

## Flat-bed IF Series

Low profile hygienic scales exceed pharmaceutical standards



Explosion protection



German Quality



The flat-bed scale IF was developed for ground-level use in harsh and ultra sanitary environments. It is a high-quality, flexible and portable weighing station and can be used in production processes wherever reliable measurement results and hygienic solutions are required.

The right solution for all of these applications:



Weighing



Counting



Filling and dosing



Formulation



Fill quantity control



Statistics

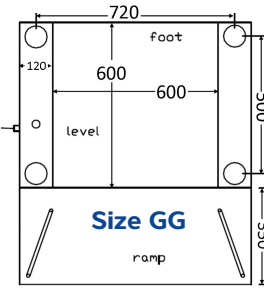


Classification

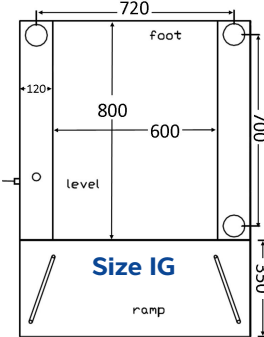


Statistical process control

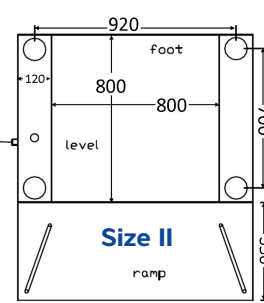
# IF Series Standard Configurations (without options)



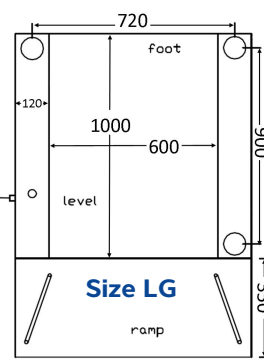
Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150GG	IFXS4-150GG	IFP4-150GG	150	330	0.005	0.01	23.6 x 23.6	600 x 600	25
IFS4-300GG	IFXS4-300GG	IFP4-300GG	300	660	0.01	0.02	23.6 x 23.6	600 x 600	25
IFS4-600GG	IFXS4-600GG	IFP4-600GG	600	1320	0.02	0.05	23.6 x 23.6	600 x 600	25
IFS4-1000GG	IFXS4-1000GG	IFP4-1000GG	1000	2205	0.05	0.1	23.6 x 23.6	600 x 600	25



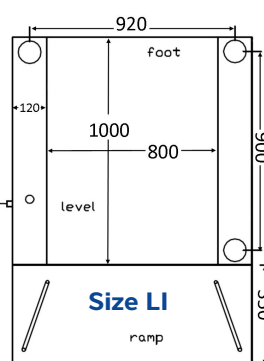
Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150IG	IFXS4-150IG	IFP4-150IG	150	330	0.005	0.01	31.5 x 23.6	800 x 600	25
IFS4-300IG	IFXS4-300IG	IFP4-300IG	300	660	0.01	0.02	31.5 x 23.6	800 x 600	25
IFS4-600IG	IFXS4-600IG	IFP4-600IG	600	1320	0.02	0.05	31.5 x 23.6	800 x 600	25
IFS4-1000IG	IFXS4-1000IG	IFP4-1000IG	1000	2205	0.05	0.1	31.5 x 23.6	800 x 600	25



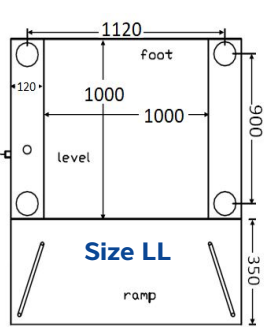
Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150II	IFXS4-150II	IFP4-150II	150	330	0.005	0.01	31.5 x 31.5	800 x 800	25
IFS4-300II	IFXS4-300II	IFP4-300II	300	660	0.01	0.02	31.5 x 31.5	800 x 800	25
IFS4-600II	IFXS4-600II	IFP4-600II	600	1320	0.02	0.05	31.5 x 31.5	800 x 800	25
IFS4-1000II	IFXS4-1000II	IFP4-1000II	1000	2205	0.05	0.1	31.5 x 31.5	800 x 800	25
IFS4-1500II	IFXS4-1500II	IFP4-1500II	1500	3300	0.1	0.2	31.5 x 31.5	800 x 800	25



Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150LG	IFXS4-150LG	IFP4-150LG	150	330	0.005	0.01	39.4 x 23.6	1000 x 600	25
IFS4-300LG	IFXS4-300LG	IFP4-300LG	300	660	0.01	0.02	39.4 x 23.6	1000 x 600	25
IFS4-600LG	IFXS4-600LG	IFP4-600LG	600	1320	0.02	0.05	39.4 x 23.6	1000 x 600	25
IFS4-1000LG	IFXS4-1000LG	IFP4-1000LG	1000	2205	0.05	0.1	39.4 x 23.6	1000 x 600	25
IFS4-1500LG	IFXS4-1500LG	IFP4-1500LG	1500	3300	0.1	0.2	39.4 x 23.6	1000 x 600	25



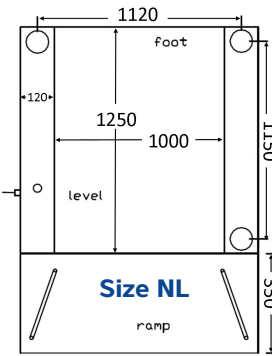
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Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150LI	IFXS4-150LI	IFP4-150LI	150	330	0.005	0.01	39.4 x 31.5	1000 x 800	25
IFS4-300LI	IFXS4-300LI	IFP4-300LI	300	660	0.01	0.02	39.4 x 31.5	1000 x 800	25
IFS4-600LI	IFXS4-600LI	IFP4-600LI	600	1320	0.02	0.05	39.4 x 31.5	1000 x 800	25
IFS4-1000LI	IFXS4-1000LI	IFP4-1000LI	1000	2205	0.05	0.1	39.4 x 31.5	1000 x 800	25
IFS4-1500LI	IFXS4-1500LI	IFP4-1500LI	1500	3300	0.1	0.2	39.4 x 31.5	1000 x 800	35



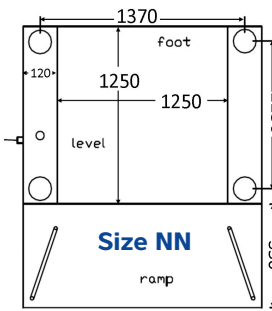
Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150LL	IFXS4-150LL	IFP4-150LL	150	330	0.005	0.01	39.4 x 39.4	1000 x 1000	25
IFS4-300LL	IFXS4-300LL	IFP4-300LL	300	660	0.01	0.02	39.4 x 39.4	1000 x 1000	25
IFS4-600LL	IFXS4-600LL	IFP4-600LL	600	1320	0.02	0.05	39.4 x 39.4	1000 x 1000	25
IFS4-1000LL	IFXS4-1000LL	IFP4-1000LL	1000	2205	0.05	0.1	39.4 x 39.4	1000 x 1000	25
IFS4-1500LL	IFXS4-1500LL	IFP4-1500LL	1500	3300	0.1	0.2	39.4 x 39.4	1000 x 1000	35
IFS4-3000LL	IFXS4-3000LL	IFP4-3000LL	3000	6600	0.2	0.5	39.4 x 39.4	1000 x 1000	45*

\* 45 mm platforms include 500 mm ramps

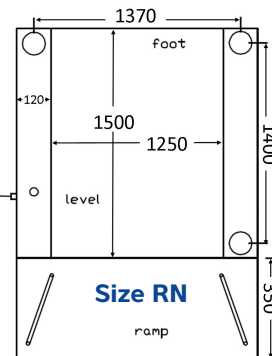
# IF Series Standard Configurations (without options)



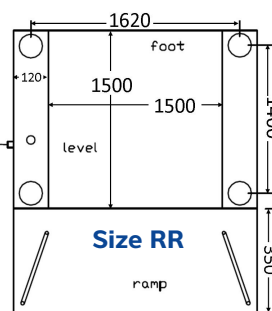
Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150NL	IFXS4-150NL	IFP4-150NL	150	330	0.005	0.01	49.2 x 39.4	1250 x 1000	25
IFS4-300NL	IFXS4-300NL	IFP4-300NL	300	660	0.01	0.02	49.2 x 39.4	1250 x 1000	25
IFS4-600NL	IFXS4-600NL	IFP4-600NL	600	1320	0.02	0.05	49.2 x 39.4	1250 x 1000	25
IFS4-1000NL	IFXS4-1000NL	IFP4-300NL	1000	2205	0.05	0.1	49.2 x 39.4	1250 x 1000	25
IFS4-1500NL	IFXS4-1500NL	IFP4-1500NL	1500	3300	0.1	0.2	49.2 x 39.4	1250 x 1000	35
IFS4-3000NL	IFXS4-3000NL	IFP4-300NL	3000	6600	0.2	0.5	49.2 x 39.4	1250 x 1000	45*



