

Developed for demanding and harsh environments



Minimized environmental impact

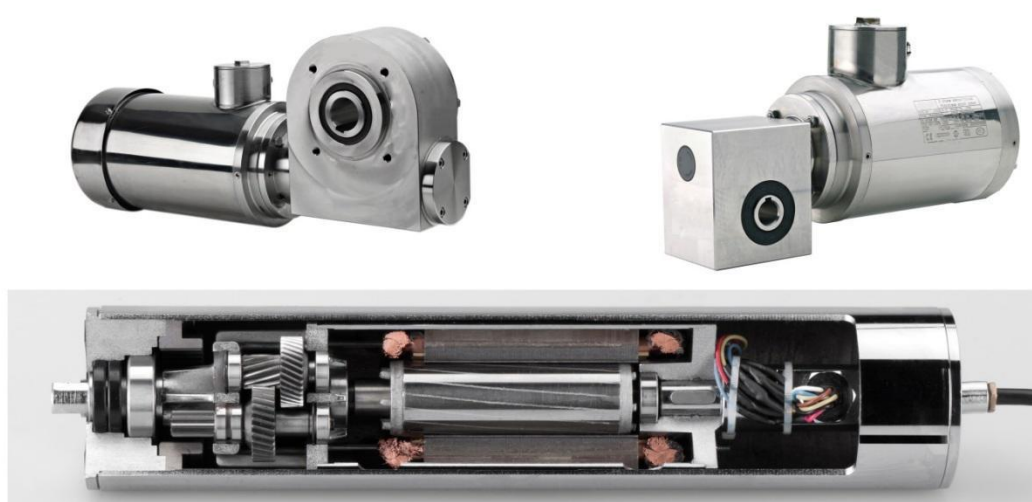
Ecological sustainability

Lower operating cost

Improved welfare

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Risk Management for the processing industry

Sigmabelt is provider of hygienic machine parts for advanced machine systems for food processing, drug production, medical equipment, animal welfare and training industry, oils and gas industry, packaging machinery, meat & poultry processing equipment, Dairy processing machines, etc.

Sigmabelt adopt continuously new technologies to ensure the leading position in development and design of cutting edge machine parts

It takes attention to many details to create a profitable processing business, including the freshness of ingredients, the right equipment and a dedicated, service-oriented workforce.



All processing businesses depend heavily on their equipment, much of which is highly automated. Imagine what would happen to a food business if the refrigeration were not working properly. When a mechanical failure takes place, the business often must close and face a loss of income.

Equipment Risk Management and do not compromise the food safety on your machinery and avoid down time on your food processing machinery. Use cutting edge hygienic machinery parts, such as IP67 waterproof bearing unit and stainless levelling feet with FDA certificate and design according to 3A and EHEDG regulation

Hygienic machine feet

Our machine feet series are designed for the industries where continuously heavier demands on the material resistance and a design for easy-to-clean. Industries like: Medical equipment, Food & drug processing equipment, Packaging machinery, 3A design-meat & poultry processing equipment, Dairy processing machines

Features and advantages of our extra hygienic machine feet and stainless feet:

The spindles are smooth at the end towards the base and the threads are protected by a holster to ensure easy cleaning

Features and advantages of our sealed hygienic machine feet and stainless feet:

The spindle and base are sealed with silicone Oval-ring

The holster is sealed with silicone O-ring to the smooth end of the spindle and is sealed to the mounting plate with silicone Oval-ring

These features make our sealed hygienic feet comply with 3A and EHEDG requirements



Machine feet material

Base plate Stainless steel 304 (Aisi 1.4301) or 316L (Aisi 1.4404)

Spindle Stainless steel A2-70 or A4-70

Rubber base NBR Rubber (Nitrile rubber CAS no. 9005-98-5)

FDA Certificate according to FDA CFR 21 177 2600

All materials are highly resistant to chemicals and commonly applied cleaning agents and to resistant oils and fats.

HMF hygienic machine feet

HMF hygienic machine feet have a rounded, hygienic design which makes it easy to clean and suitable for demanding sanitary applications.

HMF Base	HMF 40	HMF 60	HMF 80	HMF 100	HMF 120	HMF 140
Base Diameter D	40 mm	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height A	24 mm	24 mm	28 mm	32 mm	36 mm	40 mm
Nom. Load	5.000 N	7.000 N	15.000 N	20.000 N	25.000 N	30.000 N



HMF Base with lock eye	HMF 61	HMF 81	HMF 101	HMF 121	HMF 141
Base Diameter D	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height A	24 mm	28 mm	32 mm	36 mm	40 mm
Lock eye hole from center G	45 mm	58 mm	68 mm	83 mm	93 mm
Lock eye hole diameter E	13 mm	15 mm	17 mm	19 mm	21 mm
Nom. Load	7.000 N	15.000 N	20.000 N	25.000 N	30.000 N

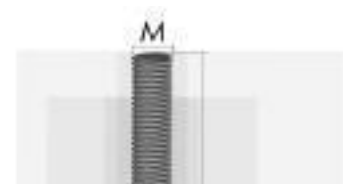


HMF hygienic machine feet are provided with FDA certificate (FDA CFR 21 177 2600) with unique batch ID number for food safety traceability.

HMF spindle threads	M12	M16	M20	M24	M30	M36	
Tool 1	10 mm	13 mm	17 mm	19 mm	24 mm	30 mm	
HMF Spindle (L) length							
50 mm	70 mm	100 mm	120 mm	150 mm	180 mm	200 mm	230 mm

For other threaded spindle length (L), please contact us
Threads in inch is available upon request

HMF hygienic machine feet can cope with up to 10 degree slopes on floors and equipment.



EHMF Extra hygienic machine feet

The spindles are smooth at the end towards the base and the threads are protected by a holster to ensure easy cleaning. The holster also functions as a nut.

EHMF Base	EHMF 40	EHMF 60	EHMF 80	EHMF 100	EHMF 120	EHMF 140
Base Diameter D	40 mm	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height A	24 mm	24 mm	28 mm	32 mm	36 mm	40 mm
Nom. Load	5.000 N	7.000 N	15.000 N	20.000 N	25.000 N	30.000 N



EHMF Base with lock eye	EHMF 61	EHMF 81	EHMF 101	EHMF 121	EHMF 141
Base Diameter D	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height A	26 mm	28 mm	32 mm	36 mm	40 mm
Lock eye hole from center G	45 mm	58 mm	68 mm	83 mm	93 mm
Lock eye hole diameter E	13 mm	15 mm	17 mm	19 mm	21 mm
Nom. Load	7.000 N	15.000 N	20.000 N	25.000 N	30.000 N



EHMF extra hygienic machine feet are provided with FDA certificate (FDA CFR 21 177 2600) with unique batch ID number for food safety traceability.

EHMF Spindle	M16	M20	M24	M30	M36
Tool 1	13 mm	17 mm	19 mm	24 mm	30 mm

EHMF Standard Holster Length (H)

EHMF Holster	M16	M20	M24	M30	M36
Tool 2	19 mm	24 mm	27 mm	36 mm	42 mm

EHMF Spindle (L) and Holster (H) Length

L=140 mm	H=55 mm	Adjustable height Min 80 mm – Max 120 mm
L=180 mm	H=75 mm	Adjustable height Min 100 mm – Max 160 mm
L=220 mm	H=95 mm	Adjustable height Min 120 mm – Max 200 mm



For other threaded spindle length (L), please contact us
Threads in inch is available upon request



EHMF extra hygienic machine feet have a rounded, hygienic design which makes it easy to clean and suitable for demanding sanitary applications.

EHMF extra hygienic machine feet can cope with up to 10 degree slopes on floors and equipment.

SHMF Sealed hygienic machine feet

The spindle and base are sealed with silicone Oval-ring. The holster is sealed with silicone O-ring to the smooth end of the spindle and is sealed to the mounting plate with silicone Oval-ring.

SHMF Base	SHMF 40	SHMF 60	SHMF 80	SHMF 100	SHMF 120	SHMF 140
Base Diameter D	40 mm	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height A	24 mm	24 mm	28 mm	32 mm	36 mm	40 mm
Nom. Load	5.000 N	7.000 N	15.000 N	20.000 N	25.000 N	30.000 N

SHMF Base with lock eye	SHMF 61	SHMF 81	SHMF 101	SHMF 121	SHMF 141
Base Diameter D	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height A	26 mm	28 mm	32 mm	36 mm	40 mm
Lock eye hole from center G	45 mm	58 mm	68 mm	83 mm	93 mm
Lock eye hole diameter E	13 mm	15 mm	17 mm	19 mm	21 mm
Nom. Load	7.000 N	15.000 N	20.000 N	25.000 N	30.000 N



SHMF sealed hygienic machine feet are provided with FDA certificate (FDA CFR 21 177 2600) with unique batch ID number for food safety traceability. SHMF comply with 3A and EHEDG regulation.

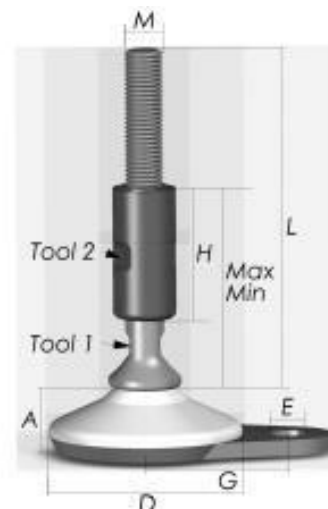
SHMF Spindle	M16	M20	M24	M30	M36
Tool 1	13 mm	17 mm	19 mm	24 mm	30

SHMF Standard Holster Length (H)

EHMF Holster	M16	M20	M24	M30	M36
Tool 2	19 mm	24 mm	27 mm	36 mm	42

SHMF Spindle (L) and Holster (H) Length

L=140 mm	H=55 mm	Adjustable height Min 80 mm – Max 120 mm
L=180 mm	H=75 mm	Adjustable height Min 100 mm – Max 160 mm
L=220 mm	H=95 mm	Adjustable height Min 120 mm – Max 200 mm



For other threaded spindle length (L), please contact us
Threads in inch is available upon request

The spindles are smooth at the end towards the base and the threads are protected by a holster to ensure easy cleaning. The holster also functions as a nut.



SHMF sealed hygienic machine feet have a rounded, hygienic design which makes it easy to clean and suitable for demanding sanitary applications. SHMF sealed hygienic machine feet can cope with up to 10 degree slopes on floors and equipment.

HSF Hygienic stainless feet

HSF hygienic stainless feet have a rounded, hygienic design which makes it easy to clean and suitable for demanding sanitary applications.

HSF Base	HSF 60	HSF 80	HSF 100	HSF 120	HSF 140
Base Diameter D	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height A with rubber	30 mm	30 mm	35 mm	40 mm	45 mm
Base Height B without rubber	25 mm	25 mm	30 mm	35 mm	40 mm

HSF Base with lock eye		HSF 81	HSF 101	HSF 121	HSF 141
Base Diameter D		80 mm	100 mm	120 mm	140 mm
Base Height A with rubber		30 mm	35 mm	40 mm	45 mm
Base Height B without rubber		25 mm	30 mm	35 mm	40 mm
Lock eye hole diameter E		11 mm	13 mm	17 mm	21 mm

Nominal load depend on the spindle threads

For rubber pad, suffix "R" is added to numbers. ex.: HSF-M16-L150-R

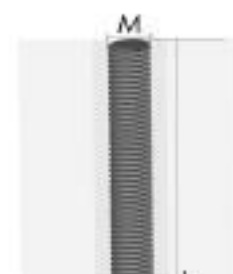
HSF Spindle M12	M16	M20	M24	M30	M36
Tool 1 10 mm	13 mm	17 mm	19 mm	24 mm	30 mm
HSF Spindle (L) Length					
50 mm 70 mm	100 mm	120 mm	150 mm	180 mm	200 mm 230 mm

For other threaded spindle length (L), please contact us

Threads in inch is available upon request

The base can be fitted with a FDA approved rubber pad for vibration reduction

HSF hygienic stainless feet can cope with up to 10 degree slopes on floors and equipment.



EHSF Extra hygienic stainless feet

The spindles are smooth at the end towards the base and the threads are protected by a holster to ensure easy cleaning. The holster also functions as a nut.

EHSF Base	EHSF 60	EHSF 80	EHSF 100	EHSF 120	EHSF 140
Base Diameter D	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height with rubber	30 mm	30 mm	35 mm	40 mm	45 mm
Base Height without rubber	25 mm	25 mm	30 mm	35 mm	40 mm

EHSF Base with lock eye		EHSF 81	EHSF 101	EHSF 121	EHSF 141
Base Diameter D		80 mm	100 mm	120 mm	140 mm
Base Height with rubber		30 mm	35 mm	40 mm	45 mm
Base Height without rubber		25 mm	30 mm	35 mm	40 mm
Lock eye hole diameter E		11 mm	13 mm	17 mm	21 mm



Nominal load depend on the spindle threads

For rubber pad, suffix "R" is added to numbers. ex.: EHSF-M16-L140-R

EHSF extra hygienic stainless feet have a rounded, hygienic design which makes it easy to clean and suitable for demanding sanitary applications.

EHSF Spindle	M16	M20	M24	M30	M36
Tool 1	13 mm	17 mm	19 mm	24 mm	30
mm					

EHSF Standard Holster Length (H)

EHSF Holster	M16	M20	M24	M30	M36
Tool 2	19 mm	24 mm	27 mm	36 mm	42
mm					

EHSF Spindle (L) and Holster (H) Length

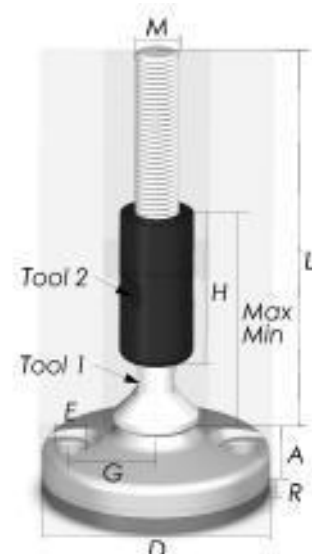
L=140 mm	H=55 mm	Adjustable height Min 80 mm – Max 120 mm
L=180 mm	H=75 mm	Adjustable height Min 100 mm – Max 160 mm
L=220 mm	H=95 mm	Adjustable height Min 120 mm – Max 200 mm

For other threaded spindle length (L), please contact us

Threads in inch is available upon request

The base can be fitted with a FDA approved rubber pad for vibration reduction

EHSF extra hygienic stainless feet can cope with up to 10 degree slopes on floors and equipment.



SHSF Sealed hygienic stainless feet

The spindles are smooth at the end towards the base and the threads are protected by a holster to ensure easy cleaning. The holster also functions as a nut.

SHSF Base	SHSF 60	SHSF 80	SHSF 100	SHSF 120	SHSF 140
Base Diameter D	60 mm	80 mm	100 mm	120 mm	140 mm
Base Height with rubber	30 mm	30 mm	35 mm	40 mm	45 mm
Base Height without rubber	25 mm	25 mm	30 mm	35 mm	40 mm

SHSF Base with lock eye		SHSF 81	SHSF 101	SHSF 121	SHSF 141
Base Diameter D		80 mm	100 mm	120 mm	140 mm
Base Height with rubber		30 mm	35 mm	40 mm	45 mm
Base Height without rubber		25 mm	30 mm	35 mm	40 mm
Lock eye hole diameter E		11 mm	13 mm	17 mm	21 mm



Nominal load depend on the spindle threads

For rubber pad, suffix "R" is added to numbers. ex.: SHSF-M16-L140-R

SHSF sealed hygienic stainless feet have a rounded, hygienic design which makes it easy to clean and suitable for demanding sanitary applications. SHSF comply with 3A and EHEDG regulation.

SHSF Spindle	M16	M20	M24	M30	M36
Tool 1	13 mm	17 mm	19 mm	24 mm	30
mm					

SHSF Standard Holster Length (H)

EHMF Holster	M16	M20	M24	M30	M36
Tool 2	19 mm	24 mm	27 mm	36 mm	42
mm					

SHSF Spindle (L) and Holster (H) Length

L=140 mm	H=55 mm	Adjustable height Min 80 mm – Max 120 mm
L=180 mm	H=75 mm	Adjustable height Min 100 mm – Max 160 mm
L=220 mm	H=95 mm	Adjustable height Min 120 mm – Max 200 mm

For other threaded spindle length (L), please contact us

Threads in inch is available upon request



The spindle and base are sealed with silicone Oval-ring. The holster is sealed with silicone O-ring to the smooth end of the spindle and is sealed to the mounting plate with silicone Oval-ring
The base can be fitted with a FDA approved rubber pad for vibration reduction
SHSF sealed hygienic stainless feet can cope with up to 10 degree slopes on floors and equipment.

Levelling and machine support parts



Hygienic Stainless Steel machinery mounts specifically configured to meet the equipment needs for food, drug and medical industries. Our machinery mounts meet FDA and USDA standards.



Hygienic Stainless Steel machinery mounts meet the strict criteria and regulation requirements for food and drug processing equipment.

The Aisi 304 stainless steel provides high corrosion resistance.

Welding plate for Machine feet and Stainless feet

Welding plate for square tubes

Square Welding Plate					
Thread diameter	10 mm	12 mm	16 mm	20 mm	24 mm
Plate size A x B	Plate thickness				
25 x 25 mm	3mm				
30 x 30 mm	3mm	3mm			
35 x 35 mm	3mm	3mm	4mm		
40 x 40 mm	3mm	3mm	4mm	4mm	
45 x 45 mm	3mm	3mm	4mm	4mm	
50 x 50 mm	4mm	4mm	4mm	4mm	5mm
60 x 60 mm			5mm	5mm	5mm
70 x 70 mm			5mm	5mm	5mm
80 x 80 mm			5mm	5mm	5mm
100 x 100 mm			5mm	5mm	5mm



Welding plate for Machine feet and Stainless feet for rectangular tubes

Rectangular Welding Plate					
Thread diameter	10 mm	12 mm	16 mm	20 mm	24 mm
Plate size A x B	Plate thickness				
50 x 25 mm	3mm	3mm			
50 x 30 mm	3mm	3mm	4mm		
60 x 30 mm		3mm	4mm		
60 x 40 mm		3mm	4mm	4mm	5mm
80 x 40 mm			4mm	4mm	5mm
80 x 50 mm			4mm	4mm	5mm
80 x 60 mm			5mm	5mm	5mm
100 x 50 mm			5mm	5mm	5mm



Welding plate for Machine feet and Stainless feet for round tubes

Round Welding Plate					
Thread diameter	10 mm	12 mm	16 mm	20 mm	24 mm
Plate diameter OD	Plate thickness				
OD 33 mm	3mm	3mm			
OD 38 mm	3mm	3mm	4mm		
OD 40 mm	3mm	3mm	4mm		
OD 43 mm	3mm	3mm	4mm	4mm	
OD 50 mm	4mm	4mm	4mm	4mm	5mm
OD 60 mm			5mm	5mm	5mm



Welding plate material description:

Stainless steel 304 (Aisi 1.4301) or 316L (Aisi 1.4404)

Threaded plastic bushings with brass inserts

Threaded plastic bushings for square tubes

Threaded plastic bushings for square tubes					
Thread diameter	10 mm	12 mm	16 mm	20 mm	24 mm
Insert size A x B	Internal square size				
25 x 25 mm x 1,5mm	22,5 mm	22,5 mm			
30 x 30 mm x 1,5mm	27,5 mm	27,5 mm	27,5 mm		
35 x 35 mm x 1,5mm	32,5 mm	32,5 mm	32,5 mm	32,5 mm	
40 x 40 mm x 1,5mm	37,5 mm	37,5 mm	37,5 mm	37,5 mm	
40 x 40 mm x 2,0mm	36,5 mm	36,5 mm	36,5 mm	36,5 mm	36,5 mm
50 x 50 mm x 2,0mm	46,5 mm	46,5 mm	46,5 mm	46,5 mm	46,5 mm
50 x 50 mm x 2,5mm	45,5 mm	45,5 mm	45,5 mm	45,5 mm	45,5 mm



Threaded plastic bushings for round tubes

Threaded plastic bushings for round tubes					
Thread diameter	10 mm	12 mm	16 mm	20 mm	24 mm
Insert diameter OD	Internal diameter				
OD 33 mm x 1,5mm	30,5 mm	30,5 mm	30,5 mm		
OD 38 mm x 1,5mm	35,5 mm	35,5 mm	35,5 mm		
OD 43 mm x 1,5mm	40,5 mm	40,5 mm	40,5 mm	40,5 mm	
OD 48 mm x 1,5mm	45,5 mm	45,5 mm	45,5 mm	45,5 mm	
OD 50 mm x 1,5mm		47,5 mm	47,5 mm	47,5 mm	
OD 60 mm x 1,5mm			57,5 mm	57,5 mm	57,5 mm
OD 60 mm x 2,0mm			56,5 mm	56,5 mm	56,5 mm
OD 60 mm x 2,5mm			55,5 mm	55,5 mm	55,5 mm



Material: polyamide reinforced with fiberglass.

Threaded insert in brass or nickel plated steel

Tripod and Bipod

Specification:

Tube ID 48.2mm

Tube ID 50.9mm

Tube ID 60.3mm

Material: PA

Colour: Black



For other sizes and types, please contact us

Castor with stainless steel brackets and bearings

Stainless castors are exposed to extreme weather conditions that they have to withstand day in and day out.



In other sectors, such as in the food processing industry or in packaging industry, they must be washable at high temperatures in order to meet stringent hygiene requirements.

Our stainless castors are particularly well protected against external influences, like, moisture, temperature fluctuations and inevitably rust has no effect on the castor.

The perfect workmanship makes them impervious to damp, and also to salt, oil and cleaning agents.

Our stainless steel castors are available as fixed castor, swivel castor, swivel castor with total lock.

Stainless castor with wheel center made of Polyamide and Tread with elastic-tire

Swivel castor with total lock, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, Tread: elastic-tire, non-marking, plain bearing (Stainless).
Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	SE10GN080BD-Q	SE10GN100BD-Q	SE10GN125BD-Q
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	35 mm	36 mm	36 mm
Offset	34 mm	34 mm	32 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	222 mm	236 mm	248 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.607 kg	0.739kg	0.8898 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Swivel tail end of castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.



	SE10GN080BD	SE10GN100BD	SE10GN125BD
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	35 mm	36 mm	36 mm
Offset	34 mm	34 mm	32 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	148 mm	168 mm	190 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.587 kg	0.699kg	0.7878 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Hardness of tread: Shore A 65

Working Temperature: -30 / +80 °C

Standard: EN12532

Also available with wheel diameter of 160mm and 200mm

Stainless castor with wheel center made of Polyamide and Tread with elastic-tire

Fixed castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, Tread: elastic-tire, non-marking, plain bearing (Stainless).
Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	S010GN080BD	S010GN100BD	S010GN125BD
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	35 mm	36 mm	36 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.447 kg	0.500kg	0.7638 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Hardness of tread: Shore A 65

Working Temperature: -30 / +80 °C

Standard: EN12532

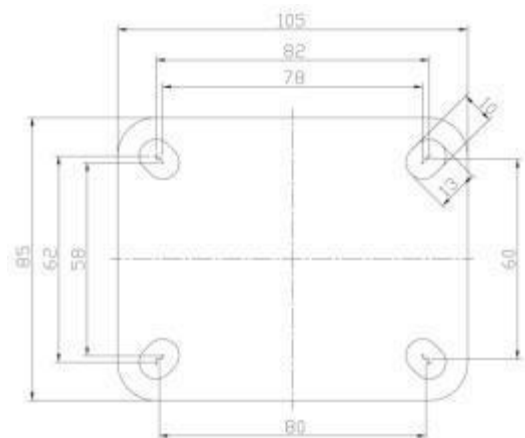
Also available with wheel diameter of 160mm and 200mm

Size of plate: 105 x 85 mm

Plate hole centre: 78/82 x 58/62 mm

Plate hole: 10 x 13 mm

Material stainless steel Aisi 1.4301



Mounting bracket plate

Stainless castor with wheel center made of Polyamide and Tread with elastic-tire

Swivel castor with total lock, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, Tread: elastic-tire, non-marking, plain bearing (Stainless)

Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	S010GN080BD-Q -B13	S010GN100BD-Q -B13	S010GN125BD-Q -B13
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	35 mm	36 mm	36 mm
Offset	38 mm	38 mm	41 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	222 mm	238 mm	268 mm
Overall height	103 mm	126 mm	154 mm
Weight	0.785 kg	0.7629 kg	0.9458 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Swivel tail end of castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.



