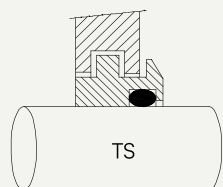


SD3000

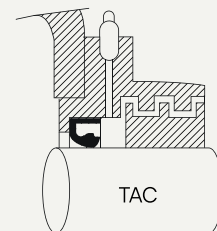




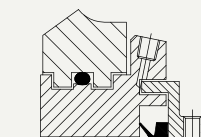
-  Ideally suited
-  Suitable
-  Less suitable
-  Unsuitable



SD



SD



TNF

SD

	°C m/s	..-40..+200°C<15m/s <0,3°	..-40..+100°C<10m/s <0,5°	..-40..+100°C<10m/s <0,5°
Max grade				
Relubricateable				
Friction				
Axial displacement				
Vertical installation				
Spray water				
Fine dust				
Dust				
Rough particle				
Sharp particle				
UV resistance				



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

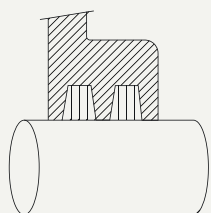
The housings are designed for grease lubrication and can be relubricated via a grease nipple. The following table provides information on the recommended grease quantity for initial filling. Please note that the housings are filled with max. 60% grease during operation, the bearings are filled to 100%.

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.

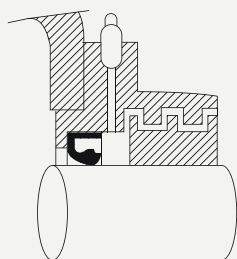
Grease relubrication

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.