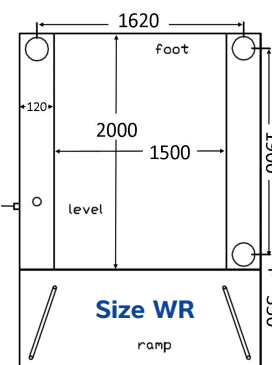
Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150NN	IFXS4-150NN	IFP4-150NN	150	330	0.005	0.01	49.2 x 49.2	1250 x 1250	25
IFS4-300NN	IFXS4-300NN	IFP4-300NN	300	660	0.01	0.02	49.2 x 49.2	1250 x 1250	25
IFS4-600NN	IFXS4-600NN	IFP4-600NN	600	1320	0.02	0.05	49.2 x 49.2	1250 x 1250	35
IFS4-1000NN	IFXS4-1000NN	IFP4-1000NN	1000	2205	0.05	0.1	49.2 x 49.2	1250 x 1250	35
IFS4-1500NN	IFXS4-1500NN	IFP4-1500NN	1500	3300	0.1	0.2	49.2 x 49.2	1250 x 1250	35
IFS4-3000NN	IFXS4-3000NN	IFP4-3000NN	3000	6600	0.2	0.5	49.2 x 49.2	1250 x 1250	45*



Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150RN	IFXS4-150RN	IFP4-150RN	150	330	0.005	0.01	59.1 x 49.2	1500 x 1250	25
IFS4-300RN	IFXS4-300RN	IFP4-300RN	300	660	0.01	0.02	59.1 x 49.2	1500 x 1250	25
IFS4-600RN	IFXS4-600RN	IFP4-600RN	600	1320	0.02	0.05	59.1 x 49.2	1500 x 1250	35
IFS4-1000RN	IFXS4-1000RN	IFP4-1000RN	1000	2205	0.05	0.1	59.1 x 49.2	1500 x 1250	35
IFS4-1500RN	IFXS4-1500RN	IFP4-1500RN	1500	3300	0.1	0.2	59.1 x 49.2	1500 x 1250	35
IFS4-3000RN	IFXS4-3000RN	IFP4-3000RN	3000	6600	0.2	0.5	59.1 x 49.2	1500 x 1250	45*



Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150RR	IFXS4-150RR	IFP4-150RR	150	330	0.005	0.01	59.1 x 59.1	1500 x 1500	35
IFS4-300RR	IFXS4-300RR	IFP4-300RR	300	660	0.01	0.02	59.1 x 59.1	1500 x 1500	35
IFS4-600RR	IFXS4-600RR	IFP4-600RR	600	1320	0.02	0.05	59.1 x 59.1	1500 x 1500	35
IFS4-1000RR	IFXS4-1000RR	IFP4-1000RR	1000	2205	0.05	0.1	59.1 x 59.1	1500 x 1500	45*
IFS4-1500RR	IFXS4-1500RR	IFP4-1500RR	1500	3300	0.1	0.2	59.1 x 59.1	1500 x 1500	45*
IFS4-3000RR	IFXS4-3000RR	IFP4-3000RR	3000	6600	0.2	0.5	59.1 x 59.1	1500 x 1500	45*





Scale Model Numbers			Capacity		Readability		Platform Dimensions		Platform Height mm
Stainless	Ex Stainless	Painted Steel	kg	lb.	kg	lb.	Inches	mm	
IFS4-150WR	IFXS4-150WR	IFP4-150WR	150	330	0.005	0.01	78.7 x 59.1	2000 x 1500	35
IFS4-300WR	IFXS4-300WR	IFP4-300WR	300	660	0.01	0.02	78.7 x 59.1	2000 x 1500	35
IFS4-600WR	IFXS4-600WR	IFP4-600WR	600	1320	0.02	0.05	78.7 x 59.1	2000 x 1500	35
IFS4-1000WR	IFXS4-1000WR	IFP4-1000WR	1000	2205	0.05	0.1	78.7 x 59.1	2000 x 1500	45*
IFS4-1500WR	IFXS4-1500WR	IFP4-1500WR	1500	3300	0.1	0.2	78.7 x 59.1	2000 x 1500	45*
IFS4-3000WR	IFXS4-3000WR	IFP4-3000WR	3000	6600	0.2	0.5	78.7 x 59.1	2000 x 1500	45*


\* 45 mm platforms include 500 mm ramps

## IFS4 Application Overview

IFS4 safe and hazardous area scales are typically configured for one of three applications: stationary weighing, lift deck for cleaning or multiple location use with a variety of wheel kit options.

