

PSFT Series

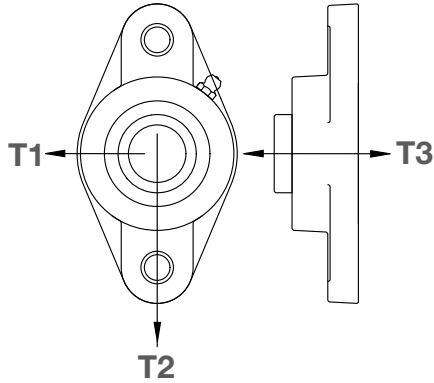


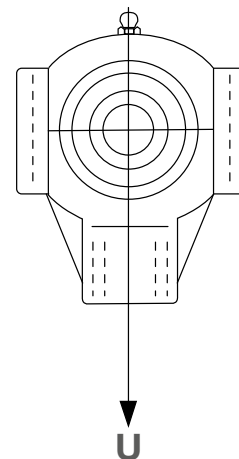
Table 3 PSFT Silver-Lube® two-bolt flange - housing load capacity

RHP designation	Maximum housing load (N) at 20°C									Max. fixing bolt torque (Nm)
	T1			T2			T3			
	Inter-mittent loading	Continuous loading	Cyclical loading	Inter-mittent loading	Continuous loading	Cyclical loading	Inter-mittent loading	Continuous loading	Cyclical loading	
PSFT20CR	4400	2200	1200	1900	900	500	1300	700	400	18
PSFT¾CR	4400	2200	1200	1900	900	500	1300	700	400	18
PSFT25CR	4400	2200	1200	3000	1500	800	1400	700	400	25
PSFT1CR	4400	2200	1200	3000	1500	800	1400	700	400	25
PSFT30CR	5900	2900	1600	3300	1600	900	2000	1000	500	30
PSFT1⅓CR	5900	2900	1600	3300	1600	900	2000	1000	500	30
PSFT1¼RCR	5900	2900	1600	3300	1600	900	2000	1000	500	30
PSFT35CR	6400	3200	1700	3900	2000	1100	2800	1400	800	35
PSFT1¼CR	6400	3200	1700	3900	2000	1100	2800	1400	800	35
PSFT1⅓CR	6400	3200	1700	3900	2000	1100	2800	1400	800	35
PSFT40CR	9000	4500	2500	3900	2000	1100	3300	1600	900	40
PSFT1½CR	9000	4500	2500	3900	2000	1100	3300	1600	900	40

Table 4 PST Silver-Lube® take-up - housing load capacity

RHP designation	Maximum housing load (N) at 20°C		
	U Intermittent loading	U Continuous loading	U Cyclical loading
PST20CR	5700	2800	1600
PST¾CR	5700	2800	1600
PST25CR	5400	2700	1500
PST1CR	5400	2700	1500
PST30CR	8100	4000	2300
PST1⅓CR	8100	4000	2300
PST1¼RCR	8100	4000	2300
PST35CR	7800	3900	2200
PST1¼CR	7800	3900	2200
PST1⅓CR	7800	3900	2200
PST40CR	8100	4000	2300
PST1½CR	8100	4000	2300

PST Series



Silver-Lube® bearing inserts

Silver-Lube® bearing inserts have martensitic stainless steel rings and balls, and austenitic stainless steel ball cage, flingers and set screws, in addition to durable and heat-resistant silicone rubber seals

The grease in this product is an aluminium complex food grade grease, classified to NSF grade H1. In the event of relubricating being necessary, this type of grease is the first choice replacement.

If an aluminium complex food grade grease is not available, it is essential that any alternative grease is NSF H1 approved and ideally chemically compatible with the original grease. If chemical compatibility cannot be assured, then it is recommended that the original grease is completely flushed out of the system before relubrication. NSK should be consulted where necessary.

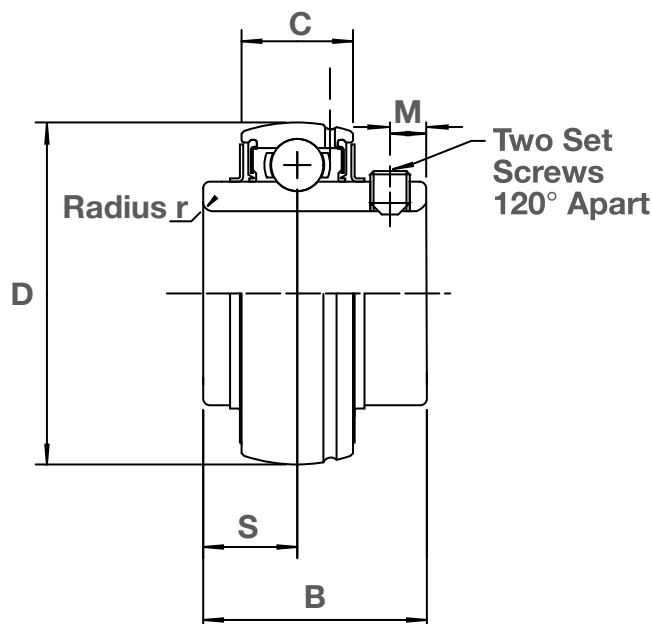


Table 5 Insert designations, dimensions and weights

Units mm

RHP designation	Bore dia	D	C	B	S	r	M	C _r (N)	C _{or} (N)	Weight (Kg)
J1020-20GCR	20	47	17	31.0	12.7	0.5	5.0	9910	5350	0.16
J1020-¾GCR	¾"	47	17	31.0	12.7	0.5	5.0	9910	5350	0.16
J1025-25GCR	25	52	17	34.1	14.3	0.5	5.0	10820	6300	0.20
J1025-1GCR	1"	52	17	34.1	14.3	0.5	5.0	10820	6300	0.20
J1030-30GCR	30	62	19	38.1	15.9	0.5	5.0	15000	9050	0.32
J1030-1⅜GCR	1⅜"	62	19	38.1	15.9	0.5	5.0	15000	9050	0.32
J1030-1¼GCR	1¼"	62	19	38.1	15.9	0.5	5.0	15000	9050	0.32
J1035-35GCR	35	72	20	42.9	17.5	1.0	6.5	19820	12300	0.48
J1035-1¼GCR	1¼"	72	20	42.9	17.5	1.0	6.5	19820	12300	0.48
J1035-1⅞GCR	1⅞"	72	20	42.9	17.5	1.0	6.5	19820	12300	0.48
J1040-40GCR	40	80	21	49.2	19.0	1.0	8.0	22540	14300	0.64
J1040-1½GCR	1½"	80	21	49.2	19.0	1.0	8.0	22540	14300	0.64

Shaft tolerances and permissible speeds

Bearing insert permissible speed is dependent on shaft tolerance. For higher speed applications an ISO h7 shaft tolerance is recommended. An ISO h9 shaft tolerance may be used for low speed applications. For more information see table 6.

Table 6 Tolerances and Speeds

Basic bearing insert	Bearing limiting speed (RPM)	ISO h7 Shaft tolerance high (0.001 mm Units)	ISO h7 Shaft tolerance low (0.001 mm Units)	Bearing limiting speed (RPM)	ISO h9 Shaft tolerance high (0.001 mm Units)	ISO h9 Shaft tolerance low (0.001 mm Units)
J1020	2900	0	-21	1490	0	-52
J1025	2600	0	-21	1300	0	-52
J1030	2180	0	-21	1090	0	-52
J1035	1870	0	-25	940	0	-62
J1040	1650	0	-25	830	0	-62