

BEARINGS AND BEARING UNITS

FOR HYGIENICALLY DEMANDING APPLICATIONS



PERFORMANCE UNDER HIGH LOAD

Movet bearing units are preferred for hygienically and technically demanding applications in industry. The low maintenance requirements and long service life are an essential quality feature for optimum running performance of your machine or system.

Different variations are available depending on the application. Achieve efficient solutions with Movet flange bearings and use the advantages for the food and pharmaceutical industry with food-compliant materials and the special design. Due to the standard dimensions, the flange bearings can also be easily replaced in existing constructions.



6 SPECIAL FEATURES

- Resistant to dirt and chemicals
- 100% corrosion resistant
- High breaking strength and dimensional stability
- Waterproof
- Excellent heat ageing behaviour
- Extra light construction

FITTING

- Bore: H7
- Recommended shaft tolerance field: g6

Blue flange bearings



Especially for the **high hygienic** requirements of the food industry, we offer process-safe storage units of the **Movet Blue Waterproof series**.

Blue components are increasingly present in plant construction and in the processing industry. Malfunctions and machine damage can cause components to get into the product being transported.

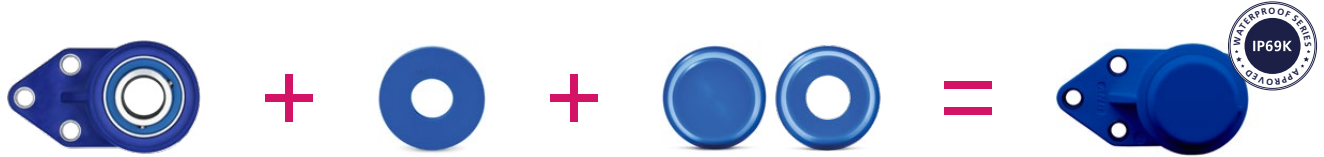
To **increase safety**, components should be easily visually recognisable or detectable with regard to foreign object monitoring in the event of a malfunction. For this reason, corresponding components are increasingly being designed in blue, as this basic colour is virtually non-existent in food and is therefore **easy to detect visually**.

CONTENT

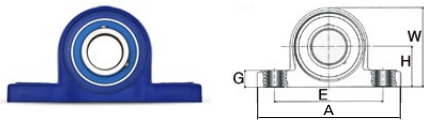
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MOVET **BLUE WATERPROOF** FLANGE BEARINGS

Our **Waterproof series** offers outstanding protection. The combination of special **flange bearings, shaft seals and protective caps** guarantees a longer service life and smooth operation, even in demanding conditions.



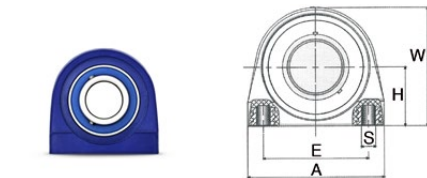
PILLOW BLOCK **PPLW**



TYPE	Ø SHAFT (H7)*	DIMENSIONS					WEIGHT	MAX. TIGHTENING- TORQUE	
	mm	A	E	G	H	W	kg	Ø	Nm
• PPLW204	20	127	95,3	14,2	33,3	65,5	0,29	M10	18
• PPLW205	25	141	105,0	14,5	36,5	71,0	0,34	M10	25
• PPLW206	30	163	119,0	17,8	42,9	84,0	0,54	M12	30

* recommended shaft tolerance field: g

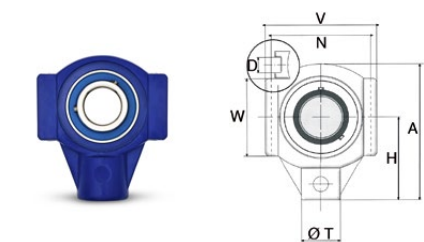
PILLOW BLOCK **TBLW**



TYPE	Ø SHAFT (H7)*	DIMENSIONS					WEIGHT	MAX. TIGHTENING- TORQUE	
	mm	A	E	H	S	W	kg	Ø	Nm
• TBLW204	20	72,8	50,8	33,3	M8	66	0,27	M8	18
• TBLW205	25	76,2	50,8	36,5	M10	74	0,33	M10	25
• TBLW206	30	101,0	76,2	42,9	M10	84	0,51	M10	30

* recommended shaft tolerance field: g

TAKE UP UNIT **TPLW**



TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT
	mm	A	D	H	N	T	V	W	kg
• TPLW204	20	99	12	64,0	76,2	36	89	47	0,33
• TPLW205	25	99	12	64,0	76,0	36	89	47	0,36
• TPLW206	30	125	12	76,2	89,0	40	103	63	0,63

* recommended shaft tolerance field: g

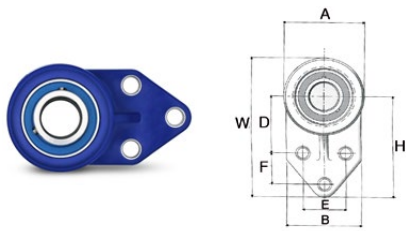
2-HOLE FLANGE BEARING **NFLW**



TYPE	Ø SHAFT (H7)*	DIMENSIONS				WEIGHT	MAX. TIGHTENING- TORQUE	
	mm	A	B	E	S	kg	Ø	Nm
• NFLW204	20	114	65	90,0	11	0,23	M10	18
• NFLW205	25	131	70	99,0	11	0,29	M10	25
• NFLW206	30	148	80	117,0	11	0,44	M10	30

* recommended shaft tolerance field: g

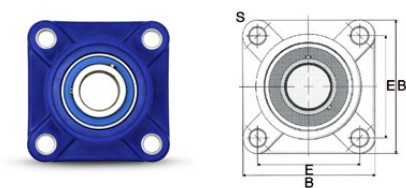
3-HOLE FLANGE BEARING **FBLW**



TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT	MAX. TIGHTENING- TORQUE	
		mm	A	B	D	E	F	H		W	kg
• FBLW204	20	63	62	42,9	38,1	22,2	76,2	108,0	0,24	M10	18
• FBLW205	25	69	63	46,0	41,3	28,6	85,7	120,6	0,30	M10	25
• FBLW206	30	83	76	52,4	47,6	31,8	96,5	138,5	0,48	M10	30

* recommended shaft tolerance field: g

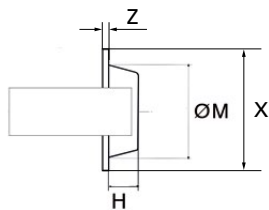
4-HOLE FLANGE BEARING **FPLW**



TYPE	Ø SHAFT (H7)*	DIMENSIONS			WEIGHT kg	MAX. TIGHTENING- TORQUE	
		mm	B	E		Ø	Nm
• FPLW204	20		87,5	64	0,27	M10	18
• FPLW205	25		95,0	70	0,31	M10	25
• FPLW206	30		107,0	83	0,44	M10	30
• FPLW208	40		130	102	0,83	M12	40

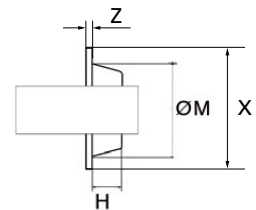
* recommended shaft tolerance field: g

Absolutely leak-proof thanks to **hygienically certified accessories**



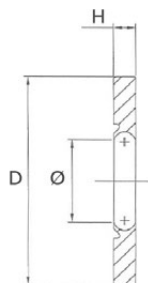
CLOSED PROTECTIVE CAP

TYPE	Ø SHAFT	DIMENSIONS			
	mm	H	M	X	Z
• 204CW	12 / 15 / 17 / 20	22	45	52	5
• 205CW	25	24	55	62	5
• 206CW	30	30	63	72	5
• 208CW	40	36	82	88	5



OPEN PROTECTIVE CAP

TYPE	Ø SHAFT	DIMENSIONS			
	mm	H	M	X	Z
• 204COW	20	22	45	52	5
• 205COW	25	24	55	62	5
• 206COW	30	30	63	72	5
• 208COW	40	36	82	88	5



BLUE SHAFT SEAL

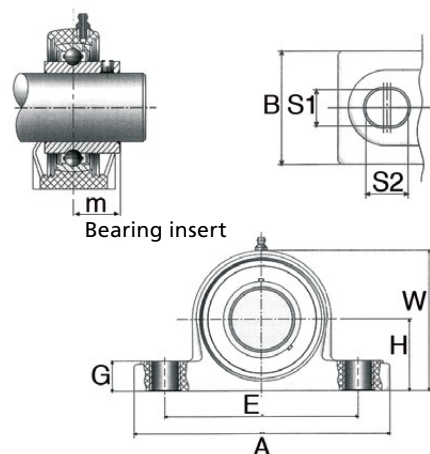
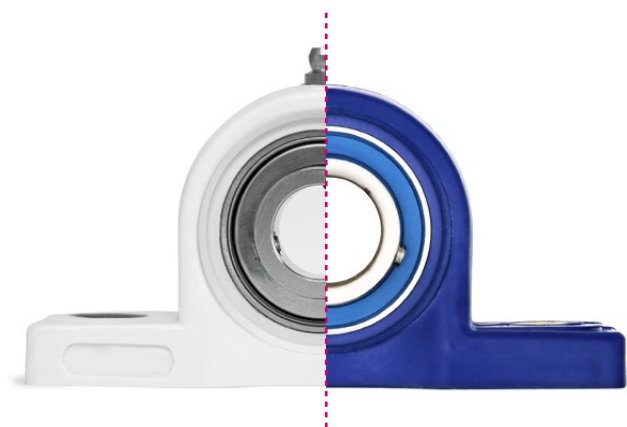
TYPE	Ø SHAFT	DIMENSIONS	
	mm	D	H
204DW	20 / 25	52	6
205DW	25 / 30	62	6
206DW	30 / 35	72	6
207DW	35	82	6
208DW	40	88	6

