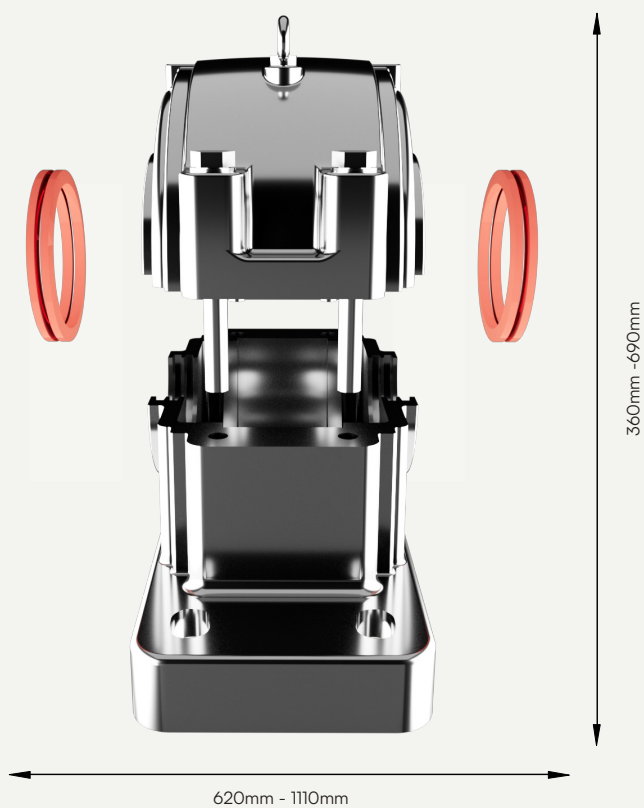


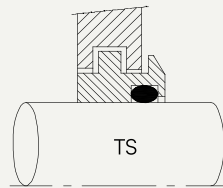


SD500

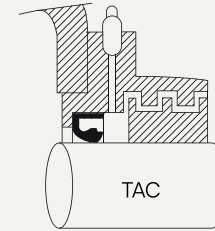




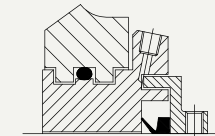
-  Ideally suited
-  Suitable
-  Less suitable
-  Unsuitable



SD



SD



TNF

SD

°C m/s	..-40..+200°C<15m/s <0,3°	..-40..+100°C ..
-----------	--	---



Housing Size	Grease quantity First filling gr.
34	1700
36	2100
38	2800
40	3600
44	4200
48	5200
52	6700
56	7000
60	10000
64	12000
68	18000
72	18000
76	23000
80	23000
84	32000

Grease lubrication / initial grease filling / relubrication

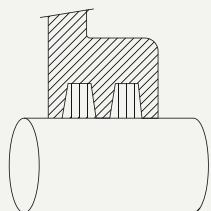
The housings are designed for grease lubrication and can be relubricated via a grease nipple. The following table provides information on the recommended grease quantity for initial filling. Please note that the housings are filled with max. 60% grease during operation, the bearings are filled to 100%.

Grease change

If the achievable fatigue life of the bearing is significantly longer than the grease operating life, a grease change with re-greasing must be provided.

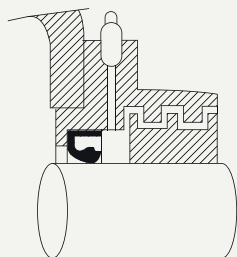
Grease relubrication

If the operating speed is below 80% of the maximum speed, grease is slowly injected until fresh grease emerges at the labyrinths or grease outlet holes. Relubrication should be carried out during running at operating speed. If possible, central lubrication lines should be used to avoid danger to persons. If the operating speed is above 80% of the maximum speed, the bearing temperature must be monitored during relubrication. If very strong deviations are detected, it is recommended to remove the used grease from the bearing and replace it with new grease. The higher temperature level resulting from the whaling work of the grease during relubrication will drop back to the initial value after a few hours of running.