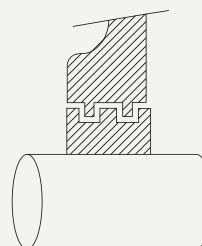
Housing with felt seal

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



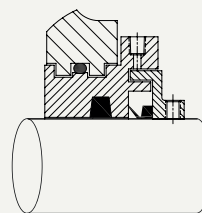
Housing with taconite seal

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°



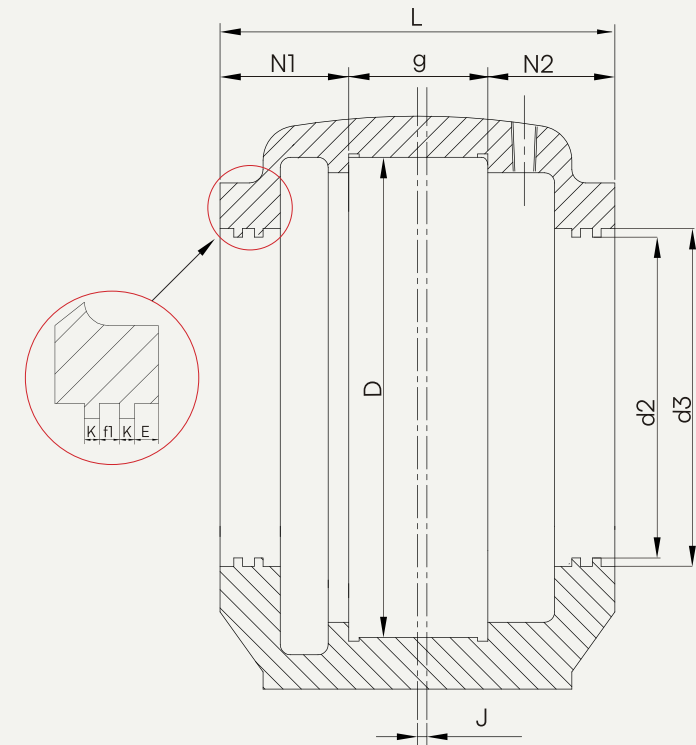
Housing with TNF seal

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

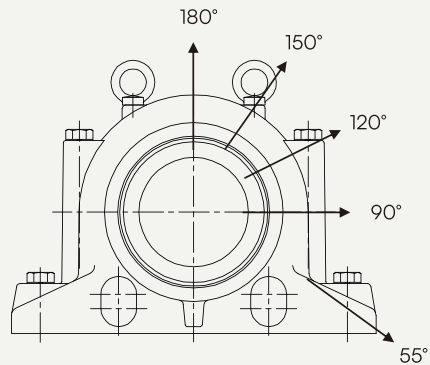
Seal groove



Reference	Dimensions												
	d	L	D	g	h	N1	N2	E	f1	K	J	d2	d3
SD3134	150	230	280	180	170	75	42	7	7	5	14	187	197
SD3134-G												222	237
SD3136	160	240	300	116	180	77	47	7	7	5	15	195	205
SD3136-G												246	265
SD3138	170	260	320	124	190	78	58	7	10	8	10	217	230
SD3138-G												246	265
SD3140	180	280	340	132	210	84	64	7	10	8	10	222	237
SD3140-G												265	285
SD3144	200	290	370	140	220	87	63	7	11	8	12	246	265
SD3144-G												285	305
SD3148	220	310	400	148	240	93	69	7	11	8	12	265	285
SD3148-G												307	327
SD3152	240	320	440	164	260	91	65	7	11	8	13	285	305
SD3152-G												325	345
SD3156	260	320	460	166	280	93	61	7	11	8	16	307	327
SD3156-G												345	365
SD3160	280	350	500	180	300	107	63	7	11	8	22	325	345
SD3160-G												368	390
SD3164	300	370	540	196	320	110	64	7	11	8	23	345	365
SD3164-G												388	408
SD3168	320	390	580	210	340	115	65	6	11	8	25	368	390
SD3168-G												409	429
SD3172	340	400	600	212	350	124	64	7	11	8	30	388	408
SD3172-G												429	449
SD3176	360	400	620	214	360	123	63	8	11	8	30	409	429
SD3176-G												429	449
SD3180	380	430	650	220	380	135	75	8	11	8	30	429	449
SD3180-G												479	499
SD3184	400	460	700	244	410	143	73	8	11	8	35	429	449
SD3184-G												479	499



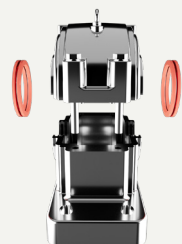
Breaking loads



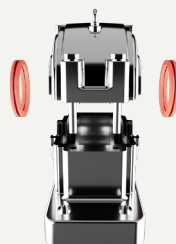
In general for compensation of the housing breaking load value a safety factor of 6 is recommended.