Standard Model	Typical Options	Description
	T4	Drive thru protection for loading and unloading from one side
	T13	Four transport grips on front and rear of scale
	T6	Rollers on the rear side and grips on the front side for one-sided lifting
	T15	Second ramp for two-sided loading and use as a drive through scale
	T14	Column for mounting scale indicator
	T9	Cover plate for additional protection of the underside of the platform

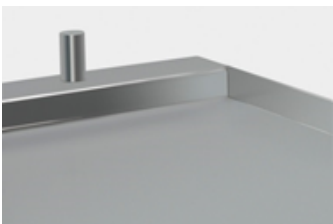
Lift Deck Model	Typical Options	Description
	T16	Lift deck model designed for one person lifting and cleaning
	T17	Second ramp (use w/T16) for two-sided loading or drive through scale
	T10	Lift deck model designed for two person lifting and cleaning
	T11	Second ramp (use w/ T10) for two-sided loading or drive through scale
	T4	Drive through protection for loading and unloading from one side
	T9	Cover plate for additional protection of the underside of the platform

Mobile Model	Typical Options	Description
	T7	Four retractable wheels for easy maneuvering of the platform
	T5	Steering drawbar combined with T4 (drive thru protection) for easy movement
	T4	Drive thru protection for loading and unloading from one side
	T9	Cover plate for additional protection of the underside of the platform
	T15	Second ramp for two-sided loading and use as a drive through scale
	T14	Column for mounting scale indicator

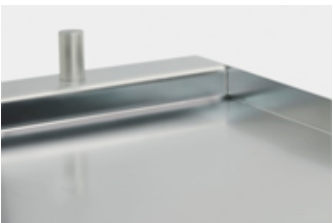
## Options

### Construction Materials for IFS4 (stainless)

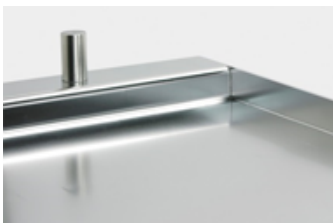
All platforms are formed from a single stainless sheet without welds or sharp corners to trap bacteria



Standard finish: 304 stainless bead blasted

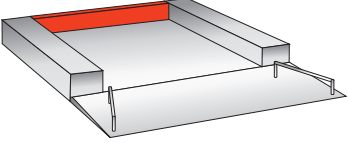
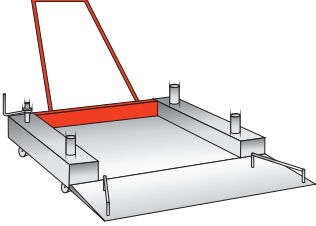
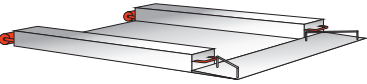
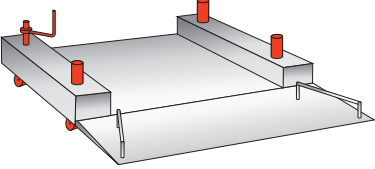
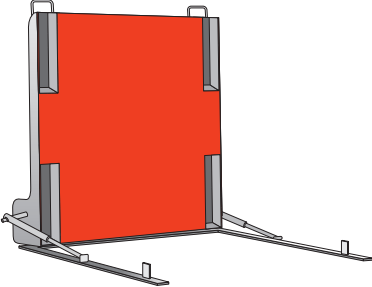
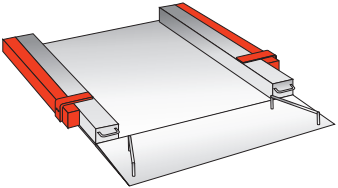


Finish option R6: 304 stainless cold rolled electropolished  
 $Ra \leq 0,8\mu$  (micrometers)



