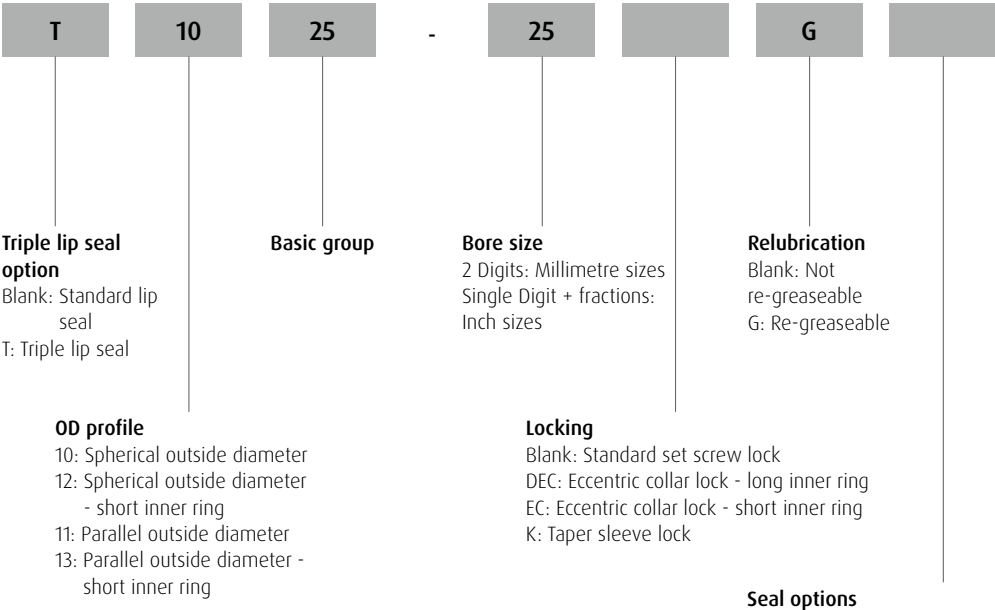


Standard Self-Lube® insert references



List of common prefixes and suffixes

Prefixes

- B Unit or bearing insert supplied without locking collar.
- J Grease groove on the side of the bearing insert nearest to the locking device.
- T Triple lip sealed bearing insert.

Suffixes

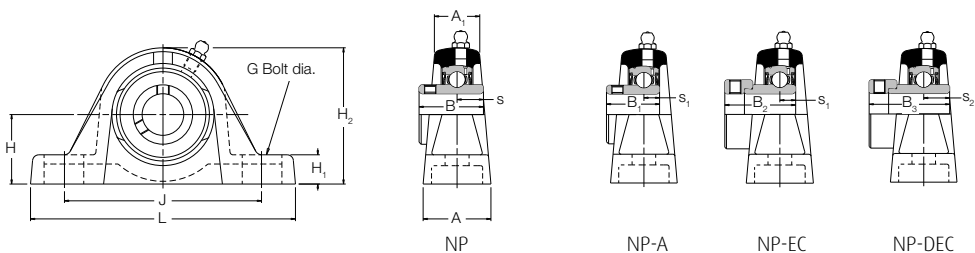
- A Unit fitted with set screw lock insert with flush inner ring on one side.
- C4 Radial clearance greater than C3.
- CG Parallel outside diameter insert with grease groove and snap ring fitted.
- DEC Eccentric collar lock with extended inner ring.
- DL Double locking inner ring – 4 set screws (2 each end).
- EC Eccentric collar lock with flush inner ring on one side.
- FS Bearing insert fitted with flinger seals.
- G Bearing insert having relubrication facility.
- HLT High and low temperature bearing insert.
- K Bearing insert with tapered bore.
- L Larger than normal unit for the basic bore size.
- P Housing fitted with 1/8" BSP grease nipple (standard is 1/4" UNF).
- R Smaller than normal unit for the basic bore size.

Seal options

- Blank: Standard single lip seal
- FS: Flinger seal
- ZZ: Shields
- ZZFS: Shields & flinger seals
- HLT: High/low temperature insert

