 - 101	507SMTP15B●	11.9
102 - 130	415SMTP15B▲	7.1
131 - 168	◆	
169 - 317	415SMTP05B●	40.4
318 - 400	407SMTP05B●	28.5
250 HP MOTOR		
5 - 26	◆	
27 - 50	800SMTP25●	12.0
51 - 80	608SMTP25B▲	10.5
	608SMTP15B▲	19.1
81 - 84	608SMTP15B▲	19.1
85 - 130	507SMTP15B▲	11.9
131 - 232	◆	
233 - 400	415SMTP05B●	39.9
300 HP MOTOR		
5 - 32	◆	
33 - 66	800SMTP25▲	12.0
67 - 80	608SMTP25B▲	10.4
	608SMTP15B▲	17.9
81 - 110	608SMTP15B▲	17.9
111 - 130	507SMTP15B▲	11.8
131 - 302	◆	
303 - 400	415SMTP05B▲	39.4
350 HP MOTOR		
5 - 38	◆	
39 - 80	800SMTP25▲	12.0
81 - 84	◆	
85 - 130	608SMTP15B▲	16.8
131 - 378	◆	
379 - 400	415SMTP05B▲	39.0
400 HP MOTOR		
5 - 44	◆	
45 - 80	800SMTP25▲	12.0
81 - 104	◆	
105 - 130	608SMTP15B▲	15.8
131 - 400	◆	
450 HP MOTOR		
5 - 50	◆	
51 - 80	800SMTP25▲	12.0
81 - 125	◆	
126 - 130	608SMTP15B▲	15.1
131 - 400	◆	
500 HP MOTOR		
5 - 56	◆	
57 - 80	800SMTP25▲	12.0
81 - 400	◆	
600 HP MOTOR		
5 - 68	◆	
69 - 80	800SMTP25▲	12.0
81 - 400	◆	
700 HP MOTOR		
5 - 400	◆	

Notes:

- Requires fan kit.
- ▲ Requires pump and cooler kit.
- ◆ Contact Application Engineering (1 800 626 2093) for the selection of an enclosed gear drive.



SMT/SMFP Selection Chart



Class II Service (1.4 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
1/4 HP MOTOR		
5 - 50	107SMTP35	2.3
	107SMTP25	2.2
	107SMTP15	2.2
	107SMTP09	3.2
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.2
81 - 89	107SMTP15	2.3
	107SMTP09	3.2
90 - 130	107SMTP15	2.3
	107SMTP09	3.2
	107SMTP05	2.8
131 - 200	107SMTP09	3.2
	107SMTP05	2.8
201 - 400	107SMTP05	2.7
1/3 HP MOTOR		
5 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.2
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.2
81 - 89	107SMTP15	2.3
	107SMTP09	3.2
90 - 130	107SMTP15	2.3
	107SMTP09	3.2
	107SMTP05	2.8
131 - 200	107SMTP09	3.2
	107SMTP05	2.8
201 - 400	107SMTP05	2.8
1/2 HP MOTOR		
5 - 6	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
7 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.4
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.4
	107SMTP05	2.8
81 - 89	107SMTP15	2.3
	107SMTP09	3.4
90 - 130	107SMTP15	2.3
	107SMTP09	3.4
	107SMTP05	2.8
131 - 200	107SMTP09	3.4
	107SMTP05	2.8
201 - 400	107SMTP05	2.8
3/4 HP MOTOR		
5 - 7	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8

Output RPM	Reducer Size	Minimum Sheave P.D.
3/4 HP MOTOR (Cont'd)		
8 - 10	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
11 - 50	107SMTP35	2.2
	107SMTP25	2.2
	107SMTP15	2.3
	107SMTP09	3.2
51 - 80	107SMTP25	2.2
	107SMTP15	2.3
	107SMTP09	3.2
81 - 89	107SMTP15	2.3
	107SMTP09	3.2
90 - 130	107SMTP15	2.3
	107SMTP09	3.2
	107SMTP05	2.8
131 - 200	107SMTP09	3.2
	107SMTP05	2.8
201 - 400	107SMTP05	2.8
1 HP MOTOR		
5	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
6 - 10	203SMTP35	3.7
	203SMTP25	3.7
	203SMTP15	3.7
	203SMTP09	3.7
11 - 13	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
14 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.4
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.4
	107SMTP05	2.8
81 - 89	107SMTP15	2.3
	107SMTP09	3.4
90 - 130	107SMTP15	2.3
	107SMTP09	3.4
	107SMTP05	2.8
131 - 200	107SMTP09	3.4
	107SMTP05	2.8
201 - 400	107SMTP05	2.8
1 1/2 HP MOTOR		
5	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
6 - 8	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3

Output RPM	Reducer Size	Minimum Sheave P.D.
1 1/2 HP MOTOR (Cont'd)		
9 - 15	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
16 - 21	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
22 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.2
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.2
81 - 89	107SMTP15	2.3
	107SMTP09	3.2
90 - 130	107SMTP15	2.3
	107SMTP09	3.2
	107SMTP05	2.8
131 - 200	107SMTP09	3.2
	107SMTP05	2.8
201 - 400	107SMTP05	2.8
2 HP MOTOR		
5 - 7	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
8 - 11	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
12-20	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
21-28	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
29-50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.3
51-80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.3
	107SMTP05	2.8
81-89	107SMTP15	2.3
	107SMTP09	3.3
90-130	107SMTP15	2.3
	107SMTP09	3.3
	107SMTP05	2.8
131-200	107SMTP09	3.3
	107SMTP05	2.8
201-400	107SMTP05	2.8

Class II Service (1.4 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
3 HP MOTOR		
5-6	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
7-11	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
12-18	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
19-31	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
32-44	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
45-50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.2
51-80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	3.2
81-89	107SMTP15	2.3
	107SMTP09	3.2
90-130	107SMTP15	2.3
	107SMTP09	3.2
	107SMTP05	2.8
131-200	107SMTP09	3.2
	107SMTP05	2.8
201-400	107SMTP05	2.8
5 HP MOTOR		
5 - 6	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
7 - 11	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
12 - 19	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
20 - 30	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
31 - 50	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
51 - 54	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8

Output RPM	Reducer Size	Minimum Sheave P.D.
5 HP MOTOR (Cont'd)		
55 - 77	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
	107SMTP25	2.3
78 - 80	107SMTP15	2.3
	107SMTP09	3.0
	107SMTP09	3.0
81 - 89	107SMTP15	2.3
	107SMTP09	3.0
90 - 130	107SMTP15	2.3
	107SMTP09	3.0
	115SMTP05	4.9
131 - 144	107SMTP09	3.0
	115SMTP05	4.9
145 - 200	107SMTP09	3.0
	107SMTP05	2.8
201 - 400	107SMTP05	2.8
7 1/2 HP MOTOR		
5 - 7	407SMTP25B	6.4
	407SMTP15B	6.4
8 - 9	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
10 - 17	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
18 - 29	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
30 - 46	215SMTP09	5.6
	207SMTP35	4.3
	207SMTP25	4.3
47 - 50	207SMTP15	4.3
	207SMTP09	4.3
	203SMTP35	3.8
	203SMTP25	3.8
51 - 80	203SMTP15	3.8
	203SMTP09	3.8
	203SMTP09	3.8
	203SMTP09	3.8
81 - 82	203SMTP15	3.8
	203SMTP09	3.8
83 - 89	115SMTP15	3.4
	115SMTP09	3.4
90 - 96	115SMTP15	3.4
	115SMTP09	3.4
	203SMTP05	4.2
97 - 119	115SMTP15	3.4
	115SMTP09	3.4
	115SMTP05	7.0
120 - 130	107SMTP15	2.3
	107SMTP09	3.0
	115SMTP05	7.0
131 - 200	107SMTP09	3.0
	115SMTP05	7.0