*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



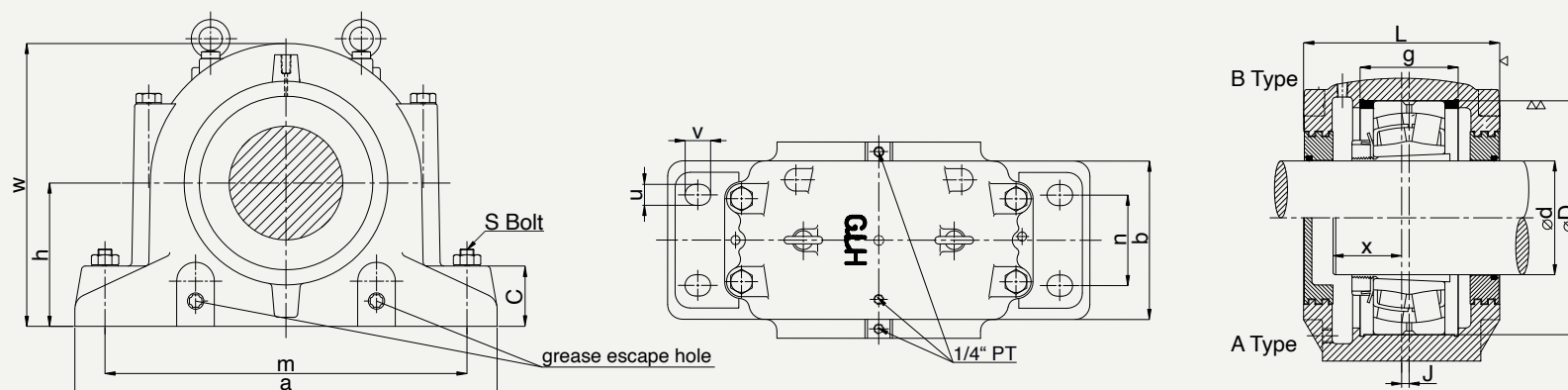
70kg - 930kg



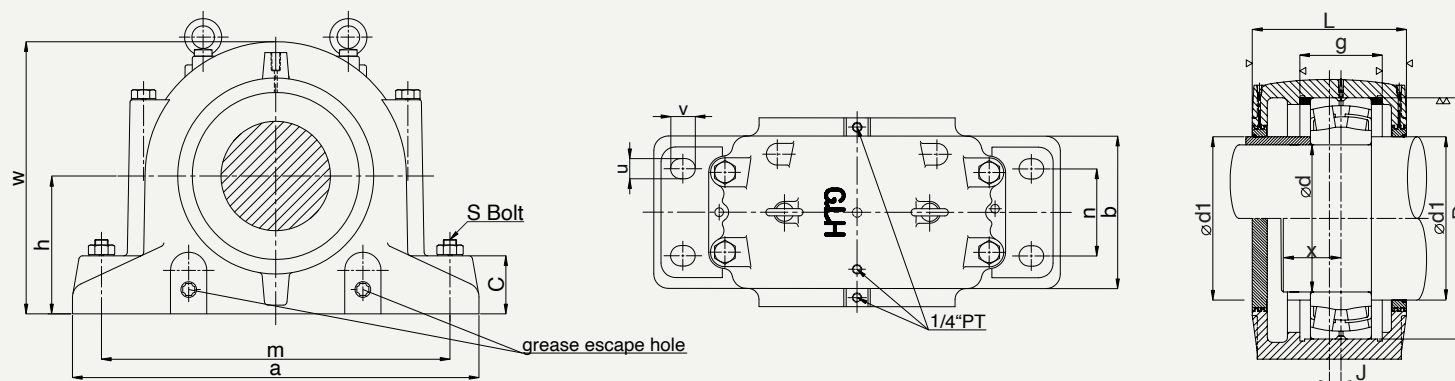
150mm - 520mm



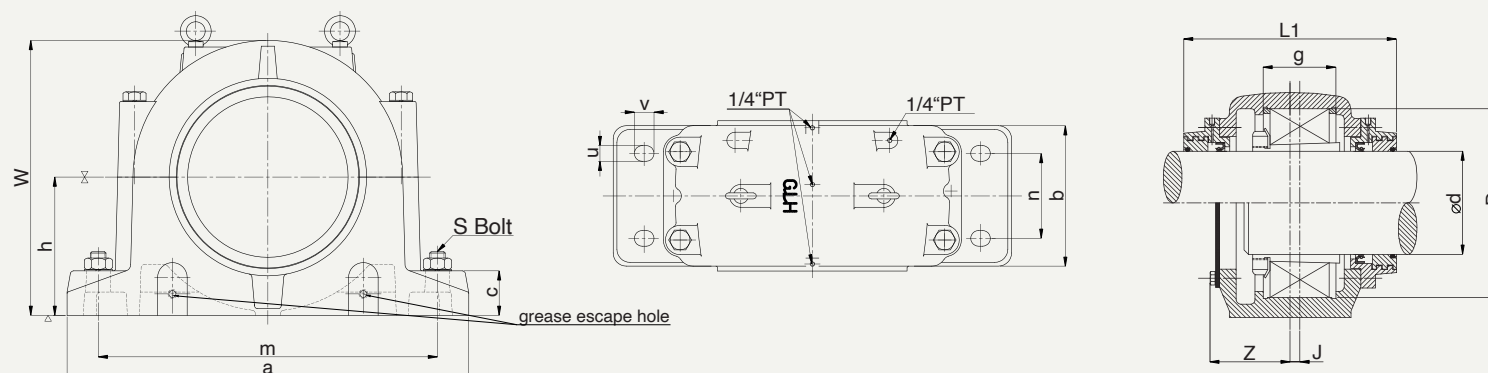
4m/s - 30m/s



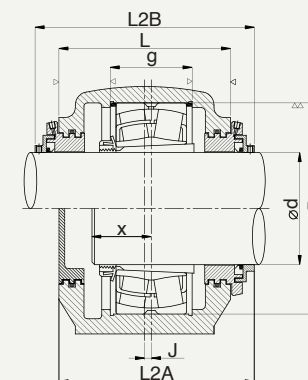
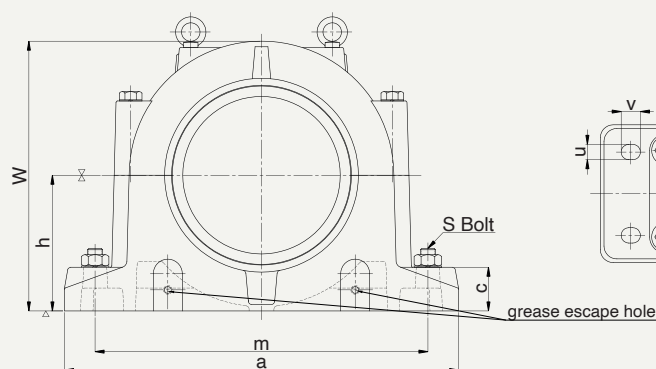
Article	d	D	a	b	c	m	h	w	n	J	g	L	S Bolt	kg	Bearing	Sleeve	Locating-Ring	Seal	End cover	Grease kg	u	v	x
SD3036	160	280	510	180	70	430	170	335	100	14	108	230	M24	78	23036K	H3036	2xFR280x17	TS36	TSA36	1,7	30	42	60
SD3038	170	290	530	190	75	450	180	355	110	15	115	240	M24	82	23038K	H3038	4xFR290x10	TS38	TSA38	2,1	30	42	60
SD3040	180	310	560	210	80	480	190	375	120	10	122	260	M24	92	23040K	H3040	4xFR310x10	TS40	TSA40	2,8	30	42	72
SD3044	200	340	610	230	85	510	210	410	130	10	130	280	M30	125	23044K	H3044	4xFR340x10	TS44	TSA44	3,6	37	51	77
SD3048	220	360	640	240	90	540	220	435	140	12	140	290	M30	140	23048K	H3048	2xFR360x22	TS48	TSA48	4,2	37	51	80
SD3052	240	400	700	260	95	600	240	475	150	12	148	310	M30	200	23052K	H3052	2xFR400x22	TS52	TSA52	5,2	37	51	87