✓ Material: **TPU95** (FDA approved)

✓ Other sizes on request - **custom seals** are possible

✓ Protective caps and shaft seals can be made of **detectable material**

PILLOW BLOCK PPL



TYPE	Ø SHAFT (H7)*	DIMENSIONS								WEIGHT (MUC)	MAX. TIGHTENING- TORQUE	
		mm	A	B	E	G	H	S1	S2		W	kg
● ○ ● PPL201	12	127	38	95,0	14,2	33,3	11	14	65,5	0,33	M10	18
● ○ ● PPL202	15	127	38	95,0	14,2	33,3	11	14	65,5	0,31	M10	18
● ○ ● PPL203	17	127	38	95,0	14,2	33,3	11	14	65,5	0,30	M10	18
● ○ ● PPL204	20	127	38	95,0	14,2	33,3	11	14	65,5	0,29	M10	18
● ○ ● PPL205	25	141	38	105,0	14,5	36,5	11	14	71,0	0,34	M10	25
● ○ ● PPL206	30	163	46	119,0	17,8	42,9	14	18	84,0	0,54	M12	30
○ ● PPL207	35	168	48	127,0	18,0	47,6	14	18	95,0	0,75	M12	35
○ ● PPL208	40	184	54	137,0	19,5	49,2	14	18	99,0	0,97	M12	45
○ ● PPL209	45	192	54	146,0	24,0	54,0	17	20	106,0	1,12	M16	50
○ ● PPL210	50	206	60	159,0	24,0	57,2	17	20	114,0	1,30	M16	55

* recommended shaft tolerance field: g

TENSILE DIRECTION	BREAKING FORCE (NEWTON)						
	201-4	205	206	207	208	209	210
	8800	13700	12650	12750	13100	13360	13850
	7700	10000	10600	10800	11100	11400	11750
	5000	8100	5750	7500	8500	8950	9950



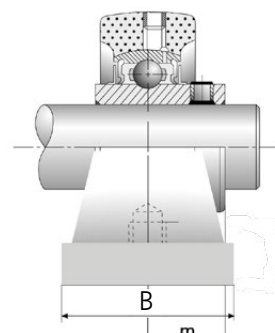
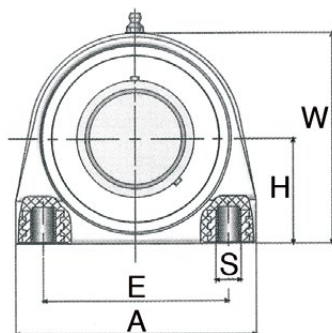
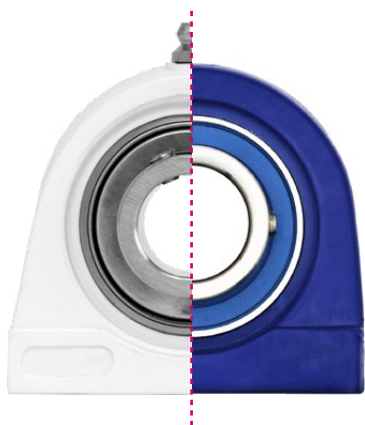
*A shaft seal can only be configured in combination with a **blue housing** and **MB bearing insert**.



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ MUC Stainless Steel ✓ B Steel ✓ PNS Plastic
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap ● Shaft seal blue/black*

PILLOW BLOCK TBL



Bearing insert

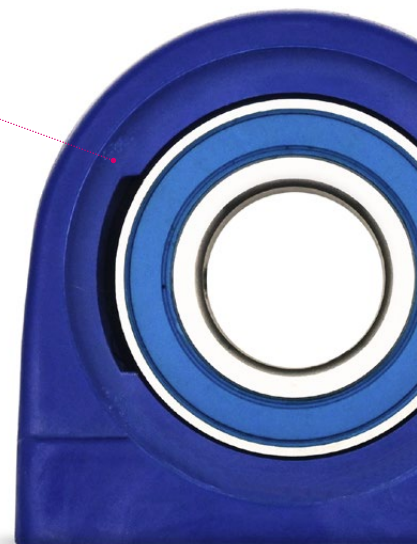
TYPE	Ø SHAFT (H7)*	DIMENSIONS						WEIGHT (MUC)	MAX. TIGHTENING- TORQUE	
		mm	A	B	E	H	S		Ø	Nm
● ○ ● TBL201	12		72,8	34,5	50,8	33,3	M8	0,31	M8	18
● ○ ● TBL202	15		72,8	34,5	50,8	33,3	M8	0,29	M8	18
● ○ ● TBL203	17		72,8	34,5	50,8	33,3	M8	0,28	M8	18
● ○ ● TBL204	20		72,8	34,5	50,8	33,3	M8	0,27	M8	18
● ○ ● TBL205	25		76,2	39,5	50,8	36,5	M10	0,33	M10	25
● ○ ● TBL206	30		101,0	42,5	76,2	42,9	M10	0,51	M10	30
○ ● TBL207	35		110,0	47,5	82,6	47,6	M10	0,75	M10	35
○ ● TBL208	40		120,0	48,0	88,9	49,2	M12	0,93	M12	45
○ ● TBL209	45		124,0	50,0	95,3	54,0	M12	1,03	M16	50

* recommended shaft tolerance field: g

TENSILE DIRECTION	BREAKING FORCE (NEWTON)						
	201-4	205	206	207	208	209	210
	8210	8540	10370	12150	12230	12900	13850
	6900	7010	6580	8080	9100	10400	11050
	2980	2850	4950	8160	9800	10710	11360

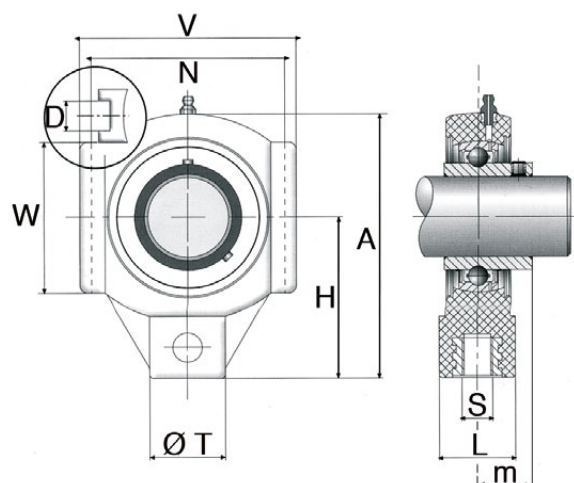
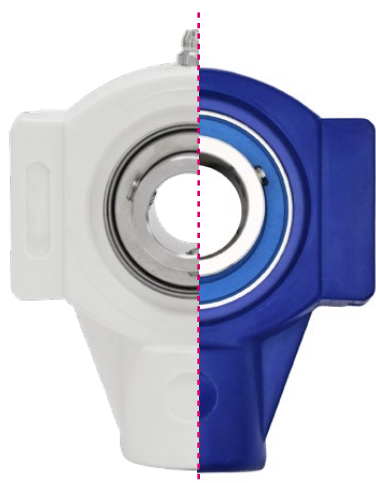


*A shaft seal can only be configured in combination with a **blue housing** and **MB bearing insert**.



VARIATIONS/ACCESSORIES

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Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ MUC Stainless Steel ✓ B Steel ✓ PNS Plastic
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap ● Shaft seal blue/black*

TAKE UP UNIT **TPL**

TYPE	Ø SHAFT (H7)*	DIMENSIONS									WEIGHT (MUC)
	mm	A	D	H	L	N	S	T	V	W	kg
● ○ ● TPL201	12	99	12	64,0	27,5	76,2	M16	36	89	47	0,37
● ○ ● TPL202	15	99	12	64,0	27,5	76,2	M16	36	89	47	0,35
● ○ ● TPL203	17	99	12	64,0	27,5	76,2	M16	36	89	47	0,34
● ○ ● TPL204	20	99	12	64,0	27,5	76,2	M16	36	89	47	0,33
● ○ ● TPL205	25	99	12	64,0	27,5	76,0	M16	36	89	47	0,36
● ○ ● TPL206	30	125	12	76,2	34,5	89,0	M16	40	103	63	0,63
○ ● TPL207	35	125	12	76,2	34,5	89,0	M16	40	103	63	0,75
○ ● TPL208	40	140	16	85,0	34,5	102,0	M16	40	113	80	0,93
○ ● TPL209	45	149	16	90,0	40,0	102,0	M20	50	117	85	1,02
○ ● TPL210	50	149	16	90,0	40,0	102,0	M20	50	117	85	1,18

* recommended shaft tolerance field: g

TENSILE DIRECTION	BREAKING FORCE (NEWTON)						
	201-4	205	206	207	208	209	210
	14800	15500	15800	16500	17300	18210	18860
	3930	4530	5100	6500	7800	8710	9750
	8500	10350	10900	11300	12150	12900	13550
	40770	45300	46100	44100	42800	44230	44880