Output RPM	Reducer Size	Minimum Sheave P.D.
7 1/2 HP MOTOR (Cont'd)		
201 - 261	115SMTP05	7.0
262 - 400	107SMTP05	2.4
10 HP MOTOR		
5 - 6	415SMTP25B	7.1
	415SMTP15B	7.1
7 - 10	407SMTP25B	6.4
	407SMTP15B	6.4
11 - 13	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
14 - 23	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
24 - 39	307SMTP09	6.0
	215SMTP35	5.6
40 - 50	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
51 - 71	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
72 - 80	207SMTP09	4.3
	203SMTP25	3.8
	203SMTP15	3.8
81 - 89	203SMTP09	3.8
	203SMTP09	3.8
90 - 111	203SMTP15	3.8
	203SMTP09	3.8
	203SMTP05	4.2
112 - 130	115SMTP15	3.4
	115SMTP09	3.4
	203SMTP05	4.2
131 - 145	115SMTP09	3.4
	203SMTP05	4.2
146 - 175	115SMTP09	3.4
	115SMTP05	6.9
176 - 200	107SMTP09	2.7
	115SMTP05	6.9
201 - 400	115SMTP05	6.9
15 HP MOTOR		
5 - 7	507SMTP25B	7.9
	507SMTP15B	7.9
8 - 10	415SMTP25B	7.1
	415SMTP15B	7.1
11 - 15	407SMTP25B	6.4
	407SMTP15B	6.4
16 - 20	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
21 - 36	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0

Class II Service (1.4 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
15 HP MOTOR (Cont'd)		
37 - 50	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
51 - 66	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
67 - 80	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
81 - 89	207SMTP15	4.3
	207SMTP09	4.3
90 - 97	207SMTP15	4.3
	207SMTP09	4.3
	215SMTP05	5.6
98 - 122	207SMTP15	4.3
	207SMTP09	4.3
	207SMTP05	6.9
123 - 130	203SMTP15	3.8
	203SMTP09	3.8
	203SMTP05	4.9
131 - 181	203SMTP09	3.8
	203SMTP05	4.9
182 - 200	115SMTP09	3.4
	203SMTP05	4.9
201 - 261	203SMTP05	4.9
262 - 400	115SMTP05	6.7
20 HP MOTOR		
5 - 6	608SMTP25B	8.1
	608SMTP15B	8.1
7 - 9	507SMTP25B	7.9
	507SMTP15B	7.9
10 - 13	415SMTP25B	7.1
	415SMTP15B	7.1
14 - 21	407SMTP25B	6.4
	407SMTP15B	6.4
22 - 27	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
28 - 50	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
51 - 80	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
81 - 89	215SMTP15	5.6
	215SMTP09	5.6
90 - 96	215SMTP15	5.6
	215SMTP09	5.6
	215SMTP05	5.6
97 - 130	207SMTP15	4.3
	207SMTP09	4.3
	215SMTP05	5.6
131 - 147	207SMTP09	4.3
	215SMTP05	5.6
148 - 189	207SMTP09	4.3
	207SMTP05	6.8

Output RPM	Reducer Size	Minimum Sheave P.D.
20 HP MOTOR (Cont'd)		
190 - 200	203SMTP09	3.8
	203SMTP05	4.8
201 - 396	203SMTP05	4.8
397 - 400	115SMTP05	6.5
25 HP MOTOR		
5	◆	
6 - 7	608SMTP25B	8.1
	608SMTP15B	8.1
8 - 12	507SMTP25B	7.9
	507SMTP15B	7.9
13 - 17	415SMTP25B	7.1
	415SMTP15B	7.1
18 - 27	407SMTP25B	6.4
	407SMTP15B	6.4
28 - 35	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
36 - 50	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
51 - 62	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
63 - 80	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
81 - 89	215SMTP15	5.6
	215SMTP09	5.6
90 - 107	215SMTP15	5.6
	215SMTP09	5.6
	307SMTP05	6.0
108 - 130	215SMTP15	5.6
	215SMTP09	5.6
	215SMTP05	5.6
131 - 200	207SMTP09	4.3
	215SMTP05	5.6
201 - 269	207SMTP05	6.7
270 - 400	203SMTP05	4.7
30 HP MOTOR		
5 - 6	800SMTP25	12.0
7 - 9	608SMTP25B	8.1
	608SMTP15B	8.2
10 - 15	507SMTP25B	7.9
	507SMTP15B	7.9
16 - 21	415SMTP25B	7.1
	415SMTP15B	7.1
22 - 33	407SMTP25B	6.4
	407SMTP15B	6.4
34 - 45	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
46 - 50	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0

Output RPM	Reducer Size	Minimum Sheave P.D.
30 HP MOTOR (Cont'd)		
51 - 80	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
81 - 89	307SMTP15	6.0
	215SMTP09	5.6
90 - 130	215SMTP15	5.6
	215SMTP09	5.6
	307SMTP05	6.0
131 - 140	215SMTP09	5.6
	307SMTP05	6.0
141 - 167	215SMTP09	5.6
	215SMTP05	5.6
168 - 200	207SMTP09	4.3
	215SMTP05	5.6
201 - 264	215SMTP05	5.6
265 - 351	207SMTP05	6.6
352 - 400	203SMTP05	4.6
40 HP MOTOR		
5	◆	
6 - 8	800SMTP25	12.0
9 - 13	608SMTP25B	8.1
	608SMTP15B	8.5
14 - 20	507SMTP25B	7.9
	507SMTP15B	7.9
21 - 29	415SMTP25B	7.1
	415SMTP15B	7.1
30 - 45	407SMTP25B	6.4
	407SMTP15B	6.4
46 - 50	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.7
51 - 70	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.7
71 - 80	307SMTP25●	6.0
	307SMTP15	6.0
	307SMTP09	6.0
81 - 89	307SMTP15	6.0
	307SMTP09	6.0
90 - 117	307SMTP15	6.0
	307SMTP09	6.0
	315SMTP05	13.5
118 - 122	307SMTP15	6.0
	307SMTP09	6.0
	307SMTP05	6.4
123 - 130	215SMTP15	5.6
	215SMTP09	5.6
	307SMTP05	6.4
131 - 200	215SMTP09	5.6
	307SMTP05	6.4
201 - 216	307SMTP05	6.4
217 - 400	215SMTP05	5.6
50 HP MOTOR		
5 - 6	◆	
7 - 10	800SMTP25	12.0
11 - 16	608SMTP25B	8.1
	608SMTP15B	8.6
17 - 26	507SMTP25B	7.9
	507SMTP15B	7.9

Notes:
 ● Requires fan kit.
 ▲ Requires pump and cooler kit.
 ◆ Contact Application Engineering (1 800 626 2093) for the selection of an enclosed gear drive.