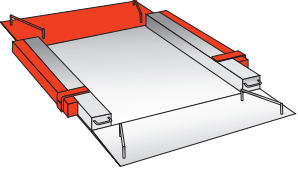
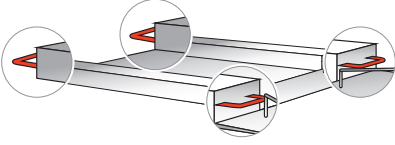
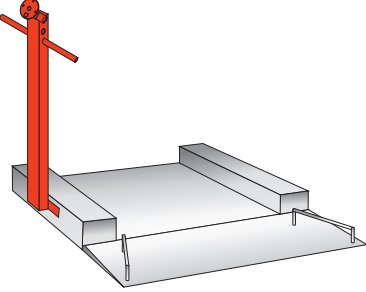
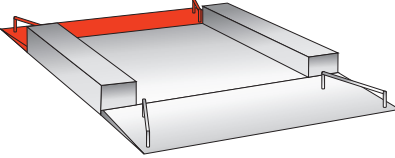
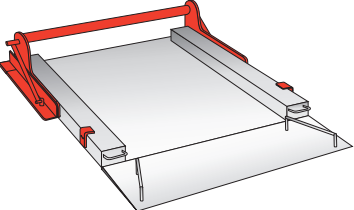
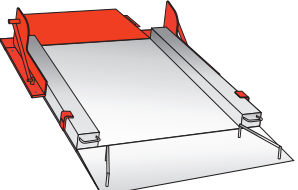
Finish option R2: 316 stainless cold rolled electropolished  
 $Ra \leq 0,4\mu$  (micrometers)

## Available Options for IFS4 (stainless)

<p><b>T4: backstop</b></p> 	<p><b>Description</b></p> <p>Drive through protection for loading and unloading one side only</p> <p><b>Compatible Additional Options</b></p> <p>T6 Rear transport rollers T7 Retractable wheels T9 Bottom plate T10 Two person lift</p> <p>T13 Four handle manual lifts T14 Column for indicator T16 Lift deck for one person operation</p>
<p><b>T5: drawbar incl. backstop</b></p> 	<p><b>Description</b></p> <p>Steering drawbar for easy movement, combined with backstop</p> <p><b>Compatible Additional Options</b></p> <p>T7 Retractable wheels T9 Bottom plate T14 Column for indicator</p>
<p><b>T6: 2 rollers / 2 handles</b></p> 	<p><b>Description</b></p> <p>Rear rollers and front grip handle for moving on two wheels</p> <p><b>Compatible Additional Options</b></p> <p>T4 Backstop T9 Bottom plate T14 Column for indicator</p>
<p><b>T7: retractable wheels</b></p> 	<p><b>Description</b></p> <p>Retractable wheels for 360 degree orientation and easy floor movement</p> <p><b>Compatible Additional Options</b></p> <p>T4 Backstop T5 Steering drawbar w/backstop T14* Column for indicator</p> <p>T15 2nd ramp drive through</p>
<p><b>T9: bottom plate</b></p> 	<p><b>Description</b></p> <p>Bottom plate for additional protection and extra platform strength</p> <p><b>Compatible Additional Options</b></p> <p>T4 Backstop T5 Steering drawbar w/backstop T6 Rear transport rollers T7 Retractable wheels T10 Two person lift kit T11 Two person lift kit with 2nd ramp</p> <p>T13 Four handle manual lifts T14 Column for indicator T15 2nd ramp drive through T16 Lift deck for one person operation T17 One person lift with 2nd ramp</p>
<p><b>T10: basic lift assembly</b></p> 	<p><b>Description</b></p> <p>Basic lift deck designed for two person lifting and cleaning</p> <p><b>Compatible Additional Options</b></p> <p>T4 Backstop T9 Bottom plate</p>

\* Not possible for IG and II models without special modification

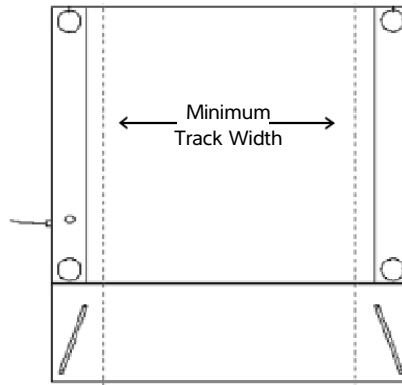
## Available Options for IFS4 (cont.)