	S010GN080BD -B13	S010GN100BD -B13	S010GN125BD -B13
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	35 mm	36 mm	36 mm
Offset	38 mm	38 mm	41 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	156 mm	176 mm	207 mm
Overall height	103 mm	126 mm	154 mm
Weight	0.725 kg	0.6949 kg	0.8398 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Hardness of tread: Shore A 65

Working Temperature: -30 / +80 °C

Standard: EN12532

Centre mounting hole: 13mm

Material stainless steel Aisi 1.4301

Stainless castor with wheel center made of Polyamide and Tread with Polyurethane

Swivel castor with total lock, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, Tread: Polyurethane, purple, plain bearing (Stainless).

Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	SE10TU080RF-Q	SE10TU100RF-Q	SE10TU125RF-Q
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	30 mm	36 mm	37 mm
Offset	34 mm	34 mm	32 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	222 mm	236 mm	248 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.5776 kg	0.785kg	0.8596 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Swivel tail end of castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.



	SE10TU080RF	SE10TU100RF	SE10TU125RF
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	30 mm	36 mm	37 mm
Offset	34 mm	34 mm	32 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	148 mm	168 mm	190 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.5576 kg	0.742kg	0.7576 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Hardness of tread: Shore D 48

Working Temperature: -25 / +70 °C

Standard: EN12532

Also available with wheel diameter of 160mm and 200mm

Stainless castor with wheel center made of Polyamide and Tread with Polyurethane

Fixed castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, Tread: Polyurethane, purple, plain bearing (Stainless).
Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	S010TU080RF	S010TU100RF	S010TU125RF
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	30 mm	36 mm	37 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.4176 kg	0.5316 kg	0.7336 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Hardness of tread: Shore D 48

Working Temperature: -25 / +70 °C

Standard: EN12532

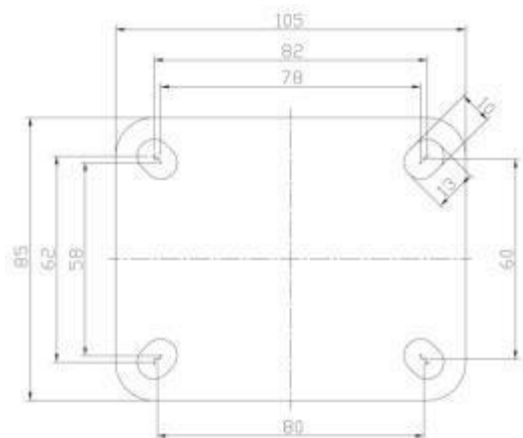
Also available with wheel diameter of 160mm and 200mm

Size of plate: 105 x 85 mm

Plate hole center: 78/82 x 58/62 mm

Plate hole: 10 x 13 mm

Material stainless steel Aisi 1.4301



Mounting bracket plate

Stainless castor with wheel center made of Polyamide and Tread with Polyurethane

Swivel castor with total lock, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, Tread: Polyurethane, purple, plain bearing (Stainless).

Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	S010TU080RF-Q -B13	S010TU100RF-Q -B13	S010TU125RF-Q -B13
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	30 mm	36 mm	37 mm
Offset	38 mm	38 mm	41 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	222 mm	238 mm	268 mm
Overall height	103 mm	126 mm	154 mm
Weight	0.6376 kg	0.7746 kg	0.9156 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Swivel tail end of castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.



	S010TU080RF -B13	S010TU100RF -B13	S010TU125RF -B13
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	30 mm	36 mm	37 mm
Offset	38 mm	38 mm	41 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	156 mm	176 mm	207 mm
Overall height	103 mm	126 mm	154 mm
Weight	0.5856 kg	0.7066 kg	0.8096 kg
Load capacity	200 kg	150 kg	200 kg
Load capacity (static)	400 kg	300 kg	400 kg

Hardness of tread: Shore D 48

Working Temperature: -25 / +70 °C

Standard: EN12532

Plate mounting hole: 13mm

Material stainless steel Aisi 1.4301

Stainless castor with wheel center and Tread with Polyamide

Swivel castor with total lock, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, plain bearing (Stainless).

Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	SE10NY080PF-Q	SE10NY100PF-Q	SE10NY125PF-Q
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	32 mm	36 mm	36 mm
Offset	34 mm	34 mm	32 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	222 mm	236 mm	248 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.719kg	0.701kg	0.8098 kg
Load capacity	200 kg	200 kg	200 kg
Load capacity (static)	400 kg	400 kg	400 kg

Swivel tail end of castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.



	SE10NY080PF	SE10NY100PF	SE10NY125PF
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	32 mm	36 mm	36 mm
Offset	34 mm	34 mm	32 mm
Swivel Radius	74 mm	84 mm	95 mm
Swivel Interference	148 mm	168 mm	190 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.589kg	0.661kg	0.7078 kg
Load capacity	200 kg	200 kg	200 kg
Load capacity (static)	400 kg	400 kg	400 kg

Hardness of tread: Shore D 75

Working Temperature: -40 / +80 °C

Standard: EN12532

Also available with wheel diameter of 160mm and 200mm

Stainless castor with wheel center and Tread with Polyamide

Fixed castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, plain bearing (Stainless).

Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	S010NY080PF	S010NY100PF	S010NY125PF
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	32 mm	36 mm	37 mm
Overall height	105 mm	128 mm	156 mm
Weight	0.3788 kg	0.500kg	0.6838 kg
Load capacity	200 kg	200 kg	200 kg
Load capacity (static)	400 kg	400 kg	400 kg

Hardness of tread: Shore D 75

Working Temperature: -40 / +80 °C

Standard: EN12532

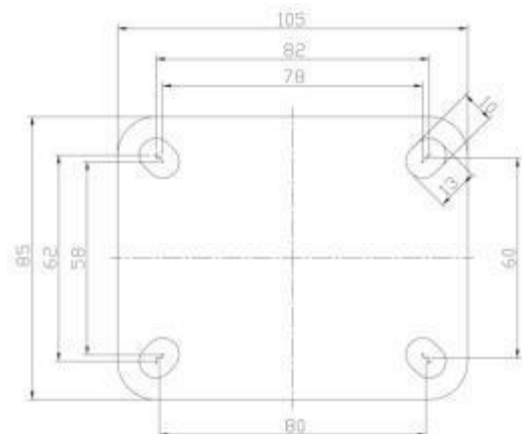
Also available with wheel diameter of 160mm and 200mm

Size of plate: 105 x 85 mm

Plate hole centre: 78/82 x 58/62 mm

Plate hole: 10 x 13 mm

Material stainless steel Aisi 1.4301



Mounting bracket plate

Stainless castor with wheel center and Tread with Polyamide

Swivel castor with total lock, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.

Wheel center made of Polyamide, plain bearing (Stainless).

Also supplied with roller bearing (Stainless) or precision ball bearing (Stainless), sealed.



	S010NY080PF-Q -B13	S010NY100PF-Q -B13	S010NY125PF-Q -B13
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	32 mm	36 mm	37 mm
Offset	38 mm	38 mm	41 mm
Swivel Radius	74 mm	88 mm	103.5 mm
Swivel Interference	223 mm	238 mm	268 mm
Overall height	103 mm	126 mm	154 mm
Weight	0.72kg	0.836kg	0.8658 kg
Load capacity	200 kg	200 kg	200 kg
Load capacity (static)	400 kg	400 kg	400 kg

Swivel tail end of castor, bracket made of Stainless Steel, double ball bearing swivel head, wheel axle with nut, plate fitting.



	S010NY080PF -B13	S010NY100PF -B13	S010NY125PF -B13
Technical Data	°C / mm / kg	°C / mm / kg	°C / mm / kg
Wheel diameter	80 mm	100 mm	125 mm
Width of Tread	32 mm	36 mm	37 mm
Offset	38 mm	38 mm	41 mm
Swivel Radius	74 mm	88 mm	103.5 mm
Swivel Interference	148 mm	176 mm	207 mm
Overall height	103 mm	126 mm	154 mm
Weight	0.615kg	0.696kg	0.7598 kg
Load capacity	200 kg	200 kg	200 kg
Load capacity (static)	400 kg	400 kg	400 kg

Hardness of tread: Shore D 75

Working Temperature: -40 / +80 °C

Standard: EN12532

Plate mounting hole: 13mm

Material stainless steel Aisi 1.4301

Waterproof bearing units IP67

Our IP67 bearing units are designed for industries with continuously heavier demands on the material resistance and a design for easy-to-clean. In order to reduce the risk of bacteria growth, this design is characterized by smooth surfaces and rounded corners.

IP67 bearing units comply with 3A and EHEDG regulation

The protection class is IP67 which ensure that the bearing units can be cleaned high pressure water from all directions. An oil seal ring with a stainless steel spring ensures that water cannot penetrate the housing. The bearings are maintenance free and resistant to all cleaning agents and to most chemicals.

IP67 F-type



IP67 FL-type



IP67 P-type



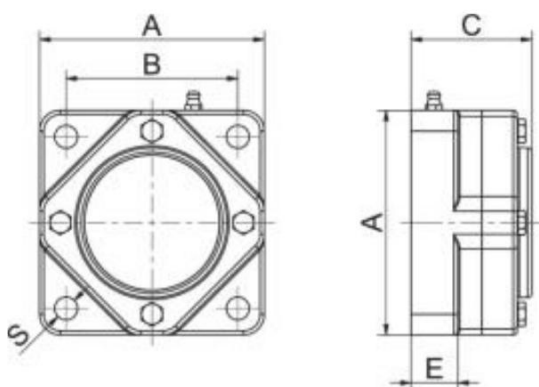
IP67 PA-type



Features and advantages of our IP67 bearing units:

- /// Compact and strong bearing housing base, with the cover bolted to the base.
- /// The bearing housing is made by Dupolit, which is of extreme stability and strength.
- /// Stainless grease nipple for optimal food grade grease filling, preventing condensation in the housing.
- /// The bearing housing is fitted with a spherical lifetime lubricated ball bearing with eccentric locking collar.
- /// The spherical bearing is self-aligning.
- /// The bearing housing measurements are similar to market standards for easy replacement.
- /// The bearing housing can be mounted in all angles
- /// The stainless spherical insert bearings for an easy and precise assembly
- /// The bearing housing is heat resistant from -30°C to +100°C
- /// The bearing inserts are lubricated with NSF H1 registered grease that meets requirements DIN 51825
- /// The bearing units are USDA accepted and meets the NSF/ANSI/3-A 14159-1-2010 standard
- /// Food grade according to the framework of regulation (EC) No. 1935/2004
- /// Possibility for private label

Waterproof 4 hole square flange bearing units with spherical inserts IP67 F-type



The construction permits a misalignment of the bearing, of up to $\pm 3^\circ$

IP67 F shaft size	Catalogue No. closed cover	Catalogue No. open cover	A	B	C	E	S	Weight (kg)
Ø20 mm	IP67 F204 CC	IP67 F204 OC	86.0	63.5	51.0	22.5	9.0	0.52
Ø25 mm	IP67 F205 CC	IP67 F205 OC	95.0	70.0	52.0	22.5	9.0	0.63
Ø30 mm	IP67 F206 CC	IP67 F206 OC	108.0	82.5	58.0	22.5	11.0	0.91
Ø35 mm	IP67 F207 CC	IP67 F207 OC	118.0	92.0	60.0	22.5	13.5	1.10
Ø40 mm	IP67 F208 CC	IP67 F208 OC	130.0	101.5	65.0	22.5	13.5	1.50
Ø50 mm	IP67 F210 CC	IP67 F210 OC	143.0	111.0	70.0	26.5	16.0	1.84
Ø60 mm	IP67 F212 CC	IP67 F212 OC	175.0	143.0	82.0	28.5	18.0	3.09

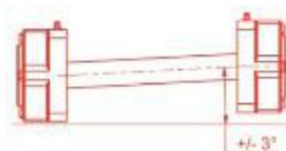
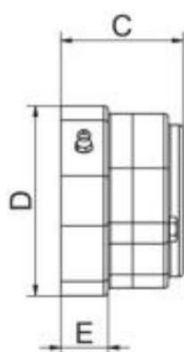
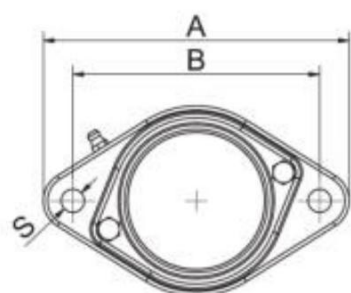
All measurements in millimetres. When ordering please use the catalogue no.

Technical specifications for spherical stainless insert

Technical specifications	IP67 SSA 20	IP67 SSA 25	IP67 SSA 30	IP67 SSA 35	IP67 SSA 40	IP67 SSA 50	IP67 SSA 60
Shaft dia. (mm)	20.00	25.00	30.00	35.00	40.00	50.00	60.00
Weight (kg)	0.24	0.31	0.49	0.64	0.89	1.07	1.78
Cr (kN)	9.88	10.78	14.97	19.75	22.71	25.57	42.00
Cor (kN)	6.20	6.98	10.04	13.67	15.94	23.20	30.00

m (mass); Cr (basic dynamic load, radial); Cor (basic static load, radial)

Waterproof 2 hole oval flange bearing units with spherical inserts IP67 FL-type



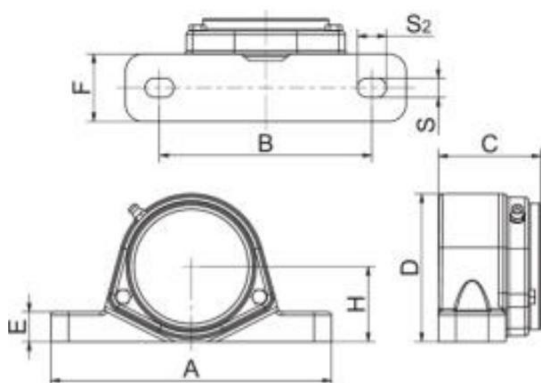
The construction permits a misalignment of the bearing, of up to $\pm 3^\circ$

IP67 FL shaft size	Catalogue No. closed cover	Catalogue No. open cover	A	B	C	D	E	S	Weight (kg)
Ø20 mm	IP67 FL204 CC	IP67 FL204 OC	116.0	90.0	51.0	75.0	22.5	9.0	0.43
Ø25 mm	IP67 FL205 CC	IP67 FL205 OC	123.0	99.0	52.0	79.0	22.5	9.0	0.51
Ø30 mm	IP67 FL206 CC	IP67 FL206 OC	145.0	117.0	58.0	90.0	22.5	11.0	0.77
Ø35 mm	IP67 FL207 CC	IP67 FL207 OC	160.0	130.0	60.0	99.0	22.5	13.5	0.99
Ø40 mm	IP67 FL208 CC	IP67 FL208 OC	174.0	144.0	65.0	110.0	22.5	13.5	1.30
Ø50 mm	IP67 FL210 CC	IP67 FL210 OC	197.0	157.0	70.0	126.0	26.5	17.5	1.60
Ø60 mm	IP67 FL212 CC	IP67 FL212 OC	250.0	202.0	82.0	152.0	28.5	22.0	2.82
All measurements in millimetres. When ordering please use the catalogue no.									

Technical specifications for spherical stainless insert

Technical specifications	IP67 SSA 20	IP67 SSA 25	IP67 SSA 30	IP67 SSA 35	IP67 SSA 40	IP67 SSA 50	IP67 SSA 60
Shaft dia. (mm)	20.00	25.00	30.00	35.00	40.00	50.00	60.00
Weight (kg)	0.24	0.31	0.49	0.64	0.89	1.07	1.78
Cr (kN)	9.88	10.78	14.97	19.75	22.71	25.57	42.00
Cor (kN)	6.20	6.98	10.04	13.67	15.94	23.20	30.00
m (mass); Cr (basic dynamic load, radial); Cor (basic static load, radial)							

Waterproof 2 hole pillow block bearing units with spherical inserts IP67 P-type



The construction permits a misalignment of the bearing, of up to $\pm 3^\circ$

IP67 P shaft size	Catalogue No. closed cover	Catalogue No. open cover	A	B	C	D	E	F	H	S	S2	Weig ht (kg)
Ø20 mm	IP67 P204 CC	IP67 P204 OC	127	95	52.0	67.0	14.0	33.5	33.3	9.0	13.5	0.43
Ø25 mm	IP67 P205 CC	IP67 P205 OC	140	105	53.0	73.0	15.0	34.5	36.5	9.0	13.5	0.51
Ø30 mm	IP67 P206 CC	IP67 P206 OC	160	121	59.0	85.0	17.0	38.5	42.9	11.0	16.5	0.77
Ø35 mm	IP67 P207 CC	IP67 P207 OC	167	127	60.0	93.0	18.0	38.5	47.5	13.0	19.5	0.99
Ø40 mm	IP67 P208 CC	IP67 P208 OC	184	137	66.0	100.0	18.0	42.5	49.2	13.0	19.5	1.30

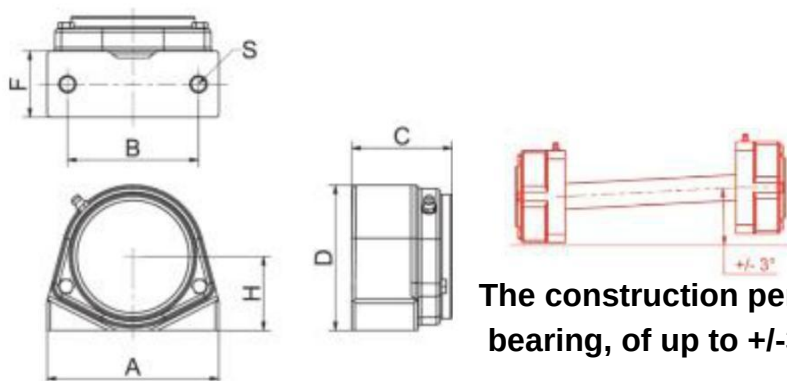
All measurements in millimetres. When ordering please use the catalogue no.

Technical specifications for spherical stainless insert

Technical specifications	IP67 SSA 20	IP67 SSA 25	IP67 SSA 30	IP67 SSA 35	IP67 SSA 40
Shaft dia. (mm)	20.00	25.00	30.00	35.00	40.00
Weight (kg)	0.30	0.38	0.54	0.70	0.94
Cr (kN)	9.88	10.78	14.97	19.75	22.71
Cor (kN)	6.20	6.98	10.04	13.67	15.94

m (mass); Cr (basic dynamic load, radial); Cor (basic static load, radial)

Waterproof 2 hole tapped base bearing units with spherical inserts IP67 PA-type



The construction permits a misalignment of the bearing, of up to $\pm 3^\circ$

IP67 PA shaft size	Catalogue No. closed cover	Catalogue No. open cover	A	B	C	D	F	H	S	Weight (kg)
Ø20 mm	IP67 PA204 CC	IP67 PA204 OC	79.0	50.8	52.0	67.0	33.5	33.3	M8	0.43
Ø25 mm	IP67 PA205 CC	IP67 PA205 OC	87.0	50.8	53.0	73.0	34.5	36.5	M8	0.51
Ø30 mm	IP67 PA206 CC	IP67 PA206 OC	100.0	76.2	59.0	85.0	38.5	42.9	M10	0.77
Ø35 mm	IP67 PA207 CC	IP67 PA207 OC	110.0	82.6	60.0	93.0	38.5	47.5	M12	0.99
Ø40 mm	IP67 PA208 CC	IP67 PA208 OC	122.0	88.9	66.0	100.0	42.5	49.2	M12	1.30

All measurements in millimetres. When ordering please use the catalogue no.

Technical specifications for spherical stainless insert

Technical specifications	IP67 SSA 20	IP67 SSA 25	IP67 SSA 30	IP67 SSA 35	IP67 SSA 40
Shaft dia. (mm)	20.00	25.00	30.00	35.00	40.00
Weight (kg)	0.30	0.38	0.54	0.70	0.94
Cr (kN)	9.88	10.78	14.97	19.75	22.71
Cor (kN)	6.20	6.98	10.04	13.67	15.94

m (mass); Cr (basic dynamic load, radial); Cor (basic static load, radial)

IP67 waterproof spherical bearing units



Waterproof IP67 design which comply with 3A and EHEDG regulation
High quality bearing units with USDA certificate
Maintenance free bearing units, which are resistant to all cleaning agents and most chemicals.

Thermo plastic bearing units

For tasks a little less demanding, and for a more economical solution, our product range also covers thermoplastic bearings.

The bearings are characterized by high quality and finish for both the bearing and the bearing housing.

Our Thermo plastic bearing units are designed for the food industry and other industries with continuously heavier demands on the material resistance and a design for easy-to-clean.

In order to reduce the risk of bacteria growth, this design is characterized by smooth surfaces and rounded corners.



Features and advantages of our thermo plastic bearing units:

- /// Thermoplastic housings in Black, White or Green
- /// Stainless bearing inserts AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring
- /// The spherical bearing is self-aligning.
- /// The bearing housing measurements are similar to market standards for easy replacement.
- /// The bearing housing can be mounted in all angles
- /// The stainless spherical insert bearings for an easy and precise assembly
- /// The bearing inserts are lubricated with FM222 grease which meet requirements like DIN 51825, Halal, Kosher, etc.
- /// Possibility for private label

Thermoplastic PPL 2 hole spherical pillow block bearing units

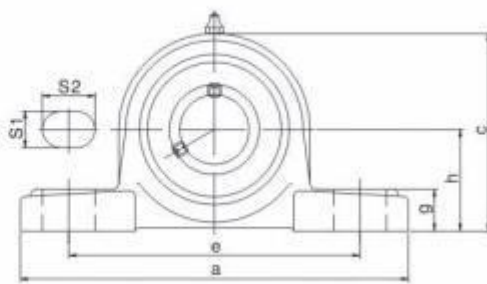
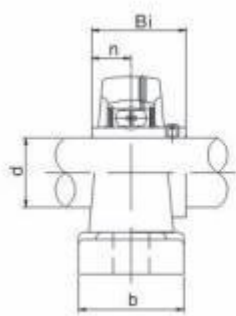


PPL with closed cover



PPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

PPL shaft size	Catalogue No.	D	h	A	e	B	s1	s2	G	c	Bi	n	Weight (kg)
Ø20 mm	PPL 204	20	33.3	127.0	95.0	38.0	11	14	14.2	65.5	31.0	12.7	0.13
Ø25 mm	PPL 205	25	36.5	140.5	105.0	38.0	11	14	14.5	71.0	34.0	14.3	0.14
Ø30 mm	PPL 206	30	42.9	163.0	119.0	46.0	14	18	17.8	84.0	38.1	15.9	0.24
Ø35 mm	PPL 207	35	47.6	168.0	127.0	48.0	14	18	18.0	94.5	42.9	17.5	0.27
Ø40 mm	PPL 208	40	49.2	184.0	137.0	54.0	14	18	19.5	101.0	49.2	19.0	0.35
Ø45 mm	PPL 209	45	54.0	192.0	146.0	54.0	17	20	23.0	106.0	49.2	19.0	0.41
Ø50 mm	PPL 210	50	57.2	206.0	159.0	60.0	17	20	23.0	114.0	51.6	19.0	0.47
Ø55 mm	PPL 211	55	Please contact us for more information										
Ø60 mm	PPL 212	60	Please contact us for more information										

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Thermoplastic FPL 4 hole spherical square flange bearing units

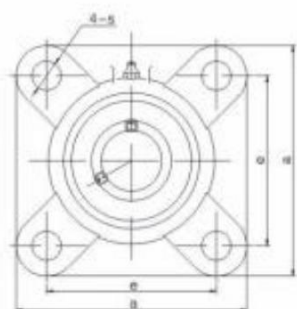
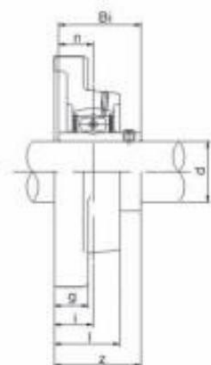


FPL with closed cover



FPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

FPL shaft size	Catalogue No.	D	A	e	G	L	s	Z	Bi	n	i	Weight (kg)
Ø20 mm	FPL 204	20	86.0	63.5	13.4	27.8	11	34.6	31.0	12.7	16.3	0.12
Ø25 mm	FPL 205	25	95.0	70.0	14.3	28.5	11	36.7	34.0	14.3	17.0	0.15
Ø30 mm	FPL 206	30	107.0	83.0	14.3	31.5	11	41.2	38.1	15.9	19.0	0.18
Ø35 mm	FPL 207	35	118.0	92.0	15.5	34.5	13	46.9	42.9	17.5	21.5	0.25
Ø40 mm	FPL 208	40	130.0	102.0	17.0	36.5	14	53.2	49.2	19.0	23.0	0.36
Ø45 mm	FPL 209	45	137.0	105.0	19.0	41.0	17	54.2	49.2	19.0	24.0	0.42
Ø50 mm	FPL 210	50	143.0	111.0	21.0	43.0	17	57.6	51.6	19.0	25.0	0.49
Ø55 mm	FPL 211	55	Please contact us for more information									
Ø60 mm	FPL 212	60	Please contact us for more information									
All measurements in millimetres. When ordering please use the catalogue no.												