Class II Service (1.4 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
50 HP MOTOR (Cont'd)		
27 - 37	415SMTP25B	7.1
	415SMTP15B	7.1
38 - 57	407SMTP25B [●]	6.4
	407SMTP15B	6.4
58 - 80	315SMTP25 [●]	6.4
	315SMTP15	6.4
	315SMTP09	8.0
81 - 89	315SMTP15	6.4
	315SMTP09	8.0
90 - 111	307SMTP15 [●]	6.0
	307SMTP09 [●]	7.2
	307SMTP05	18.7
112 - 130	307SMTP15 [●]	6.0
	307SMTP09 [●]	7.2
	315SMTP05	14.4
131 - 163	307SMTP09 [●]	7.2
	315SMTP05	14.3
164 - 169	307SMTP09 [●]	7.2
	307SMTP05	6.3
170 - 200	215SMTP09	5.6
	307SMTP05	6.3
201 - 304	307SMTP05	6.3
305 - 400	215SMTP05	5.6
60 HP MOTOR		
5 - 8	◆	
9 - 13	800SMTP25	12.0
14 - 20	608SMTP25B	8.1
	608SMTP15B	8.2
21 - 32	507SMTP25B	7.9
	507SMTP15B	7.9
33 - 44	415SMTP25B	7.1
	415SMTP15B	7.1
45 - 70	407SMTP25B [●]	6.4
	407SMTP15B [●]	6.4
71 - 80	315SMTP25 [●]	6.4
	315SMTP15 [●]	6.4
	315SMTP09 [●]	9.6
81 - 89	315SMTP15 [●]	6.4
	315SMTP09 [●]	9.6
90 - 120	315SMTP15 [●]	6.4
	315SMTP09 [●]	9.6
	407SMTP05B	22.0
121 - 130	307SMTP15 [●]	6.0
	307SMTP09 [●]	7.0
	407SMTP05B	22.0
131 - 144	307SMTP09 [●]	7.0
	407SMTP05B	22.0
145 - 200	307SMTP09 [●]	7.0
	315SMTP05	14.2
201 - 215	315SMTP05	14.2
216 - 400	307SMTP05	6.1
75 HP MOTOR		
5 - 10	◆	
11 - 16	800SMTP25	12.0
17 - 26	608SMTP25B	8.1
	608SMTP15B	9.6
27 - 41	507SMTP25B	7.9
	507SMTP15B	7.9

Output RPM	Reducer Size	Minimum Sheave P.D.
75 HP MOTOR (Cont'd)		
42 - 58	415SMTP25B [●]	7.1
	415SMTP15B	7.1
59 - 80	407SMTP25B [●]	6.4
	407SMTP15B [●]	6.4
81 - 89	407SMTP15B [●]	6.4
90 - 94	407SMTP15B [●]	6.4
	415SMTP05B	24.3
95 - 102	407SMTP15B [●]	6.4
	315SMTP09 [●]	10.1
	415SMTP05B	24.3
103 - 125	315SMTP15 [●]	6.4
	315SMTP09 [●]	10.1
	415SMTP05B	24.3
126 - 130	315SMTP15 [●]	6.4
	315SMTP09 [●]	10.1
	407SMTP05B	21.8
131 - 166	315SMTP09 [●]	10.1
	407SMTP05B	21.8
167 - 200	307SMTP09 [●]	6.8
	407SMTP05B	21.8
201 - 301	315SMTP05	13.9
302 - 400	307SMTP05	6.0
100 HP MOTOR		
5 - 14	◆	
15 - 22	800SMTP25	12.0
23 - 37	608SMTP25B	8.1
	608SMTP15B	14.6
38 - 61	507SMTP25B [●]	7.9
	507SMTP15B	8.4
62 - 80	415SMTP25B [●]	7.1
	415SMTP15B [●]	7.1
81 - 89	415SMTP15B [●]	7.1
90 - 130	407SMTP15B [●]	6.4
	415SMTP05B	29.6
131 - 143	415SMTP05B	29.6
144 - 172	315SMTP09 [●]	9.8
	415SMTP05B	29.6
173 - 190	315SMTP09 [●]	9.8
	407SMTP05B [●]	21.1
191 - 200	315SMTP09 [●]	9.8
	407SMTP05B [●]	21.1
201 - 302	407SMTP05B [●]	21.1
303 - 400	315SMTP05	13.7
125 HP MOTOR		
5 - 18	◆	
19 - 29	800SMTP25	12.0
30 - 50	608SMTP25B [●]	9.8
	608SMTP15B	15.0
51 - 80	507SMTP25B [●]	7.9
	507SMTP15B	8.5
81 - 121	415SMTP15B [●]	7.1
122 - 130	407SMTP15B [●]	6.4
139 - 199	415SMTP05B	29.3
200 - 236	◆	
237 - 400	407SMTP05B [●]	20.7
150 HP MOTOR		
5 - 22	◆	
23 - 30	800SMTP25	12.0
39 - 66	608SMTP25B [●]	8.1
	608SMTP15B	14.7

Output RPM	Reducer Size	Minimum Sheave P.D.
150 HP MOTOR (Cont'd)		
67 - 80	507SMTP25B [●]	7.9
	507SMTP15B	8.4
81 - 108	507SMTP15B	8.4
109 - 130	415SMTP15B [●]	7.1
131 - 180	◆	
181 - 340	415SMTP05B [●]	28.9
341 - 400	407SMTP05B [●]	20.3
200 HP MOTOR		
5 - 30	◆	
31 - 59	800SMTP25	12.0
60 - 80	608SMTP25B [●]	8.1
	608SMTP15B [●]	13.2
81 - 99	608SMTP15B [●]	13.2
100 - 130	507SMTP15B [●]	8.5
131 - 273	◆	
274 - 400	415SMTP05B [●]	28.3
250 HP MOTOR		
5 - 38	◆	
39 - 80	800SMTP25 [●]	12.0
81 - 84	◆	
85 - 130	608SMTP15B [●]	12.0
131 - 378	◆	
379 - 400	415SMTP05B [▲]	27.9
300 HP MOTOR		
5 - 46	◆	
47 - 80	800SMTP25 [▲]	12.0
81 - 112	◆	
113 - 130	608SMTP15B [▲]	11.1
131 - 400	◆	
350 HP MOTOR		
5 - 55	◆	
56 - 80	800SMTP25 [▲]	12.0
81 - 400	◆	
400 HP MOTOR		
5 - 63	◆	
64 - 80	800SMTP25 [▲]	12.0
81 - 400	◆	
450 HP MOTOR		
5 - 72	◆	
73 - 80	800SMTP25 [▲]	12.0
81 - 400	◆	
500 HP MOTOR		
5 - 400	◆	

Notes:

- Requires fan kit.
- ▲ Requires pump and cooler kit.
- ◆ Contact Application Engineering (1 800 626 2093) for the selection of an enclosed gear drive.