SD3056	260	420	770	280	100	650	260	515	160	13	166	320	M36	230	23056K	H3056	6xFR420x10	TS56	TSA56	6,7	43	60	90
SD3060	280	460	790	280	105	670	280	550	160	16	168	320	M36	290	23060K	H3060	2xFR460x25	TS60	TSA60	7	43	60	97
SD3064	300	480	830	310	110	710	300	590	190	22	181	350	M36	300	23064K	H3064	6xFR480x10	TS64	TSA64	10	43	60	97
SD3068	320	520	880	330	115	750	320	630	200	23	197	370	M36	400	23068K	H3068	4xFR520x16	TS68	TSA68	12	43	51	104
SD3072	340	540	880	330	115	750	320	630	200	23	198	370	M36	450	23072K	H3072	4xFR540x16	TS72	TSA72	18	43	51	104
SD3076	360	560	950	360	120	810	340	675	220	24	180	400	M36	470	23076K	H3076	2xFR560x22,5	TS76	TSA76	18	43	51	110
SD3080	380	600	1000	360	120	840	350	695	220	30	192	400	M36	550	23080K	H3080	2xFR600x22	TS80	TSA80	23	43	51	120
SD3084	400	620	1040	360	120	870	360	715	220	30	194	400	M36	610	23084K	H3084	2xFR620x22	TS84	TSA84	23	43	51	120
SD3088	410	650	1120	390	125	950	380	755	240	30	200	430	M42	780	23088K	H3088	2xFR650x21,5	TS88	TSA88	32	50	70	135