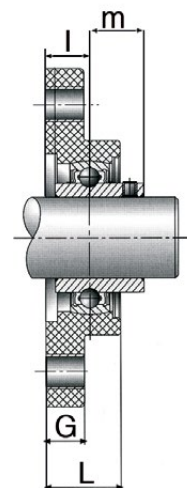
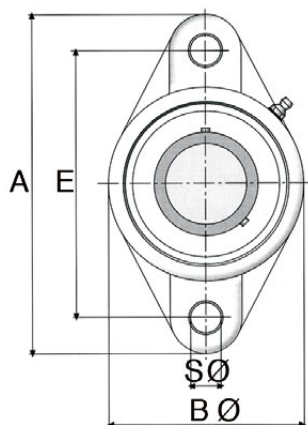
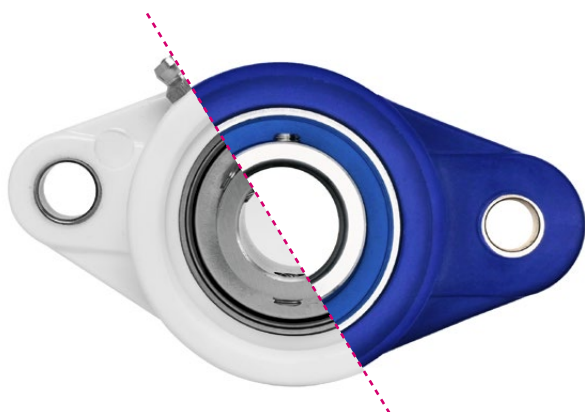
*A shaft seal can only be configured in combination with a **blue housing** and **MB bearing insert**.



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ MUC Stainless Steel ✓ B Steel ✓ PNS Plastic
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap ● Shaft seal blue/black*

2-HOLE FLANGE BEARING **NFL**



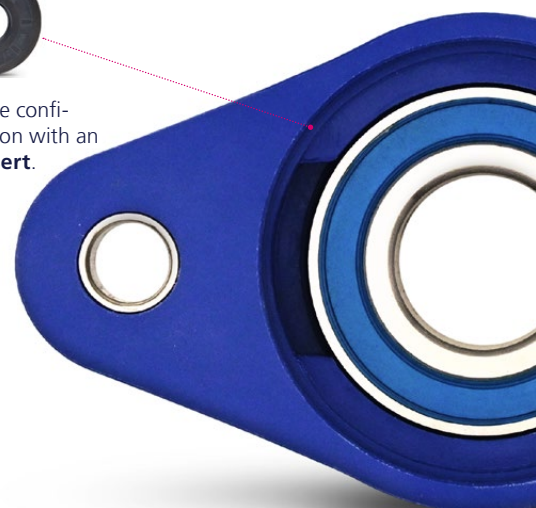
TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT (MUC)	MAX. TIGHTENING- TORQUE	
		mm	A	B	E	G	I	L		Ø	Nm
● ○ ● NFL201	12	114	65	90,0	11,4	15,4	27	11	0,27	M10	18
● ○ ● NFL202	15	114	65	90,0	11,4	15,4	27	11	0,25	M10	18
● ○ ● NFL203	17	114	65	90,0	11,4	15,4	27	11	0,24	M10	18
● ○ ● NFL204	20	114	65	90,0	11,4	15,4	27	11	0,23	M10	18
● ○ ● NFL205	25	131	70	99,0	13,5	17,0	29	11	0,29	M10	25
● ○ ● NFL206	30	148	80	117,0	13,3	19,0	31	11	0,44	M10	30
○ ● NFL207	35	164	90	130,0	16,1	18,0	33	13	0,65	M12	35
○ ● NFL208	40	176	101	144,0	20,5	21,5	38	14	0,85	M12	40
○ ● NFL209	45	189	108	148,5	21,5	24,0	41	17	0,97	M16	45
○ ● NFL210	50	197	115	157,0	21,5	25,0	43	17	1,13	M16	50

* recommended shaft tolerance field: g

TENSILE DIRECTION	BREAKING FORCE (NEWTON)						
	201-4	205	206	207	208	209	210
	11750	11375	16450	16900	17350	17600	17950
	11000	13850	13350	13950	14050	14300	14550
	8500	11100	14200	14900	14900	15150	15650



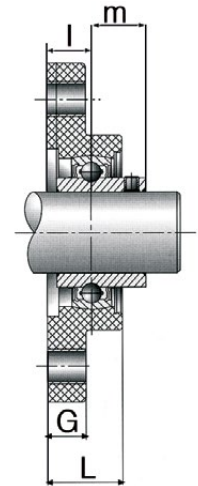
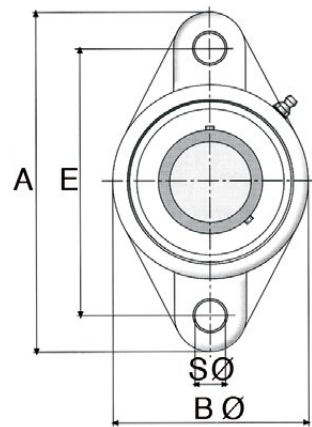
*A shaft seal can be configured in combination with an MB/B bearing insert.



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ MUC Stainless Steel ✓ B Steel ✓ PNS Plastic
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap ● Shaft seal blue/black*

2-HOLE FLANGE BEARING **LNFL**



TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT (MUC)	MAX. TIGHTENING- TORQUE	
		mm	A	B	E	G	I	L			
● ○ ● LNFL201	12	100	56	76,2	11,4	15,4	26	10,7	0,24	M10	16
● ○ ● LNFL202	15	100	56	76,2	11,4	15,4	26	10,7	0,22	M10	16
● ○ ● LNFL203	17	100	56	76,2	11,4	15,4	26	10,7	0,21	M10	16
● ○ ● LNFL204	20	100	56	76,2	11,4	15,4	26	10,7	0,20	M10	16

* recommended shaft tolerance field: g

TENSILE DIRECTION	BREAKING FORCE (NEWTON)
	201-203 LNFL
	10900
	10200
	8250



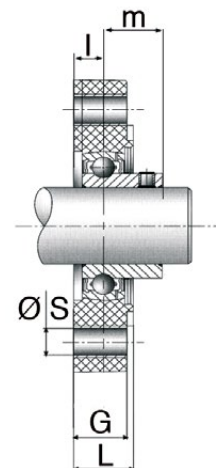
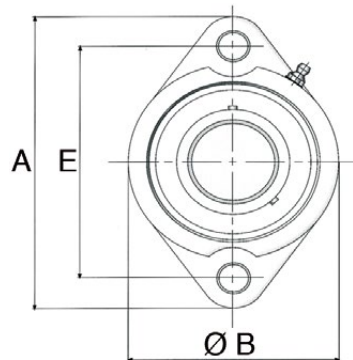
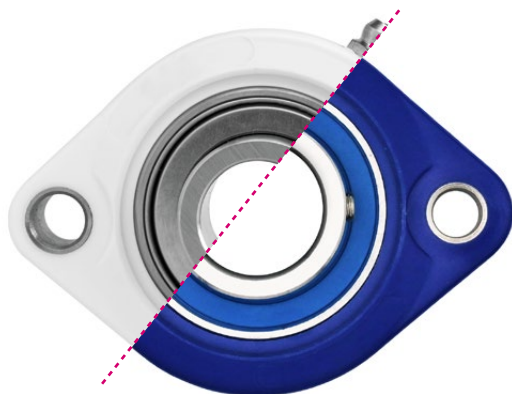
*A shaft seal can be configured in combination with an **MB/B bearing insert**.



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ MUC Stainless Steel ✓ B Steel ✓ PNS Plastic
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap ● Shaft seal blue/black*

2-HOLE FLANGE BEARING CTL



TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT (MB)	MAX. TIGHTENING TORQUE	
	mm	A	B	E	G	I	L	S	kg	Ø	Nm
● ○ ● CTL201	12	90,5	66	71,4	18,4	9,5	20	9	0,23	M8	15
● ○ ● CTL202	15	90,5	66	71,4	18,4	9,5	20	9	0,22	M8	15
● ○ ● CTL203	17	90,5	66	71,4	18,4	9,5	20	9	0,21	M8	15
● ○ ● CTL204	20	90,5	66	71,4	18,4	9,5	20	9	0,20	M8	15
● ○ ● CTL205	25	97,0	71	76,2	18,4	10,0	21	9	0,24	M8	15
● ○ ● CTL206	30	112,5	84	90,5	20,5	11,5	23	11	0,36	M10	20
○ ● CTL207	35	126,0	94	101,0	22,5	12,5	25	11	0,52	M10	25
○ ● CTL208	40	150,0	100	119,0	24,0	13,5	27	14	0,67	M12	30

* recommended shaft tolerance field: g

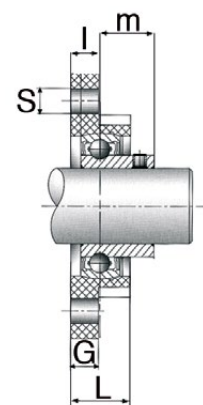
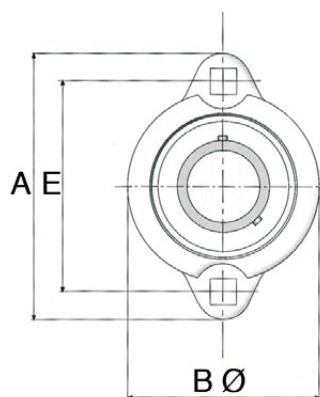
TENSILE DIRECTION	BREAKING FORCE (NEWTON)				
	204	205	206	207	208
	9900	10100	14000	14300	14700
	9300	11700	11300	11800	11900
	7200	9400	12000	12600	12800