SMT/SMFP Selection Chart



Class III Service (2.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
1/4 HP MOTOR		
5 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.4
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.4
81 - 89	107SMTP15	2.3
	107SMTP09	2.4
90 - 130	107SMTP15	2.3
	107SMTP09	2.4
	107SMTP05	2.3
131 - 200	107SMTP09	2.4
	107SMTP05	2.3
201 - 400	107SMTP05	2.3
1/3 HP MOTOR		
5 - 6	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
7 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
81 - 89	107SMTP15	2.3
	107SMTP09	2.3
90 - 130	107SMTP15	2.3
	107SMTP09	2.3
	107SMTP05	2.3
131 - 200	107SMTP09	2.3
	107SMTP05	2.3
201 - 400	107SMTP05	2.3
1/2 HP MOTOR		
5 - 6	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
7 - 9	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
10 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.4
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.4
81 - 89	107SMTP15	2.3
	107SMTP09	2.4
90 - 130	107SMTP15	2.3
	107SMTP09	2.4
	107SMTP05	2.3
131 - 200	107SMTP09	2.4
	107SMTP05	2.3
201 - 400	107SMTP05	2.3

Output RPM	Reducer Size	Minimum Sheave P.D.
3/4 HP MOTOR		
5	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
6 - 10	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
11 - 14	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
15 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.4
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.4
81 - 89	107SMTP15	2.3
	107SMTP09	2.4
90 - 130	107SMTP15	2.3
	107SMTP09	2.4
	107SMTP05	2.3
131 - 200	107SMTP09	2.4
	107SMTP05	2.3
201 - 400	107SMTP05	2.3
1 HP MOTOR		
5 - 8	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
9 - 14	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
15 - 20	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
21 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
81 - 89	107SMTP15	2.3
	107SMTP09	2.3
90 - 130	107SMTP15	2.3
	107SMTP09	2.3
	107SMTP05	2.3
131 - 200	107SMTP09	2.3
	107SMTP05	2.3
201 - 400	107SMTP05	2.3

Output RPM	Reducer Size	Minimum Sheave P.D.
1 1/2 HP MOTOR		
5 - 7	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
8 - 12	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
13 - 22	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
23 - 31	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
32 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
81 - 89	107SMTP15	2.3
	107SMTP09	2.3
90 - 130	107SMTP15	2.3
	107SMTP09	2.3
	107SMTP05	2.3
131 - 200	107SMTP09	2.3
	107SMTP05	2.3
201 - 400	107SMTP05	2.3
2 HP MOTOR		
5 - 6	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
7 - 10	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
11 - 17	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
18 - 30	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
31 - 42	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
43 - 50	107SMTP35	2.3
	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
51 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3

Class III Service (2.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
2 HP MOTOR (Cont'd)		
81 - 89	107SMTP15	2.3
	107SMTP09	2.3
90 - 130	107SMTP15	2.3
	107SMTP09	2.3
	107SMTP05	2.3
131 - 200	107SMTP09	2.3
	107SMTP05	2.3
201 - 400	107SMTP05	2.3
3 HP MOTOR		
5	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
6 - 9	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
10 - 16	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
17 - 26	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
27 - 46	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
47 - 50	115SMTP35	3.4
	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
51 - 65	115SMTP25	3.4
	115SMTP15	3.4
	115SMTP09	3.4
66 - 80	107SMTP25	2.3
	107SMTP15	2.3
	107SMTP09	2.3
81 - 89	107SMTP15	2.3
	107SMTP09	2.3
90 - 115	107SMTP15	2.3
	107SMTP09	2.3
	115SMTP05	4.9
116 - 130	107SMTP15	2.3
	107SMTP09	2.3
	107SMTP05	2.3
131 - 200	107SMTP09	2.3
	107SMTP05	2.3
201 - 400	107SMTP05	2.3
5 HP MOTOR		
5 - 7	407SMTP25B	6.4
	407SMTP15B	6.4
8 - 9	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4

Output RPM	Reducer Size	Minimum Sheave P.D.
5 HP MOTOR (Cont'd)		
10 - 16	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
17 - 27	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
28 - 44	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
45 - 50	203SMTP35	3.8
	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
51 - 80	203SMTP25	3.8
	203SMTP15	3.8
	203SMTP09	3.8
81 - 89	115SMTP15	3.4
	115SMTP09	3.4
90 - 113	115SMTP15	3.4
	115SMTP09	3.4
	115SMTP05	4.9
114 - 130	107SMTP15	2.3
	107SMTP09	2.3
	115SMTP05	4.9
131 - 200	107SMTP09	2.3
	115SMTP05	4.9
201 - 244	115SMTP05	4.9
245 - 400	107SMTP05	2.3
7 1/2 HP MOTOR		
5 - 6	415SMTP25B	7.1
	415SMTP15B	7.1
7 - 11	407SMTP25B	6.4
	407SMTP15B	6.4
12 - 14	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
15 - 25	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
26 - 42	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
43 - 50	207SMTP35	4.3
	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
51 - 80	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
81 - 89	203SMTP15	3.8
	203SMTP09	3.8

Output RPM	Reducer Size	Minimum Sheave P.D.
7 1/2 HP MOTOR (Cont'd)		
90 - 120	203SMTP15	3.8
	203SMTP09	3.8
	203SMTP05	3.8
121 - 130	115SMTP15	3.4
	115SMTP09	3.4
	203SMTP05	3.8
131 - 161	115SMTP09	3.4
	203SMTP05	3.8
162 - 194	115SMTP09	3.4
	115SMTP05	4.8
195 - 200	107SMTP09	2.3
	115SMTP05	4.8
201 - 400	115SMTP05	4.8
10 HP MOTOR		
5 - 6	507SMTP25B	7.9
	507SMTP15B	7.9
7 - 9	415SMTP25B	7.1
	415SMTP15B	7.1
10 - 14	407SMTP25B	6.4
	407SMTP15B	6.4
15 - 19	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
20 - 34	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
35 - 50	215SMTP35	5.6
	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
51 - 61	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
61 - 80	207SMTP25	4.3
	207SMTP15	4.3
	207SMTP09	4.3
81 - 89	207SMTP15	4.3
	207SMTP09	4.3
90 - 119	207SMTP15	4.3
	207SMTP09	4.3
	207SMTP05	4.9
120 - 130	203SMTP15	3.8
	203SMTP09	3.8
131 - 168	203SMTP09	3.8
	203SMTP05	3.8
169 - 200	115SMTP09	3.4
	203SMTP05	3.8
201 - 244	203SMTP05	3.8
245 - 400	115SMTP05	4.7
15 HP MOTOR		
5 - 6	608SMTP25B	8.1
	608SMTP15B	8.1
7 - 10	507SMTP25B	7.9
	507SMTP15B	7.9
11 - 15	415SMTP25B	7.1
	415SMTP15B	7.1

Class III Service (2.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
15 HP MOTOR (Cont'd)		
16 - 23	407SMTP25B	6.4
	407SMTP15B	6.4
24 - 30	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
31 - 50	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
51 - 80	215SMTP25	5.6
	215SMTP15	5.6
	215SMTP09	5.6
81 - 89	215SMTP15	5.6
	215SMTP09	5.6
90 - 105	215SMTP15	5.6
	215SMTP09	5.6
	215SMTP05	5.6
106 - 130	207SMTP15	4.3
	207SMTP09	4.3
	215SMTP05	5.6
131 - 162	207SMTP09	4.3
	215SMTP05	5.6
163 - 200	207SMTP09	4.3
	207SMTP05	4.8
201 - 215	207SMTP05	4.8
216 - 400	203SMTP05	3.8
20 HP MOTOR		
5	800SMTP25	12.0
6 - 9	608SMTP25B	8.1
	608SMTP15B	8.1
10 - 14	507SMTP25B	7.9
	507SMTP15B	7.9
15 - 29	415SMTP25B	7.1
	415SMTP15B	7.1
21 - 31	407SMTP25B	6.4
	407SMTP15B	6.4
32 - 43	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
43 - 50	307SMTP35	6.0
	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
51 - 80	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
81 - 89	215SMTP15	5.6
	215SMTP09	5.6
90 - 130	215SMTP15	5.6
	215SMTP09	5.6
	307SMTP05	6.0
131 - 156	215SMTP09	5.6
	215SMTP05	5.6
157 - 200	207SMTP09	4.3
	215SMTP05	5.6
201 - 246	215SMTP05	5.6