Article	d	d1	D	a	b	c	m	h	w	n	J	g	L	S Bolt	kg	Bearing	Locating-Ring	Seal	End cover	Grease kg	u	v	x
SD3036-G	180	200	280	510	180	70	430	170	335	100	14	108	230	M24	78	23036CC/W33	2xFR280x17	TS44	TSA44	1,7	30	42	60
SD3038-G	190	200	290	530	190	75	450	180	355	110	15	115	240	M24	82	23038CC/W33	4xFR290x10	TS44	TSA44	2,1	30	42	60
SD3040-G	200	220	310	560	210	80	480	190	375	120	10	122	260	M24	92	23040CC/W33	4xFR310x10	TS48	TSA48	2,8	30	42	72
SD3044-G	220	240	340	610	230	85	510	210	410	130	10	130	280	M30	125	23044CC/W33	4xFR340x10	TS52	TSA52	3,6	37	51	77
SD3048-G	240	260	360	640	240	90	540	220	435	140	12	140	290	M30	140	23048CC/W33	2xFR360x22	TS56	TSA56	4,2	37	51	80
SD3052-G	260	280	400	700	260	95	600	240	475	150	12	148	310	M30	200	23052CC/W33	2xFR400x22	TS60	TSA60	5,2	37	51	87
SD3056-G	280	300	420	770	280	100	650	260	515	160	13	166	320	M36	230	23056CC/W33	6xFR420x10	TS64	TSA64	6,7	43	60	90
SD3060-G	300	320	460	790	280	105	670	280	550	160	16	168	320	M36	290	23060CC/W33	2xFR460x25	TS68	TSA68	7	43	60	97
SD3064-G	320	340	480	830	310	110	710	300	590	190	22	181	350	M36	300	23064CC/W33	6xFR480x10	TS72	TSA72	10	43	60	97
SD3068-G	340	360	520	880	330	115	750	320	630	200	23	197	370	M36	400	23068CC/W33	4xFR520x16	TS76	TSA76	12	43	51	104
SD3072-G	360	380	540	880	330	115	750	320	630	200	23	198	370	M36	450	23072CC/W33	4xFR540x16	TS80	TSA80	18	43	51	104
SD3076-G	380	400	560	950	360	120	810	340	675	220	24	180	400	M36	470	23076CC/W33	2xFR560x22,5	TS84	TSA84	18	43	51	110
SD3080-G	400	430	600	1000	360	120	840	350	695	220	30	192	400	M36	550	23080CC/W33	2xFR600x22	TS88	TSA88	23	43	51	120
SD3084-G	420	450	620	1040	360	120	870	360	715	220	30	194	400	M36	610	23084CC/W33	2xFR620x22	TS92	TSA92	23	43	51	120
SD3088-G	440	480	650	1120	390	125	950	380	755	240	30	200	430	M42	780	23088CC/W33	2xFR650x21,5	TS96	TSA96	32	50	70	135



Article	d	D	a	b	c	m	h	w	n	J	g	L1	S Bolt	kg	Bearing	Sleeve	Locating-Ring	Seal	End cover	u	v	x	Z
SD3036-TAC	160	280	510	180	70	430	170	335	100	14	108	308	M24	78	23036K	H3036	2xFR280x17	TS36	TSA36	30	42	60	123
SD3038-TAC	170	290	530	190	75	450	180	355	110	15	115	334	M24	82	23038K	H3038	4xFR290x10	TS38	TSA38	30	42	60	128
SD3040-TAC	180	310	560	210	80	480	190	375	120	10	122	336	M24	92	23040K	H3040	4xFR310X10	TS40	TSA40	30	42	72	129
SD3044-TAC	200	340	610	230	85	510	210	410	130	10	130	360	M30	125	23044K	H3044	4xFR340x10	TS44	TSA44	37	51	77	139
SD3048-TAC	220	360	640	240	90	540	220	435	140	12	140	368	M30	140	23048K	H3048	2xFR360X22	TS48	TSA48	37	51	80	143
SD3052-TAC	240	400	700	260	95	600	240	475	150	12	148	382	M30	200	23052K	H3052	2xFR400X22	TS52	TSA52	37	51	87	153
SD3056-TAC	260	420	770	280	100	650	260	515	160	13	166	400	M36	230	23056K	H3056	6xFR420X10	TS56	TSA56	43	60	90	162
SD3060-TAC	280	460	790	280	105	670	280	550	160	16	168	400	M36	290	23060K	H3060	2xFR460X25	TS60	TSA60	43	60	97	162
SD3064-TAC	300	480	830	310	110	710	300	590	190	22	181	426	M36	300	23064K	H3064	6xFR480X10	TS64	TSA64	43	60	97	175
SD3068-TAC	320	520	880	330	115	750	320	630	200	23	197	448	M36	400	23068K	H3068	4xFR520X16	TS68	TSA68	43	51	104	186
SD3072-TAC	340	540	880	330	115	750	320	630	200	23	198	450	M36	450	23072K	H3072	4xFR540X16	TS72	TSA72	43	51	104	186
SD3076-TAC	360	560	950	360	120	810	340	675	220	24	180	488	M36	470	23076K	H3076	2xFR560X22,5	TS76	TSA76	43	51	110	205
SD3080-TAC	380	600	1000	360	120	840	350	695	220	30	192	488	M36	550	23080K	H3080	2xFR600X22	TS80	TSA80	43	51	120	205
SD3084-TAC	400	620	1040	360	120	870	360	715	220	30	194	518	M36	610	23084K	H3084	2xFR620X22	TS84	TSA84	43	51	120	220
SD3088-TAC	410	650	1120	390	125	950	380	755	240	30	200	533	M42	780	23088K	H3088	2xFR650X21,5	TS88	TSA88	50	70	135	233