<p><b>T11: basic lift + 2nd ramp</b></p> 	<p><b>Description</b></p> <p>Basic lift deck designed for two person lifting and cleaning + 2nd ramp</p> <hr/> <p><b>Compatible Additional Options</b></p> <p>T9 Bottom plate</p>
<p><b>T13: carry handles</b></p> 	<p><b>Description</b></p> <p>Two front, two rear handles for manual movement of scale</p> <hr/> <p><b>Compatible Additional Options</b></p> <p>T4 Backstop T9 Bottom plate T14 Column for indicator</p>
<p><b>T14: column for indicator</b></p> 	<p><b>Description</b></p> <p>Stainless column for mounting scale indicator, 43" tall</p> <hr/> <p><b>Compatible Additional Options</b></p> <p>T4 Backstop T5 Steering drawbar w/backstop T6 Rear transport rollers T7* Retractable wheels</p> <p>T9 Bottom plate T13 Four handle manual lifts T15 2nd ramp drive through</p>
<p><b>T15: 2nd ramp</b></p> 	<p><b>Description</b></p> <p>2nd ramp for entry to scale from front and rear</p> <hr/> <p><b>Compatible Additional Options</b></p> <p>T7 Retractable wheels T9 Bottom plate T14 Column for indicator</p>
<p><b>T16: one person lift deck</b></p> 	<p><b>Description</b></p> <p>Premium lift deck designed for one person lift and clean</p> <hr/> <p><b>Compatible Additional Options</b></p> <p>T4 Backstop T9 Bottom plate</p>
<p><b>T17: 2nd ramp + T16 lift</b></p> 	<p><b>Description</b></p> <p>Premium one person lift combined with 2nd ramp for drive through</p> <hr/> <p><b>Compatible Additional Options</b></p> <p>T9 Bottom plate</p>

\* Not possible for IG and II models without special modification



## Specifications for Loading Wheeled Carts



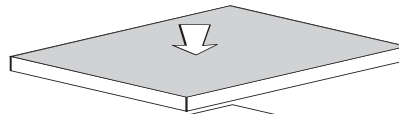
- Wheeled carts (especially when operating at scale capacity) must be sized according to the chart below:

Minimum Wheel Track (mm)					
GG	IG	II	LG	LI	LL
450	450	650	450	650	850

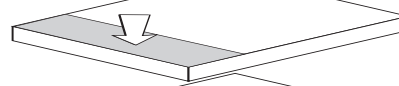
Minimum Wheel Track (mm)				
NL	NN	RN	RR	WR
850	1100	1100	1350	1350

## Capacity by Load Location on Platform

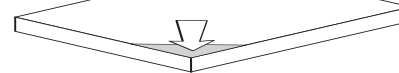
Center load-bearing capacity



Side load-bearing capacity



Corner load-bearing capacity




Scale Capacity		Dimension Codes	Center Load Bearing Capacity		Side Load Bearing Capacity		Corner Load Bearing Capacity	
kg	lb		kg	lb	kg	lb	kg	lb
150	330	GG to NL	300	650	150	330	75	165
150	330	NN to WR	600	1,320	300	660	150	330
300	660	All	600	1,320	300	660	150	330
600	1,320	All	1,700	3,750	850	1,870	425	940
1,000	2,200	All	2,000	4,400	1,000	2,200	500	1,100
1,500	3,300	All	3,000	6,600	1,500	3,300	750	1,650
3,000	6,600	All	3,500	7,700	1,500	3,300	750	1,650

## Product Net and Shipping Weights with Crate Dimensions

Size Code	Dimensions (A × B) mm	Net weight (incl. 1 ramp) in lb.	Gross weight (w/pallet) in lb.	Weight of ramp in lb.	Crated Length inches	Crated Width inches	Crated Height inches
GG	600 × 600	121	198	31	45.6	48.4	10.2
IG	800 × 600	143	220	31	45.6	48.4	10.2
II	800 × 800	165	242	18	45.6	48.4	10.2
LG	1,000 × 600	165	242	31	45.6	48.4	10.2
LI	1,000 × 800	187	264	40	45.6	48.4	11.0
LL	1,000 × 1,000	287	375	66	55.1	56.7	11.0
NL	1,250 × 1,000	309	397	66	55.1	56.7	11.0
NN	1,250 × 1,250	375	480	77	65.0	66.1	11.0
RN	1,500 × 1,250	441	547	77	65.0	66.1	11.0
RR	1,500 × 1,500	507	628	88	65.0	66.1	11.0
WR	2,000 × 1,500	595	738	88	84.6	74.8	11.0