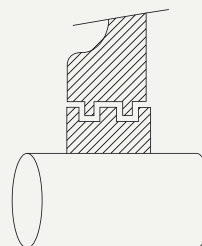
Housing with felt seal

max. peripheral speed = 4 m/s
permissible operating temperature = -40°C to +100°C
permissible skew = 0.5°



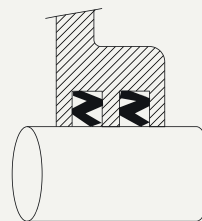
Housing with taconite seal

max. circumferential speed = 12 m/s
permissible operating temperature = -40°C to +100°C
permissible skew = 0.5°



Housing with labyrinth seal

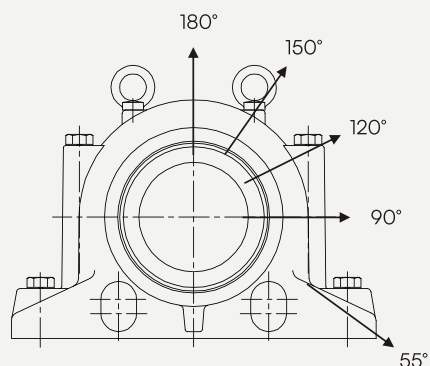
max. circumferential speed
= depending on bearing and lubrication
permissible operating temperature
= depending on bearing and lubrication
permissible misalignment = 0.3°



Housing with V-ring seal

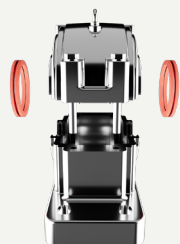
max. circumferential speed = 5 m/s
permissible operating temperature = -40°C to +100°C
permissible skew = 1° to 1.5°

Breaking loads

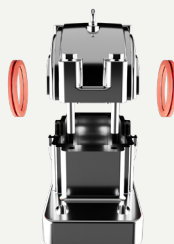


In general for compensation of the housing breaking load value a safety factor of 6 is recommended.
*use 70% of this value

	Housing size SD-Series	Breaking load					Connecting screw	Max load capacity			Max thightening	Bolt	Max thightening	
		55°	90°	120°	150°	180°								
	34	2400	1050	760	880	950	M20x130	520	300	260	430	M24	710	
	36	2550	1200	900	950	1000	M20x130	520	300	260	430	M24	710	
	38	2800	1300	1150	1100	1150	M20x130	520	300	260	430	M24	710	
	40	3700	1620	1350	1350	1500	M24x150	720	420	360	710	M30	1450	
	44	4050	1900	1400	1450	1700	M24x150	720	420	360	710	M30	1450	
	48	4200	2200	1600	1550	1800	M24x150	720	420	360	710	M30	1450	
	52	5300	2500	1950	1750	2100	M30x180	1280	740	640	1450	M36	2600	
	56	6400	2850	2150	2000	2400	M30x180	1280	740	640	1450	M36	2600	
	60	7500	3100	2600	2400	2900	M30x200	1280	740	640	1450	M36	2600	
	64	8000	3550	3000	2800	3100	M30x220	1280	740	640	1450	M36	2600	
	68	8800	4000	3200	3000	3500	M30x220	1280	740	640	1450	M36	2600	
	72	9300	4500	3300	3200	3800	M30x230	1280	740	640	1450	M36	2600	
	76	10300	4800	3400	3300	4150	M30x240	1280	740	640	1450	M36	2600	
	80	10500	5000	3500	3400	4300	M36x240	1600	920	800	2600	M42	4000	
	84	11800	5700	4000	3750	4800	M36x240	1600	920	800	2600	M42	4000	



SD500
SD500 - TS



SD600
SD600 - TS



SD3000
SD3000 - G



SD3100
SD3100 - G

The bearing housing type SD3000/3100/3200 is designed for the use of 230K, 231K, 232K series self-aligning roller bearings. The standard material for these housings is grey cast iron. The bearing seat inside the housing is precision-machined to the G7 tolerance class. The sealing is achieved through TS labyrinth seals. Upon customer request, these housings can also be adapted for cylindrical bearings and supplied in a different material.