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Thermoplastic FLPL 2 hole spherical oval flange bearing units

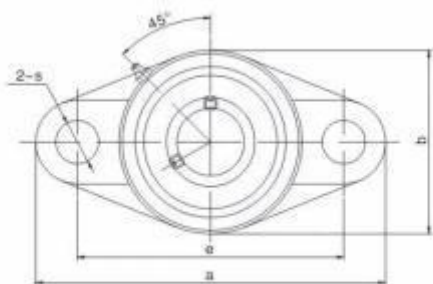
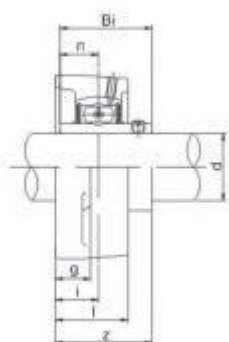


FLPL with closed cover



FLPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

FLPL shaft size	Catalogue No.	D	A	e	b	G	L	s	Z	Bi	n	l	Weight (kg)
Ø20 mm	FLPL 204	20	113.0	90.0	65.0	13.4	26.5	11	33.3	31.0	12.7	15.5	0.08
Ø25 mm	FLPL 205	25	131.0	99.0	70.0	14.3	28.0	11	36.2	34.0	14.3	16.5	0.11
Ø30 mm	FLPL 206	30	148.0	117.0	80.0	14.3	30.5	11	40.2	38.1	15.9	18.0	0.13
Ø35 mm	FLPL 207	35	164.0	130.0	90.0	15.5	32.0	13	44.4	42.9	17.5	19.0	0.16
Ø40 mm	FLPL 208	40	176.0	144.0	100.0	17.0	35.0	14	51.7	49.2	19.0	21.5	0.22
Ø45 mm	FLPL 209	45	198.0	149.0	108.0	21.0	41.0	17	54.2	49.2	19.0	24.0	0.26
Ø50 mm	FLPL 210	50	197.0	157.0	115.0	21.0	43.0	17	57.6	51.6	19.0	25.0	0.31
Ø55 mm	FLPL 211	55	Please contact us for more information										
Ø60 mm	FLPL 212	60	Please contact us for more information										
All measurements in millimetres. When ordering please use the catalogue no.													

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Thermoplastic PAPL 2 hole spherical tapped base pillow block bearing units

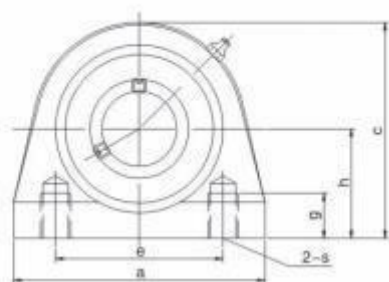
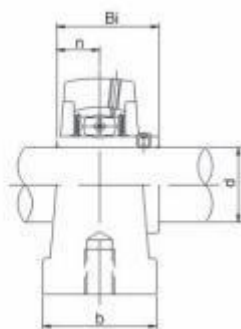


PAPL with closed cover



PAPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

PAPL shaft size	Catalogue No.	d	H	a	e	B	S	g	c	Bi	n	Weight (kg)
Ø20 mm	PAPL 204	20	33.3	76.0	52.0	38.0	M8	13.0	64.0	31.0	12.7	0.09
Ø25 mm	PAPL 205	25	36.5	84.0	56.0	38.0	M10	13.0	72.0	34.1	14.3	0.12
Ø30 mm	PAPL 206	30	42.9	94.0	66.0	48.0	M10	16.0	84.0	38.1	15.9	0.18
Ø35 mm	PAPL 207	35	47.6	110.0	80.0	48.0	M10	18.0	95.0	42.9	17.5	0.26
Ø40 mm	PAPL 208	40	49.2	116.0	84.0	54.0	M12	20.0	100.0	49.2	19.0	0.30
Ø45 mm	PAPL 209	45	54.2	120.0	90.0	54.0	M12	20.0	108.0	49.2	19.0	0.35
Ø50 mm	PAPL 210	50	57.2	130.0	94.0	60.0	M16	22.0	116.0	51.6	19.0	0.45
Ø55 mm	PAPL 211	55	Please contact us for more information									
Ø60 mm	PAPL 212	60	Please contact us for more information									
All measurements in millimetres. When ordering please use the catalogue no.												

Tapped Base with Inch thread also available on request

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Thermoplastic FBPL 3 hole spherical one side flange bearing units

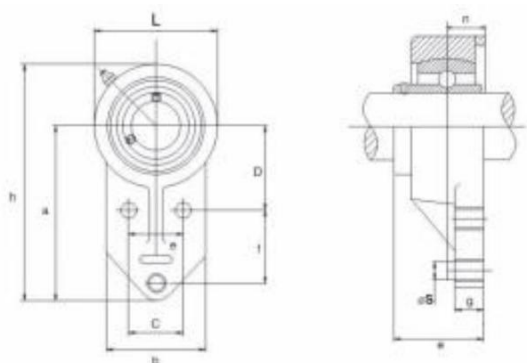


FBPL with closed cover



FBPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

FBPL shaft size	Catalogue No.	d	a	b	C	D	E	F	G	H	L	s	n	Weight (kg)
Ø20 mm	FBPL 204	20	76.2	62.0	38.1	43.3	34.1	22.0	8.0	108.0	63.5	10.0	12.7	0.08
Ø25 mm	FBPL 205	25	85.7	63.5	41.3	46.0	36.5	28.5	10.0	121.0	70.0	10.0	14.3	0.11
Ø30 mm	FBPL 206	30	96.5	76.0	47.6	52.4	40.9	31.7	10.0	137.0	83.0	12.0	15.9	0.16
Ø35 mm	FBPL 207	35	109.5	89.0	50.8	60.3	46.4	37.7	12.7	156.0	95.0	12.0	17.5	0.23
Ø40 mm	FBPL 208	40	114.0	98.0	54.0	65.0	51.2	41.3	15.9	164.0	100.0	12.0	19.0	0.30
Ø45 mm	FBPL 209	45	Please contact us for more information											
Ø50 mm	FBPL 210	50	Please contact us for more information											
Ø55 mm	FBPL 211	55	Please contact us for more information											
Ø60 mm	FBPL 212	60	Please contact us for more information											

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Thermoplastic FCPL 4 hole spherical cartridge flange bearing units

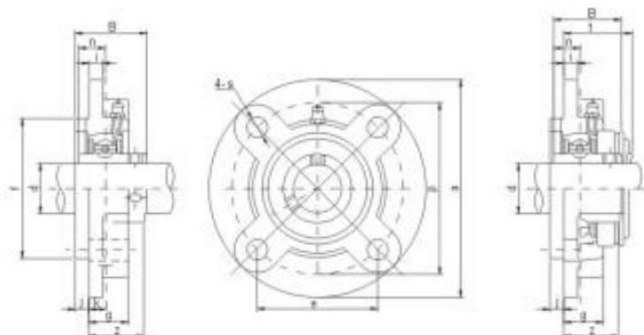


FCPL with closed cover



FCPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

FCPL shaft size	Catalogue No.	d	A	P	E	i	S	j	K	g	f	Z	B	n	Weight (kg)
Ø20 mm	FCPL 204	20	100	78	55.1	10	12	5	7	20	62	28.3	31.0	12.7	0.12
Ø25 mm	FCPL 205	25	115	90	63.6	10	12	6	7	21	70	29.8	34.1	14.3	0.15
Ø30 mm	FCPL 206	30	125	100	70.7	10	12	8	8	23	80	32.2	38.1	15.9	0.18
Ø35 mm	FCPL 207	35	135	110	77.8	11	14	8	9	26	90	36.4	42.9	17.5	0.25
Ø40 mm	FCPL 208	40	145	120	84.8	11	14	10	9	26	100	41.2	49.2	19.0	0.36
Ø45 mm	FCPL 209	45	160	132	93.3	12	16	12	14	26	105	41.2	49.2	19.0	0.42
Ø50 mm	FCPL 210	50	165	138	97.6	12	16	12	14	28	110	42.6	51.6	19.0	0.49
Ø55 mm	FCPL 211	55	Please contact us for more information												
Ø60 mm	FCPL 212	60	Please contact us for more information												
All measurements in millimetres. When ordering please use the catalogue no.															

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Thermoplastic HPPL spherical hanger bearing units

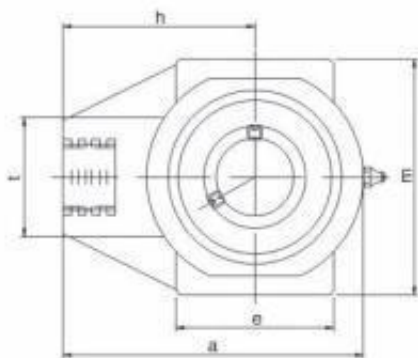
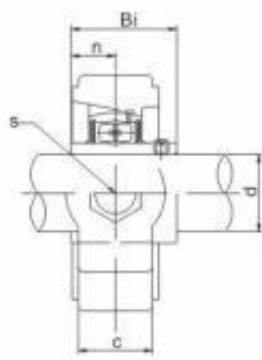


HPPL with closed cover



HPPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

HPPL shaft size	Catalogue No.	D	A	c	H	M	S	T	e	Bi	N	Weight (kg)
Ø20 mm	HPPL 204	20	99.0	27.5	63.5	65.0	M16	36.0	47.0	31.0	12.7	0.08
Ø25 mm	HPPL 205	25	99.0	27.5	63.5	74.0	M16	36.0	47.0	34.0	14.3	0.11
Ø30 mm	HPPL 206	30	125.0	34.5	76.0	90.0	M16	40.0	63.0	38.1	15.9	0.16
Ø35 mm	HPPL 207	35	125.0	34.5	76.0	90.0	M16	40.0	63.0	42.9	17.5	0.23
Ø40 mm	HPPL 208	40	140.0	34.5	85.0	100.0	M16	40.0	80.0	49.2	19.0	0.30
Ø45 mm	HPPL 209	45	Please contact us for more information									
Ø50 mm	HPPL 210	50	Please contact us for more information									
Ø55 mm	HPPL 211	55	Please contact us for more information									
Ø60 mm	HPPL 212	60	Please contact us for more information									

All measurements in millimetres. When ordering please use the catalogue no.

Hanger Unit with Inch thread also available on request

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Thermoplastic TPL 3 spherical take up bearing units

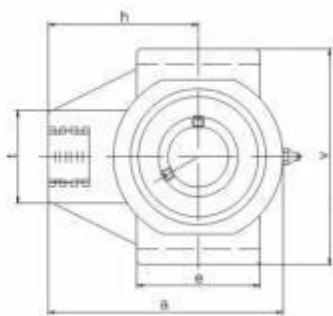
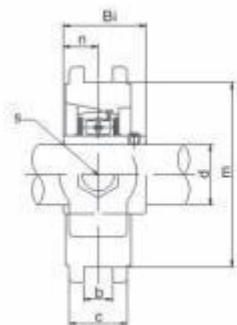


TPL with closed cover



TPL with open cover

Technical data:



- /// Stainless steel bearings AISI 440C
- /// Chrome steel bearings 100Cr6
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// Operating temperature from -30°C to +100°C.
- /// Cover material: Polypropylene
- /// Oil seal material: NBR Rubber with stainless spring

TPL shaft size	Catalogue No.	d	a	C	b	H	M	T	v	E	Bi	S	n	Weight (kg)
Ø20 mm	TPL 204	20	99.0	27.5	12.0	63.5	76.0	36.0	88.0	47.0	31.0	M16	12.7	0.08
Ø25 mm	TPL 205	25	99.0	27.5	12.0	63.5	76.0	36.0	88.0	47.0	34.0	M16	14.3	0.11
Ø30 mm	TPL 206	30	125.0	34.5	12.0	76.0	89.0	40.0	102.0	63.0	38.1	M16	15.9	0.16
Ø35 mm	TPL 207	35	125.0	34.5	12.0	76.0	89.0	40.0	102.0	63.0	42.9	M16	17.5	0.23
Ø40 mm	TPL 208	40	140.0	34.5	16.0	85.0	102.0	40.0	114.0	80.0	49.2	M16	19.0	0.30
Ø45 mm	TPL 209	45	Please contact us for more information											
Ø50 mm	TPL 210	50	Please contact us for more information											
Ø55 mm	TPL 211	55	Please contact us for more information											
Ø60 mm	TPL 212	60	Please contact us for more information											

All measurements in millimetres. When ordering please use the catalogue no.

Take up with Inch thread also available on request

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Plastic bearing units



Our Plastic bearing units are designed for food, drug, medical and other industries with continuously heavier demands on the material resistance and a design for easy-to-clean. In order to reduce the risk of bacteria growth, this design is characterized by smooth surfaces and rounded corners.



Minimized environmental impact

Ecological sustainability

Lower operating cost

Improved welfare

Stainless steel bearing units

The stainless steel bearing units type is suitable for the food, drug, medical other demanding environments, due to the hygienic design and minimum of maintenance.

Our stainless steel bearing units are characterized by high quality and finish for both the bearing and the bearing housing.

Designed for industries with continuously heavier demands on the material resistance and a design for easy-to-clean.

In order to reduce the risk of bacteria growth, this design is characterized by smooth surfaces and rounded corners.



Features and advantages of our stainless steel bearing units:

- /// Stainless steel housings AISI 304
- /// Stainless steel bearings AISI 440C
- /// Stainless steel grease nipple AISI 304 M6x1 mm
- /// No surface coating are required
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.
- /// Cover material: Polypropylene or stainless steel AISI 304
- /// Oil seal material: NBR Rubber with stainless spring
- /// The spherical bearing is self-aligning.
- /// The bearing housing measurements are similar to market standards for easy replacement.
- /// The bearing housing can be mounted in all angles
- /// The stainless spherical insert bearings for an easy and precise assembly
- /// The bearing inserts are lubricated with FM222 grease which meet requirements like DIN 51825
- /// Possibility for private label

Stainless steel SP 2 holes spherical pillow block bearing units



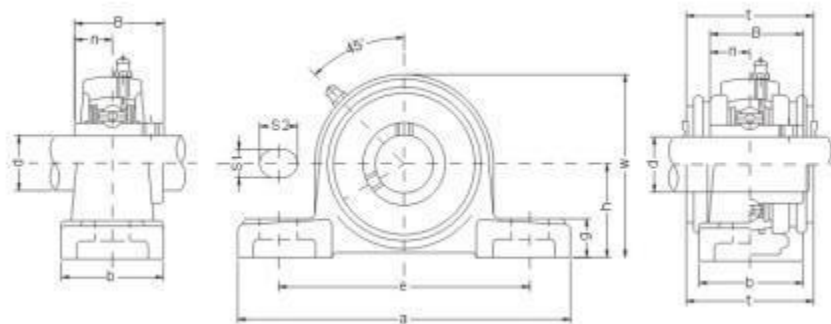
SP with closed cover



SP with open cover



Technical data:



/// Stainless steel housings AISI 304 ///
 Stainless steel bearings AISI 440C
 /// Stainless steel grease nipples
 AISI 304 M6x1 mm
 /// No surface coating are
 required /// Excellent life span
 /// Operating temperature from -30°C to
 +120°C.

SP shaft size	Catalogue No.	d	H	a	e	B	s1	s2	G	W	B	n	Weight (kg)
Ø20 mm	SP 204	20	33.3	127.0	95.0	38.0	13	19	14.0	65.0	31.0	12.7	0.66
Ø25 mm	SP 205	25	36.5	140.0	105.0	38.0	13	19	15.0	71.0	34.1	14.3	0.81
Ø30 mm	SP 206	30	42.9	165.0	121.0	48.0	17	20	17.0	84.0	38.1	15.9	1.24
Ø35 mm	SP 207	35	47.6	167.0	127.0	48.0	17	20	18.0	93.0	42.9	17.5	1.58
Ø40 mm	SP 208	40	49.2	184.0	137.0	54.0	17	20	18.0	100.0	49.2	19.0	1.89
Ø45 mm	SP 209	45	54.0	190.0	146.0	54.0	17	20	20.0	106.0	49.2	19.0	2.14
Ø50 mm	SP 210	50	57.2	206.0	159.0	60.0	20	23	21.0	113.0	51.6	19.0	2.66
Ø55 mm	SP 211	55	63.5	219.0	171.0	60.0	20	23	23.0	125.0	55.6	22.1	3.31
Ø60 mm	SP 212	60	69.8	241.0	184.0	70.0	20	23	25.0	138.0	65.1	25.4	4.90

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

SP shaft size from 65mm to 90mm, please contact us

Stainless steel SF 4 holes spherical square flange bearing units



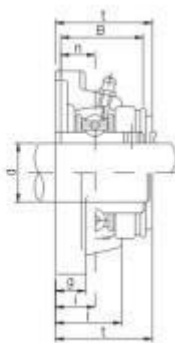
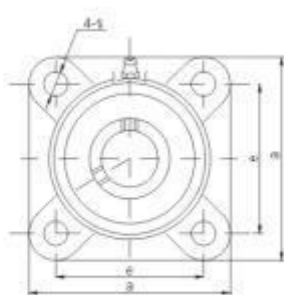
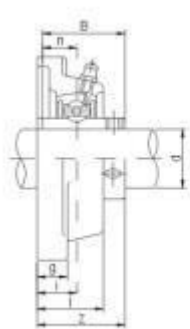
SF with closed cover



SF with open cover



Technical data:



- /// Stainless steel housings AISI 304 ///
- Stainless steel bearings AISI 440C
- /// Stainless steel grease nipples AISI 304
M6x1 mm
- /// No surface coating are required
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.

SF shaft size	Catalogue No.	d	a	e	G	L	S	Z	B	n	i	Weight (kg)
Ø20 mm	SF 204	20	86.0	64.0	12.0	25.5	12	33.3	31.0	12.7	15.0	0.56
Ø25 mm	SF 205	25	95.0	70.0	14.0	27.0	12	35.8	34.1	14.3	16.0	0.80
Ø30 mm	SF 206	30	108.0	83.0	14.0	31.0	12	40.2	38.1	15.9	18.0	1.12
Ø35 mm	SF 207	35	117.0	92.0	16.0	34.0	14	44.4	42.9	17.5	19.0	1.46
Ø40 mm	SF 208	40	130.0	102.0	16.0	36.0	16	51.2	49.2	19.0	21.0	1.84
Ø45 mm	SF 209	45	137.0	105.0	18.0	38.0	16	52.2	49.2	19.0	22.0	2.15
Ø50 mm	SF 210	50	143.0	111.0	18.0	40.0	16	54.6	51.6	19.0	22.0	2.42
Ø55 mm	SF 211	55	162.0	130.0	20.0	43.0	19	58.4	55.6	22.2	25.0	3.31
Ø60 mm	SF 212	60	175.0	143.0	20.0	48.0	19	68.7	65.1	25.4	29.0	4.28

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

SF shaft size from 65mm to 90mm, please contact us

Stainless steel SFL 2 holes spherical oval flange bearing units



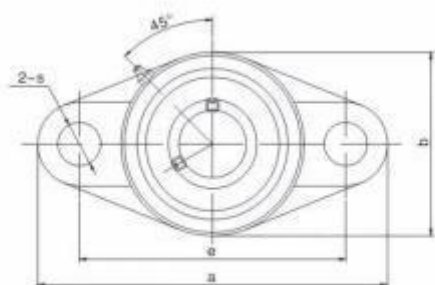
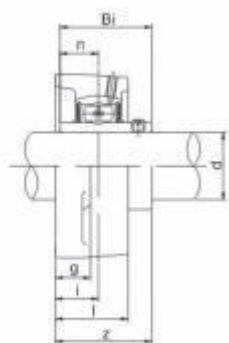
SFL with closed cover



SFL with open cover



Technical data:



/// Stainless steel housings AISI 304 ///
 Stainless steel bearings AISI 440C
 /// Stainless steel grease nipples AISI 304 M6x1 mm
 /// No surface coating are required /// Excellent life span
 /// Operating temperature from -30°C to +120°C.

SFL shaft size	Catalogue No.	d	A	e	b	G	L	s	Z	Bi	n	l	Weight (kg)
Ø20 mm	SFL 204	20	113.0	90.0	60.0	11.0	25.5	12	33.3	31.0	12.7	15.0	0.41
Ø25 mm	SFL 205	25	130.0	99.0	68.0	13.0	27.0	16	35.8	34.1	14.3	16.0	0.58
Ø30 mm	SFL 206	30	148.0	117.0	80.0	13.0	31.0	16	40.2	38.1	15.9	18.0	0.86
Ø35 mm	SFL 207	35	161.0	130.0	90.0	14.0	34.0	16	44.4	42.9	17.5	19.0	1.08
Ø40 mm	SFL 208	40	175.0	144.0	100.0	14.0	36.0	16	51.2	49.2	19.0	21.0	1.44
Ø45 mm	SFL 209	45	188.0	148.0	108.0	15.0	38.0	19	52.2	49.2	19.0	22.0	1.74
Ø50 mm	SFL 210	50	197.0	157.0	115.0	15.0	40.0	19	54.6	51.6	19.0	22.0	2.10
Ø55 mm	SFL 211	55	224.0	184.0	130.0	18.0	43.0	19	58.4	55.6	22.2	25.0	2.91
Ø60 mm	SFL 212	60	250.0	202.0	140.0	18.0	48.0	23	68.7	65.1	25.4	29.0	3.74

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

SFL shaft size from 65mm to 90mm, please contact us

Stainless steel SPA 2 holes spherical pillow block bearing units



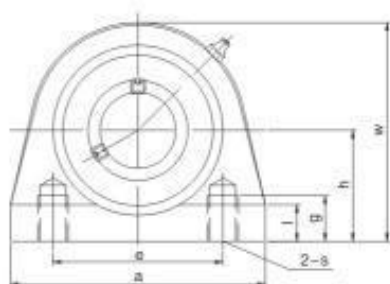
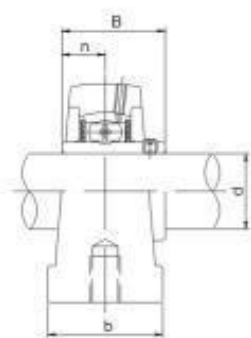
SPA with closed cover



SPA with open cover



Technical data:



/// Stainless steel housings AISI 304 ///
 Stainless steel bearings AISI 440C
 /// Stainless steel grease nipples AISI 304 M6x1 mm
 /// No surface coating are required /// Excellent life span
 /// Operating temperature from -30°C to +120°C.

SPA shaft size	Catalogue No.	D	H	a	E	B	S	g	w	B	n	Weight (kg)
Ø20 mm	SPA 204	20	30.2	76.0	52.0	38.0	M8	15.0	62.0	31.0	12.7	0.56
Ø25 mm	SPA 205	25	36.5	84.0	56.0	40.0	M10	15.0	72.0	34.1	14.3	0.83
Ø30 mm	SPA 206	30	42.9	94.0	66.0	50.0	M10	18.0	84.0	38.1	15.9	1.12
Ø35 mm	SPA 207	35	47.6	110.0	80.0	55.0	M10	20.0	95.0	42.9	17.5	1.48
Ø40 mm	SPA 208	40	49.2	116.0	84.0	58.0	M10	20.0	100.0	49.2	19.0	1.89
Ø45 mm	SPA 209	45	54.2	120.0	90.0	60.0	M12	25.0	108.0	49.2	19.0	1.98
Ø50 mm	SPA 210	50	57.2	130.0	94.0	64.0	M16	25.0	116.0	51.6	19.0	2.16
Ø55 mm	SPA 211	55	63.5	140.0	104.0	66.0	M16	25.0	125.0	55.6	22.2	3.26
Ø60 mm	SPA 212	60	69.9	150.0	114.0	68.0	M16	25.0	138.0	65.1	25.4	4.19

All measurements in millimetres. When ordering please use the catalogue no.