# IFXS4 Hazardous Area Specifications

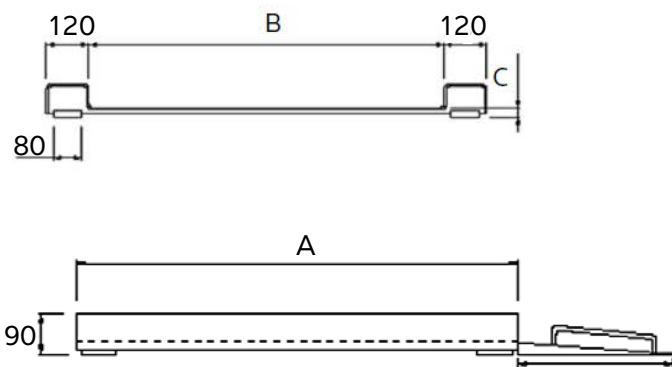
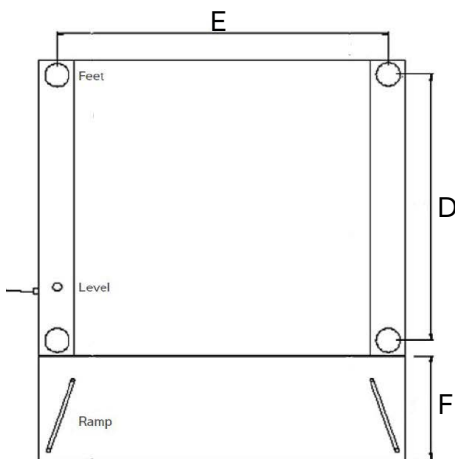
Factory Mutual	Approval Rating
	<p>USA (FM): IS CL I, II, III, DIV 1, 2, GP A,B,C,D,E,F,G T4</p> <p>Canada (CSA): Ex ia CL I,II,III, DIV 1, 2, GP A,B,C,D,E,F,G T4 zone 1, Ex ib IIC T4 zone 20 DIV 2: Ta = 50°C</p>



## General Specifications

Parameters	Description
IFP4 standard construction	Powder coated steel (color RGB 146,142,133) Dust and water protection class IP65
IFS4 standard construction	Bead blasted stainless steel 1.4301 (304) Dust and water protection class IP68
IFXS4 standard construction	Bead blasted stainless steel 1.4301 (304) Dust and water protection class IP68
Platform cable length	20 feet, included with platform
Operating temperature	-10° to 40° C / 14° to 104° F
Storage temperature	-10° to 40° C / 14° to 104° F
Weighing elements	Four C3 analog load cells
Resolution (standard product)	30,000 divisions
Resolution (using T10 or T16 lift options)	15,000 divisions

## Dimension Detail



Dimension	GG	IG	II	LG	LI	LL	NL	NN	RN	RR	WR
A (mm)	600	600	800	1,000	1,000	1,000	1,250	1,250	1,500	1,500	2,000
B (mm)	600	600	800	600	800	1,000	1,000	1,250	1,250	1,500	1,500
C (mm)	25	25	25	25	25/35*	25/35/45*	25/35/45*	25/35/45*	35/45*	35/45*	35/45*
D (mm)	500	700	700	900	900	900	1,150	1,150	1,400	1,400	1,900
E (mm)	720	720	920	720	920	1,120	1,120	1,370	1,370	1,620	1,620
F (350 mm)	✓	✓	✓	✓	✓	✓<3000 kg	✓<3000 kg	✓<3000 kg	✓<3000 kg	✓<1000 kg	✓<1000 kg
F (500 mm)	-	-	-	-	-	✓=3000 kg	✓=3000 kg	✓=3000 kg	✓=3000 kg	✓>600 kg	✓>600 kg

\* Platform deck height dependent on scale capacity

The technical data given serves as a product description only and should not be understood as guaranteed properties in the legal sense.

Specifications subject to change without notice.  
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