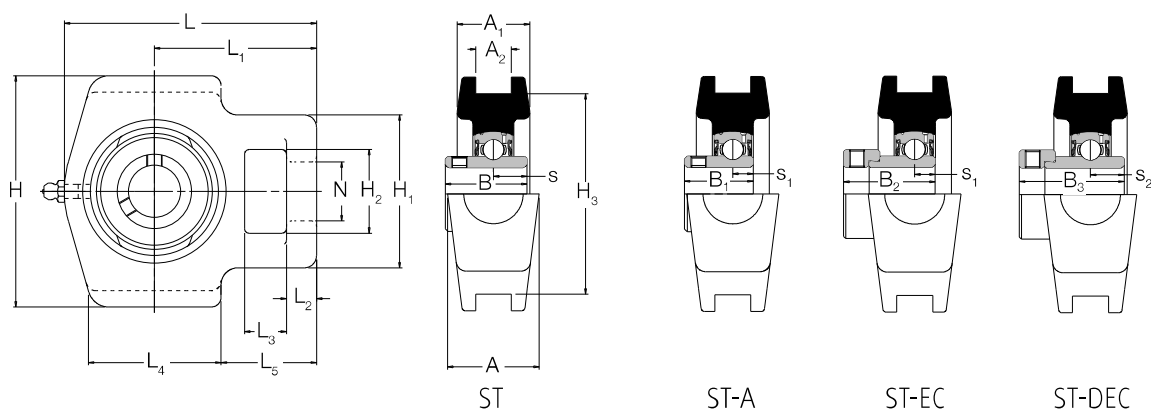


Self-Lube[®] cast iron take-up bearing units

ST Series

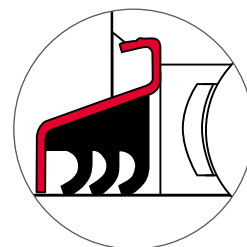
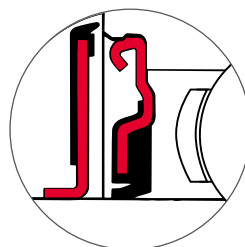


Shaft diameter		RHP designation				Basic bearing insert	Casting group	Dimensions (mm)						
mm	inches							L	L ₁	L ₂	L ₃	L ₄	L ₅	H
20		ST20	ST20A	ST20EC	ST20DEC	1020	2	95.5	62.0	11.5	16.0	50.5	36.5	88.5
	¾	ST¾	ST¾A	ST¾EC	ST¾DEC									
25		ST25	ST25A	ST25EC	ST25DEC	1025	3	98.0	62.0	11.5	16.0	50.5	36.5	88.5
	⅞	ST⅞		ST⅞EC	ST⅞DEC									
	1⅕	ST1⅕		ST1⅕EC	ST1⅕DEC									
30	1	ST1	ST1A	ST1EC	ST1DEC									
		ST30	ST30A	ST30EC	ST30DEC	1030	4	115.5	72.5	12.5	16.5	64.5	43.0	101.5
	1⅛	ST1⅛		ST1⅛EC	ST1⅛DEC									
	1⅜	ST1⅜		ST1⅜EC	ST1⅜DEC									
	1¼	ST1¼R	ST1¼AR	ST1¼ECR	ST1¼DECR									
35		ST35	ST35A	ST35EC	ST35DEC	1035	5	124.0	75.5	12.5	16.5	64.5	43.0	101.5
	1¼	ST1¼	ST1¼A	ST1¼EC	ST1¼DEC									
	1⅜	ST1⅜		ST1⅜EC	ST1⅜DEC									
	1⅞	ST1⅞		ST1⅞EC	ST1⅞DEC									
40		ST40	ST40A	ST40EC	ST40DEC	1040	6	143.5	89.2	15.5	20.5	81.5	50.5	118.0
	1½	ST1½	ST1½A	ST1½EC	ST1½DEC									
45		ST45	ST45A	ST45EC	ST45DEC	1045	7	147.0	89.2	15.5	20.5	81.5	50.5	118.0
	1⅝	ST1⅝		ST1⅝EC	ST1⅝DEC									
	1⅞	ST1⅞		ST1⅞EC	ST1⅞DEC									
	1⅞	ST1⅞		ST1⅞EC	ST1⅞DEC									
	1⅞	ST1⅞		ST1⅞EC	ST1⅞DEC									
	1⅞	ST1⅞		ST1⅞EC	ST1⅞DEC									
50		ST50	ST50	ST50EC	ST50DEC	1050	8	151.0	90.5	15.5	20.5	81.5	50.5	118.0
	1⅞	ST1⅞		ST1⅞EC	ST1⅞DEC									
	1⅞	ST1⅞		ST1⅞EC	ST1⅞DEC									
	2	ST2R												
55		ST55			ST55DEC	1055	9	182.0	114.0	19.0	32.0	97.5	70.0	146.0
	2	ST2			ST2DEC									
	2⅛	ST2⅛			ST2⅛DEC									
	2⅜	ST2⅜			ST2⅜DEC									
60		ST60			ST60DEC	1060	10	192.0	119.0	19.0	32.0	97.5	70.0	146.0
	2¼	ST2¼			ST2¼DEC									
	2⅜	ST2⅜			ST2⅜DEC									
	2⅞	ST2⅞			ST2⅞DEC									
65		ST65			ST65DEC	1070	11	222.5	137.5	21.5	32.0	120.5	77.0	166.5
70		ST70			ST70DEC									
	2½	ST2½			ST2½DEC									
	2⅞	ST2⅞			ST2⅞DEC									
75		ST75			ST75DEC	1075	12	222.5	137.5	21.5	32.0	120.5	77.0	166.5
	2¾	ST2¾			ST2¾DEC									
	2⅞	ST2⅞			ST2⅞DEC									
	2⅞	ST2⅞			ST2⅞DEC									
80		ST80				1080	13	231.5	139.5	20.5	32.0	125.0	74.0	184.0
	3	ST3												
	3⅞	ST3⅞												
85		ST85				1085	14	260.5	162.0	28.5	38.0	140.0	90.5	198.5
	3¼	ST3¼												
	3⅞	ST3⅞												
	3⅞	ST3⅞												