Tapped Base with Inch thread also available on request

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Stainless steel SFB 3 holes spherical flange bearing units



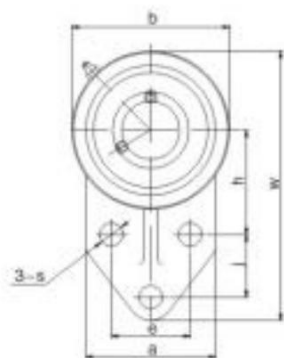
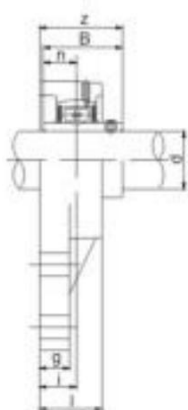
SFB with closed cover



SFB with open cover



Technical data:



- /// Stainless steel housings AISI 304
- /// Stainless steel bearings AISI 440C
- /// Stainless steel grease nipples AISI 304 M6x1 mm
- /// No surface coating are required
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.

SFB shaft size	Catalogue No.	D	W	B	A	L	S	G	H	j	E	Z	B	n	Weight (kg)
Ø20 mm	SFB 204	20	110	62	52	25	10	13	42	27	32	33.3	31.0	12.7	0.54
Ø25 mm	SFB 205	25	116	68	56	27	10	13	45	27	34	35.8	34.1	14.3	0.79
Ø30 mm	SFB 206	30	130	78	65	31	10	13	50	29	40	40.2	38.1	15.9	0.95
Ø35 mm	SFB 207	35	144	90	70	34	10	15	55	32	46	44.4	42.9	17.5	1.29
Ø40 mm	SFB 208	40	164	100	78	36	12	16	60	41	50	51.2	49.2	19.0	1.78
Ø45 mm	SFB 209	45	174	106	80	38	12	18	65	43	54	52.2	49.2	19.0	1.91
Ø50 mm	SFB 210	50	184	112	86	40	12	18	68	46	58	54.6	51.6	19.0	2.36
Ø55 mm	SFB 211	55	207	130	90	43	14	18	78	50	62	58.4	55.6	22.2	3.15
Ø60 mm	SFB 212	60	223	140	94	48	14	18	84	55	66	68.7	65.1	25.4	3.99

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Stainless steel SFC 4 holes spherical flange cartridge bearing units



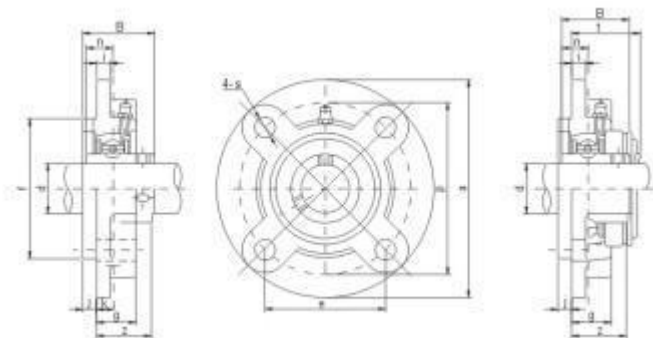
SFC with closed cover



SFC with open cover



Technical data:



- /// Stainless steel housings AISI 304
- /// Stainless steel bearings AISI 440C
- /// Stainless steel grease nipples AISI 304 M6x1 mm
- /// No surface coating are required
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.

SFC shaft size	Catalogue No.	D	A	p	e	s	j	K	g	f	z	B	n	Weight (kg)
Ø20 mm	SFC 204	20	100	78	55.1	12	5	7	20	62	28.3	31.0	12.7	0.69
Ø25 mm	SFC 205	25	115	90	63.6	12	6	7	21	70	29.8	34.1	14.3	1.00
Ø30 mm	SFC 206	30	125	100	70.7	12	8	8	23	80	32.2	38.1	15.9	1.30
Ø35 mm	SFC 207	35	135	110	77.8	14	8	9	26	90	36.4	42.9	17.5	1.81
Ø40 mm	SFC 208	40	145	120	84.8	14	10	9	26	100	41.2	49.2	19.0	2.14
Ø45 mm	SFC 209	45	160	132	93.3	16	12	14	26	105	41.2	49.2	19.0	2.68
Ø50 mm	SFC 210	50	165	138	97.6	16	12	14	28	110	42.6	51.6	19.0	2.90
Ø55 mm	SFC 211	55	185	150	106.1	19	12	15	31	125	46.4	55.6	22.2	4.01
Ø60 mm	SFC 212	60	195	160	113.1	19	12	15	36	135	56.7	65.1	25.4	4.94

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

SFC shaft size from 65mm to 90mm, please contact us

Stainless steel SHA spherical hanger bearing units

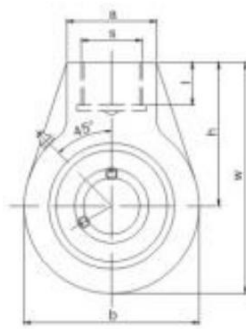
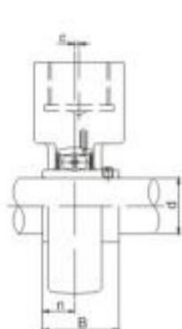


SHA with closed cover



SHA with open cover

Technical data:



- /// Stainless steel housings AISI 304
- /// Stainless steel bearings AISI 440C
- /// Stainless steel grease nipples AISI 304 M6x1 mm
- /// No surface coating are required
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.

SHA shaft size	Catalogue No.	d	H	W	B	C	A	S	L	B	n	Weight (kg)
Ø20 mm	SHA 204	20	64	96	64	0	40	M20	19	31.0	12.7	0.69
Ø25 mm	SHA 205	25	64	103	78	0	40	M20	19	34.1	14.3	0.83
Ø30 mm	SHA 206	30	64	103	78	0	40	M20	19	38.1	15.9	1.00
Ø35 mm	SHA 207	35	70	116	92	0	40	M20	19	42.9	17.5	1.16
Ø40 mm	SHA 208	40	73	121	96	2	40	M20	19	49.2	19.0	1.32
Ø45 mm	SHA 209	45	82	136	108	5	48	M24	21	49.2	19.0	1.92
Ø50 mm	SHA 210	50	83	142	118	5	48	M24	21	51.6	19.0	2.30
Ø55 mm	SHA 211	55	87	150	126	7	60	M30	25	55.6	22.2	2.61
Ø60 mm	SHA 212	60	102	173	142	9	60	M30	28	65.1	25.4	3.54

All measurements in millimetres. When ordering please use the catalogue no.

Hanger Unit with Inch thread also available on request

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Stainless steel ST spherical take up bearing units

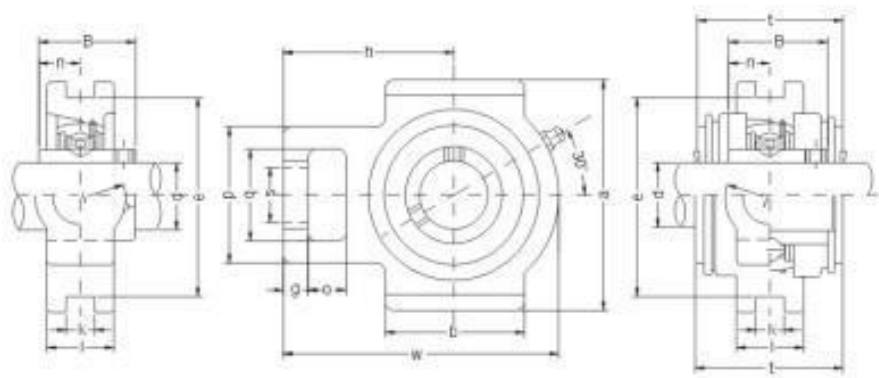


ST with closed cover



ST with open cover

Technical data:



/// Stainless steel housings AISI 304 ///
 Stainless steel bearings AISI 440C
 /// Stainless steel grease nipples
 AISI 304 M6x1 mm
 /// No surface coating are
 required /// Excellent life span
 /// Operating temperature from -30°C to
 +120°C.

ST shaft size	Catalogue No.	d	O	g	q	S	B	K	e	a	w	h	B	n	Weight (kg)
Ø20 mm	ST 204	20	16	10	32	19	51	12	76	89	94	61	31.0	12.7	0.69
Ø25 mm	ST 205	25	16	10	32	19	51	12	76	89	97	62	34.1	14.3	0.83
Ø30 mm	ST 206	30	16	10	37	22	57	12	89	102	113	70	38.1	15.9	1.00
Ø35 mm	ST 207	35	16	13	37	22	64	12	89	102	129	78	42.9	17.5	1.16
Ø40 mm	ST 208	40	19	16	49	29	83	16	102	114	144	87	49.2	19.0	1.32
Ø45 mm	ST 209	45	19	16	49	29	83	16	102	117	144	87	49.2	19.0	1.92
Ø50 mm	ST 210	50	19	16	49	29	86	16	102	117	149	90	51.6	19.0	2.30
Ø55 mm	ST 211	55	25	19	64	35	95	22	130	146	171	106	55.6	22.2	2.61
Ø60 mm	ST 212	60	32	19	64	35	102	22	130	146	194	119	65.1	25.4	3.54

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 29 to 32

For covers and back seal please see page 28

Closed and open cover for bearing units

Closed and open cover with double lip oil seal and stainless steel spring

The open cover is very tight to the bearing house (OC) Open and (CC) Closed Cover with Logo Cover material: Polypropylene

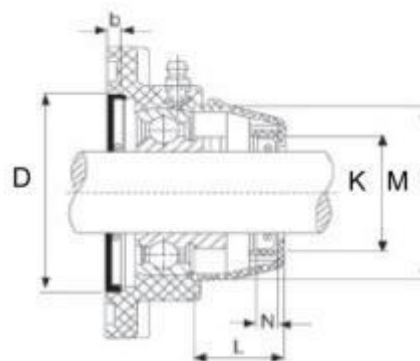


The closed cover is very tight to the bearing house (OCSS) Open and (CCSS) Closed Cover with Logo Cover material: Aisi 304



Double lip oil seal with stainless steel spring (BS)
The oil seal is very tight to the bearing house base
Oil seal material: NBR Rubber with stainless spring

Possibility for private label

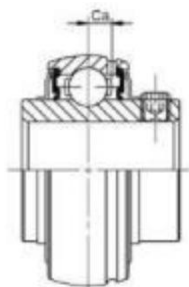
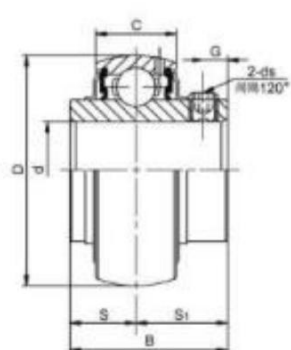


With OC and BS

Cover	Catalogue No.	Catalogue No.	d	K	N	L	M	Oil seal	Catalogue No.	d	b	D
Ø20 mm	OC 204	CC 204	20	32	7	23	50	Ø20 mm	BS 204	20	6	52
Ø25 mm	OC 205	CC 205	25	37	7	25	55	Ø25 mm	BS 205	25	6	62
Ø30 mm	OC 206	CC 206	30	42	7	30	64	Ø30 mm	BS 206	30	6	72
Ø35 mm	OC 207	CC 207	35	47	7	32	74	Ø35 mm	BS 207	35	6	82
Ø40 mm	OC 208	CC 208	40	52	7	37	84	Ø40 mm	BS 208	40	6	88
Ø45 mm	OC 209	CC 209	45	57	7	41	89	Ø45 mm	BS 209	45	6	93
Ø50 mm	OC 210	CC 210	50	62	7	47	94	Ø50 mm	BS 210	50	6	98
Ø55 mm	Please contact us for more information							Ø55 mm	Please contact us for more information			
Ø60 mm	Please contact us for more information							Ø60 mm	Please contact us for more information			
All measurements in millimetres. When ordering please use the catalogue no.												

Stainless Steel Bearing Insert

Stainless Steel Bearing Insert SUC200 Series



Bearing No.	Shaft Diameter (mm)	Dimensions (mm)								Dynamic Load (KN)	Static Load (KN)	Weight (kg)
		D	B	C	S	S1	G	Ds (mm)	Ca			
SUC204	20	47	31	17	12,7	18,3	5	M6x1	4,3	9,88	6,2	0,16
SUC205	25	52	34,1	17	14,3	19,8	5,4	M6x1	4,2	10,78	6,98	0,18
SUC206	30	62	38,1	19	15,9	22,2	5,5	M6x1	5,3	14,97	10,04	0,33
SUC207	35	72	42,9	20	17,5	25,4	6,9	M8x1	5,8	19,75	13,67	0,49
SUC208	40	80	49,2	21	19	30,2	8	M8x1	6,2	22,71	15,94	0,65
SUC209	45	85	49,2	22	19	30,2	8	M8x1	6,5	24,36	17,71	0,71
SUC210	50	90	51,6	24	19	32,6	10	M10x1.25	7	26,98	19,84	0,8
SUC211	55	100	55,6	25	22,2	33,4	10	M10x1.25	7,4	33,37	25,11	1,08
SUC212	60	110	65,1	27	25,4	39,7	10	M10x1.25	7,6	36,74	27,97	1,51

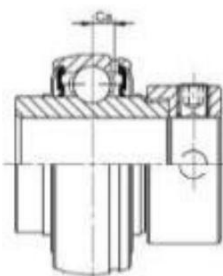
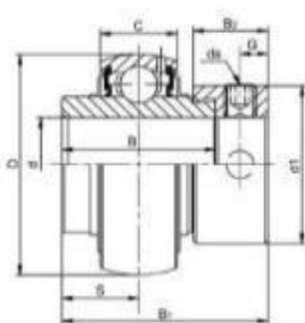
All measurements in millimetres. When ordering please use the catalogue no.
SUC shaft size from 65mm to 90mm, please contact us

Wide inner race, set screw locking, light duty
Wide inner ring with spherical outer ring
Lubrication groove with oil hole on set screw side as standard
Anti-rotation pin on side opposite grease groove

Stainless steel bearing insert material:

1. Inner and Outer ring: AISI 440C
2. Balls: AISI 440C or 100Cr6
3. Retainer: AISI 304
4. Set screw and collar lock: AISI 304
5. Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
6. Slinger: AISI 304

Stainless Steel Bearing Insert SHC200 Series



Bearing No.	Shaft Dia. (mm)	Dimensions (mm)										Dynamic Load (KN)	Static Load (KN)	Weight (kg)
		D	B	C	S	B1	B2	d1	G	Ds (mm)	Ca			
SHC204	20	47	34,2	17	17,1	43,7	13,5	33,3	5	M6x1	4,3	9,88	6,2	0,21
SHC205	25	52	34,9	17	17,5	44,4	13,5	38,1	5	M6x1	4,2	10,78	6,98	0,25
SHC206	30	62	36,5	19	18,3	48,4	15,9	44,5	6	M6x1	5,3	14,97	10,04	0,39
SHC207	35	72	37,6	20	18,8	51,1	17,5	55,6	6,5	M8x1	5,8	19,75	13,67	0,6
SHC208	40	80	42,8	21	21,4	56,3	18,3	60,3	6,5	M8x1	6,2	22,71	15,94	0,77
SHC209	45	85	42,8	22	21,4	56,3	18,3	63,5	6,5	M8x1	6,5	24,36	17,71	0,84
SHC210	50	90	49,2	24	24,6	62,7	18,3	69,9	6,5	M8x1	7	26,98	19,84	1,02
SHC211	55	100	55,5	25	27,8	71,4	20,7	76,2	8	M10x1.25	7,4	33,37	25,11	1,37
SHC212	60	110	61,9	27	31	77,8	22,3	84,2	8	M10x1.25	7,6	36,74	27,97	1,85

All measurements in millimetres. When ordering please use the catalogue no.

SHC shaft size from 65mm to 90mm, please contact us

Wide inner race, eccentric locking, light duty

Wide inner ring with spherical outer ring

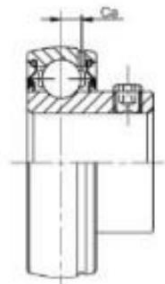
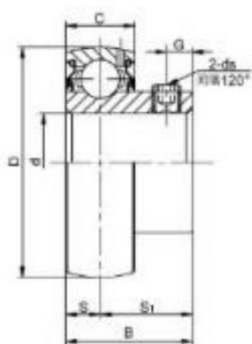
Lubrication groove with oil hole on set screw side as standard

Anti-rotation pin on side opposite grease groove

Stainless steel bearing insert material:

1. Inner and Outer ring: AISI 440C
2. Balls: AISI 440C or 100Cr6
3. Retainer: AISI 304
4. Set screw and collar lock: AISI 304
5. Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
6. Slinger: AISI 304

Stainless Steel Bearing Insert SSB200 Series



Bearing No.	Shaft Diameter (mm)	Dimensions (mm)								Dynamic Load (KN)	Static Load (KN)	Weight (kg)
		D	B	C	S	S1	G	Ds (mm)	Ca			
SSB204	20	47	25	14	7	18	5	M6x1	4	9,88	6,2	0,12
SSB205	25	52	27	15	7,5	19,5	5,5	M6x1	4	10,78	6,98	0,18
SSB206	30	62	30	16	8	22	5,9	M6x1	4,9	14,97	10,04	0,26
SSB207	35	72	32	17	8,5	23,5	8	M8x1	5,4	19,75	13,67	0,43
SSB208	40	80	34	18	9	25	8	M8x1	5,8	22,71	15,94	0,6
SSB209	45	85	36	19	9,5	26,5	8	M8x1	6,1	24,36	17,71	0,8
SSB210	50	90	38	20	10	28	10	M10X1.25	6,5	26,98	19,84	0,83
SSB211	55	100	40	21	10,5	29,5	10	M10X1.25	7	33,37	25,11	1,12
SSB212	60	110	42	22	11	31	10	M10X1.25	7,3	36,74	27,97	1,55

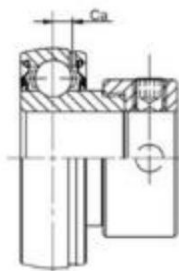
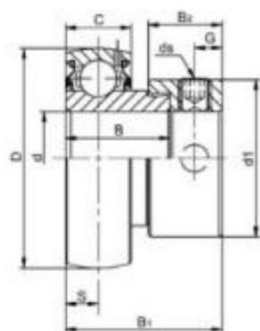
All measurements in millimetres. When ordering please use the catalogue no.

Narrow inner race, set screw locking, light duty
Narrow inner ring with spherical outer ring
Lubrication groove with oil hole on set screw side on request
Anti-rotation pin on side opposite grease groove

Stainless steel bearing insert material:

1. Inner and Outer ring: AISI 440C
2. Balls: AISI 440C or 100Cr6
3. Retainer: AISI 304
4. Set screw and collar lock: AISI 304
5. Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
6. Slinger: AISI 304

Stainless Steel Bearing Insert SSA200 Series



Bearing No.	Shaft Dia. (mm)	Dimensions (mm)										Dynamic Load (KN)	Static Load (KN)	Weight (kg)
		D	B	C	S	B1	B2	d1	G	ds (mm)	Ca			
SSA204	20	47	21,5	14	7	31	13,5	33,3	5	M6x1	4	9,88	6,2	0,21
SSA205	25	52	22	15	7,5	31,5	13,5	38,1	5	M6x1	4	10,78	6,98	0,25
SSA206	30	62	23,8	16	8	35,7	15,9	44,5	6	M6x1	4,9	14,97	10,04	0,39
SSA207	35	72	25,4	17	8,5	38,9	17,5	55,6	6,5	M8x1	5,4	19,75	13,67	0,6
SSA208	40	80	30,2	18	9	43,7	18,3	60,3	6,5	M8x1	5,8	22,71	15,94	0,77
SSA209	45	85	30,2	19	9,5	43,7	18,3	63,5	6,5	M8x1	6,1	24,36	17,71	0,84
SSA210	50	90	30,2	20	10	43,7	18,3	69,9	6,5	M8x1	6,5	26,98	19,84	1,02
SSA211	55	100	32,5	21	10,5	48,4	20,7	76,2	8	M10X1.25	7	33,37	25,11	1,37
SSA212	60	110	37,2	22	11	53,1	22,3	84,2	8	M10x1.25	7,3	36,74	27,97	1,85

All measurements in millimetres. When ordering please use the catalogue no.

Narrow inner race, eccentric locking, light duty
Narrow inner ring with spherical outer ring
Lubrication groove with oil hole on set screw side on request
Anti-rotation pin on side opposite grease groove

Stainless steel bearing insert material:

1. Inner and Outer ring: AISI 440C
2. Balls: AISI 440C or 100Cr6
3. Retainer: AISI 304
4. Set screw and collar lock: AISI 304
5. Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
6. Slinger: AISI 304

Mini stainless steel flange bearing unit

Mini stainless steel flange bearing unit with eccentric collar lock

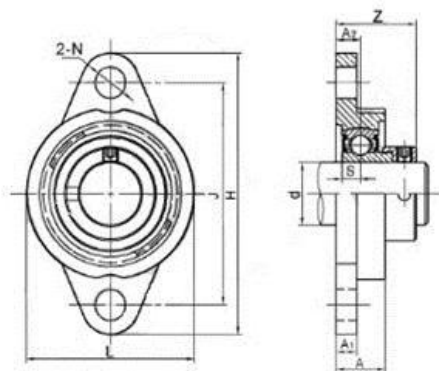
The 2-holes mini stainless steel flange bearing unit type SUFL with eccentric collar locks are extra narrow bearing units in hygienic design.



SUFL-type with closed cover



SUFL-type with open cover



Features and advantages:

- /// Stainless steel housings AISI 304
- /// Stainless steel bearings AISI 440C
- /// Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
- /// Narrow bearings
- /// No surface coating are required
- /// Eccentric collar lock
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.

Unit No.	Dia. (mm)	Dimensions (mm)									Bolt Size	Bearing No.	Housing No.	Weight (Kg)
		H	J	A2	A1	A	N	L	S	Z				
SUFL000	10	60	45	6	6	12	7	36	4	19,7	M6	SU000	SFL000	0,07
SUFL001	12	63	48	6	6	12	7	38	4	19,7	M6	SU001	SFL001	0,08
SUFL002	15	67	53	6,5	6,5	13	7	42	4,5	20,7	M6	SU002	SFL002	0,11
SUFL003	17	71	56	7	7	14	7	46	5	22,7	M6	SU003	SFL003	0,14
SUFL004	20	90	71	8	8	16	10	55	6	26,2	M8	SU004	SFL004	0,23
SUFL005	25	95	75	8	8	16	10	60	6	27	M8	SU005	SFL005	0,27
SUFL006	30	112	85	9	9	18	13	70	6,5	28,5	M10	SU006	SFL006	0,39

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 38 to 39

For covers and back seal please see page 37

Mini stainless steel flange bearing unit with set screw lock

The 2-holes mini stainless steel flange bearing units type SKFL with set screw locks are extra narrow bearing units in hygienic design.



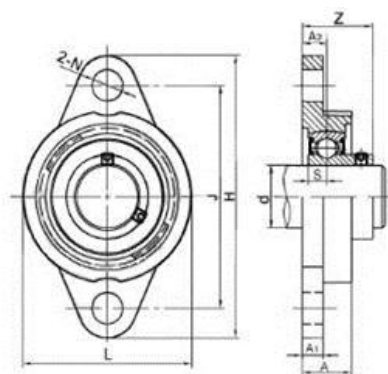
SKFL-type with closed cover



SKFL-type with open cover

Features and advantages:

- /// Stainless steel housings AISI 304
- /// Stainless steel bearings AISI 440C
- /// Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
- /// Narrow bearings
- /// No surface coating are required
- /// Set screw lock
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.