Output RPM	Reducer Size	Minimum Sheave P.D.
20 HP MOTOR (Cont'd)		
247 - 327	207SMTP05	4.6
328 - 400	203SMTP05	3.8
25 HP MOTOR		
5 - 7	800SMTP25	12.0
8 - 11	608SMTP25B	8.1
	608SMTP15B	8.1
12 - 18	507SMTP25B	7.9
	507SMTP15B	7.9
19 - 25	415SMTP25B	7.1
	415SMTP15B	7.1
26 - 39	407SMTP25B	6.4
	407SMTP15B	6.4
40 - 50	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
51 - 59	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
60 - 80	307SMTP25	6.0
	307SMTP15	6.0
	307SMTP09	6.0
81 - 89	307SMTP15	6.0
	307SMTP09	6.0
90 - 99	307SMTP15	6.0
	307SMTP09	6.0
	315SMTP05	10.1
100 - 110	307SMTP15	6.0
	307SMTP09	6.0
	307SMTP05	6.0
111 - 130	215SMTP15	5.6
	215SMTP09	5.6
	307SMTP05	6.0
131 - 182	215SMTP09	5.6
	307SMTP05	6.0
183 - 200	215SMTP09	5.6
	215SMTP05	5.6
201 - 340	215SMTP05	5.6
341 - 400	207SMTP05	4.6
30 HP MOTOR		
6 - 9	800SMTP25	12.0
10 - 14	608SMTP25B	8.1
	608SMTP15B	8.1
15 - 22	507SMTP25B	7.9
	507SMTP15B	7.9
23 - 31	415SMTP25B	7.1
	415SMTP15B	7.1
32 - 48	407SMTP25B	6.4
	407SMTP15B	6.4
49 - 50	315SMTP35	6.4
	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
51 - 80	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
81 - 89	307SMTP15	6.0
	307SMTP09	6.0

Output RPM	Reducer Size	Minimum Sheave P.D.
30 HP MOTOR (Cont'd)		
90 - 130	307SMTP15	6.0
	307SMTP09	6.0
	315SMTP05	10.1
131 - 200	215SMTP09	5.6
	307SMTP05	6.0
201 - 240	307SMTP05	6.0
241 - 400	215SMTP05	5.6
40 HP MOTOR		
5 - 7	◆	
8 - 12	800SMTP25	12.0
13 - 19	608SMTP25B	8.1
	608SMTP15B	8.1
20 - 30	507SMTP25B	7.9
	507SMTP15B	7.9
31 - 42	415SMTP25B	7.1
	415SMTP15B	7.1
43 - 69	407SMTP25B	6.4
	407SMTP15B	6.4
70 - 80	315SMTP25	6.4
	315SMTP15	6.4
	315SMTP09	6.4
81 - 89	315SMTP15	6.4
	315SMTP09	6.4
90 - 113	315SMTP15	6.4
	315SMTP09	6.4
	407SMTP05B	14.9
114 - 130	307SMTP15	6.0
	307SMTP09	6.0
	407SMTP05B	14.9
131 - 200	307SMTP09	6.0
	315SMTP05	9.9
201 - 372	307SMTP05	6.0
373 - 400	215SMTP05	5.6
50 HP MOTOR		
5 - 9	◆	
10 - 15	800SMTP25	12.0
16 - 24	608SMTP25B	8.1
	608SMTP15B	8.1
25 - 38	507SMTP25B	7.9
	507SMTP15B	7.9
39 - 54	415SMTP25B	7.1
	415SMTP15B	7.1
55 - 80	407SMTP25B●	6.4
	407SMTP15B	6.4
81 - 89	407SMTP15B	6.4
90 - 95	407SMTP15B	6.4
	315SMTP09	7.1
	415SMTP05B	19.5
96 - 106	315SMTP15	6.4
	315SMTP09	7.2
	415SMTP05B	19.5
107 - 130	315SMTP15	6.4
	315SMTP09	7.2
	407SMTP05B	15.2
131 - 155	315SMTP09	7.2
	407SMTP05B	15.2
156 - 186	307SMTP09●	6.0
	407SMTP05B	15.2

Notes:
 ● Requires fan kit.
 ▲ Requires pump and cooler kit.
 ◆ Contact Application Engineering (1 800 626 2093) for the selection of an enclosed gear drive.

Class III Service (2.0 S.F.)

Output RPM	Reducer Size	Minimum Sheave P.D.
50 HP MOTOR (Cont'd)		
187 - 200	307SMTP09●	6.0
	315SMTP05	9.8
201 - 280	315SMTP05	9.8
281 - 400	307SMTP05	6.0
60 HP MOTOR		
5 - 12	◆	
13 - 19	800SMTP25	12.0
20 - 30	608SMTP25B	8.1
	608SMTP15B	8.1
31 - 48	507SMTP25B	7.9
	507SMTP15B	7.9
49 - 70	415SMTP25B	7.1
	415SMTP15B	7.1
71 - 80	407SMTP25B●	6.4
	407SMTP15B●	6.4
81 - 89	407SMTP15B	6.4
90 - 114	407SMTP15B●	6.4
	415SMTP05B	19.5
115 - 123	407SMTP15B●	6.4
	315SMTP09●	7.0
	415SMTP05B	19.5
124 - 130	315SMTP15●	6.4
	315SMTP09●	7.0
	415SMTP05B	19.5
131 - 152	315SMTP09●	7.0
	407SMTP05B	15.0
153 - 200	315SMTP09●	7.0
	407SMTP05B	15.0
201 - 242	407SMTP05B	15.0
243 - 370	315SMTP05	9.7
371 - 400	307SMTP05	6.0
75 HP MOTOR		
5 - 15	◆	
16 - 24	800SMTP25	12.0
25 - 40	608SMTP25B	8.1
	608SMTP15B	11.7
41 - 67	507SMTP25B	7.9
	507SMTP15B	7.9
68 - 80	415SMTP25B●	7.1
	415SMTP15B	7.1
81 - 89	415SMTP15B	7.1
90 - 97	415SMTP15B	7.1
	415SMTP05B	20.7
98-130	407SMTP15B●	6.4
131 - 159	415SMTP05B	20.7
160 - 190	315SMTP09●	6.8
191 - 200	315SMTP09●	6.8
	407SMTP05B	14.7
201 - 334	407SMTP05B	14.7
335 - 400	315SMTP05	9.5
100 HP MOTOR		
5 - 20	◆	
21 - 35	800SMTP25	12.0
36 - 61	608SMTP25B	8.1
	608SMTP15B	10.5
62 - 80	507SMTP25B●	7.9
	507SMTP15B	7.9
81 - 101	507SMTP15B	7.9
102 - 130	415SMTP15B●	7.1