Self-Lube® cast iron pillow block units

NP Series

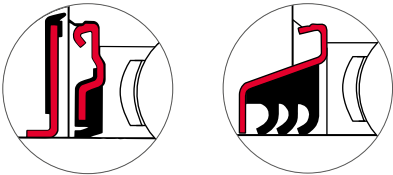


Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions (mm)				Bolt centres	
mm	inches							L	H	H ₁	H ₂	J _{max}	J _{min}
12		NP12A		NP12EC		1017	1	126.5	30.20	14.2	57.2	100.5	85.5
15		NP15A		NP15EC									
16		NP16		NP16EC									
17		NP17A		NP17EC									
	½	NP½		NP½EC									
	¾	NP¾A		NP¾EC									
20		NP20	NP20A	NP20EC	NP20DEC	1020	2	127.0	33.30	14.0	65.2	100.5	88.5
	¾	NP¾	NP¾A	NP¾EC	NP¾DEC								
25		NP25	NP25A	NP25EC	NP25DEC	1025	3	139.0	36.50	16.0	71.0	112.7	96.8
	¾	NP¾		NP¾EC	NP¾DEC								
	1⅝	NP1⅝		NP1⅝EC	NP1⅝DEC								
	1	NP1	NP1A	NP1EC	NP1DEC								
30		NP30	NP30A	NP30EC	NP30DEC	1030	4	160.5	42.90	17.7	82.7	129.5	108.5
	1⅝	NP1⅝		NP1⅝EC	NP1⅝DEC								
	1⅜	NP1⅜		NP1⅜EC	NP1⅜DEC								
	1¼	NP1¼R	NP1¼AR	NP1¼ECR	NP1¼DECR								
35		NP35	NP35A	NP35EC	NP35DEC	1035	5	166.0	47.60	17.5	93.0	136.5	121.5
	1¼	NP1¼	NP1¼A	NP1¼EC	NP1¼DEC								
	1⅝	NP1⅝		NP1⅝EC	NP1⅝DEC								
	1⅞	NP1⅞		NP1⅞EC	NP1⅞DEC								
40		NP40	NP40A	NP40EC	NP40DEC	1040	6	180.5	49.20	18.5	98.5	148.0	127.0
	1½	NP1½	NP1½A	NP1½EC	NP1½DEC								
45		NP45	NP45A	NP45EC	NP45DEC	1045	7	190.5	54.00	20.0	108.0	154.5	140.5
	1⅝	NP1⅝		NP1⅝EC	NP1⅝DEC								
	1⅞	NP1⅞		NP1⅞EC	NP1⅞DEC								
	1¼	NP1¼	NP1¼A	NP1¼EC	NP1¼DEC								
50		NP50	NP50A	NP50EC	NP50DEC	1050	8	206.0	57.20	21.0	115.2	163.0	154.0
	1⅝	NP1⅝		NP1⅝EC	NP1⅝DEC								
	1⅞	NP1⅞		NP1⅞EC	NP1⅞DEC								
	2	NP2R		NP2DEC	NP2DEC								
55		NP55		NP55DEC		1055	9	219.5	63.50	24.8	129.5	178.5	162.5
	2	NP2		NP2DEC									
	2⅝	NP2⅝		NP2⅝DEC									
	2⅜	NP2⅜		NP2⅜DEC									
60		NP60		NP60DEC		1060	10	240.0	69.90	26.3	142.3	201.0	176.0
	2¼	NP2¼		NP2¼DEC									
	2⅝	NP2⅝		NP2⅝DEC									
	2⅞	NP2⅞		NP2⅞DEC									

Please check availability

Bearing inserts with flinger seals shown on pages 89 and 90 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. NP40FS.

Triple seal bearing inserts shown on pages 86 to 88 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TNP25.



Dimensions (mm)										ISO Load ratings		Rec. max. speed	Mass (approx.)
G	A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	dynamic C _r newtons	static C _{0r} newtons	rev/min	kg
10	30.5	20.5	27.38	-	28.63	-	11.58	6.53	-	9550	4800	7000	0.5
10	32.5	22.5	31.00	25.80	31.03	43.73	12.73	7.53	17.13	12800	6650	6700	0.6
10	36.5	24.5	34.10	27.30	31.03	44.43	14.33	7.53	17.53	14000	7880	6250	0.7
12	41.5	27.5	38.10	31.20	35.73	48.43	15.93	9.03	18.33	19500	11300	5300	1.3
12	44.5	30.5	42.90	34.90	38.93	51.13	17.53	9.53	18.83	25700	15300	4500	1.7
12	51.0	34.5	49.20	41.20	43.73	56.33	19.03	11.03	21.43	32500	19900	4000	2.1
12	54.0	36.0	49.20	41.20	43.73	56.33	19.04	11.04	21.44	32500	20500	3700	2.8
16	55.0	36.0	51.60	43.50	43.73	62.73	19.04	11.04	24.64	35000	23200	3400	3.2
16	60.0	39.5	55.60	-	-	71.42	22.24	-	27.84	43500	29200	3100	4.0
16	70.0	46.0	65.10	-	-	77.84	25.44	-	31.04	48000	33000	2800	5.9