Unit	Dia.	Dimensions (mm)									Bolt	Bearing	Housing	Weight
No.	(mm)	H	J	A2	A1	A	N	L	S	z	Size	No.	No.	(Kg)
SKFL000	10	60	45	6	6	12	7	36	4	16	M6	SK000	SFL000	0,07
SKFL001	12	63	48	6	6	12	7	38	4	16,5	M6	SK001	SFL001	0,08
SKFL002	15	67	53	6,5	6,5	13	7	42	4,5	18,5	M6	SK002	SFL002	0,11
SKFL003	17	71	56	7	7	14	7	46	5	19,5	M6	SK003	SFL003	0,14
SKFL004	20	90	71	8	8	16	10	55	6	23	M8	SK004	SFL004	0,23
SKFL005	25	95	75	8	8	16	10	60	6	24,5	M8	SK005	SFL005	0,27
SKFL006	30	112	85	9	9	18	13	70	6,5	27	M10	SK006	SFL006	0,39

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 38 to 39

For covers and back seal please see page 37

Mini stainless steel pillow block bearing unit with eccentric collar lock

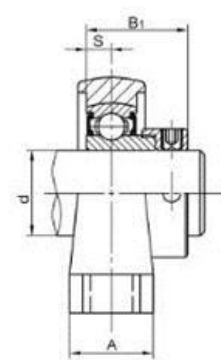
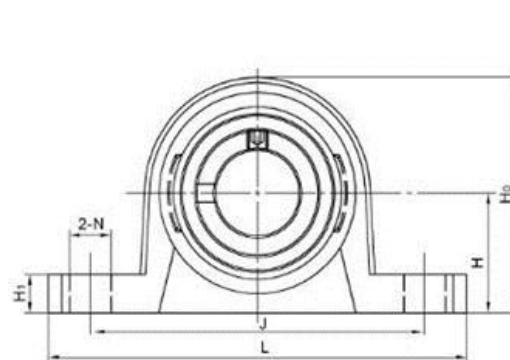
The mini stainless steel pillow block bearing unit type SUP with eccentric collar lock are extra narrow bearing units in hygienic design.



SUP-type with closed cover



SUP-type with open cover



Features and advantages:

- /// Stainless steel housings AISI 304
- /// Stainless steel bearings AISI 440C
- /// Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
- /// Narrow bearings
- /// No surface coating are required
- /// Eccentric collar lock
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.

Unit No.	Dia. (mm)	Dimensions (mm)									Bolt Size	Bearing No.	Housing No.	Weight (Kg)
		H	L	J	A	H1	Ho	N	S	B1				
SUP000	10	18	67	53	16	6	35	7	4	17,7	M6	SU000	SP000	0,08
SUP001	12	19	71	56	16	6	38	7	4	17,7	M6	SU001	SP001	0,1
SUP002	15	22	80	63	16	7	43	7	4,5	18,7	M6	SU002	SP002	0,14
SUP003	17	24	85	67	18	7	47	7	5	20,7	M6	SU003	SP003	0,17
SUP004	20	28	100	80	20	9	55	10	6	24,2	M8	SU004	SP004	0,26
SUP005	25	32	112	90	20	10	62	10	6	25	M8	SU005	SP005	0,33
SUP006	30	36	132	106	26	11	70	13	6,5	26	M10	SU006	SP006	0,5

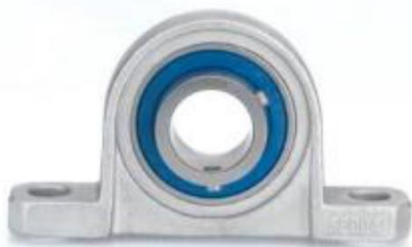
All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 38 to 39

For covers and back seal please see page 37

Mini stainless steel pillow block bearing unit with set screw lock

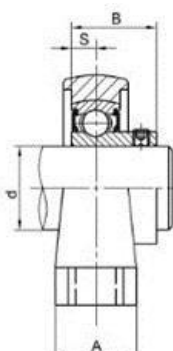
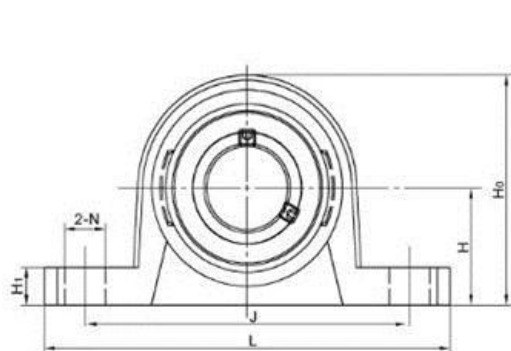
The mini stainless steel pillow block bearing unit type SKP with eccentric collar lock are extra narrow bearing units in hygienic design.



SKP-type with closed cover



SKP-type with open cover



Features and advantages:

- /// Stainless steel housings AISI 304 ///
- /// Stainless steel bearings AISI 440C
- /// Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
- /// Narrow bearings
- /// No surface coating are required
- /// Set screw lock
- /// Excellent life span
- /// Operating temperature from -30°C to +120°C.

Unit No.	Dia. (mm)	Dimensions (mm)									Bolt Size	Bearing No.	Housing No.	Weight (Kg)
		H	L	J	A	H1	Ho	N	S	B				
SKP000	10	18	67	53	16	6	35	7	4	14	M6	SK000	SP000	0,03
SKP001	12	19	71	56	16	6	38	7	4	14,5	M6	SK001	SP001	0,04
SKP002	15	22	80	63	16	7	43	7	4,5	16,5	M6	SK002	SP002	0,05
SKP003	17	24	85	67	18	7	47	7	5	17,5	M6	SK003	SP003	0,07
SKP004	20	28	100	80	20	9	55	10	6	21	M8	SK004	SP004	0,11
SKP005	25	32	112	90	20	10	62	10	6	22,5	M8	SK005	SP005	0,15
SKP006	30	36	132	106	26	11	70	13	6,5	24,5	M10	SK006	SP006	0,21

All measurements in millimetres. When ordering please use the catalogue no.

For bearing inserts please see page 38 to 39

For covers and back seal please see page 37

Closed and open cover for mini bearing units

Closed and open cover with double lip oil seal and stainless steel spring

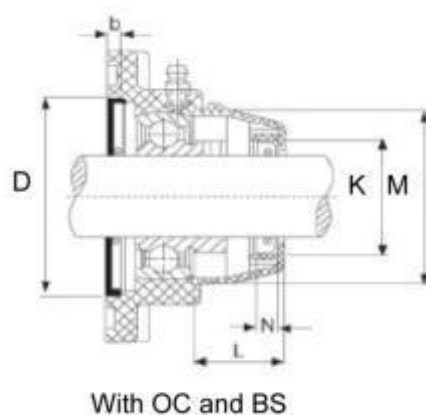
The open cover is very tight to the bearing house
Cover material: Polypropylene (OC) Open
Cover with Logo

(CC) Closed Cover with Logo



Double lip oil seal with stainless steel spring (BS)
The oil seal is very tight to the bearing house base
Oil seal material: NBR Rubber with stainless spring

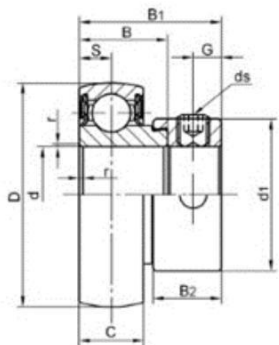
Possibility for private label



Cover	Catalogue No.	Catalogue No.	Shaft Diameter	Oil seal	Catalogue No.	Shaft Diameter
Ø10 mm	OC 000	CC 000	10	Ø10 mm	BS 000	10
Ø12 mm	OC 001	CC 001	12	Ø12 mm	BS 001	12
Ø15 mm	OC 002	CC 002	15	Ø15 mm	BS 002	15
Ø17 mm	OC 003	CC 003	17	Ø17 mm	BS 003	17
Ø20 mm	OC 004	CC 004	20	Ø20 mm	BS 004	20
Ø25 mm	OC 005	CC 005	25	Ø25 mm	BS 005	25
Ø30 mm	OC 006	CC 006	30	Ø30 mm	BS 006	30
All measurements in millimetres. When ordering please use the catalogue no.						

Stainless Steel Mini Bearing Insert

Stainless Steel Mini Bearing Insert SU000 - Eccentric collar lock



Bearing No.	Shaft Diameter (mm)	Dimensions (mm)									Dynamic Load (KN)	Static Load (KN)	Weight (kg)
		D	B	C	S	B1	B2	d1	R	Ds			
SU 000	10	26	11	8	4	17,7	8,5	17	0,5	M4X0.7	3,5	1,73	0,03
SU 001	12	28	11	8	4	17,7	8,5	19	0,5	M4X0.7	3,93	2,39	0,04
SU 002	15	32	12	9	4,5	18,7	8,5	22	0,5	M4X0.7	4,3	2,51	0,05
SU 003	17	35	13,5	10	5	20,7	9,5	25	0,5	M4X0.7	4,62	2,79	0,07
SU 004	20	42	16,5	12	6	24,2	11	30	1	M5X0.8	7,22	4,46	0,11
SU 005	25	47	17,5	12	6	25	12	36	1	M5X0.8	7,74	4,96	0,15
SU 006	30	55	18,5	13	6,5	26	12	42	1,5	M5X0.8	10,18	6,91	0,21

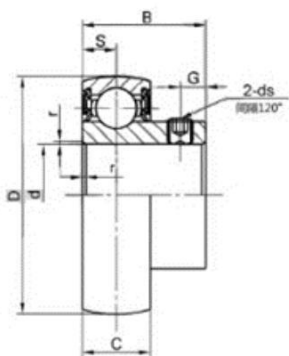
All measurements in millimetres. When ordering please use the catalogue no.

Narrow inner race, eccentric locking, light duty
Narrow inner ring with spherical outer ring
Lubrication groove with oil hole on set screw side on request
Anti-rotation pin on side opposite grease groove

Stainless steel bearing insert material:

1. Inner and Outer ring: AISI 440C
2. Balls: AISI 440C or 100Cr6
3. Retainer: AISI 304
4. Set screw and collar lock: AISI 304
5. Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber
6. Slinger: AISI 304

Stainless Steel Mini Bearing Insert SK000 - Set screw lock



Bearing No.	Shaft Diameter (mm)	Dimensions (mm)							Dynamic Load (kN)	Static Load (kN)	Weight (kg)
		D	B	C	S	r	G	ds			
SK 000	10	26	14	8	4	0,5	3	M3X0.35	3,5	1,73	0,03
SK 001	12	28	14,5	8	4	0,5	3	M3X0.35	3,93	2,39	0,04
SK 002	15	32	16,5	9	4,5	0,5	3,5	M4X0.5	4,3	2,51	0,05
SK 003	17	35	17,5	10	5	0,5	3,5	M4X0.5	4,62	2,79	0,07
SK 004	20	42	21	12	6	1	4	M5X0.5	7,22	4,46	0,11
SK 005	25	47	22,5	12	6	1	4,5	M5X0.5	7,74	4,96	0,15
SK 006	30	55	24,5	13	6,5	1,5	5	M5X0.5	10,18	6,91	0,21

All measurements in millimetres. When ordering please use the catalogue no.

Narrow inner race, set screw locking, light duty

Narrow inner ring with spherical outer ring

Lubrication groove with oil hole on set screw side on request

Anti-rotation pin on side opposite grease groove

Stainless steel bearing insert material:

1. Inner and Outer ring: AISI 440C

2. Balls: AISI 440C or 100Cr6

3. Retainer: AISI 304

4. Set screw and collar lock: AISI 304

5. Seal: Nitrile rubber (NBR) or FDA approved silicone (Si) rubber

6. Slinger: AISI 304

Stainless steel bearing units



Minimized environmental impact

Ecological sustainability

Lower operating cost

Improved welfare

Stainless Rod End

Stainless rod end units are suitable for the food industry and other demanding environments, due to the hygienic design and minimum of maintenance.



The stainless rod end units are characterized by high quality and finish for both the bearing and the bearing housing.

Our stainless rod end units are designed for the food industry and other industries with continuously heavier demands on the material resistance and a design for easy-to-clean.

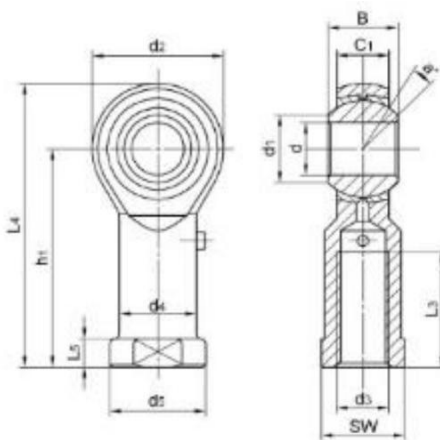
In order to reduce the risk of bacteria growth, this design is characterized by smooth surfaces and rounded corners.

SPHS Stainless Steel Female Brass Lined Rod End

BALL
440C Stainless Steel
Heat Treated
Precision Ground
Polished surface

BODY
Aisi 304 Stainless Steel
Polished surface

Race: Aisi 304 Stainless Steel Brass Lined



Bearing No.	Dimensions(mm)													Ball dia	a0	Load ratings (KN)		weight ≈Kg
	d H7	B	C1	d1	d2	d3-6H	h1	L3	(L4)	L5	d4	d5	sw			Dynamic	Static	
SPHS5	5	8	6	7.7	16	M5	27	11	35	4	9	11	9	11.11	13	2.5	6.6	0.016
SPHS6	6	9	6.75	8.9	18	M6	30	13	39	5	10	13	11	12.7	13	3.2	8.1	0.025
SPHS8	8	12	9	10.3	22	M8	36	16	47	5	12.5	16	14	15.87	14	5.4	12.6	0.043
SPHS10	10	14	10.5	12.9	26	M10	43	20	56	6.5	15	19	17	19.05	13	7.5	16.6	0.072
SPHS12	12	16	12	15.4	30	M12	50	23	65	6.5	17.5	22	19	22.22	13	10	22	0.107
SPHS14	14	19	13.5	16.8	34	M14	57	27	74	8	20	25	22	25.4	16	13	27.8	0.160
SPHS15	15	20	14	18.1	36	M14	61	30	79	8	21	26	22	26.98	16	14.5	29	0.186
SPHS16	16	21	15	19.3	38	M16	64	32	83	8	22	27	22	28.58	15	16	34.5	0.210
SPHS17	17	22	16	20.6	40	M16X1.5	67	34	87	10	24	31	27	30.16	14	18	36	0.259
SPHS18	18	23	16.5	21.8	42	M18X1.5	71	35	92	10	25	31	27	31.75	15	19.5	40.8	0.295
SPHS20	20	25	18	24.3	46	M20X1.5	77	39	100	10	27.5	34	30	34.92	14	23	46.5	0.380
SPHS22	22	28	20	25.8	50	M22x1.5	84	42	109	12	30	37	32	38.1	15	29	52.6	0.490
SPHS25	25	31	22	29.5	60	M24x2	94	48	124	12	33.5	42	36	42.86	15	40.5	74.1	0.750
SPHS28	28	35	24	32.29	66	M27x2	103	53	136	12	37	46	41	47.63	15	46.1	88.7	0.950
SPHS30	30	37	25	34.8	70	M30x2	110	56	145	15	40	50	41	50.8	17	54.3	94.0	1.130



The rod ends can be supplied with different pitch or accuracy of thread.

Left -hand thread, suffix "L" is added to bearing numbers. ex.: PHS20SSL M20×1.5-6H

Right-hand thread, suffix "R" is added to bearing numbers. ex.: PHS20SSR M20×1.5-6H

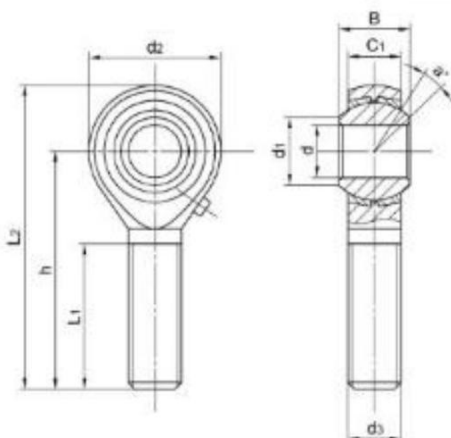
The rod ends can be supplied with a quick coupler for re-lubricated

SPOS Stainless Steel Male Brass Lined Rod End

BALL
440C Stainless Steel
Heat Treated
Precision Ground
Polished surface

BODY
Aisi 304 Stainless Steel
Polished surface

Race: Aisi 304 Stainless Steel Brass Lined



Bearing No.	Dimensions(mm)									Ball dia	a0 mis. angle	Load ratings (KN)		weight ≈Kg
	d H7	B	C1	d1	d2	d3-6g	h	L1	L2			Dynamic	Static	
SPOS5	5	8	6	7.7	16	M5	33	20	41	11.11	13	2.5	3.5	0.012
SPOS6	6	9	6.75	8.9	18	M6	36	22	45	12.7	13	3.2	4.8	0.019
SPOS8	8	12	9	10.3	22	M8	42	25	53	15.87	14	5.4	8.9	0.032
SPOS10	10	14	10.5	12.9	26	M10	48	29	61	19.05	13	7.5	12.5	0.054
SPOS12	12	16	12	15.4	30	M12	54	33	69	22.22	13	10	15.8	0.085
SPOS14	14	19	13.5	16.8	34	M14	60	36	77	25.4	16	13	22.1	0.126
SPOS15	15	20	14	18.1	36	M14	63	38	81	26.98	16	14.5	23.6	0.186
SPOS16	16	21	15	19.3	38	M16	66	40	85	28.58	15	16	25.9	0.185
SPOS17	17	22	16	20.6	40	M16x1.5	69	42	89	30.16	14	18	28.4	0.259
SPOS18	18	23	16.5	21.8	42	M18x1.5	72	44	93	31.75	15	19.5	30.8	0.260
SPOS20	20	25	18	24.3	46	M20x1.5	78	47	101	34.925	14	23	36.2	0.340
SPOS22	22	28	20	25.8	50	M22x1.5	84	51	109	38.1	15	29	42.6	0.435
SPOS25	25	31	22	29.5	60	M24x2	94	57	124	42.86	15	40.5	74.4	0.650
SPOS28	28	35	24	32.29	66	M27x2	103	62	136	47.63	15	46.1	88.7	0.875
SPOS30	30	37	25	34.8	70	M30x2	110	66	145	50.8	17	54.3	94.0	1.070



The rod ends can be supplied with different pitch or accuracy of thread.

Left-hand thread, suffix "L" is added to bearing numbers. ex.: POS20SSL M20×1.5-6g Right-hand thread, suffix "R" is added to bearing numbers. ex.: POS20SSR M20×1.5-6g

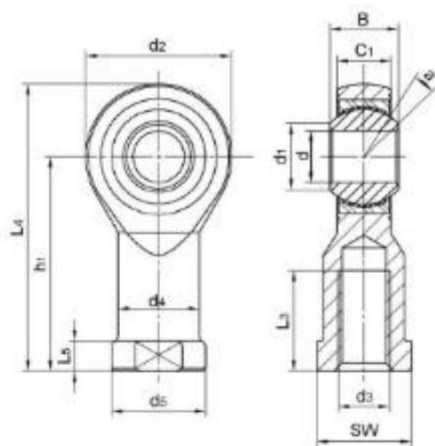
The rod ends can be supplied with a quick coupler for re-lubricated

SCHS Stainless Steel Female PTFE Composite Lined Rod End – Maintenance Free

BALL
440C Stainless Steel
Heat Treated
Precision Ground
Polished surface

BODY
Aisi 304 Stainless Steel
Polished surface

Race: Aisi 304 Stainless Steel
PTFE Composite lined



Bearing No.	Dimensions(mm)													Ball dia	a0	Load ratings (KN)		weight ≈Kg
	d H7	B	C1	d1	d2	d3-6H	h1	L3	(L4)	L5	d4	d5	sw			Dynamic	Static	
SCHS5	5	8	6	7.7	18	M5	27	10	36	4	9	11	9	11.11	13	3.2	8	0.016
SCHS6	6	9	6.75	8.9	20	M6	30	13	40	5	10	13	11	12.7	13	4.2	8.9	0.022
SCHS8	8	12	9	10.3	24	M8	36	16	48	5	12.5	16	13	15.87	14	7.1	14.1	0.047
SCHS10	10	14	10.5	12.9	28	M10	43	20	57	6.5	15	19	17	19.05	13	9.8	19.3	0.077
SCHS12	12	16	12	15.4	32	M12	50	22	66	6.5	17.5	22	19	22.22	13	13.2	23.5	0.100
SCHS14	14	19	13.5	16.8	36	M14	57	25	75	8	20	25	22	25.4	16	17	28	0.160
SCHS16	16	21	15	19.3	42	M16	64	28	85	8	22	27	22	28.58	15	21.4	32	0.220
SCHS18	18	23	16.5	21.8	46	M18X1.5	71	32	94	10	25	31	27	31.75	15	26	42.5	0.320
SCHS20	20	25	18	24.3	50	M20X1.5	77	33	102	10	27.5	34	30	34.92	14	31	47.5	0.420
SCHS22	22	28	20	25.8	54	M22X1.5	84	37	111	12	30	37	32	38.1	15	42.2	57	0.540
SCHS25	25	31	22	29.5	60	M24x2	94	42	124	12	33.5	42	36	42.86	15	52.7	68	0.730
SCHS28	28	35	24	32.29	66	M27x2	103	44	136	12	37	46	41	47.63	15	58.8	79	0.949
SCHS30	30	37	25	34.8	70	M30x2	110	51	145	15	40	50	41	50.8	17	70.7	88	1.100



The rod ends can be supplied with different pitch or accuracy of thread.

Left -hand thread, suffix "L" is added to bearing numbers. ex.: CHS20SSL M20×1.5-6H

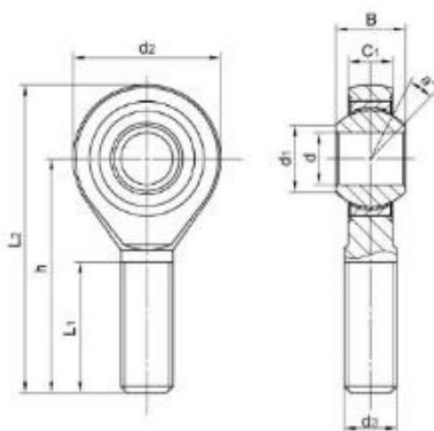
Right-hand thread, suffix "R" is added to bearing numbers. ex.: CHS20SSR M20×1.5-6H

SCOS Stainless Steel Male PTFE Composite Lined Rod End – Maintenance Free

BALL
440C Stainless Steel
Heat Treated
Precision Ground
Polished surface

BODY
Aisi 304 Stainless Steel
Polished surface

Race: Aisi 304 Stainless Steel
PTFE Composite lined



Bearing No.	Dimensions(mm)									Ball dia	a0 mis. angle	Load ratings (KN)		weight ≈Kg
	d H7	B	C1	d1	d2	d3-6g	h	L1	L2			Dynamic	Static	
SCOS5	5	8	6	7.7	18	M5	33	19	42	11.11	13	3.2	4.3	0.013
SCOS6	6	9	6.75	8.9	20	M6	36	21	46	12.7	13	4.2	6	0.020
SCOS8	8	12	9	10.3	24	M8	42	25	54	15.87	14	7.1	11	0.038
SCOS10	10	14	10.5	12.9	28	M10	48	28	63	19.05	13	9.8	17.4	0.055
SCOS12	12	16	12	15.4	32	M12	54	32	71	22.22	13	13.2	23.5	0.085
SCOS14	14	19	13.5	16.8	36	M14	60	36	79	25.4	16	17	28	0.140
SCOS16	16	21	15	19.3	42	M16	66	37	87	28.58	15	21.4	32	0.210
SCOS18	18	23	16.5	21.8	46	M18x1.5	72	41	95	31.75	15	26	42.5	0.280
SCOS20	20	25	18	24.3	50	M20x1.5	78	45	103	34.92	14	31	47.5	0.380
SCOS22	22	28	20	25.8	54	M22x1.5	84	48	112	38.1	15	42.2	57	0.480
SCOS25	25	31	22	29.5	60	M24x2	94	55	124	42.86	15	52.7	68	0.640
SCOS28	28	35	25	32.29	66	M27x2	103	62	136	47.63	15	58.8	79	0.949
SCOS30	30	37	25	34.8	70	M30x2	110	66	145	50.8	17	70.7	88	1.100



The rod ends can be supplied with different pitch or accuracy of thread.