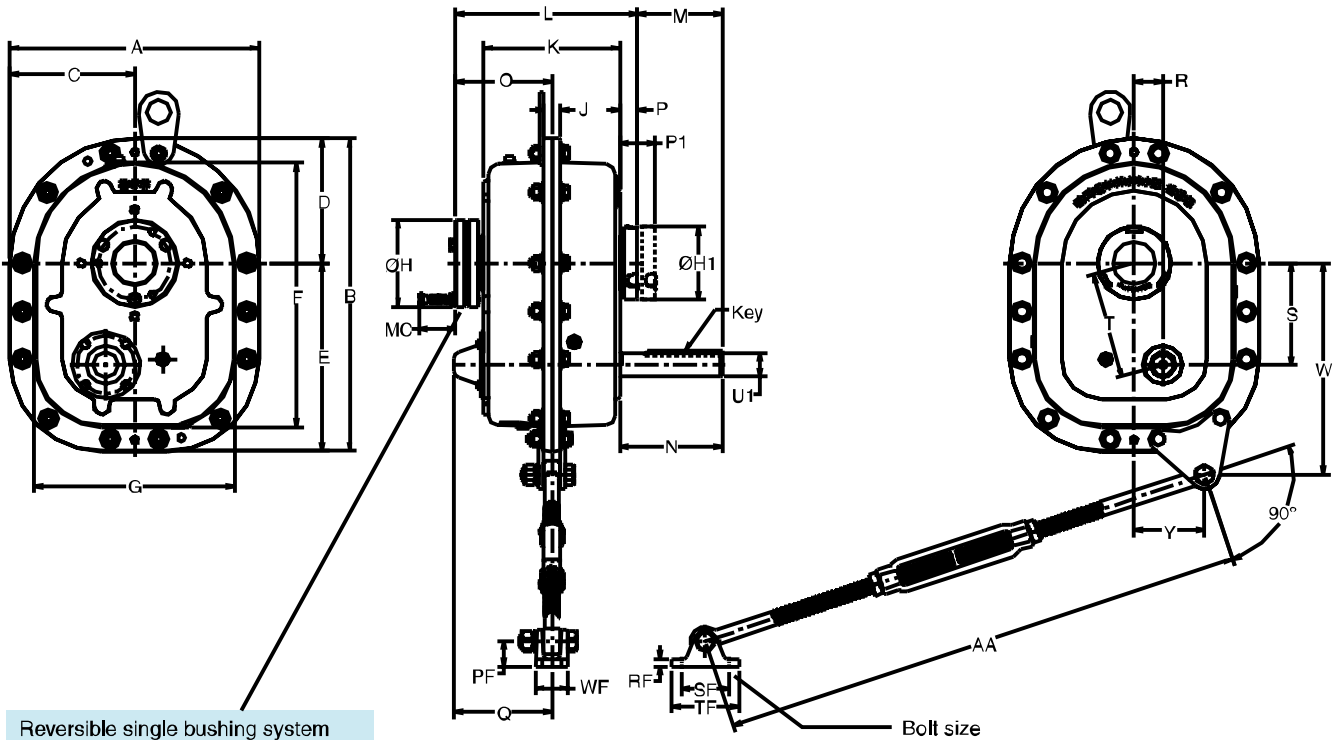
Output RPM	Reducer Size	Minimum Sheave P.D.
100 HP MOTOR (Cont'd)		
131 - 168	◆	
169 - 286	415SMTP05B	20.3
287 - 400	407SMTP05B●	14.2
125 HP MOTOR		
5 - 26	◆	
27 - 50	800SMTP25●	12.0
51 - 80	608SMTP25B●	8.1
	608SMTP15B	9.6
81 - 84	608SMTP15B	9.6
85 - 130	507SMTP15B	7.9
131 - 232	◆	
233 - 400	415SMTP05B●	20.1
150 HP MOTOR		
5 - 32	◆	
33 - 66	800SMTP25●	12.0
67 - 80	608SMTP25B●	8.1
	608SMTP15B	9.0
81 - 110	608SMTP15B	9.0
111 - 130	507SMTP15B	7.9
131 - 302	◆	
303 - 400	415SMTP05B●	19.7
200 HP MOTOR		
5 - 44	◆	
45 - 80	800SMTP25●	12.0
81 - 104	◆	
105 - 130	608SMTP15B●	8.1
131 - 400	◆	
250 HP MOTOR		
5 - 56	◆	
57 - 80	800SMTP25●	12.0
81 - 400	◆	
300 HP MOTOR		
5 - 68	◆	
69 - 80	800SMTP25▲	12.0
81 - 400	◆	
350 HP MOTOR		
5 - 400	◆	

Notes:

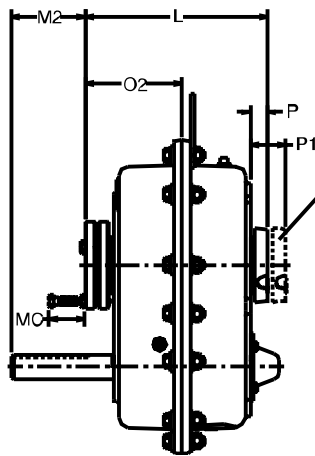
- Requires fan kit.
- ▲ Requires pump and cooler kit.
- ◆ Contact Application Engineering (1 800 626 2093) for the selection of an enclosed gear drive.



SMTP TorqTaper Plus Unit Sizes 107-315



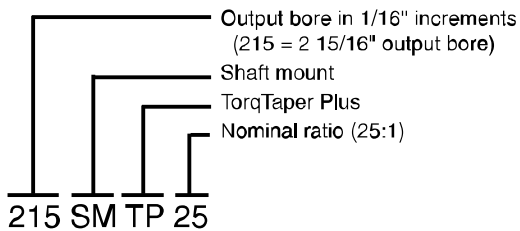
Reversible single bushing system mounted on the back side.



Reversible single bushing system mounted on the front side.



Part Number Explanation



SMTP TorqTaper Plus Unit Sizes 107-315

PART NO. ★	DIMENSIONS IN INCHES									
	A	B	C	D	E	F	G	H	H1	J
107SMTP	9.76	12.07	4.88	4.88	7.19	10.07	7.75	3.25	3	0.63
115SMTP	11	14.08	5.5	5.5	8.58	11.78	8.69	4.13	3.5	0.75
203SMTP	12.88	16.16	6.44	6.44	9.72	13.66	10.38	4.5	3.75	0.87
207SMTP	14.5	18.47	7.25	7.25	11.22	15.73	11.76	4.88	4.25	1.01
215SMTP	16.25	20.88	8.13	8.13	12.76	18.07	13.44	5.31	4.75	1.07
307SMTP	19.04	24.37	9.52	9.52	14.85	21	15.67	6.44	5.69	1.25
315SMTP	19.9	26.35	9.95	9.95	16.4	23.02	16.57	7.13	6.7	1.25