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ B Steel
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap

2-HOLE FLANGE BEARING **LXL**

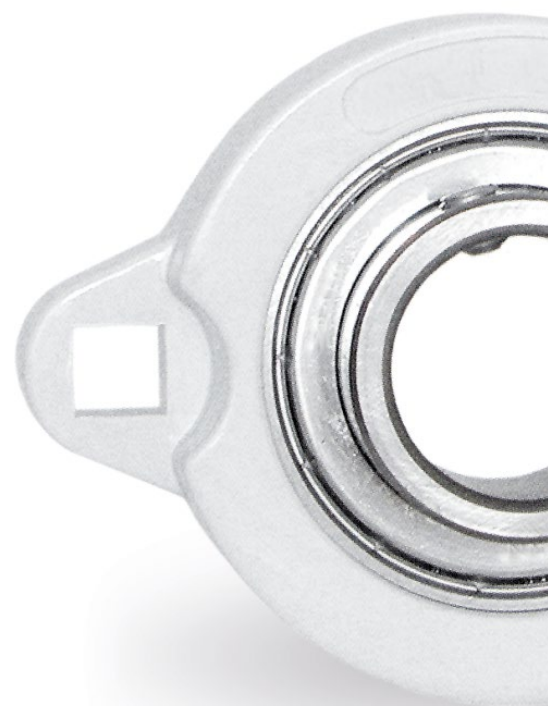


m: see data sheet
bearing insert

TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT (MB)	BOLTS
	mm	A	B	E	G	I	L	S	kg	Ø
○ LXL201	12	90	63	71,4	11	11	9	9,0	0,24	M8
○ LXL202	15	90	63	71,4	11	11	9	9,0	0,24	M8
○ LXL203	17	90	63	71,4	11	11	9	9,0	0,23	M8
○ LXL204	20	90	63	71,4	11	11	9	9,0	0,20	M8
○ LXL205	25	95	69	76,2	11	11	10	9,0	0,25	M8

* recommended shaft tolerance field: g

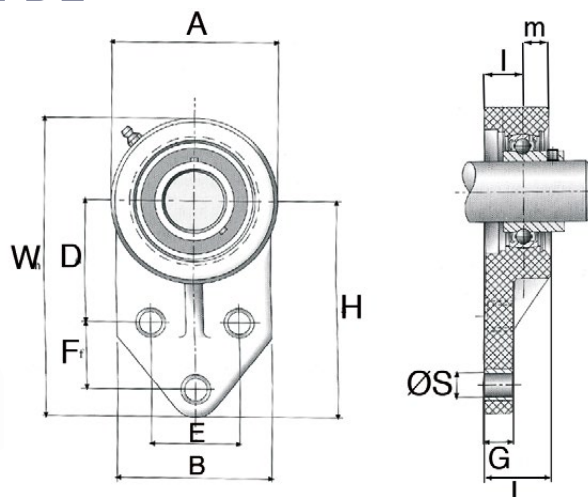
TENSILE DIRECTION	BREAKING FORCE (NEWTON)				
	203	204	205	206	207
	8000	8400	8800	11500	11800
	7800	8500	9200	10900	11600
	5200	6300	8600	10300	10500



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless steel ✓ MBG Stainless steel ✓ B Steel
Housing colours:	○ white
Accessories:	✓ Open protective cap ✓ Closed protective cap

3-HOLE FLANGE BEARING **FBL**



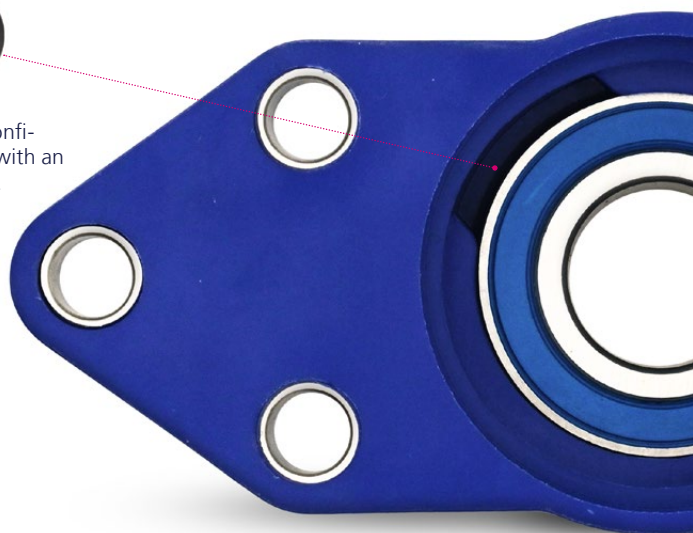
TYPE	Ø SHAFT (H7)*	DIMENSIONS											WEIGHT (MUC)	MAX. TIGHT- NING- TORQUE	
		mm	A	B	D	E	F	G	H	I	L	S			
● ○ ● FBL201	12	63	62	42,9	38,1	22,2	17	76,2	15,5	26	10,7	108,0	0,28	M10	18
● ○ ● FBL202	15	63	62	42,9	38,1	22,2	17	76,2	15,5	26	10,7	108,0	0,26	M10	18
● ○ ● FBL203	17	63	62	42,9	38,1	22,2	17	76,2	15,5	26	10,7	108,0	0,25	M10	18
● ○ ● FBL204	20	63	62	42,9	38,1	22,2	17	76,2	15,5	26	10,7	108,0	0,24	M10	18
● ○ ● FBL205	25	69	63	46,0	41,3	28,6	17	85,7	21,5	34	10,7	120,6	0,30	M10	25
● ○ ● FBL206	30	83	76	52,4	47,6	31,8	19	96,5	19,5	32	10,7	138,5	0,48	M10	30
○ ● FBL207	35	95	89	60,3	50,8	31,8	21	109,5	22	36	13,1	157,0	0,74	M12	35

* recommended shaft tolerance field: g

TENSILE DIRECTION	BREAKING FORCE (NEWTON)			
	201-4	205	206	207
	7200	9100	12200	12900
	9200	11100	11800	11900
	2600	2800	2900	3100



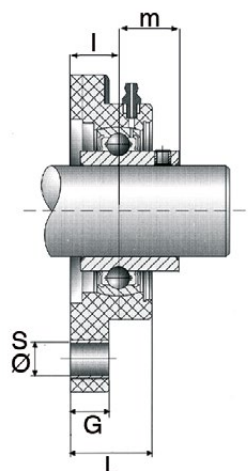
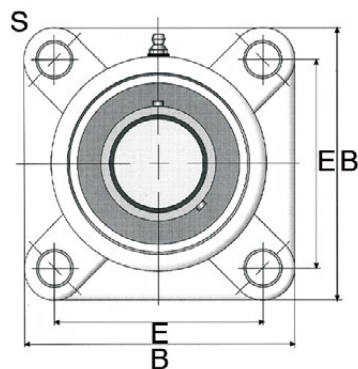
*A shaft seal can be configured in combination with an **MB/B bearing insert**.



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ MUC Stainless Steel ✓ B Steel ✓ PNS Plastic
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap ● Shaft seal blue/black*

4-HOLE FLANGE BEARING **FPL**



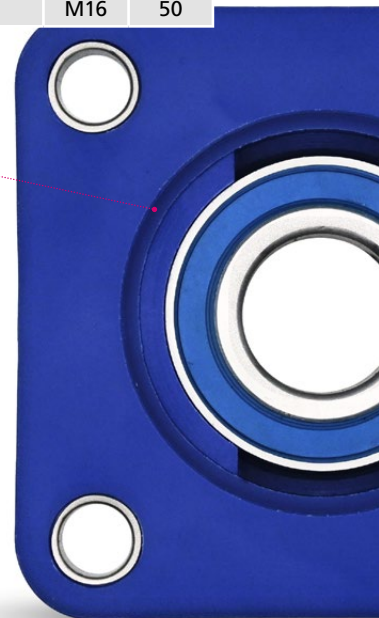
TYPE	Ø SHAFT (H7)*	DIMENSIONS						WEIGHT (MUC)	MAX. TIGHTENING- TORQUE	
		mm	B	E	G	I	L			
● ○ ● FPL201	12	87,5	64	13,4	17,5	27,8	11	0,33	M10	18
● ○ ● FPL202	15	87,5	64	13,4	17,5	27,8	11	0,31	M10	18
● ○ ● FPL203	17	87,5	64	13,4	17,5	27,8	11	0,30	M10	18
● ○ ● FPL204	20	87,5	64	13,4	17,5	27,8	11	0,29	M10	18
● ○ ● FPL205	25	95,0	70	14,3	17,0	28,2	11	0,35	M10	25
● ○ ● FPL206	30	107,0	83	14,3	19,2	31,5	11	0,50	M10	30
○ ● FPL207	35	118,0	92	15,5	21,5	34,8	13	0,74	M12	35
● ○ ● FPL208	40	130,0	102	17,2	23,0	37,5	14	0,96	M12	40
○ ● FPL209	45	137,0	105	19,3	24,0	40,8	17	1,09	M16	45
○ ● FPL210	50	143,0	111	21,5	25,0	42,3	17	1,26	M16	50

* recommended shaft tolerance field: g

TENSILE DIRECTION	BREAKING FORCE (NEWTON)						
	201-4	205	206	207	208	209	210
	15900	13000	18000	18500	19100	19350	19650
	10250	12150	17700	18500	19250	19350	19620
	3650	3350	3350	3520	3790	3850	3990



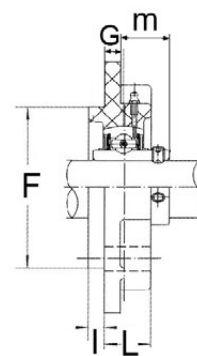
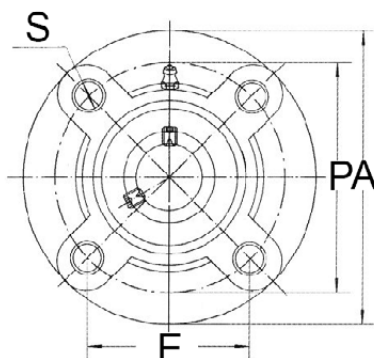
*A shaft seal can be configured in combination with an **MB/B** bearing insert.