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. ST45FS.

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. TST45.



Dimensions (mm)														ISO Load ratings		Rec. max. speed	Mass (approx.)
H ₁	H ₂	H ₃	N	A	A ₁	A ₂	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	dynamic C _r newtons	static C _{0r} newtons	rev/min	kg
58.5	32.0	76.0	22.5	36.0	27.5	13.50	31.00	25.80	31.03	43.73	12.73	7.53	17.13	12800	6650	6700	0.8
58.5	32.0	76.0	22.5	36.0	27.5	13.50	34.10	27.30	31.03	44.43	14.33	7.53	17.53	14000	7880	6250	1.0
64.5	37.5	89.0	22.5	36.5	30.0	13.50	38.10	31.20	35.73	48.43	15.93	9.03	18.33	19500	11300	5300	1.6
64.5	37.5	89.0	22.5	36.5	30.0	13.50	42.90	34.90	38.93	51.13	17.53	9.53	18.83	25700	15300	4500	1.6
82.5	49.5	101.0	29.0	49.5	37.0	17.50	49.20	41.20	43.73	56.33	19.03	11.03	21.43	32500	19900	4000	2.7
82.5	49.5	101.0	29.0	49.5	37.0	17.50	49.20	41.20	43.73	56.33	19.04	11.03	21.43	32500	20500	3700	2.8
82.5	49.5	101.0	29.0	49.5	37.0	17.50	51.60	43.50	43.73	62.73	19.04	11.03	24.64	35000	23200	3400	2.8
101.0	64.0	130.0	35.0	63.5	46.5	27.00	55.60	-	-	71.42	22.24	-	27.84	43500	29200	3100	4.2
101.0	64.0	130.0	35.0	63.5	46.5	27.00	65.10	-	-	77.84	25.44	-	31.04	48000	33000	2800	5.4
113.0	70.0	150.8	42.0	70.0	50.5	27.00	74.60	-	-	85.74	30.24	-	34.14	61000	45000	2450	7.9
113.0	70.0	150.8	42.0	70.0	50.5	27.00	77.80	-	-	92.14	33.34	-	37.34	66000	49500	2300	8.4
113.0	70.0	165.1	42.0	70.0	54.0	27.00	82.60	-	-	-	33.34	-	-	71500	54500	2150	9.0
124.0	73.0	173.0	47.5	79.5	68.5	46.05	85.70	-	-	-	34.15	-	-	83000	64000	2000	13.7