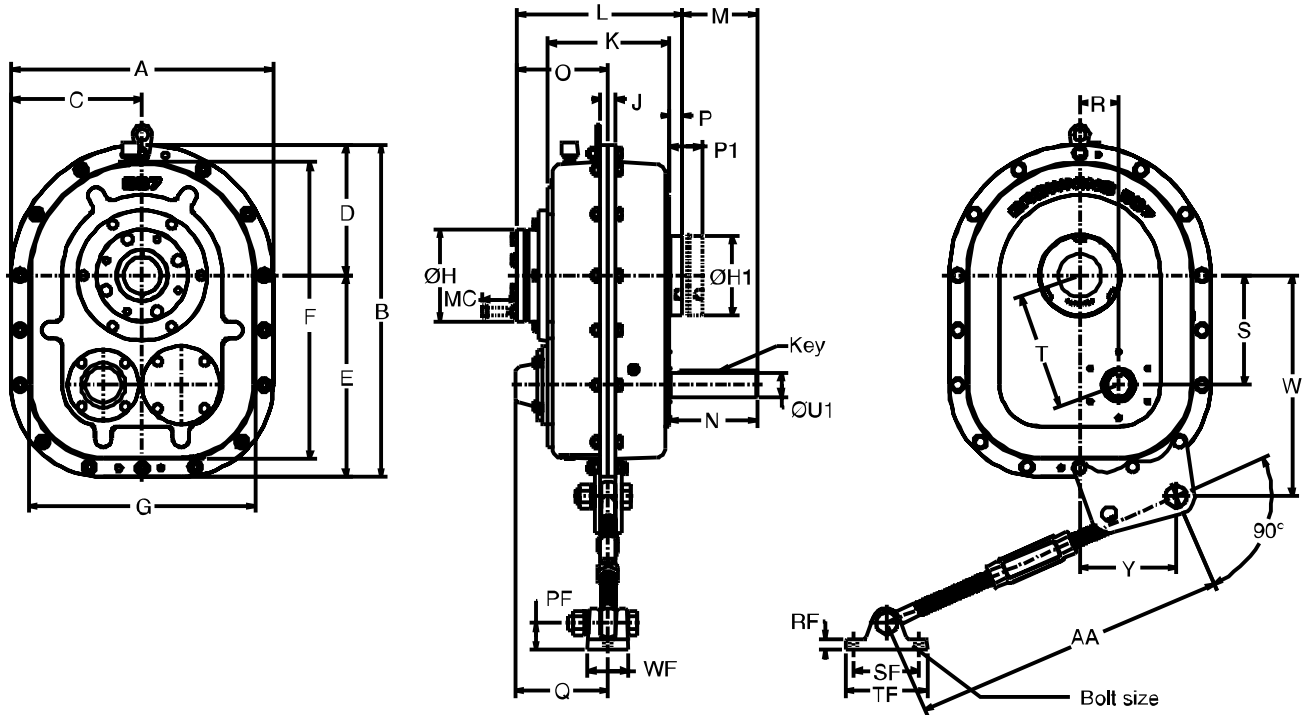
PART NO. ★	DIMENSIONS IN INCHES									
	K	L	M	M2	MC	N	O	O2	P	P1
107SMTP	5.52	7.89	3.18	2.61	1.75	4.08	4.25	4.21	0.9	1.84
115SMTP	5.99	8.36	3.34	2.77	1.88	4.24	4.48	4.45	0.9	1.83
203SMTP	7.07	9.43	4.42	3.84	1.88	5.31	5.01	4.99	0.89	1.83
207SMTP	7.39	9.75	4.23	3.65	1.88	5.12	5.14	5.19	0.89	1.86
215SMTP	8.24	10.85	4.85	4.28	1.88	5.87	5.69	5.74	1.02	1.96
307SMTP	9.27	12.57	6.09	5.47	2.25	7.45	6.58	6.61	1.36	2.75
315SMTP	10.51	14.5	6.59	5.96	2.75	8.32	7.51	7.61	1.73	3.25

PART NO. ★	DIMENSIONS IN INCHES									
	PF	Q	R	RF	S	SF	T	TF	U1	W
107SMTP	1.14	4.24	1.18	0.36	3.77	2.50	3.95	3.38	0.75	7.88
115SMTP	1.14	4.51	1.35	0.36	4.36	2.50	4.56	3.38	1.12	9.14
203SMTP	1.32	5.04	1.48	0.42	5.26	2.50	5.46	3.50	1.25	10.94
207SMTP	1.51	5.57	1.63	0.48	6.08	3.00	6.29	4.25	1.44	12.68
215SMTP	1.51	6.24	2.12	0.48	7.01	3.00	7.32	4.25	1.87	14.19
307SMTP	1.81	6.79	2.25	0.61	7.78	4.00	8.10	5.38	2.00	17.00
315SMTP	2.22	8.05	2.63	0.72	8.53	4.75	8.93	6.50	2.13	18.12

PART NO. ★	DIMENSIONS IN INCHES						MAX. OUTPUT BORE	WT. LBS
	WF	Y	AA		BOLT SIZE	KEY		
			MIN.	MAX.				
107SMTP	1.44	2.73	24.00	30.00	3/8	.188 x .188 x 2.88	1 7/16	53
115SMTP	1.44	3.12	24.00	30.00	3/8	.250 x .250 x 2.75	1 15/16	75
203SMTP	1.72	3.64	24.00	30.00	3/8	.250 x .250 x 3.88	2 3/16	112
207SMTP	2.19	4.16	27.00	33.00	7/16	.375 x .375 x 3.75	2 7/16	155
215SMTP	2.19	4.65	27.00	33.00	7/16	.500 x .500 x 3.75	2 15/16	226
307SMTP	2.78	5.58	29.00	35.00	1/2	.500 x .500 x 6.50	3 7/16	367
315SMTP	3.63	6.2	29.50	35.50	5/8	.500 x .500 x 7.50	3 15/16	480

★ Complete part number by adding ratio symbol, for example, "107SMTP05".
 Note - "05" is symbol for 5:1 nominal ratio; see page 9 for exact ratios and ratio symbols.
 Dimension "MC" is minimum clearance for bushing removal.
 Order bushings from pages 64 thru 66 for shaft size required.

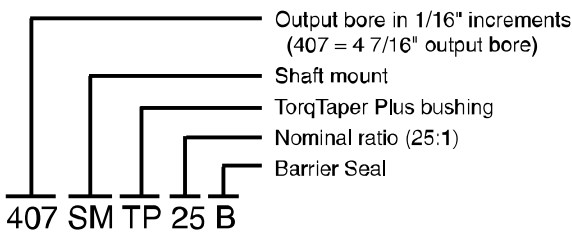
SMTP TorqTaper Plus Unit Sizes 407 - 800



Part No.★	Dimensions in Inches																				
	A	B	C	D	E	F	G	H	H1	J	K	L	M	N	O	P	P1	PF	Q	R	RF
407SMTP-B	21.69	27.80	10.85	10.85	16.96	24.48	18.37	7.69	7.00	1.38	10.13	13.88	5.50	6.70	7.55	1.20	3.00	2.22	8.25	3.13	0.72
415SMTP-B	25.04	31.80	12.52	12.52	19.28	28.01	21.25	9.44	7.88	1.63	12.63	16.78	8.00	9.23	9.18	1.23	3.25	2.92	9.43	3.63	1.17
507SMTP-B	28.16	35.75	14.08	14.08	21.67	31.96	24.37	9.88	8.50	1.63	13.12	17.80	8.00	9.37	9.81	1.37	3.50	2.92	9.96	4.19	1.17
608SMTP-B	30.23	39.58	15.11	15.11	24.47	35.78	26.43	11.56	10.94	1.88	16.74	21.96	8.00	9.51	12.09	1.51	3.75	3.52	12.50	4.25	1.36
800SMTP	36.56	46.93	18.28	18.28	28.65	41.22	30.84	14.50	12.75	2.38	18.78	24.40	10.81	12.75	12.99	1.94	4.75	4.25	13.57	4.88	1.63