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)
Bearing inserts:	✓ MB Stainless Steel ✓ MBG Stainless Steel ✓ MUC Stainless Steel ✓ B Steel ✓ PNS Plastic
Housing colours:	● blue without grease nipple ○ white ● black
Accessories:	✓ Open protective cap ✓ Closed protective cap ● Shaft seal blue/black*

4-HOLE FLANGE BEARING CF



m: see data sheet
bearing insert

TYP	Ø SHAFT (H7)*	DIMENSIONS								WEIGHT (MUC)	MAX. TIGHTENING TORQUE	
	mm	A	E	F	L	G	I	P	S	kg	Ø	Nm
○ CF204	20	100	55	62	21	7	5	78	12	0,26	M10	18
○ CF205	25	115	64	70	21	7	6	90	12	0,33	M10	25
○ CF206	30	125	70	80	23	8	8	100	12	0,44	M10	30
○ CF207	35	135	78	90	26	9	8	110	14	0,63	M12	35

* recommended shaft tolerance field: g

Other sizes on request.

TENSILE DIRECTION	BREAKING FORCE (NEWTON)			
	204	205	206	207
	15950	13000	18000	18500
	10250	12150	17700	18500
	8000	6800	6800	7200



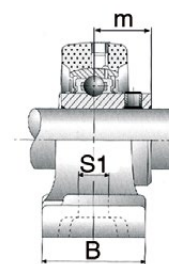
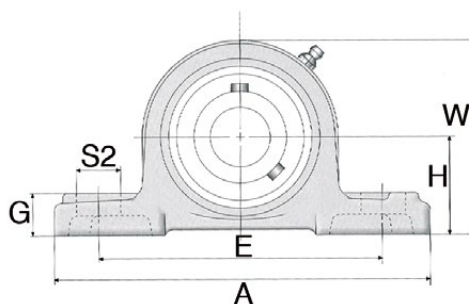
*A shaft seal can be configured in combination with an **MB/B bearing insert**.



VARIATIONS/ACCESSORIES

Material Housing:	✓ Plastic PBT (polybutylene terephthalate)			
Bearing inserts:	✓ MB Stainless Steel	✓ MBG Stainless steel	✓ B Steel	✓ PNS Plastic
Housing colours:	○ white			
Accessories:	✓ Open protective cap	✓ Closed protective cap	● Shaft seal blue/black*	

PILLOW BLOCK SP

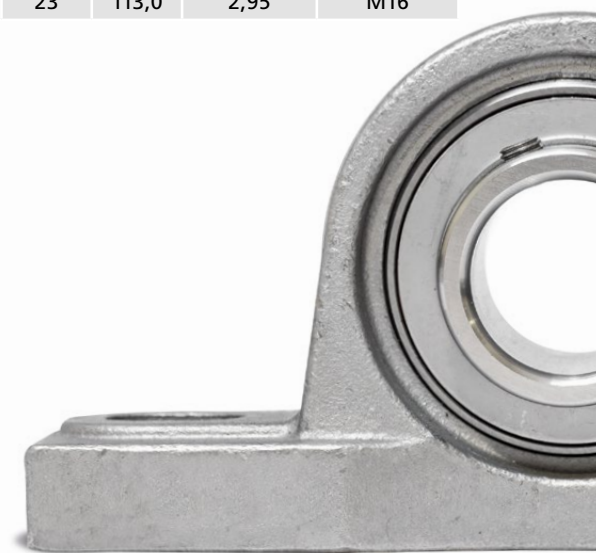


m: see data sheet
bearing insert

TYPE	Ø WELLE (H7)*	DIMENSIONS								WEIGHT (MUC)	BOLTS
	mm	A	B	E	G	H	S1	S2	W	kg	Ø
SP201	12	125	37	95,0	14	33,3	13	19	63,5	0,69	M10
SP202	15	125	37	95,0	14	33,3	13	19	63,5	0,67	M10
SP203	17	125	37	95,0	14	33,3	13	19	63,5	0,66	M10
SP204	20	125	37	95,0	14	33,3	13	19	63,5	0,65	M10
SP205	25	140	37	105,0	15	36,5	13	19	71,0	0,94	M10
SP206	30	163	48	121,0	17	42,9	17	20	82,0	1,38	M14
SP207	35	167	48	127,0	18	47,6	17	20	93,0	1,71	M14
SP208	40	184	54	137,0	18	49,2	17	20	100,0	2,10	M14
SP209	45	190	54	146,0	20	54,0	17	20	106,0	2,47	M14
SP210	50	206	60	159,0	21	57,2	20	23	113,0	2,95	M16

* recommended shaft tolerance field: g

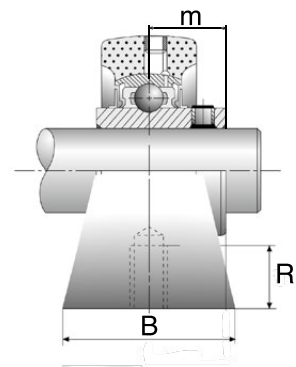
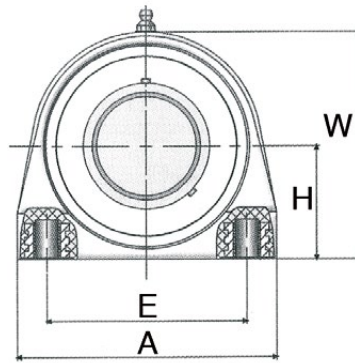
COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304
Housing	1.4308	SCS13



VARIATIONS/ACCESSORIES

Material Housing:	✓ Stainless steel			
Bearing inserts:	✓ MB Stainless steel	✓ MBG Stainless steel	✓ MUC Stainless steel	✓ PNS Plastic

PILLOW BLOCK SPA



TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT (MUC)	BOLTS
	mm	A	B	E		H	R	W	kg	Ø
SPA201	12	73,0	38	52		33,3	13	65	0,57	M8
SPA202	15	73,0	38	52		33,3	13	65	0,55	M8
SPA203	17	73,0	38	52		33,3	13	65	0,54	M8
SPA204	20	73,0	38		52	33,3	13	65	0,53	M8
SPA204 JIS	20	73,0	38		52	33,3	13	65	0,53	M10
SPA205	25	76,2	38	52		36,5	13	71	0,79	M10
SPA205 JIS	25	84,0	38		56	36,5	13	71	0,79	M10
SPA206	30	102,0	38	76		42,9	16	86	1,25	M10
SPA206 JIS	30	94,0	38		66	42,9	16	86	1,25	M14
SPA207	35	108,0	48	82,5		47,9	19	95	1,58	M10
SPA207 JIS	35	110,0	48		80	47,9	19	95	1,58	M14
SPA208	40	117,0	48	89		49,2	19	100	1,91	M12
SPA208 JIS	40	117,0	48		84	49,2	19	100	1,91	M14
SPA209	45	127,0	51	95		54,0	19	108	2,17	M12
SPA209 JIS	45	127,0	51		90	54,0	19	108	2,17	M14
SPA210	50	140,0	51	101,5		57,2	22	117	2,43	M16
SPA210 JIS	50	140,0	51		94	57,2	22	117	2,43	M16

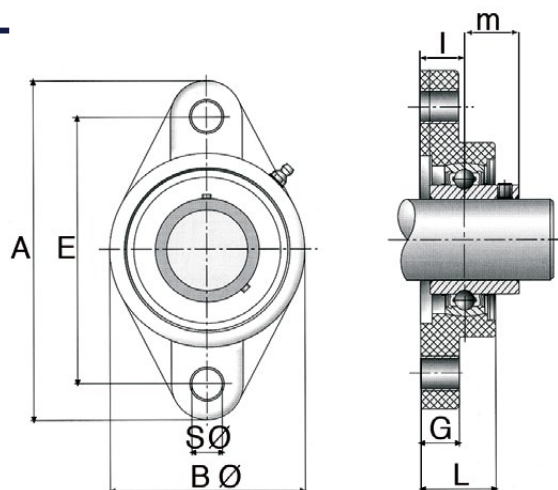
* recommended shaft tolerance field: g

COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304
Housing	1.4308	SCS13

VARIATIONS/ACCESSORIES

Material Housing:	✓ Stainless steel			
Bearing inserts:	✓ MB Stainless steel	✓ MBG Stainless steel	✓ MUC Stainless steel	✓ PNS Plastic