Article	d	D	a	b	c	m	h	w	n	J	g	L2B	L2A	S Bolt	kg	Bearing	Sleeve	Locating-Ring	Seal	End cover	u	v	x
SD3036-TNF	160	280	510	180	70	430	170	335	100	14	108	275	252,50	M24	78	23036K	H3036	2xFR280x17	TNF36	TSA36	30	42	60
SD3038-TNF	170	290	530	190	75	450	180	355	110	15	115	284	262,00	M24	82	23038K	H3038	4xFR290x10	TNF38	TSA38	30	42	60
SD3040-TNF	180	310	560	210	80	480	190	375	120	10	122	305	282,50	M24	92	23040K	H3040	4xFR310x10	TNF40	TSA40	30	42	72
SD3044-TNF	200	340	610	230	85	510	210	410	130	10	130	325	302,50	M30	125	23044K	H3044	4xFR340x10	TNF44	TSA44	37	51	77
SD3048-TNF	220	360	640	240	90	540	220	435	140	12	140	335	312,50	M30	140	23048K	H3048	2xFR360x22	TNF48	TSA48	37	51	80
SD3052-TNF	240	400	700	260	95	600	240	475	150	12	148	355	332,50	M30	200	23052K	H3052	2xFR400x22	TNF52	TSA52	37	51	87
SD3056-TNF	260	420	770	280	100	650	260	515	160	13	166	365	342,50	M36	230	23056K	H3056	6xFR420x10	TNF56	TSA56	43	60	90
SD3060-TNF	280	460	790	280	105	670	280	550	160	16	168	365	342,50	M36	290	23060K	H3060	2xFR460x25	TNF60	TSA60	43	60	97
SD3064-TNF	300	480	830	310	110	710	300	590	190	22	181	394	372,00	M36	300	23064K	H3064	6xFR480x10	TNF64	TSA64	43	60	97
SD3068-TNF	320	520	880	330	115	750	320	630	200	23	197	415	392,50	M36	400	23068K	H3068	4xFR520x16	TNF68	TSA68	43	51	104
SD3072-TNF	340	540	880	330	115	750	320	630	200	23	198	415	392,50	M36	450	23072K	H3072	4xFR540x16	TNF72	TSA72	43	51	104
SD3076-TNF	360	560	950	360	120	810	340	675	220	24	180	445	422,50	M36	470	23076K	H3076	2xFR560x22,5	TNF76	TSA76	43	51	110
SD3080-TNF	380	600	1000	360	120	840	350	695	220	30	192	445	422,50	M36	550	23080K	H3080	2xFR600x22	TNF80	TSA80	43	51	120
SD3084-TNF	400	620	1040	360	120	870	360	715	220	30	194	445	422,50	M36	610	23084K	H3084	2xFR620x22	TNF84	TSA84	43	51	120
SD3088-TNF	410	650	1120	390	125	950	380	755	240	30	200	475	452,50	M42	780	23088K	H3088	2xFR650x21,5	TNF88	TSA88	50	70	135



THIS IS HOW YOU REACH US

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