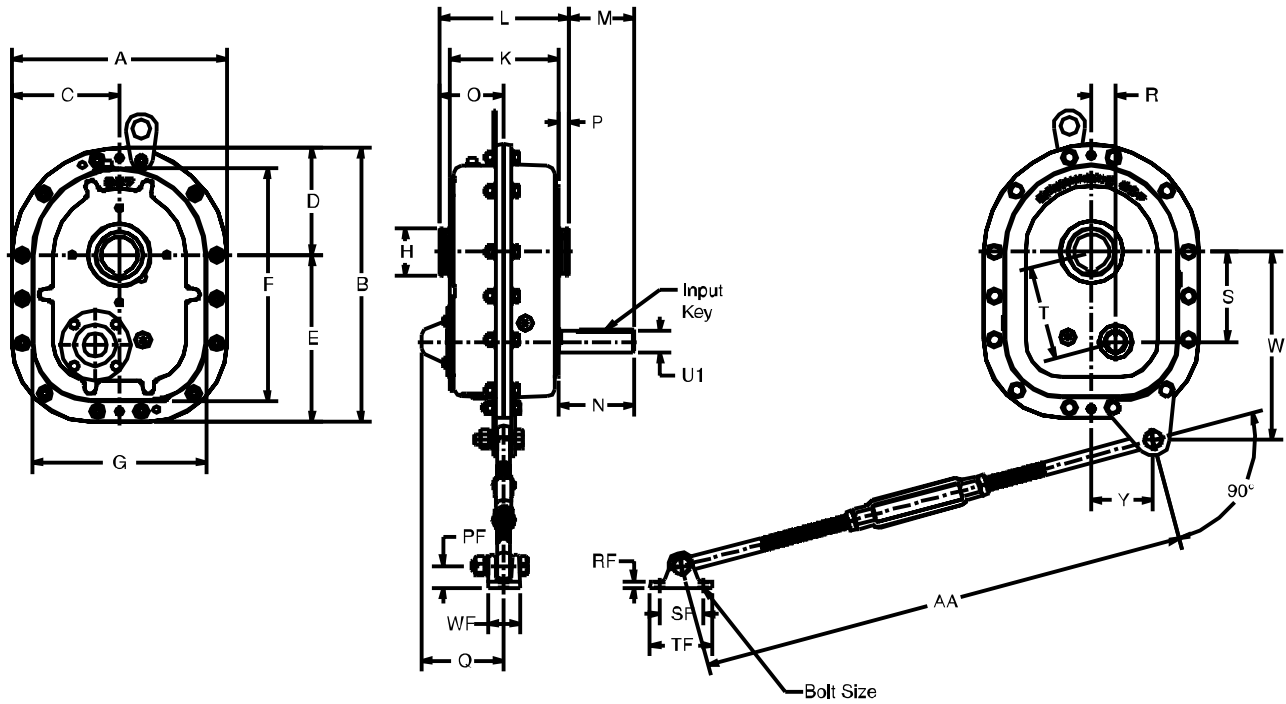
Part No.★	Dimensions in Inches									AA		Bolt Size	Key	Max. Output Bore	MC	Wt. Lbs.
	S	SF	T	TF	U1	W	WF	Y	Min.	Max.						
407SMTP-B	9.24	4.75	9.75	6.50	2.12	19.72	3.63	3.56	29.50	35.50	5/8	1/2 Sq. x 6.00" Key	4 7/16	2.75	609	
415SMTP-B	10.39	7.00	11.00	8.75	2.37	21.79	4.38	7.16	28.00	34.00	3/4	5/8 Sq. x 8.38" Key	4 15/16	3.25	957	
507SMTP-B	11.78	7.00	12.50	8.75	2.62	23.75	4.38	10.36	28.00	34.00	3/4	5/8 Sq. x 8.38" Key	57/16	3.75	1217	
608SMTP-B	13.60	7.00	14.25	9.25	2.69	26.05	4.96	11.71	28.00	34.00	3/4	5/8 Sq. x 8.75" Key	6 1/2	4.25	1913	
800SMTP	15.24	9.00	16.00	11.88	2.94	31.36	5.75	10.62	31.00	37.00	7/8	3/4 Sq. x 12.00" Key	8	4.50	2894	

Part Number Explanation



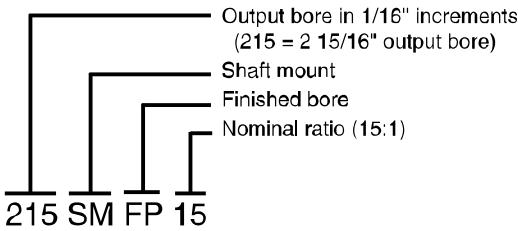
★ Complete part number by adding ratio symbol, for example, "407SMTP05B".

SMFP Finished Bore Sizes 107-315



Note: SMFP units are made-to-order.
Contact Emerson for delivery.

Part Number Explanation



PART NO. ★	DIMENSIONS IN INCHES														OUTPUT BORE*	
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	DIA.	KEYWAY
107SMFP	9.76	12.07	4.88	4.88	7.19	10.07	7.75	2.00	0.63	5.52	6.52	3.58	4.08	3.26	1.4375	.375 x .125
115SMFP	11.00	14.08	5.50	5.50	8.58	11.78	8.69	2.63	0.75	5.99	7.13	3.67	4.24	3.57	1.9375	.500 x .125
203SMFP	12.88	16.16	6.44	6.44	9.72	13.66	10.38	2.88	0.87	7.07	8.45	4.62	5.31	4.23	2.1875	.500 x .187
207SMFP	14.50	18.47	7.25	7.25	11.22	15.73	11.76	3.25	1.01	7.39	8.77	4.43	5.12	4.39	2.4375	.625 x .187
215SMFP	16.25	20.88	8.13	8.13	12.76	18.07	13.44	3.88	1.07	8.24	10.25	4.86	5.87	5.13	2.9375	.750 x .250
307SMFP	19.04	24.37	9.52	9.52	14.85	21.00	15.67	5.00	1.25	9.27	11.70	6.24	7.45	5.85	3.4375	.875 x .250
315SMFP	19.90	26.35	9.95	9.95	16.40	23.02	16.57	5.38	1.25	10.51	13.00	7.08	8.32	6.50	3.9375	1.000 x .250

PART NO. ★	DIMENSIONS IN INCHES														INPUT KEY		WT. LBS.	
	P	PF	a	R	RF	S	SF	T	TF	U1	W	WF	Y	BOLT SIZE	MIN.	MAX.		
107SMFP	0.50	1.14	4.24	1.18	0.36	3.77	2.50	3.95	3.38	0.75	7.88	1.44	2.73	3/8	24	30	.188 x .188 x 2.88	53
115SMFP	0.57	1.14	4.51	1.35	0.36	4.36	2.50	4.56	3.38	1.13	9.14	1.44	3.12	3/8	24	30	.250 x .250 x 2.75	75
203SMFP	0.69	1.32	5.04	1.48	0.42	5.26	2.50	5.46	3.50	1.25	10.94	1.72	3.64	3/8	24	30	.250 x .250 x 3.88	112
207SMFP	0.69	1.51	5.57	1.63	0.48	6.08	3.00	6.29	4.25	1.44	12.68	2.19	4.16	7/16	27	33	.375 x .375 x 3.75	155
215SMFP	1.01	1.51	6.24	2.12	0.48	7.01	3.00	7.32	4.25	1.88	14.19	2.19	4.65	7/16	27	33	.500 x .500 x 3.75	226
307SMFP	1.22	1.81	6.79	2.25	0.61	7.78	4.00	8.10	5.38	2.00	17.00	2.78	5.58	1/2	29	35	.500 x .500 x 6.50	365
315SMFP	1.25	2.22	8.05	2.83	0.72	8.53	4.75	8.93	6.50	2.13	18.12	3.83	6.20	5/8	29.5	355	.500 x .500 x 7.50	477

★ Complete part number by adding ratio symbol, for example, "107SMFP05".
 Note - "05" is symbol for 5:1 nominal ratio; see page 9 for exact ratios and ratio symbols.
 * If smaller shaft than the output bore is used, order bushing from page Accessories Section.