2-HOLE FLANGE BEARING SFL



TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT (MUC)	BOLTS
	mm	A	B	E	G	I	L	S	kg	Ø
SFL201	12	113	60,0	90	12	15	25,5	12,0	0,47	M10
SFL202	15	113	60,0	90	12	15	25,5	12,0	0,45	M10
SFL203	17	113	60,0	90	12	15	25,5	12,0	0,44	M10
SFL204	20	113	60,0	90	12	15	25,5	12,0	0,43	M10
SFL205 JIS	25	130	68,0	99	14	16	27,0	16,0	0,52	M12
SFL206 JIS	30	148	80,0	117	14	18	31,0	16,0	0,84	M12
SFL207	35	161	90,0	130	15	19	34,0	16,0	1,20	M12
SFL208	40	175	100,0	144	15	21	36,0	16,0	1,46	M12
SFL209	45	188	108,0	148	16	22	38,0	19,0	1,85	M16
SFL210	50	197	114,6	157	16	22	40,0	19,0	2,08	M16

* recommended shaft tolerance field: g

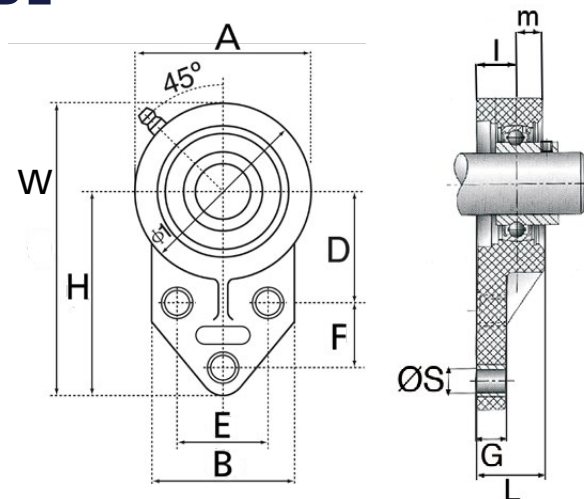
COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304
Housing	1.4308	SCS13



VARIATIONS/ACCESSORIES

Material Housing:	✓ Stainless steel			
Bearing inserts:	✓ MB Stainless steel	✓ MBG Stainless steel	✓ MUC Stainless steel	✓ PNS Plastic

3-HOLE FLANGE BEARING **SBL**

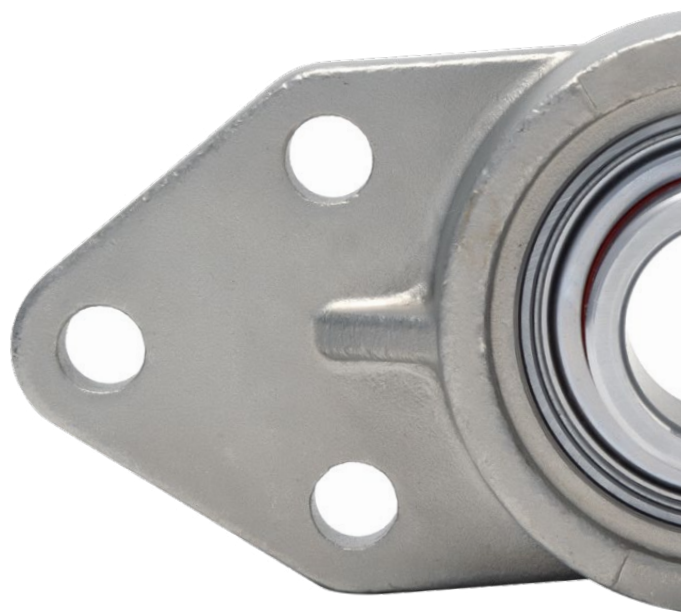


TYPE	Ø SHAFT (H7)*	DIMENSIONS										WEIGHT (MUC)	MAX. TIGHTENING- TORQUE	
	mm	A	B	D	E	F	H	I	L	S	W	kg	Ø	Nm
SBL204	20	63,5	60	42,9	38	22	52	16	26	9,5	108	0,54	M10	20
SBL205	25	69	63	46,0	41,3	28,6	85,7	14,5	28,5	9,5	120,6	0,70	M10	25
SBL206	30	83	70	52,4	47,5	31,8	96,5	18,5	32	9,5	130,3	0,80	M10	30

* recommended shaft tolerance field: g

Other sizes on request

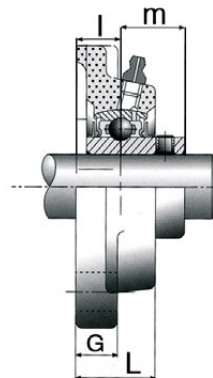
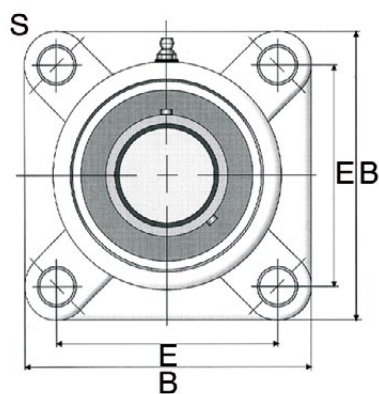
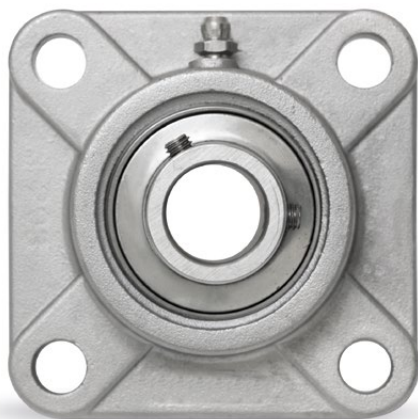
COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304
Housing	1.4308	SCS13



VARIATIONS/ACCESSORIES

Material Housing:	✓ Stainless steel			
Bearing inserts:	✓ MB Stainless steel	✓ MBG Stainless steel	✓ MUC Stainless steel	✓ PNS Plastic

4-HOLE FLANGE BEARING SF



TYPE	Ø SHAFT (H7)*	DIMENSIONS						WEIGHT (MUC)	BOLTS
	mm	B	E	G	I	L	S	kg	Ø
SF201	12	86,0	63,5	12,0	15,1	25,4	12,0	0,66	M10
SF202	15	86,0	63,5	12,0	15,1	25,4	12,0	0,64	M10
SF203	17	86,0	63,5	12,0	15,1	25,4	12,0	0,63	M10
SF204	20	86,0	63,5	12,0	15,1	25,4	12,0	0,62	M10
SF205	25	95,0	70,0	14,0	15,9	27,0	12,0	0,69	M10
SF206	30	108,0	82,5	14,0	17,9	30,0	12,0	1,07	M10
SF207	35	117,0	92,0	16,0	19,1	33,0	14,0	1,27	M12
SF208	40	130,0	101,6	16,0	21,0	36,0	16,0	1,80	M12
SF209	45	137,0	104,8	16,0	21,8	37,0	16,0	2,07	M14
SF210	50	143,0	111,0	18,0	21,8	38,0	16,0	2,49	M16

* recommended shaft tolerance field: g

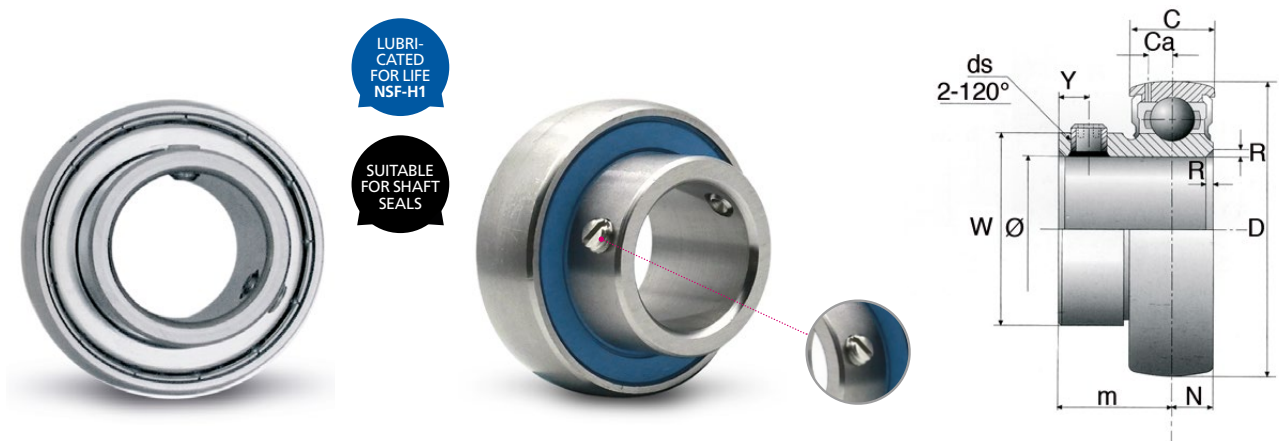
COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304
Housing	1.4308	SCS13



VARIATIONS/ACCESSORIES

Material Housing:	✓ Stainless steel			
Bearing inserts:	✓ MB Stainless steel	✓ MBG Stainless steel	✓ MUC Stainless steel	✓ PNS Plastic