Left-hand thread, suffix "L" is added to bearing numbers. ex.: COS20SSL M20×1.5-6g Right-hand thread, suffix "R" is added to bearing numbers. ex.: COS20SSR M20×1.5-6g

Stainless Rod End

Our stainless rod end units are designed for the food industry and other industries with continuously heavier demands on the material resistance and a design for easy-to-clean.



Minimized environmental impact

Ecological sustainability

Lower operating cost

Improved welfare

Hygienic ASME fittings

The product range includes a comprehensive selection of fittings with internal surface finishes with a roughness average (Ra) of $< 0.4 - 0.8 \mu$, either electro polished or mechanically polished. Fittings in this range comply with ASME dimension standards.



Easy to source, install and clean

To connect equipment and processes where clean conditions are essential, we supply a comprehensive range of fittings, which provide maximum hygiene. All products meet key criteria for tight tolerances, a variety of finishes and uniform wall thicknesses. To provide customers with greater flexibility and fast, efficient delivery, Alfa Laval provides a tiered supply chain to ensure fittings meet customer demands for high quality at competitive prices.

Quality assurance

All our Hygienic Fittings undergo strict quality control procedures at every stage of manufacturing at our facilities. All products meet ISO 9001 and ISO 14001 standards, which define the requirements for quality management systems and environmental management systems, respectively.

Throughout sourcing, manufacturing and distribution, we adhere to stringent quality-control procedures. We label all product packaging with bar code, product information and manufacturing date. As a seal of quality, the mark is permanently etched onto the external surface.

Comprehensive range

We offer a comprehensive range of hygienic fittings with smooth, crevice-free design, superior corrosion-resistance and secure, self-aligning joints to ensure trouble-free flow. This includes unions, clamp fittings, flanges, bends, tees, reducers and tubes.

To ensure that exactly the right match for the process, we offer a wide variety of high quality uniform weld end fittings for all tube combinations. To match tolerances, we provide exact angles and uniform tube, bend and tee connections.

Matte, raw, bright and polished internal surface finishes are available with roughness averages (Ra) ranging from $<0.8-1.6 \mu\text{m}$.

Bends

Transporting process fluids by pipe often requires alterations in the line of flow. Key criteria for problem-free operation include strength and durability.

To provide maximum structural integrity and trouble-free flow, our manufacturing processes feature unusually tight tolerances along with uniform wall thicknesses, with all the angles exact and all tube, bend and tee connections uniform. A wide range of finishes, including matt, raw, bright and polished, is available.

Unions, clamp fittings and flanges

All our flanges and clamp fittings are designed for easy, rapid maintenance. Flanges and clamps with finger nuts are especially suited for processes in which the load on seals is extra high, where the easy checking and replacement of seals is important and where effective cleaning is required.

To supply the type of seal most appropriate for each particular process, we provide a wide range of options. These include seals made of nitrile rubber (NBR), fluorine rubber (FBR) and ethylene propylene (EPDM).

Unions are available to provide compliance with standards that include SMS, ISO, BS, IDF, DS, DIN and ASME.

Reducers

Reducers are used to connect tubes or pipes with different sizes or shapes. The stresses involved at these key points means reducers are often a prime location for leakages in a flow stream.

Reducers feature cylindrical welding ends and uniform wall thicknesses for all tube combinations, ensuring the right diameter and wall thickness for each specific flow stream.

Tees

In applications that involve fluid handling, different flow streams often have to be merged using tee pipes. We manufacture tees with uniform wall thickness, tight tolerances and a wide selection of different finishes, to ensure the greatest possible strength and long service life, as well as problem-free welding and assembly. Our tees are all made of AISI 304 or AISI 316L stainless steel and are available in 1–4-inch diameters and from DN10 to DN150.

Wide range of surface finishes

Our fittings are available with a wide range of surface finishes. Mechanical polishing uses a progressive series of abrasives – from coarse to fine grit – to produce a consistent internal finish that supports effective yet economical cleaning.

Tubes

The ranges of hygienic tubes help ensure the best possible levels of hygiene within any installation. The tubes are specially manufactured to provide maximum hygiene integrity in ultra-clean processes. Each range is also designed and manufactured to ensure dimensional accuracy and structural integrity, making them easy to install. It also makes sure that our tubes provide users with superior corrosion-resistance and unmatched service life.

Conveyor Roller in stainless steel or zinc plated steel

We provide you with gravity roller, driven roller, accumulating roller and taper curve roller these four types of rollers with different diameter from $\Phi 18$ to $\Phi 89$ and different types of materials such as carbon steel, aluminium, stainless steel, PVC etc.

You can choose different types of rollers to make up your roller conveyor equipment's, not only used to convey light or middle material unit which like less than 35kg carton box, medicine or beverage packing box, plastic box, tyre etc., the speed can reach 120 m/min; but also used to convey heavy material unit which like 1.5 ton pallet, steel workbox etc.

Gravity Conveyor Roller

Gravity conveying is the most simple and popular conveying. Roller running and slaved roller are passive. Goods are moved and conveyed by the gravity or human force. According to the arrangement ways, it is classified as leaning and horizontal



Driven Conveyor Roller



Drive conveyors could make the goods conveyed in accurate speed, steadily and reliably. According to the driving method, it could be classified as "belt convey" and "chain convey"

Taper Conveyor Roller

Steel sprocket welded with tube, make it capable to transmit higher torque, and meet the request of transportation of heavy duty load.

The bearing in the end of the sprocket is dismountable, good for maintenance and replacement.

Precision ball bearing and inner/outer bushes form the bearing unit which is very important, it is not only for good looking but further more for the roller running more smoothly and quiet

Precision ball bearing and inner/outer bushes form the bearing unit which is very important, it is not only for good looking but further more for the roller running more smoothly and quiet



Gravity Conveyor Roller

Gravity conveying is the most simple and popular conveying. Roller running and slaved roller are passive. Goods are moved and conveyed by the gravity or human force. According to the arrangement ways, it is classified as leaning and horizontal.

Gravity Conveyor Roller Specification

1. Steel bearing housing, precision bearing, sturdy and durable
2. Many options of diameter, wide range of load capacity
3. Could apply in high speed and conditions of -10 to +80

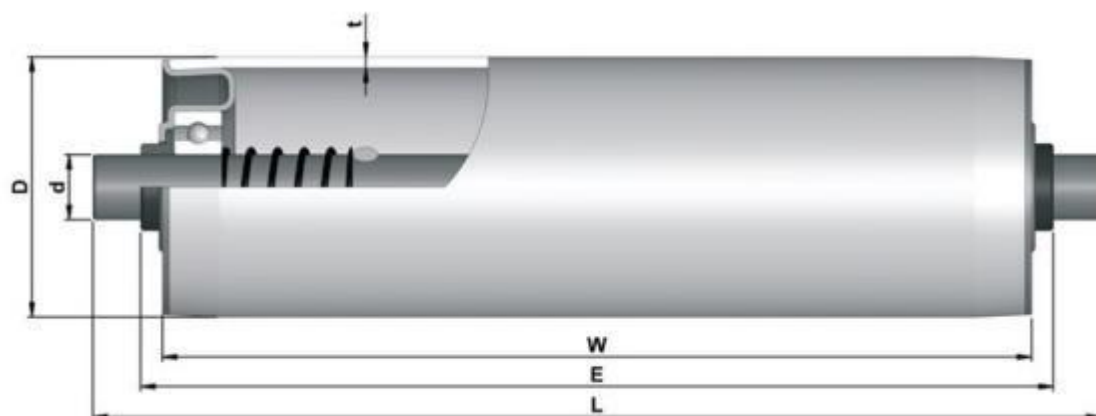
Gravity Conveyor Roller Description

1. The precision ball bearing is fixed by impact in the steel housing, tight and durable.
2. Tight steel bearing unit could bear more axial force than plastic bearing unit.
3. Make it possible for the roller to work in the high or low temperature beyond the plastic part bear (e. G. Oven or cold storage)
4. Complete series of diameter, wide range of load capacity.
5. Operation temperature: -10 to +80

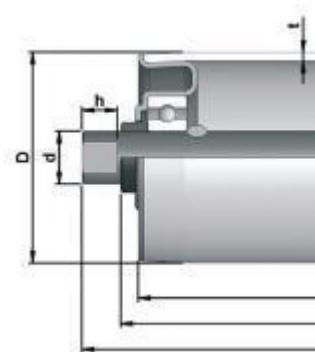
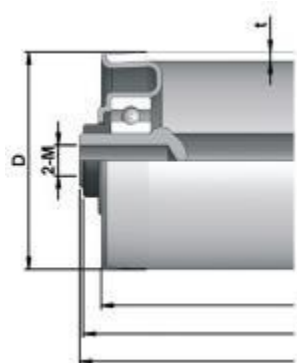


Diameter * thickness	Bearing	Shaft	Tube	
			Steel Z/P	Stainless
Φ38*1.2 mm	6001	Φ12	√	√
Φ38*1.5 mm	6001	Φ12		
Φ50.6*1.5 mm	6001/6002	Φ12, Φ15	√	√
Φ60*2 mm	6001/6002	Φ12, Φ15	√	√
Φ60*2.5 mm	6202	Φ15	√	
Φ63.5*3 mm	6205	Φ15, 17.5hex	√	
Φ76*3 mm	6202/6204	Φ15, Φ20	√	√
Φ80*3 mm	6204	Φ20	√	
Φ80*4 mm	6204	Φ20		
Φ89*3 mm	6204	Φ20	√	

Gravity Conveyor Roller Drawing

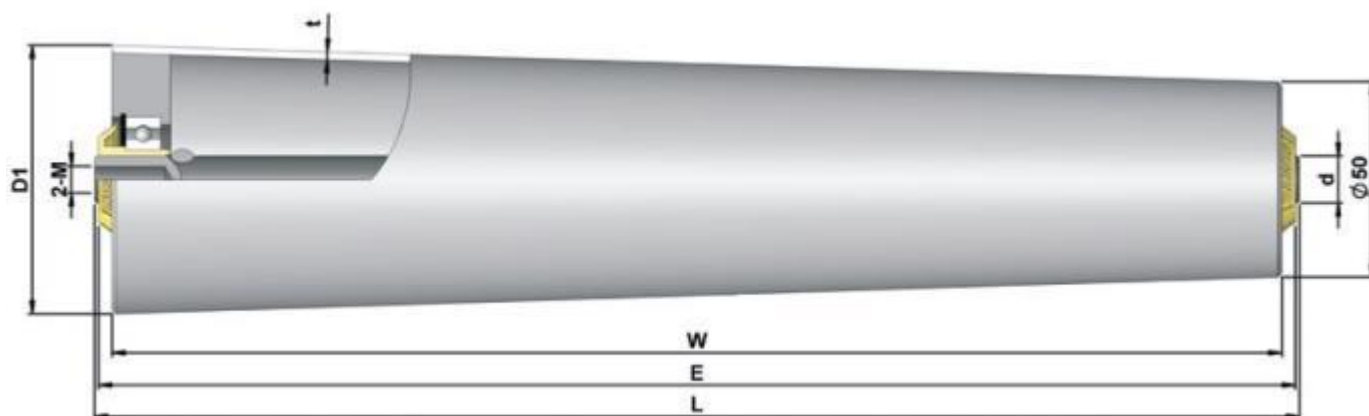


Spring loaded roller



Female threaded end

Flat milling end



Taped gravity roller

Driven Conveyor Roller

Drive conveyors could make the goods conveyed in accurate speed, steadily and reliably. According to the driving method, it could be classified as “belt conveyer” and “chain conveyer”

Driven Conveyor Roller Specification

1. Circle welding of sprocket and tube, steel bearing housing
2. High intensity, larger transmits torque, and higher load capacity
3. Could apply in the condition of -10 to +80



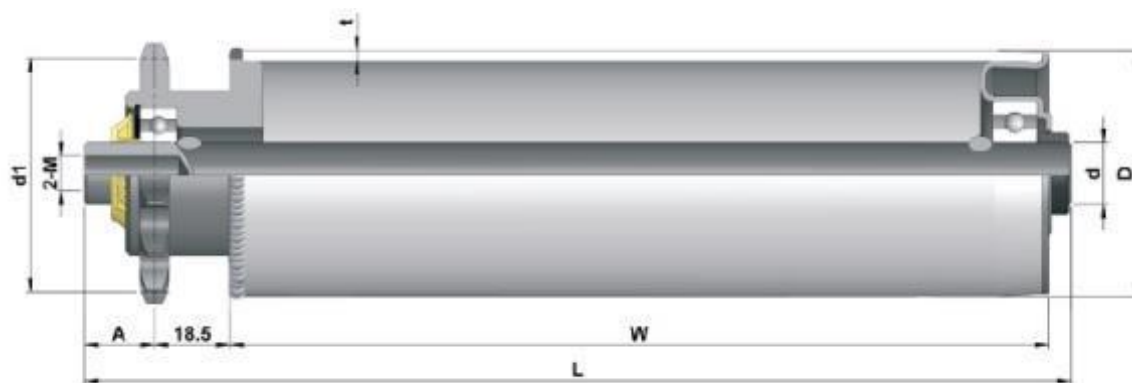
Driven Conveyor Roller Description

1. Steel sprocket welded with tube, make it capable to transmit higher torque, and meet with the request of transportation of heavy duty pallet.
2. The covering on the outside of the sprocket, well dust proof and water splash proof in operation environment.
3. The bearing in the end of the sprocket is dismountable, not only increase load capacity, but also helpful for maintenance.
4. The precision ball bearing is fixed by impact in the steel bearing house, tight and durable.
5. Tight steel bearing housing could bear heavier duty polymer bearing unit.
6. Temperature range: -10 to +80

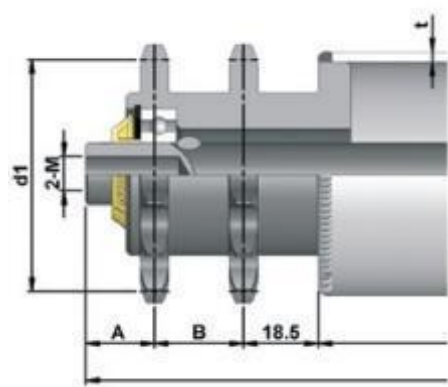
Diameter * thickness	Bearing	Shaft	Sprocket	Tube	
				Steel Z/P	Stainless
Φ50.6*1.5	6001	Φ12	08B11T	√	
Φ60*2	6001,6202,6002	Φ12,15	08B14T	√	√
Φ76*3	6202,6002	Φ15	08B14T	√	√
Φ80*3	6204,6004	Φ20	10B15T	√	
Φ89*3	6204,6004	Φ20	10B15T	√	



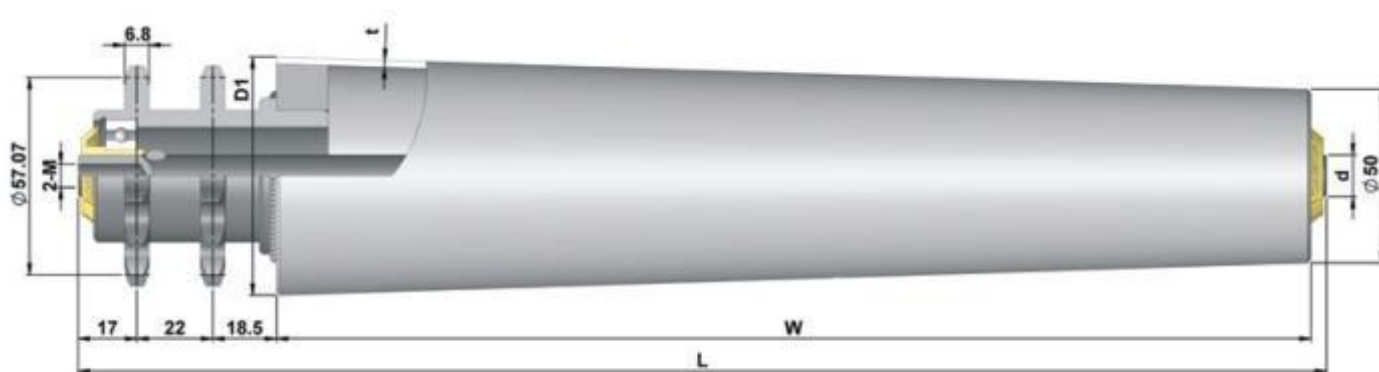
Driven Conveyor Roller Drawing



Single sprocket roller



Double sprocket roller



Driven tapered roller

Conveyor Roller

Gravity rollers



Taped gravity rollers



Single sprocket roller



Double sprocket roller



Sprocket taped rollers



Drum motor in stainless steel or zinc plated steel

Drum motor is mainly designed for limited space applications.

It is perfect for high efficiency and reliable quality.

This kind of drum motor is typically used in:

Mini X-ray machines

Package machines

Dynamic weighing equipment

Pharmaceutical handling

Food processing

Belt conveyors



Drum motors sizes:

Our drum motor standard diameter 80mm(A), 113mm(A) and 138mm with AGMA/DIN 6 aluminium gearbox and 80mm(B) and 113mm(B) with polymer gearbox

We also have drum motor in diameter 165mm, 174mm, 216mm and 320mm with AGMA/DIN 6 steel gearbox

Our drum motor length as per costumer request, considering a minimum length for motor and gear box

Drum motors characters:

- /// Drum motor shell in mild steel crowned shell treated with anti-rust oil
- /// Food grade drum motor shell can be supplied in Stainless steel Aisi 1.4301
- /// Gear transmission are machined and honed to AGMA/DIN 6 standards to ensure low noise
- /// Die cast aluminium gearbox
- /// Motor with common global voltages at 50 Hz or 60 Hz \ Motor windings insulation class F
- /// All motors with thermal protection \ Oil cooled electrical motor
- /// Cable length minimum 1.2 meters outside shaft
- /// Double shaft sealing system, sealing system-degree of protection IP66 / IP67
- /// Pre lubricated with oil, oil change recommended every 50,000 hours of operation



/// Other items

To be used in the horizontal position only

Belt speed and face width (L) on request

Non-standard drum motors are available on request

Conformity with CE directive 2006/95/EC

Drum motor 80B – 1 * 230VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min.L Weight (kg)
0.034/ 0.045	4	3	106.90	0.05	19.88	485	0.48	280	5
			77.70	0.08	14.92	364			
			56.50	0.10	10.87	265			
		2	19.40	0.30	3.73	91			
			14.10	0.40	2.71	66			
0.06/ 0.08	2	3	106.90	0.10	17.88	436	0.57	260	5
			77.70	0.14	12.90	315			
			56.50	0.20	9.41	230			
0.085/ 0.115	2	3	77.70	0.15	19.40	473	0.66	270	5
			56.50	0.21	14.10	344			
		2	19.40	0.62	4.85	118			
			14.10	0.85	3.52	86			
0.11/ 0.15	2	3	77.70	0.15	25.90	630	0.99	280	5
			56.50	0.21	18.80	459			
		2	19.40	0.61	5.91	144			
			14.10	0.84	4.24	103			

At the min. face width (L), the total weight of a drum motor grows approx.0.9 kgs per 100 mm.

Drum motor 80B – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min.L Weight (kg)
0.04/ 0.05	4	3	106.90	0.055	22.96	560	0.43	280	5
			77.70	0.08	16.40	400			
			56.50	0.10	12.33	300			
		2	19.40	0.30	4.23	103			
			14.10	0.40	3.07	75			
0.06/ 0.08	2	3	106.90	0.10	17.88	436	0.30	260	5
			77.70	0.14	12.90	315			
			56.50	0.20	9.41	230			
	4	3	77.70	0.08	25.43	620	0.36	280	5
			56.50	0.10	18.49	451			
0.09/ 0.12	2	3	106.90	0.11	25.83	630	0.43	270	5
			77.70	0.15	19.07	465			
			56.50	0.21	13.87	338			
		2	19.40	0.61	4.76	116			
			14.10	0.84	3.44	84			
0.12/ 0.16	2	3	77.70	0.16	25.43	620	0.53	280	5
			56.50	0.21	18.49	451			
		2	19.40	0.62	6.35	155			
			14.10	0.85	4.61	112			

At the min. face width (L), the total weight of a drum motor grows approx.0.9 kgs per 100 mm.

Drum motor 80B optional list-drum motor/idler pulley

Specifications	Drum motor	Idler pulley
Shell		
Mild steel crowned	1	1
Mild steel cylindrical	2	2
Stainless steel(std. 304) crowned	2	2
Stainless steel(std. 304) cylindrical	2	2
End housing (front & rear)		
Die cast aluminium	1	1
Stainless steel(std. 304)	2	2
Electrical motors		
1 or 3-phase asynchronous motor	1	
Voltage 1-230V/50Hz or 3-400v/50Hz	1	
Most common global voltages at 50 or 60 Hz	1	
Thermal protection	1	
Low temperature oil	2	
Food grade oil & grease (FDA and USDA)	2	
Electrical connection		
Elbow stainless steel cable connector	3	
Straight/elbow cable connector	1	
Oil resistant PVC cable	1	
LS halogen-free cable	2	

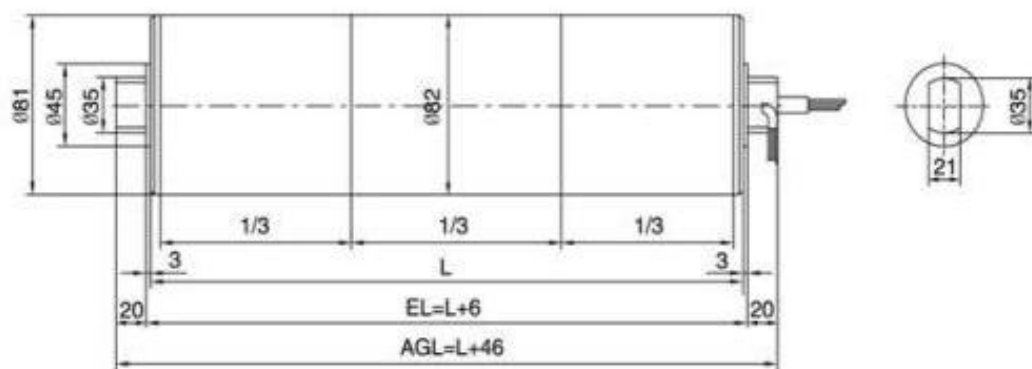
Note:

1– fitted as standard

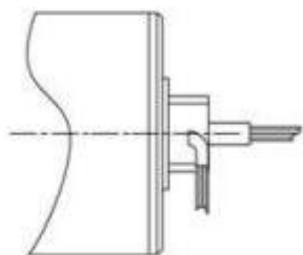
2– optional extras as non-standard

3– available as limited option but need to confirm with manufacturer

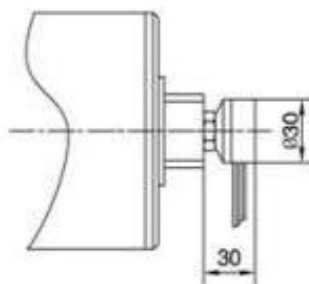
Drum motor 80B standard dimension



Straight/elbow cable connector



Elbow stainless steel cable connector



Drum motor 113B – 1 * 230VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min. L Weight (kg)
0.12/ 0.16	4	3	74.27	0.11	43.51	770	0.84	310	8
			56.59	0.15	38.42	680			
			43.07	0.19	30.33	537			
			37.36	0.22	24.45	436			
			32.72	0.25	22.17	392			
			28.36	0.29	18.59	329			
			24.56	0.34	16.01	283			
		2	16.83	0.50	12.20	216	0.84	290	8
			12.64	0.66	8.84	157			
			10.88	0.76	7.53	133			
			9.44	0.88	6.71	119			
			8.09	1.05	5.81	103			
0.15/ 0.20	4	3	43.07	0.19	37.91	671	1.24	320	9
			37.36	0.22	30.55	545			
			32.72	0.25	27.71	490			
			28.36	0.29	23.24	411			
			24.56	0.33	20.01	354			
		2	16.83	0.48	14.41	255	1.24	300	8
			12.64	0.64	11.05	196			
			10.88	0.75	9.42	167			
			9.44	0.86	8.38	148			
			8.09	1.00	7.26	129			
0.18/ 0.24	4	3	37.36	0.22	36.65	654	1.40	320	9
			32.72	0.25	33.25	588			
			28.36	0.29	27.89	494			
			24.56	0.33	24.01	425			
		2	16.83	0.48	18.31	324	1.40	300	8
			12.64	0.64	13.27	235			
			10.88	0.75	11.30	200			
			9.44	0.86	10.06	178			
			8.09	1.00	8.72	154			

At the min. face width (L), the total weight of a drum motor grows approx. 1.4 kgs per 100 mm.