SD3100 / SD3100 - G
SD3000 / SD3000 - G
SD500 + SD500 - TS
SD600 + SD600 - TS



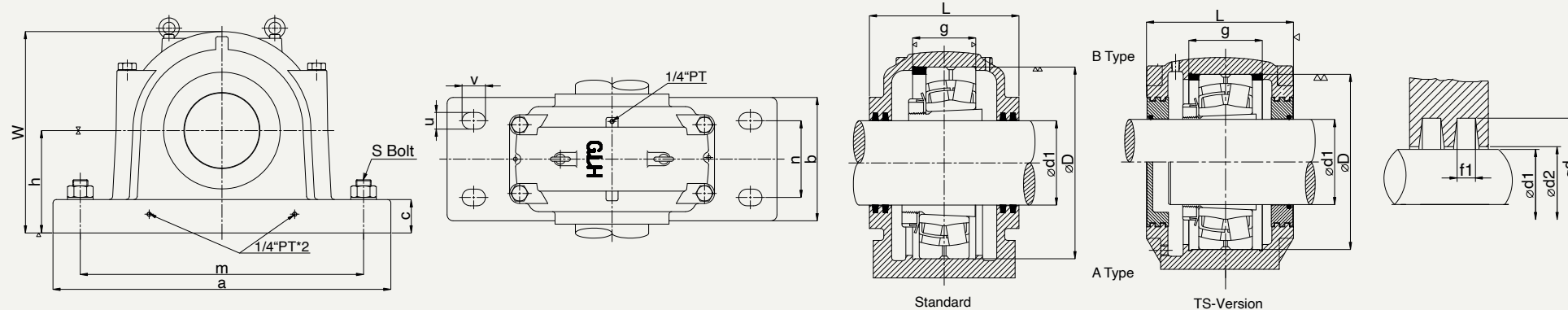
70kg - 930kg



150mm - 520mm



4m/s - 30m/s



Article	d1	D	a	b	c	g	h	L	w	m	n	u	v	S Bolt	d2	d3	f1	kg	Bearing	Sleeve	Locating-Ring	Felt seal
SD534	150	310	620	230	60	106	180	270	360	510	140	36	52	M30	153	183	10	92	22234K	H3134	2xFR310x10	8xFS16x12x290
SD536	160	320	650	240	60	106	190	280	380	540	150	36	52	M30	163	193	10	105	22236K	H3136	2xFR320x10	8xFS16x12x290
SD538	170	340	700	260	65	112	200	290	400	570	160	36	55	M30	173	203	10	125	22238K	H3138	2xFR340x10	8xFS16x12x305
SD540	180	360	740	270	65	118	210	300	420	610	170	36	55	M30	183	213	10	140	22240K	H3140	2xFR360x10	8xFS16x12x320
SD544	200	400	820	300	70	128	240	330	475	680	190	43	62	M36	203	240	11	200	22244K	H3144	2xFR400x10	8xFS19x13x385
SD548	220	440	880	310	85	140	260	340	515	740	200	43	62	M36	223	260	11	230	22248K	H3148	2xFR440x10	8xFS19x13x385
SD552	240	480	940	340	85	150	280	370	560	790	210	43	62	M36	243	286	12	290	22252K	H3152	2xFR480x10	8xFS22x14x415
SD556	260	500	990	370	100	150	300	390	590	830	230	50	70	M42	263	306	12	310	22256K	H3156	2xFR500x10	8xFS22x14x445
SD560	280	540	1060	390	100	160	325	410	640	890	250	50	70	M42	283	332	13	450	22260K	H3160	2xFR540x10	8xFS22x14x510
SD564	300	580	1110	420	110	170	355	440	690	930	270	58	77	M48	303	352	13	550	22264K	H3164	2xFR580x10	8xFS22x14x540



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