MB STAINLESS STEEL



TYPE	Ø SHAFT (H7)*	DIMENSIONS								WEIGHT kg	LOAD CAPACITY (N)		MAX. TIGHTENING- TORQUE	
		mm	C	Ca	D	m	N	R	W	Y	dynamisch	statisch	ds	Nm
○ MB201	12	14	4,0	47	18,0	7,0	1,0	28,3	5,4	0,16	10900	5300	M6x0,75	4
○ MB202	15	14	4,0	47	18,0	7,0	1,0	28,3	4,0	0,16	10900	5300	M6x0,75	4
○ MB203	17	14	4,0	47	18,0	7,0	1,0	28,3	4,0	0,15	10900	5300	M6x0,75	4
● ○ MB204	20	14	4,0	47	18,0	7,5	1,5	28,3	4,0	0,12	10900	5300	M6x0,75	4
● ○ MB205	25	15	4,2	52	19,5	8,0	1,5	34,0	4,2	0,16	11900	6300	M6x0,75	4
● ○ MB206	30	16	5,0	62	22,0	8,0	1,5	40,3	5,0	0,25	16700	9000	M6x0,75	4
○ MB207	35	17	5,6	72	23,5	8,5	2,0	46,9	5,6	0,38	22000	12300	M8x1,00	10
○ MB208	40	18	6,0	80	25,0	9,0	2,0	52,4	6,0	0,49	24900	14300	M8x1,00	10
○ MB209	45	19	6,3	85	32,7	9,5	2,0	57,4	6,3	0,67	28100	16400	M8x1,00	10
○ MB210	50	20	6,6	90	33,5	10,5	2,0	61,8	8,0	0,78	30200	18600	M8x1,00	20

* recommended shaft tolerance field: g

COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304

SPECIAL FEATURES

- High Performance Bearing insert
- Optimal for use in wet environments
- Double lip seal NBR
- Lubricated for life (NSF-H1)
- Narrow design - suitable for shaft seals

! Our rolling bearing inserts are lubricated for life. All bearing inserts have a sealing ring that reliably keeps the grease filling in the bearing. In rare cases of application, it may be necessary to relubricate. In doing so, there is a risk of lifting off the seal covers due to unlimited pressure from the grease gun. We therefore recommend fitting a lubricant dispenser in such cases.

Please also note that the fixed-loose bearing principle is observed during installation. Otherwise, when mounted on a shaft, stresses may occur that can cause high axial loads or even cracks of the bearing inner part.

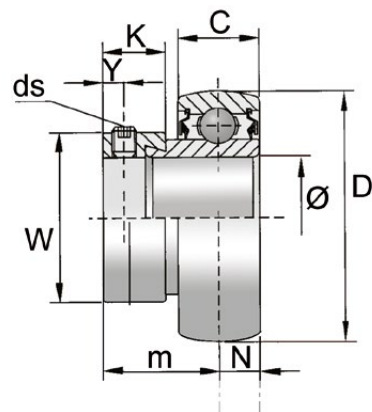


MBG STAINLESS STEEL



LUBRICATED FOR LIFE NSF-H1

SUITABLE FOR SHAFT SEALS



TYPE	Ø SHAFT (H7)*	DIMENSIONS							WEIGHT	LOAD CAPACITY (N)		MAX. TIGHTENING- TORQUE	
		mm	C	D	K	m	N	W		Y	kg	dynamisch	statisch
MBG204	20	14	47	13,5	24,0	7,0	34	5,0	0,15	12800	6700	M6x0,75	4
MBG205	25	15	52	13,5	24,5	7,5	40	5,0	0,18	14000	7900	M6x0,75	4
MBG206	30	16	62	15,9	28,0	8,0	45	6,0	0,30	19500	11300	M8x1,00	4
MBG207	35	17	72	17,5	30,5	8,5	56	6,5	0,50	25700	15300	M8x1,00	10
MBG208	40	18	80	18,3	35,0	9,0	61	6,5	0,63	29500	18100	M8x1,00	10
MBG209	45	19	85	18,3	34,5	9,5	64	6,5	0,66	31700	20700	M8x1,00	10
MBG210	50	20	90	18,3	33,5	10,5	71	6,5	0,80	35100	23200	M8x1,00	20

* recommended shaft tolerance field: g

COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304

SPECIAL FEATURES

- High Performance Bearing insert
- With eccentric clamping ring
- Optimal for use in wet environments
- Double lip seal NBR
- Lubricated for life (NSF-H1)
- Suitable for shaft seals



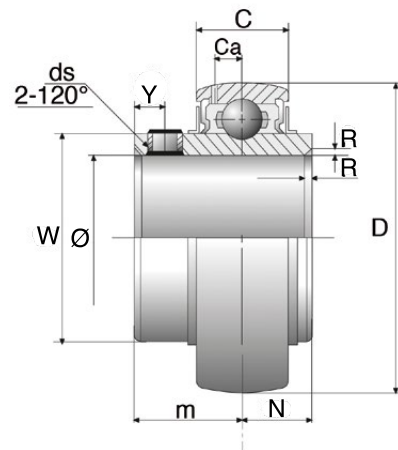
! Our rolling bearing inserts are lubricated for life. All bearing inserts have a sealing ring that reliably keeps the grease filling in the bearing. In rare cases of application, it may be necessary to relubricate. In doing so, there is a risk of lifting off the seal covers due to unlimited pressure from the grease gun. We therefore recommend fitting a lubricant dispenser in such cases.

Please also note that the fixed-loose bearing principle is observed during installation. Otherwise, when mounted on a shaft, stresses may occur that can cause high axial loads or even cracks of the bearing inner part.

MUC STAINLESS STEEL



LUBRI-
CATED
FOR LIFE
NSF-H1



TYPE	Ø SHAFT (H7)*	DIMENSIONS								WEIGHT kg	LOAD CAPACITY (N)		MAX. Tightening- Torque	
		mm	C	Ca	D	m	N	R	W		dynamisch	statisch	ds	Nm
MUC201	12	17	4,5	47	18,3	12,7	1,0	28,3	4,5	0,21	10900	5300	M6X0,75	4
MUC202	15	17	4,5	47	18,3	12,7	1,0	28,3	4,5	0,19	10900	5300	M6X0,75	4
MUC203	17	17	4,5	47	18,3	12,7	1,0	28,3	4,5	0,18	10900	5300	M6X0,75	4
MUC204	20	17	4,5	47	18,3	12,7	1,0	28,3	4,5	0,15	10900	5300	M6X0,75	4
MUC205	25	17	4,5	52	19,5	14,5	1,5	34,0	5,0	0,19	11900	6300	M6X0,75	4
MUC206	30	19	5,1	62	22,2	15,9	1,5	40,3	5,0	0,31	16700	9050	M6X0,75	4
MUC207	35	20	5,8	72	25,4	17,5	2,0	46,9	6,0	0,48	22000	12300	M8X1,00	10
MUC208	40	21	6,2	80	30,2	19,0	2,0	52,4	8,0	0,62	24900	14300	M8X1,00	10
MUC209	45	22	6,2	85	30,2	19,0	2,0	57,4	8,0	0,67	28100	16400	M8X1,00	10
MUC210	50	23	6,5	90	32,6	19,0	2,0	61,8	9,0	0,78	30200	18600	M10X1,25	20

* recommended shaft tolerance field: g

COMPONENT	MATERIAL	JIS (JAPANESE NORM)
	STAINLESS STEEL	
Balls	1.4125	SUS440C
Bracket	1.4301	SUS304
Clamp screw	1.4301	SUS304

SPECIAL FEATURES

- High Performance Bearing insert
- Optimal for use in wet environments
- Double lip seal NBR
- Lubricated for life (NSF-H1)
- Narrow design - suitable for shaft seals



Our rolling bearing inserts are lubricated for life. All bearing inserts have a sealing ring that reliably keeps the grease filling in the bearing. In rare cases of application, it may be necessary to relubricate. In doing so, there is a risk of lifting off the seal covers due to unlimited pressure from the grease gun. We therefore recommend fitting a lubricant dispenser in such cases.

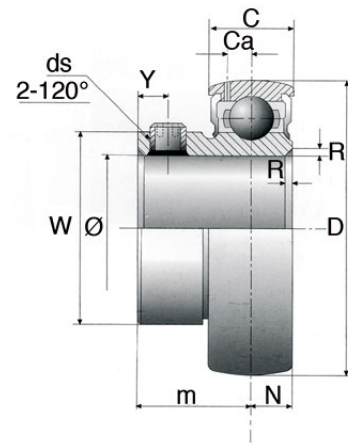
Please also note that the fixed-loose bearing principle is observed during installation. Otherwise, when mounted on a shaft, stresses may occur that can cause high axial loads or even cracks of the bearing inner part.