Drum motor 113B – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min. L Weight (kg)
0.12/ 0.16	4	3	74.27	0.12	43.51	770	0.42	290	7
			57.59	0.15	38.42	680			
			43.07	0.20	30.33	537			
			37.36	0.23	24.40	436			
			32.72	0.26	22.17	392			
			28.36	0.30	18.59	329			
			24.56	0.35	16.01	283			
		2	16.83	0.50	12.20	216	0.47	270	6
			12.64	0.67	8.84	157			
			10.88	0.78	7.53	133			
			9.44	0.90	6.71	119			
			8.09	1.05	5.81	103			
			32.72	0.18	33.90	600			
			28.36	0.20	24.01	425			
0.15/ 0.20	4	3	43.07	0.20	37.91	671	0.47	310	8
			37.36	0.23	30.54	545			
			32.72	0.26	27.71	490			
			28.36	0.30	23.24	411			
			24.56	0.35	20.01	354			
			16.83	0.50	14.41	255			
			12.64	0.67	11.05	196			
		2	10.88	0.78	9.42	167	0.82	290	8
			9.44	0.89	8.38	148			
			8.09	1.05	7.26	129			
			28.36	0.20	30.02	531			
			37.36	0.23	36.65	654			
			32.72	0.26	33.25	588			
			28.36	0.30	27.89	494			
0.18/ 0.24	4	3	24.56	0.34	24.01	425	0.57	310	8
			16.83	0.50	18.31	324			
			12.64	0.66	13.27	235			
			10.88	0.77	11.30	200			
			9.44	0.89	10.06	178			
			8.09	1.05	8.72	154			
			28.36	0.29	38.73	686			
		2	24.56	0.34	33.35	590	0.84	300	8
			16.83	0.49	25.43	450			
			12.64	0.65	18.42	326			
			10.88	0.75	15.69	278			
			9.44	0.87	13.97	247			
			8.09	1.00	12.11	214			
			32.72	0.52	34.17	605			
0.25/ 0.34	4	3	28.36	0.60	28.66	507	1.02	310	10
			24.56	0.70	24.68	437			
			16.83	1.00	20.91	370			
		2	12.64	1.35	13.44	238		290	9
			10.88	1.58	11.76	208			
			9.44	1.80	10.45	185			
			8.09	2.10	9.41	167			

At the min. face width (L), the total weight of a drum motor grows approx. 1.4 kgs per 100 mm.

Drum motor 113B optional list - drum motor / idler pulley

Specifications	Drum motor	Idler pulley
Shell		
Mild steel crowned	1	1
Mild steel cylindrical	2	2
Stainless steel(std. 304) crowned	2	2
Stainless steel(std. 304) cylindrical	2	2
End housing (front & rear)		
Die cast aluminium	1	1
Stainless steel(std. 304)	2	2
Electrical motors		
1 or 3-phase asynchronous motor	1	
Voltage 1•230V/50Hz or 3•400v/50Hz	1	
Dual voltage 3•230/400v at 50Hz–star/delta connection	2	
Most common global voltages at 50 or 60 Hz	1	
Thermal protection	1	
Low temperature oil	2	
Food grade oil & grease (FDA and USDA)	2	
Electrical connection		
Straight/elbow cable connector	1	
Oil resistant PVC cable	1	
LS halogen-free cable	2	
Stainless steel elbow cable	2	

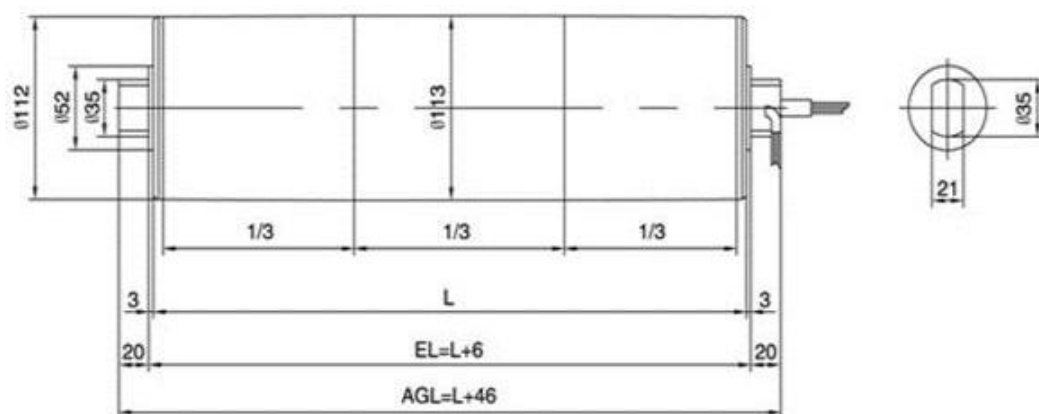
Note:

1– fitted as standard

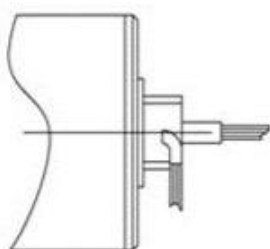
2– optional extras as non-standard

3– available as limited option but need to confirm with manufacturer

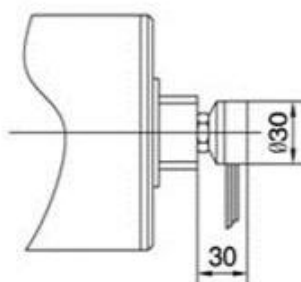
Drum motor 113B standard dimension



Straight/elbow cable connector



Elbow stainless steel cable connector



Drum motor 138 – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min.L Weight (kg)
0.25/ 0.34	6	3	58.87	0.11	162.15	2350	0.99	315	15
			53.21	0.13	135.10	1958			
			48.36	0.14	115.85	1679			
0.37/ 0.50	2	3	16.87	1.19	21.87	317	0.92	305	14
			15.33	1.32	19.46	282			
	4	3	58.87	0.17	150.01	2174	1.05	305	14
			53.21	0.19	133.31	1932			
			48.36	0.21	119.99	1739			
			37.23	0.28	95.98	1391			
			29.33	0.35	75.00	1087			
			26.51	0.39	66.65	966			
			24.10	0.42	60.03	870			
			18.55	0.55	48.02	696			
	6	2	16.87	0.60	43.75	634	1.50	350	17
			15.33	0.67	38.92	564			
			11.80	0.87	30.64	444			
		3	58.87	0.11	239.98	3478			
			53.21	0.13	199.96	2898			
			48.36	0.14	171.40	2484			
0.55/ 0.75	2	3	58.87	0.34	111.51	1616	1.28	305	14
			53.21	0.38	99.08	1436			
			48.36	0.42	89.22	1293			
			37.23	0.54	71.35	1034			
		2	29.33	0.69	55.75	808			
			26.51	0.76	49.54	718			
			24.10	0.84	44.57	646			
			18.55	1.10	35.67	517			
	4	3	58.87	0.17	222.94	3231	1.57	350	17
			53.21	0.19	198.17	2872			
			48.36	0.21	178.37	2585			
			37.23	0.27	142.69	2068			
		2	29.33	0.34	111.51	1616			
			26.51	0.38	99.08	1436			
			24.10	0.42	89.22	1293			
			18.55	0.54	71.35	1034			
		2	16.87	0.60	65.07	943			
			15.33	0.65	57.82	838			
			11.80	0.85	45.54	660			

At the min. face width (L), the total weight of a drum motor grows approx. 2.5 kgs per 100 mm.

Drum motor 138 – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min.L Weight (kg)
0.75/ 1.02	2	3	58.87	0.34	152.01	2203	1.63	350	17
			53.21	0.38	135.10	1958			
			48.36	0.41	121.65	1763			
			37.23	0.54	97.29	1410			
			29.33	0.68	76.04	1102			
			26.51	0.75	67.55	979			
			24.10	0.83	60.79	881			
			18.55	1.08	48.65	705			
		2	16.87	1.18	44.37	643	2.00	350	18
			15.33	1.30	39.40	571			
			11.80	1.68	31.05	450			
	4	3	48.36	0.21	243.23	3525			
			37.23	0.27	194.58	2820			
			29.33	0.34	152.01	2203			
			26.51	0.38	135.10	1958			
			24.10	0.42	121.65	1763			
			18.55	0.54	97.29	1410			
		2	16.87	0.60	88.73	1286			
			15.33	0.66	78.87	1143			
			11.80	0.85	62.10	900			
1.10/ 1.50	2	3	48.36	0.41	178.37	2585	2.62	350	18
			37.23	0.54	142.69	2068			
			29.33	0.68	111.50	1616			
			26.51	0.75	99.08	1436			
			24.10	0.83	89.22	1293			
			18.55	1.08	71.35	1034			
		2	16.87	1.18	63.69	923			
			15.33	1.30	57.82	838			
			11.80	1.69	45.54	660			

At the min. face width (L), the total weight of a drum motor grows approx.2.5 kgs per 100 mm.

Drum motor 138 optional list - drum motor / idler pulley

Specifications	Drum motor	Idler pulley
Shell		
Mild steel crowned	1	1
Mild steel cylindrical	2	2
Stainless steel(std. 304) crowned	2	2
Stainless steel(std. 304) cylindrical	2	2
Special crowns and grooves in shell	3	3
End housing (front & rear)		
Die cast aluminium	1	1
Stainless steel(std. 304)	2	2
Shaft (front & rear)		
Mild steel	1	1
Plated nickel	2	2
Stainless steel(std. 304)	2	2
Rubber lagging		
Cold black rubber lagging	2	2
Hot vulcanized black smooth rubber lagging	2	2
White and blue rubber lagging in food quality	2	2
Urethane lagging	2	2
Sprockets for modular belting	3	3
V-grooves in the rubber lagging	3	3
Electrical motors		
1 or 3-phase asynchronous motor	1	
Voltage 1-230V/50Hz or 3-400v/50Hz	1	
Dual voltage 3-230/400v at 50Hz-star/delta connection	2	
Most common global voltages at 50 or 60 Hz	1	
Thermal protection	1	
Low temperature oil	2	
Food grade oil & grease (FDA and USDA)	2	
Electrical connection		
Straight cable connector	1	
Elbow plastic cable connector	2	
Elbow stainless steel cable connector	2	
Aluminium terminal box with WAGO clamp	2	
Stainless steel terminal box with WAGO clamp	3	
Oil resistant PVC cable	1	
LS Halogen-free cable	2	
Screened cable (for VFD)	3	
Other options		
Mechanical backstop	2	
Electromagnetic brake	2	
Modified for vertical or angled mounting	3	
Operation with VFD	2	

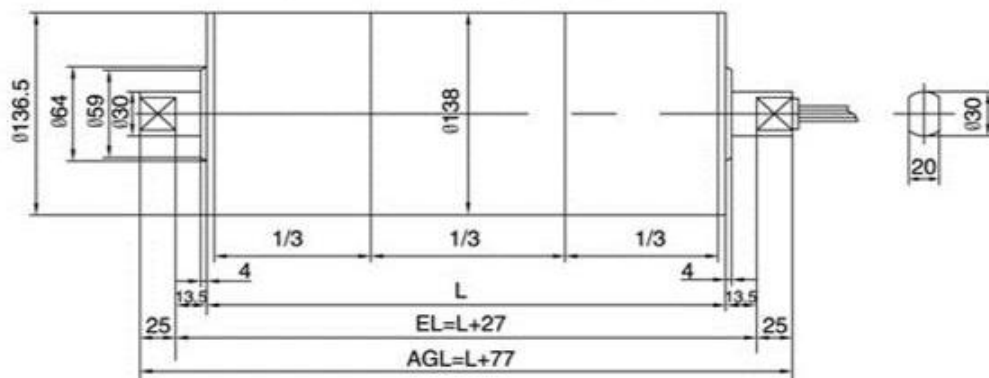
Note:

1– fitted as standard

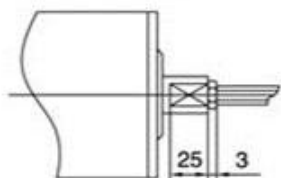
2– optional extras as non-standard

3– available as limited option but need to confirm with manufacturer

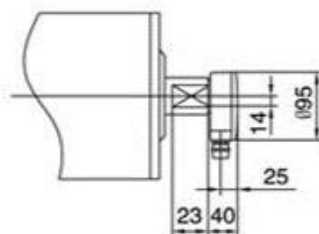
Drum motor 138 standard dimension



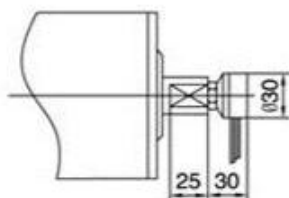
Straight cable connector



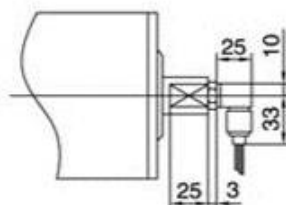
Terminal box connector



Elbow stainless steel cable connector



Elbow cable connector



Drum motor 165 – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min. L Weight (kg)
0.25/ 0.34	8	3	62.37	0.10	193.88	2350	1.32	400	36
			46.56	0.13	149.13	1808			
			39.31	0.16	121.17	1469			
			28.71	0.21	96.94	1175			
			24.23	0.25	77.55	940			
		2	19.64	0.31	61.88	750			
0.37/ 0.50	4	3	46.56	0.13	143.47	1739	0.98	400	36
			39.31	0.16	114.77	1391			
			28.71	0.21	89.67	1087			
			24.23	0.25	71.73	870			
			19.64	0.31	57.39	696			
		2	14.66	0.42	46.51	564			
	6	3	12.38	0.50	36.63	444	1.25	400	36
			19.64	0.62	29.30	355			
			14.66	0.82	220.72	2675			
			12.38	1.00	168.79	2046			
			62.37	0.13	286.94	3478			
		3	46.56	0.17	220.72	2675			
0.55/ 0.75	4	3	39.31	0.16	179.33	2174	1.58	450	43
			28.71	0.21	143.47	1739			
			24.23	0.25	114.77	1391			
			19.64	0.31	91.58	1110			
			14.68	0.41	73.26	888			
		2	12.38	0.50	58.61	710			
	6	3	62.37	0.19	213.26	2585	1.45	400	36
			46.56	0.26	170.61	2068			
			39.31	0.31	133.29	1616			
			28.71	0.42	106.63	1293			
			24.23	0.50	85.31	1034			
		2	19.64	0.61	69.14	838			
0.75/ 1.02	4	3	14.66	0.82	54.45	660	1.76	450	43
			12.38	1.00	43.56	528			
			62.37	0.13	328.10	3977			
			46.56	0.17	250.90	3041			
			62.37	0.20	290.81	3525			
		3	46.56	0.27	232.65	2820			
	6	3	39.31	0.32	181.76	2203	2.00	400	36
			28.71	0.43	145.41	1763			
			24.23	0.51	116.33	1410			
			19.64	0.63	94.29	1143			
			14.66	0.84	74.25	900			
		2	12.38	1.00	59.40	720			
	6	3	46.56	0.17	342.13	4147	2.23	450	43

At the min. face width (L), the total weight of a drum motor grows approx. 3.8 kgs per 100 mm.

Drum motor 165 – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min. L Weight (kg)
1.10/ 1.50	2	3	62.37	0.40	213.26	2585	2.24	400	36
			46.56	0.54	170.61	2068			
			39.31	0.63	133.29	1616			
			28.71	0.87	106.63	1293			
			24.23	1.03	85.31	1034			
			19.64	1.26	69.14	838			
		2	14.66	1.70	54.45	660			
			12.38	2.00	43.56	528			
	4	3	46.56	0.26	341.22	4136	2.83	450	43
			39.31	0.31	266.58	3232			
			28.71	0.43	213.26	2585			
			24.23	0.50	170.61	2068			
		2	19.64	0.62	133.29	1616			
			14.66	0.83	106.63	1293			
1.50/ 2.04	4	3	28.71	0.43	290.81	3525	3.55	450	43
			24.23	0.51	232.65	2820			
		2	19.64	0.63	188.57	2286			
			14.66	0.84	148.50	1800			
			12.38	1.00	118.80	1440			
2.20/ 3.00	2	3	46.56	0.53	341.22	4136	4.28	450	43
			39.31	0.62	266.58	3231			
			28.71	0.85	213.26	2585			
			24.23	1.00	170.61	2068			
		2	19.64	1.25	138.29	1676			
			14.66	1.68	108.90	1320			
			12.38	2.00	87.12	1056			

At the min. face width (L), the total weight of a drum motor grows approx. 3.8 kgs per 100 mm.

Drum motor 165 optional list - drum motor / idler pulley

Specifications	Drum motor	Idler pulley
Shell		
Mild steel crowned	1	1
Mild steel cylindrical	2	2
Stainless steel(std. 304) crowned	2	2
Stainless steel(std. 304) cylindrical	2	2
Special crowns and grooves in shell	3	3
End housing (front & rear)		
Die cast aluminium	1	1
Stainless steel(std. 304)	2	2
Cast iron	2	2
Shaft (front & rear)		
Mild steel	1	1
Plated nickel	2	2
Stainless steel(std. 304)	2	2
Rubber lagging		
Cold black rubber lagging	2	2
Hot vulcanized black smooth rubber lagging	2	2
White and blue rubber lagging in food quality	2	2
Urethane lagging	2	2
Sprockets for modular belting	3	3
V-grooves and diamond in the rubber lagging	3	3
Electrical motors		
3-phase asynchronous motor	1	
Voltage 3-400v/50Hz	1	
Dual voltage 3-230/400v at 50Hz-star/delta connection	2	
Most common global voltages at 50 or 60 Hz	1	
Thermal protection	2	
Low temperature oil	2	
Food grade oil & grease (FDA and USDA)	2	
Electrical connection		
Aluminium terminal box with WAGO clamp	1	
Stainless steel terminal box with WAGO clamp	3	
Straight cable connector	2	
Elbow plastic cable connector	3	
Elbow stainless steel cable connector	3	
Oil resistant PVC cable	1	
LS halogen-free cable	2	
Screened cable (for VFD)	3	
Other options		
Mechanical backstop	2	
Electromagnetic brake	2	
Modified for vertical or angled mounting	3	
Operation with VFD	2	

Note:

1– fitted as standard

2– optional extras as non-standard

3– available as limited option but need to confirm with manufacturer

The diagram shows a side view of a rectangular box with various dimensions and labels:

- Overall Height:** 162.5
- Internal Vertical Dimensions (from top):** 85, 75, 40.
- Internal Horizontal Divisions:** Three equal sections, each labeled 1/3.
- Horizontal Spacing from Left Edge:** 9, 21.5, L, 21.5, 9.
- Horizontal Spacing from Right Edge:** 9, 21.5, L, 21.5, 9.
- Bottom Labels:** EL=L+43, AGL=L+130.
- Right Side Detail:** A circular feature with diameter 40 and a vertical dimension of 30.

Technical drawing of a mechanical part showing a cross-section with a dimension of 43.54.

Technical drawing of a shaft-hub assembly. The shaft has a diameter of $\varnothing 9.5$ mm. The hub has an inner diameter of 14 mm and an outer diameter of 25 mm. The shaft is inserted into the hub, and the assembly is shown with a cross-section. The dimensions are: 14, 25, 41.540, and $\varnothing 9.5$.

Technical drawing of a door handle assembly. The drawing shows a side view of the handle mounted on a door. Dimensions are indicated: 43.5 for the distance from the door edge to the center of the handle, and 30 for the distance from the center of the handle to the edge of the door plate. A vertical dimension of 30 is also shown for the height of the handle from the door edge.

Drum motor 174 – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min.L Weight (kg)
0.25/ 0.34	8	3	62.37	0.11	186.10	2139	1.32	400	39
			46.56	0.14	146.04	1679			
			39.31	0.17	120.27	1382			
		2	28.71	0.21	97.35	1119			
			24.23	0.26	78.63	904			
			19.64	0.34	60.13	691			
0.37/ 0.50	4	3	46.56	0.14	144.10	1656	0.98	400	39
			39.31	0.17	116.38	1338			
			28.71	0.21	89.00	1023			
		2	24.23	0.26	72.04	828			
			19.64	0.34	57.10	656			
			14.66	0.42	46.84	538			
	6	3	12.38	0.53	36.79	423	1.25	400	39
			12.38	0.53	28.10	323			
			62.37	0.14	216.13	2484			
		2	46.56	0.18	168.10	1932			
			39.31	0.21	144.10	1656			
			28.71	0.26	116.38	1338			
0.55/ 0.75	4	3	19.64	0.34	90.89	1045	1.58	450	46
			14.66	0.42	73.58	846			
			12.38	0.53	58.31	670			
	6	3	62.37	0.21	214.19	2462			
			46.56	0.26	173.00	1988			
			39.31	0.34	132.30	1521			
	8	2	28.71	0.42	107.10	1231	1.45	400	39
			24.23	0.53	84.87	976			
			19.64	0.66	69.60	800			
		3	14.66	0.84	54.69	629			
			12.38	1.10	41.76	480			
			62.37	0.14	321.30	3693			
0.75/ 1.02	4	3	46.56	0.18	249.90	2872	1.76	450	46
			39.31	0.21	292.07	3357			
			28.71	0.26	236.00	2712			
	6	2	24.23	0.34	180.40	2074			
			19.64	0.42	146.04	1679			
			14.66	0.53	115.73	1330			
	8	2	12.38	0.66	94.91	1091	2.00	400	39
			12.38	0.84	74.57	857			
			12.38	1.10	56.95	655			
		3	46.56	0.18	340.75	3917			

At the min. face width (L), the total weight of a drum motor grows approx.3.8 kgs per 100 mm.

Drum motor 174 – 3 * 400VAC/50Hz (for other voltage and frequency, contact us)

Power (kw/hp)	No. of poles	Gear stages	Gear ratio	Nominal belt speed (m/s)	Full load torque (Nm)	Full load belt pull (N)	Full load current (A)	Min. face width (L) (mm)	Min. L Weight (kg)
1.10/ 1.50	2	3	62.37	0.42	214.18	2462	2.24	400	39
			46.56	0.53	169.73	1950			
			39.31	0.66	136.33	1567			
			28.71	0.84	107.10	1231			
			24.23	1.10	81.78	940			
		2	19.64	1.33	69.08	794			
			14.66	1.70	54.04	621			
			12.38	2.10	43.75	503			
	4	3	46.56	0.26	346.00	3977	2.83	450	46
			39.31	0.34	264.58	3041			
			28.71	0.42	214.19	2462			
			24.23	0.53	169.73	1950			
		2	19.64	0.66	136.33	1567			
			14.66	0.84	107.10	1231			
1.50/ 2.04	4	3	28.71	0.42	292.07	3357	3.55	450	46
			24.23	0.53	231.45	2660			
		2	19.64	0.66	189.82	2182			
			14.66	0.84	149.14	1714			
			12.38	1.10	113.89	1309			
2.20/ 3.00	2	3	46.56	0.53	339.46	3902	4.28	450	46
			39.31	0.66	272.60	3133			
			28.71	0.84	214.18	2462			
			24.23	1.10	163.56	1880			
		2	19.64	1.33	138.15	1588			
			14.66	1.70	108.08	1242			
			12.38	2.10	87.50	1006			

At the min. face width (L), the total weight of a drum motor grows approx. 3.8 kgs per 100 mm.