B STEEL



SUITABLE
FOR SHAFT
SEALS



TYPE	Ø SHAFT (H7)*	DIMENSIONS								WEIGHT kg	LOAD CAPACITY (N)		MAX. Tightening Torque	
	mm	C	Ca	D	m	N	R	W	Y		dynamisch	statisch	ds	Nm
B204	20	14	4,1	47	17,7	7,0	1,5	28,3	4,5	0,13	13100	6300	M5x0,80	4
B205	25	15	4,1	52	19,5	7,5	1,5	34,0	5,0	0,16	14300	7100	M6x0,75	4
B206	30	16	4,9	62	22,3	8,0	1,5	40,3	5,0	0,25	20000	10200	M6x0,75	4
B207	35	17	5,4	72	24,4	8,5	2,0	46,9	6,0	0,38	26400	14000	M8x1,00	10
B208	40	18	5,9	80	26,5	9,0	2,0	52,4	8,0	0,49	29800	16000	M8x1,00	10
B209	45	19	6,3	85	31,7	10,2	2,0	57,4	6,3	0,67	33700	18500	M8x1,00	10
B210	50	20	6,6	90	33,5	10,9	2,0	61,8	8,0	0,78	36200	21000	M8x1,00	20

* recommended shaft tolerance field: g

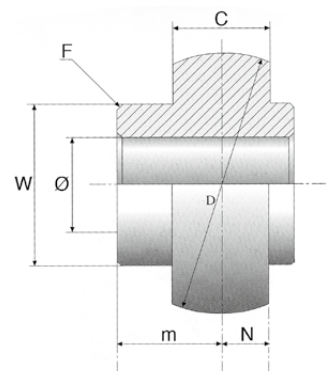
SPECIAL FEATURES

- Quality black steel bearing insert
- Ideally suited for technical applications
- Suitable for shaft seals

PNS PLASTIC



NO LU-
BRICANTS
REQUIRED

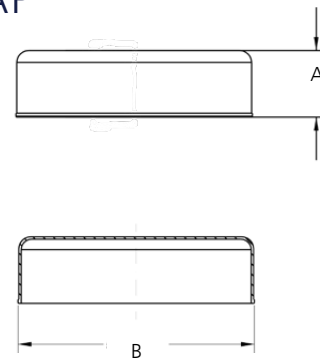


TYPE	Ø SHAFT (H7)*	DIMENSIONS						
	mm	tol.	C	D	F	m	N	W
PNS204	20	+0,20	17	47	1,5	18,3	12,6	29,0
PNS205	25	+0,20	17	52	1,5	19,7	14,2	34,0
PNS206	30	+0,20	19	62	1,5	22,2	15,8	40,5

* recommended shaft tolerance field: g

SPECIAL FEATURES

- Bearing insert made of polyacetal (POM)
- Ideally suited for wet areas and for technical applications
- Extended inner ring for higher stability
- Further dimensions on request

CLOSED **STAINLESS STEEL** PROTECTIVE CAP

TYPE	Ø SHAFT	DIMENSIONS		
	mm	A	B	Housing TYPE
460204CSS14	12-20	15	50	204
460205CSS15	25	16	54	205
460206CSS16	30	18	64	206

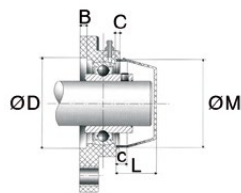
SPECIAL FEATURES

- Premium design for demanding mechanical applications
- Extra flat design

VARIANTEN/MATERIAL

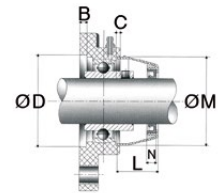
Version:	✓ closed
Material:	✓ Stainless steel 1.4301
Suitable housing types:	✓ CTL ✓ NFL ✓ LNFL ✓ FBL ✓ FPL ✓ TBL ✓ TPL ✓ PPL

CLOSED PROTECTIVE CAP



TYPE	Ø SHAFT	DIMENSIONS					
	mm	B	C	D	L	M	N
● ○ ● 204C	12	6	3,0	52	23	50,0	7
	15	6	3,0	52	23	50,0	7
	17	6	3,0	52	23	50,0	7
	20	6	3,0	52	23	50,0	7
● ○ ● 205C	25	6	4,0	62	25	54,0	7
● ○ ● 206C	30	6	4,0	72	30	64,0	7
○ ● 207C	35	6	4,5	82	32	74,5	7
○ ● 208C	40	6	3,5	88	37	84,0	7
○ ● 209C	45	6	4,5	93	41	89,0	7
○ ● 210C	50	6	5,0	98	47	94,0	7

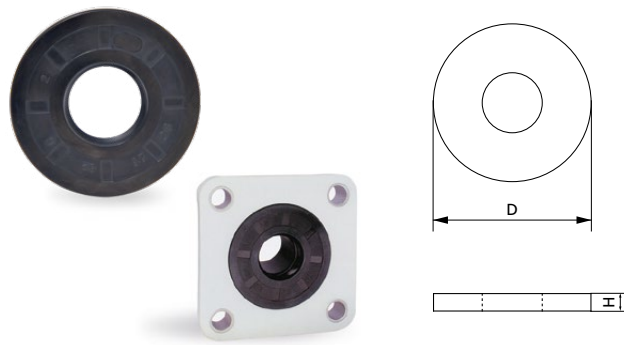
OPEN PROTECTIVE CAP



TYPE	Ø SHAFT	DIMENSIONS					
	mm	B	C	D	L	M	N
○ ● 201CO	12	6	3,0	52	23	50,0	7
○ ● 202CO	15	6	3,0	52	23	50,0	7
○ ● 203CO	17	6	3,0	52	23	50,0	7
● ○ ● 204CO	20	6	3,0	52	23	50,0	7
● ○ ● 205CO	25	6	4,0	62	25	54,0	7
● ○ ● 206CO	30	6	4,0	72	30	64,0	7
○ ● 207CO	35	6	4,5	82	32	74,5	7
○ ● 208CO	40	6	3,5	88	37	84,0	7
○ ● 209CO	45	6	4,5	93	41	89,0	7
○ ● 210CO	50	6	5,0	98	47	94,0	7

VARIATIONS/MATERIAL

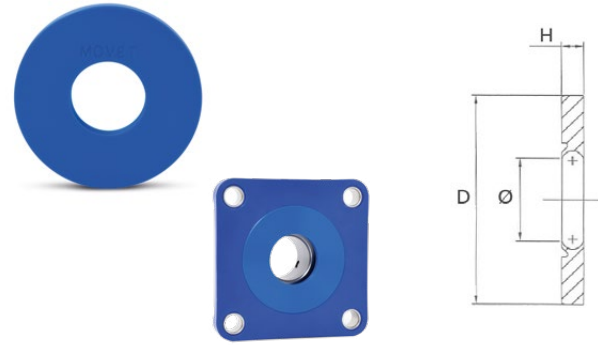
Material:	✓ Plastic PP (Polypropylene)
Colours:	● blue ○ white ● black

SHAFT SEAL **BLACK**

TYPE	Ø SHAFT	DIMENSIONS	
	mm	D	H
201D	12	52	6
202D	15	52	6
203D	17	52	6
204D	20	52	6
205D	25	62	6
206D	30	72	6
207D	35	82	6
208D	40	88	6
209D	45	93	6
210D	50	98	6

VARIATIONS/MATERIAL

Material:	✓ Nitril rubber (NBR)
Colour:	● black
Spring:	✓ Stainless steel

SHAFT SEAL **TPU BLUE**

TYPE	Ø SHAFT	DIMENSIONS	
	mm	D	H
204DW	20	52	6
	25	52	6
205DW	25	62	6
	30	62	6
206DW	30	72	6
	35	72	6
207DW	35	82	6
208DW	40	88	6

VARIATIONS/MATERIAL

Material:	✓ Thermoplastic polyurethane elastomer (TPU) (FDA approved)
Colour:	● blue
Spring:	✓ No spring, thanks to bidirectional seal

CUSTOM SEALS

PRECISION MADE TO MEASURE

We manufacture your customised gasket according to a **sample, drawing** or as a completely **new development**.


MOVET.

Please contact us for detailed **technical data** and **ordering information**:

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TECHNICAL INFORMATION

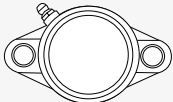
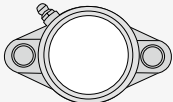
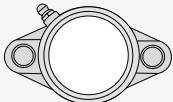
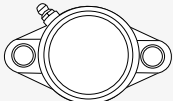
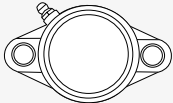
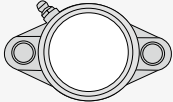
BEARING INSERT TOLERANCE H7

NOMINAL Ø OF THE BORE (mm)		BORE TOLERANCES (µm)	CONCENTRICITY TOLERANCE (µm)
from	to	max	max
10	17	+15	15
20	30	+18	18
30	50	+21	20

SHAFT TOLERANCE g6

NOMINAL Ø OF THE SHAFT (mm) (g)		RECOMMENDED TOLERANCE (µm)	
from	to	min	max
10	17	-6	-17
20	30	-7	-20
30	50	-9	-25

TEMPERATURE RANGES FOR HOUSINGS WITH BEARING INSERTS

HOUSING		BEARING INSERT	INSERT TYPE	OPERATING TEMPERATURE (AS A UNIT)
	+		MB/MBG/MUC [■]	-35 to +90°
	+		MB/MBG/MUC [■]	-35 to +120°
	+		PNS	-10 to +80°
	+		PNS	-10 to +80°
	+		B	-35 to +90°
	+		UCP ^{■ ■}	0 to +210°

MATERIAL:

- PLASTIC
- STAINLESS STEEL

MATERIAL:

- PLASTIC
- STAINLESS STEEL
- STEEL

- The bearing inserts are prelubricated with food-grade grease. (NSF-H1)
- High temperature bearings available on request.



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