Drum motor 174 optional list - drum motor / idler pulley

Specifications	Drum motor	Idler pulley
Shell		
Mild steel crowned	1	1
Mild steel cylindrical	2	2
Stainless steel(std. 304) crowned	2	2
Stainless steel(std. 304) cylindrical	2	2
Special crowns and grooves in shell	3	3
End housing (front & rear)		
Die cast aluminum	1	1
Stainless steel(std. 304)	2	2
Cast iron	3	3
Shaft (front & rear)		
Mild steel	1	1
Plated nickel	2	2
Stainless steel(std. 304)	2	2
Rubber lagging		
Cold black rubber lagging	2	2
Hot vulcanized black smooth rubber lagging	2	2
White and blue rubber lagging in food quality	2	2
Urethane lagging	2	2
Sprockets for modular belting	3	3
V-grooves and diamond in the rubber lagging	3	3
Electrical motors		
3-phase asynchronous motor	1	
Voltage 3-400v/50Hz	1	
Dual voltage 3-230/400v at 50Hz-star/delta connection	2	
Most common global voltages at 50 or 60 Hz	1	
Thermal protection	2	
Low temperature oil	2	
Food grade oil & grease (FDA and USDA)	2	
Electrical connection		
Aluminum terminal box with WAGO clamp	1	
Stainless steel terminal box with WAGO clamp	3	
Straight cable connector	2	
Elbow plastic cable connector	3	
Elbow stainless steel cable connector	3	
Oil resistant PVC cable	1	
LS halogen-free cable	2	
Screened cable (for VFD)	3	
Other options		
Mechanical backstop	2	
Electromagnetic brake	2	
Modified for vertical or angled mounting	3	
Operation with VFD	2	

Note:

1– fitted as standard

2– optional extras as non-standard

3– available as limited option but need to confirm with manufacturer

Technical drawing of a shaft-hub assembly. The shaft has a diameter of 43.5 mm. The hub has a keyway. The drawing shows a cross-section of the assembly.

Technical drawing of a mechanical part showing a cross-section. The drawing includes dimensions: 43.5, 30, and a hole diameter of 30.

Drum motor applications

Our drum motor is mainly designed for limited space applications.

It is perfect for high efficiency and reliable quality.

This kind of drum motor is typically used in:

- Mini X-ray machines
- Package machines
- Dynamic weighing equipment
- Pharmaceutical handling
- Food processing
- Belt conveyors



Meat, poultry and fish processing
Food processing
Airport baggage handling systems
Packaging and weighing equipment
Postal sorter
Warehousing and vehicle loading
Assembly line equipment
Agricultural handling conveyors



Drum motor environmental consideration

/// Low /high ambient temperature:

Normal operating temperature +5°C to +40°C.

Below +5°C only with special oil and above +40°C only with special oil and external cooling.

/// Extremely dusty/abrasive wet/high humidity:

IP66/67 sealing, special finish, i.e. stainless steel, electro-galvanizing, nickel plating, rubber lagging.

/// Under water applications:

Where specified IP66/67, the drum motor has been tested for 30 minutes under 1 meter of water. However, the motor is not intended for continuous under water performance.

/// Frequent stop/start:

Stop/start 5 times per minute for diameter 80mm and 113mm

Stop/start 10 times per minute for diameter 138mm, 165mm and 174mm

/// Reversible conveyor.

Time delay between forward and reverse: The motor must come to a complete stop before reversing. Drum Motor installed in the middle of the conveyor is recommended.

/// Exact speed requirements

For encoder solution and frequency converter, where exact speeds are required, please consult us. The given nominal motor speed can deviate by +/- 10%.

Belt speed as specified in the catalogue and on the motor label is the calculated speed at rated diameter and full load.



Motor NEMA and IE3 in stainless steel

Stainless Steel motors are suitable for the following industries

- Food processing and production
- Marine
- Beverage
- Pharmaceutical
- And anywhere that requires a very clean sanitized environment. It is assumed that these motors will be steam cleaned, or chemically cleaned every day to wash away any contamination.



The motors can be supplied in TENV (Totally Enclosed Non Ventilated) form with no fan or fan cowl – or – TEFC (Totally Enclosed Fan Cooled) with a fan and stainless fan cowl. The TENV motors are more popular as they are easier to clean. (It is difficult to clean under the fan cowl without removing it).

EFFICIENCY

These motors can be supplied with EFF1, EFF2 and PREMIUM Efficiency levels and have been tested to IEC60034.2.1:2007 Method A. All the motors are suitable for use with Inverters and can be wound with special Inverter duty wire – if requested. All motors are supplied with 150 Deg. C. thermistors in the windings.

MOUNT FRAME

The motors are available in standard IEC frames from 63 to 160 in B3, B5, B35, and B14 configurations. The standard B3 foot mount motors can be easily modified to B5 or B14 for coupling to a suitable gearbox. The motors can also be produced to fit special OEM gearboxes such as SEW, Lenze, etc.

The standard Foot mount B3 motor can be easily modified to B3/B5 or B3/B14 by adding a separate flange ring. Likewise a B5 motor can be quickly and easily modified to be B14.



Stainless steel motor and gear advantage

Stainless Steel motors are designed and manufactured to operate in extreme conditions with high ambient temperatures, high humidity, water, steam, etc. These motors are IP66 as standard and can operate under water! The motors have a specially designed construction which avoids the use of through bolts or end shield bolts. The outer surfaces of the motors are completely smooth to make it easier to clean and wash away any dirt or food scraps that might collect on them.

The motors can be manufactured in Aisi 304 or Aisi 316L Stainless Steel. Standard motors are produced in Aisi 304 – for a long service life with no corrosion. The shafts are made from Aisi 420 as standard.

Standard motors are usually painted and it is not uncommon for flakes of paint to break free, when the motor starts to corrode, and contaminate food being processed. This is another advantage of stainless steel motors – there is no paint to break off.

The motors are fitted with special NTN Blue Seal bearings, as standard, which are suitable for a very wide range of temperatures with very low friction losses. The drive end is sealed with 2 oil seals and the shaft is induction hardened to ensure a long service life.

All motors are fitted with cable and tested running under water as part of the standard routine testing of these motors.

Stainless Steel motors are more expensive than standard cast iron or aluminum frame motors, but we are sure that the TOTAL COST OF OWNERSHIP for these motors is much less than standard motors. Standard motors do not last very long when subjected to steam cleaning or hot water chemical cleaning every day. When the motors fail the cost of the downtime and lost production can often be much more than the extra cost of a Stainless Steel motor. The expected life of a Stainless Motor is at least 15 years, so these motors should never fail under normal operating conditions, while a standard motor might only last 6 months.



Stainless Steel Motor 50Hz IE3

SSP 2 Pole 50Hz Stainless Steel Frames IE3 (PREMIUM)						
Motor Type	Output Kw	Full Load Speed (RPM)	IFL 400V (AMPS)	Full Load Torque (Nm)	Noise Level Lp 1m dB(A)	Net Weight (kg) TEFC
631-2	0.18	2855	0.37	0.6	70	10.5
632-2	0.25	2830	0.49	0.8	61	11.5
711-2	0.37	2875	0.74	1.2	60	14
712-2	0.55	2880	1.1	1.8	56	14.5
801-2	0.75	2885	1.4	2.5	61	21
802-2	1.1	2895	2	3.6	61	23.5
90S-2	1.5	2855	2.7	5	65	16
90L-2	2.2	2855	4	7.4	65	16
100L-2	3	2870	5.3	10	70	21
112M1-2	4	2840	7	13.4	74	32
112M2-2	5.5	2845	9.7	18.4	78	32
132S1-2	5.5	2935	9.4	17.9	80	42
132S2-2	7.5	2930	12.7	24.2	81	44
132M-2	11	2925	18.5	35.9	82	48
160M1-2	11	2940	18.9	35.7	80	110
160M2-2	15	2935	25.6	48.8	81	110
160L-2	18.5	2935	31.7	60.2	81	130

SSP 4 Pole 50Hz Stainless Steel Frames IE3 (PREMIUM)						
Motor Type	Output Kw	Full Load Speed (RPM)	IFL 400V (AMPS)	Full Load Torque (Nm)	Noise Level Lp 1m dB(A)	Net Weight (kg) TEFC
631-4	0.12	1390	0.32	0.8	47	11
632-4	0.18	1350	0.45	1.3	48	11.5
711-4	0.25	1440	0.58	1.7	60	14
712-4	0.37	1435	0.84	2.5	61	15
801-4	0.55	1410	1.22	3.7	61	20.5
802-4	0.75	1420	1.62	5.1	61	22.5
90S-4	1.1	1450	2.2	7.3	60	30
90L-4	1.5	1445	3	9.9	62	31
100L1-4	2.2	1445	4.3	14.5	61	38
100L2-4	3	1445	5.7	19.8	62	45
112M-4	4	1445	7	26.4	63	47
132S-4	5.5	1455	10.5	36.1	68	81
132M1-4	7.5	1455	14	49.1	69	94
132M2-4	11	1460	19.6	71.9	71	140
160M-4	11	1475	19.9	71.3	71	140
160L-4	15	1470	26.7	97.4	74	153

Stainless Steel Motor 60Hz IE3

SSP 2 Pole 60Hz Stainless Steel Frames IE3 (PREMIUM)						
Motor Type	Output Kw	Full Load Speed (RPM)	IFL 460V (AMPS)	Full Load Torque (Nm)	Noise Level Lp 1m dB(A)	Net Weight (kg) TEFC
631-2	0.18	3430	0.35	0.5	62	10.5
632-2	0.25	3420	0.48	0.70	61	11.5
711-2	0.37	3450	0.69	1.0	55	14
712-2	0.55	3430	1	1.5	56	14.5
801-2	0.75	3450	1.36	2.1	61	21
802-2	1.1	3470	1.95	3.0	61	23.5
90S-2	1.5	3475	2.4	4.1	65	30
90L-2	2.2	3475	3.5	6.1	65	30
100L-2	3	3485	4.6	8.2	70	39
112M1-2	4	3460	6	11.0	74	47
112M2-2	5.5	3465	8.3	15.2	78	47
132S1-2	5.5	3540	8.1	14.8	80	85
132S2-2	7.5	3540	10.9	20.2	81	85
132M-2	11	3535	15.9	29.7	82	100
160M1-2	11	3550	16.4	29.6	80	143
160M2-2	15	3540	22.1	40.5	81	143
160L-2	18.5	3540	27.3	49.9	81	145

SSP 4 Pole 60Hz Stainless Steel Frames IE3 (PREMIUM)						
Motor Type	Output Kw	Full Load Speed (RPM)	IFL 460V (AMPS)	Full Load Torque (Nm)	Noise Level Lp 1m dB(A)	Net Weight (kg) TEFC
631-4	0.12	1700	0.33	0.7	47	11
632-4	0.18	1700	0.48	1.0	48	11.5
711-4	0.25	1740	0.58	1.4	60	14
712-4	0.37	1740	0.83	2.0	61	15
801-4	0.55	1730	1.24	3.0	61	20.5
802-4	0.75	1730	1.62	4.1	62	22.5
90S-4	1.1	1755	1.9	6.0	60	30
90L-4	1.5	1750	2.6	8.2	62	31
100L1-4	2.2	1750	3.7	12.0	61	38
100L2-4	3	1750	5.1	16.4	61	45
112M-4	4	1755	6	21.8	63	47
132S-4	5.5	1760	9	29.8	68	81
132M1-4	7.5	1760	12.1	40.6	69	94
132M2-4	11	1765	16.9	59.5	71	140
160M-4	11	1775	17.4	59.1	71	140
160L-4	15	1775	23.3	80.7	74	153

Worm Gears in Stainless Steel

We are offering stainless steel gear series of high quality.

The series is developed specifically for the food industry and other industries continuously making heavier demands on the material resistance and a design easy-to-clean.

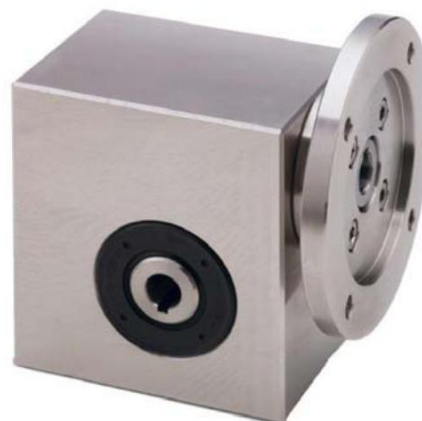
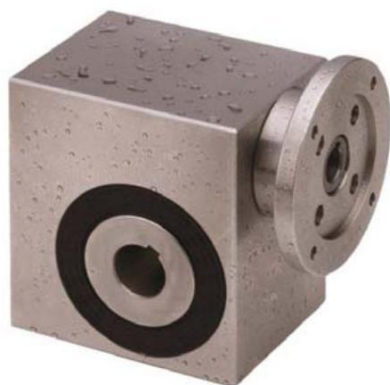
The gears are designed with a smooth and stainless steel gear housing and hollow shaft. The gears are lubricated for life and can also be supplied with a lubricant approved for the food industry. Oil sealing are made of nitrile rubber.

In order to reduce the risk of bacteria growth, this design is characterized by smooth surfaces without unnecessary flanges, recesses and mounting holes. It is also possible to supply the gears with torque arm, free worm and free output shaft. Other adaptations to be made on request.

In case a completely sanitary gear motor is required, we can offer the stainless steel worm gear to be fitted with a stainless AC motor or a servomotor.

The protection of the gears is IP65 and IP66 of stainless motors which ensure that the products can be cleaned with for instance water under pressure from all directions. To achieve an overall protection of IP66 by assembly of gears and motor, you have to use a gasket of nitrile rubber for the joint.

This means that the gear motors are ideal for free mounting without a traditional stainless safety covers in areas where hygiene requirements are highest. Hidden sources of pollution can thereby be avoided.



Worm Gears in Stainless Steel standard output ratio D40

STANDARD OUTPUT RATIOS FOR JSSTD40 ARE 1:7.5/10/15/20/25/30/40/50/60/80/100(11)							
MODEL	Motor	kW	Output RPM 4P Motor	Output Torque Nm	Transmission Ratio	Output Radial Force kN	fs
JSSTD40	SSP631-4	0.12	46.7	17.2	30	2.08	2.6
JSSTD40	SSP631-4	0.12	35	21	40	2.29	1.9
JSSTD40	SSP631-4	0.12	28	25	50	2.47	1.5
JSSTD40	SSP631-4	0.12	23.3	28	60	2.63	1.3
JSSTD40	SSP631-4	0.12	17.5	34	80	2.89	1
JSSTD40	SSP631-4	0.12	14	38	100	3.11	0.8
JSSTD40	SSP632-4	0.18	70	19	20	1.82	2
JSSTD40	SSP632-4	0.18	56	23	25	1.96	1.7
JSSTD40	SSP632-4	0.18	46.7	26	30	2.08	1.7
JSSTD40	SSP632-4	0.18	35	32	40	2.29	1.3
JSSTD40	SSP632-4	0.18	28	38	50	2.47	1
JSSTD40	SSP632-4	0.18	23.3	43	60	2.63	0.8
JSSTD40	SSP711-4	0.25	186.7	11	7.5	1.31	3.6
JSSTD40	SSP711-4	0.25	140	14	10	1.44	2.8
JSSTD40	SSP711-4	0.25	93.3	21	15	1.65	1.9
JSSTD40	SSP711-4	0.25	70	27	20	1.82	1.5
JSSTD40	SSP711-4	0.25	56	32	25	1.96	1.2
JSSTD40	SSP711-4	0.25	46.7	36	30	2.08	1.3
JSSTD40	SSP711-4	0.25	35	44	40	2.29	0.9
JSSTD40	SSP711-4	0.25	28	37	50	2.47	0.8
JSSTD40	SSP712-4	0.37	186.7	16	7.5	1.31	2.4
JSSTD40	SSP712-4	0.37	140	21	10	1.44	1.9
JSSTD40	SSP712-4	0.37	93.3	31	15	1.65	1.3
JSSTD40	SSP712-4	0.37	70	39	20	1.82	1
JSSTD40	SSP712-4	0.37	56	47	25	1.96	0.8
JSSTD40	SSP712-4	0.37	46.7	53	30	2.08	0.8

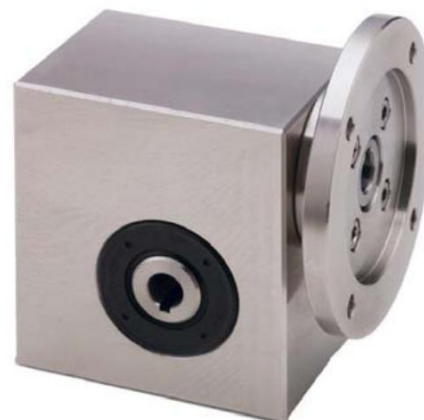
Worm Gears in Stainless Steel standard output ratio D40

SUMMARY OF RATIOS							
MODEL	Motor	kW	Output RPM 4P Motor	Output Torque Nm	Transmission Ratio	Output Radial Force kN	fs
JSSTD40	SSP711-4	0.55	186.7	11	7.5	1.31	3.6
JSSTD40	SSP711-4	0.55	140	14	10	1.44	2.8
JSSTD40	SSP711-4	0.55	93.3	21	15	1.65	1.9
JSSTD40	SSP712-4	0.37	70	39	20	1.82	1
JSSTD40	SSP712-4	0.37	56	47	25	1.96	0.8
JSSTD40	SSP632-4	0.18	46.7	26	30	2.08	1.7
JSSTD40	SSP632-4	0.18	35	32	40	2.29	1.3
JSSTD40	SSP631-4	0.12	28	25	50	2.47	1.5
JSSTD40	SSP631-4	0.12	23.3	28	60	2.63	1.3
JSSTD40	SSP631-4	0.12	17.5	34	80	2.89	1
JSSTD40	SSP631-4	0.12	14	38	100	3.11	0.8

Worm Gears in Stainless Steel

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Worm Gears in Stainless Steel standard output ratio D50

STANDARD OUTPUT RATIOS FOR JSSTD50 ARE 1:7.5/10/15/20/25/30/40/50/60/80/100 (11)

MODEL	Motor	kW	Output RPM 4P Motor	Output Torque Nm	Transmission Ratio	Output Radial Force kN	fs
JSSTD50	SSP631-4	0.12	23.3	29	60	3.61	2.3
JSSTD50	SSP631-4	0.12	17.5	35	80	3.97	1.9
JSSTD50	SSP631-4	0.12	14	40	100	4.28	1.4
JSSTD50	SSP632-4	0.18	35	32	40	3.15	2.3
JSSTD50	SSP632-4	0.18	28	39	50	3.39	1.9
JSSTD50	SSP632-4	0.18	23.3	43	60	3.61	1.6
JSSTD50	SSP632-4	0.18	17.5	52	80	3.97	1.2
JSSTD50	SSP632-4	0.18	14	60	100	4.28	0.9
JSSTD50	SSP711-4	0.25	70	26	20	2.5	2.7
JSSTD50	SSP711-4	0.25	56	32	25	2.69	2.2
JSSTD50	SSP711-4	0.25	46.7	37	30	2.86	2.3
JSSTD50	SSP711-4	0.25	35	46	40	3.15	1.7
JSSTD50	SSP711-4	0.25	28	54	50	3.39	1.4
JSSTD50	SSP711-4	0.25	23.3	60	60	3.61	1.1
JSSTD50	SSP711-4	0.25	17.5	72	80	3.97	0.9
JSSTD50	SSP712-4	0.37	140	21	10	1.98	3.3
JSSTD50	SSP712-4	0.37	93.3	31	15	2.27	2.4
JSSTD50	SSP712-4	0.37	70	40	20	2.5	1.8
JSSTD50	SSP712-4	0.37	56	48	25	2.69	1.5
JSSTD50	SSP712-4	0.37	46.7	55	30	2.86	1.5
JSSTD50	SSP712-4	0.37	35	68	40	3.15	1.1
JSSTD50	SSP712-4	0.37	28	80	50	3.39	0.9
JSSTD50	SSP712-4	0.37	23.3	89	60	3.61	0.8
JSSTD50	SSP801-4	0.55	186.7	25	7.5	1.8	2.9
JSSTD50	SSP801-4	0.55	140	32	10	1.98	2.2
JSSTD50	SSP801-4	0.55	93.3	46	15	2.27	1.6
JSSTD50	SSP801-4	0.55	70	59	20	2.5	1.2
JSSTD50	SSP801-4	0.55	56	71	25	2.69	1
JSSTD50	SSP801-4	0.55	46.7	81	30	2.86	1
JSSTD50	SSP801-4	0.55	35	80	40	3.15	0.9

Worm Gears in Stainless Steel standard output ratio D50

STANDARD OUTPUT RATIOS FOR JSSTD50 ARE 1:7.5/10/15/20/25/30/40/50/60/80/100 (11)							
MODEL	Motor	kW	Output RPM 4P Motor	Output Torque Nm	Transmission Ratio	Output Radial Force kN	fs
JSSTD50	SSP802-4	0.75	186.7	34	7.5	1.8	2.1
JSSTD50	SSP802-4	0.75	140	44	10	1.98	1.6
JSSTD50	SSP802-4	0.75	93.3	63	15	2.27	1.2
JSSTD50	SSP802-4	0.75	70	81	20	2.5	0.9

Worm Gears in Stainless Steel standard output ratio D50

SUMMARY OF RATIOS							
MODEL	Motor	kW	Output RPM 4P Motor	Output Torque Nm	Transmission Ratio	Output Radial Force kN	fs
JSSTD50	SSP802-4	0.75	186.7	34	7.5	1.8	2.1
JSSTD50	SSP802-4	0.75	140	44	10	1.98	1.6
JSSTD50	SSP802-4	0.75	93.3	63	15	2.27	1.2
JSSTD50	SSP802-4	0.75	70	81	20	2.5	0.9
JSSTD50	SSP801-4	0.55	56	71	25	2.69	1
JSSTD50	SSP801-4	0.55	46.7	81	30	2.86	1
JSSTD50	SSP801-4	0.55	35	80	40	3.15	0.9
JSSTD50	SSP712-4	0.37	28	80	50	3.39	0.9
JSSTD50	SSP712-4	0.37	23.3	89	60	3.61	0.8
JSSTD50	SSP711-4	0.25	17.5	72	80	3.97	0.9
JSSTD50	SSP632-4	0.18	14	60	100	4.28	0.9

Minimized environmental impact

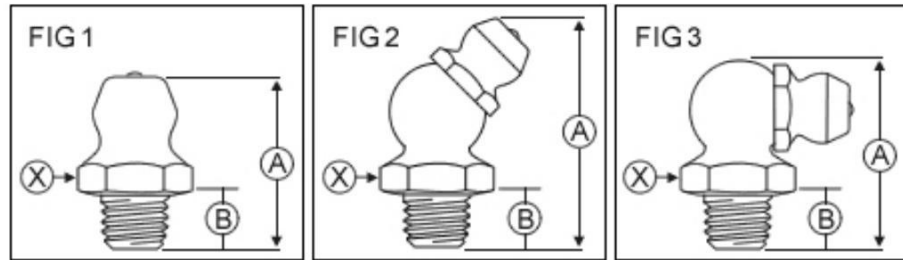
Ecological sustainability

Lower operating cost

Improved welfare

Stainless Steel Grease Fittings

Stainless Steel Grease Fittings withstand severe and corrosive environments and offer greater corrosion resistance than traditional carbon steel grease fittings. SAE Products Stainless Steel Grease Fittings are comprised of Type 303 stainless for fitting bodies, Type 440 stainless for balls and Type 302 stainless for tempered springs. Stainless Steel Grease Fittings are also referred to as Stainless Steel Grease Nipples, Stainless Steel Zerk Fittings, Stainless Steel Grease Zerks and Stainless Steel Lubrication Fittings.



Stainless Steel Grease Fittings available in 5mm, 6mm, 8mm, 10mm and 12mm
Stainless Steel Grease Fittings available as straight (FIG1), 45 degree (FIG2) and 90 degree (FIG3) shaped

NBR Oil seal DIN 3760 with stainless steel spring

Advantages

- Good static sealing
 - Compensation of different thermal expansion - Reduced risk of fretting corrosion
 - Higher bore surface roughness is allowed - Installation in split-housings
 - Modern lip design provides low radial forces
 - Stainless Aisi 304 spring
 - Completely rubber covered outer diameter
- Nitrile Rubber (NBR)
- * Good heat resistance up to 120C in oil.
 - * High tensile strength.
 - * Low swelling in water.



Type A are single lip seals
NOK type SC

Type AS are double lip seals
NOK type TC

