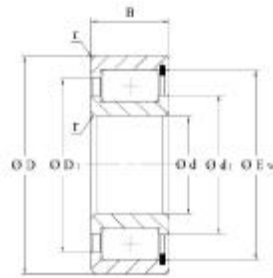
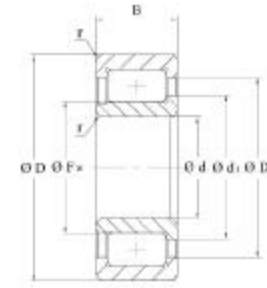


**Cylindrical roller bearings**  
**full complement**  
**single row**  
**Semi-locating**  
**Series SL1829**  
**SL1830**  
**SL1822**  
**SL1923**

**HMEC**



SL1829, SL1830, SL1822, SL1818



SL1923

Shaft diameter	Dimensions					Mounting dimensions				Basic Load rating	
	d	D	B	r	s	F <sub>w</sub>	d <sub>1</sub>	D <sub>1</sub>	E <sub>w</sub>	dyn. C	stat. C <sub>0</sub>
	mm			min							kN
20	20	42	16	0.6	1.5	-	29	33	36.5	27.5	26.5
	20	47	18	1	1	-	30	37	41.5	41	37.5
25	25	47	16	0.6	1.5	-	34.5	38.5	42.5	31.5	32.5
	25	52	18	1	1	-	35	42	46.5	46	45
	25	62	24	1.1	2	31.72	36.5	47.5	-	65	60
30	30	55	19	1	2	-	40	45	49.5	40.5	43
	30	62	20	1	1	-	42	50.5	55	63	65
	30	72	27	1.1	2	38.30	43.5	56	-	89	88
35	35	62	20	1	2	-	45	51	55.5	49.5	55
	35	72	23	1.1	1	-	47	59	64	79	79
	35	80	31	1.5	2	44.68	51	65.5	-	113	112
40	40	68	21	1	2	-	50.5	57.5	61.5	59	68
	40	80	23	1.1	1	-	54	66	71	87	83
	40	90	33	1.5	2	51.12	57.5	75	-	152	156
45	45	75	23	1	2	-	55.5	62	66.5	63	76
	45	85	23	1.1	1	-	57.5	69.5	74.5	90	99
	45	100	36	1.5	3	56.10	62.5	80	-	162	172
50	50	80	23	1	2	-	59	67.5	72	79	96

Fatigue limit load	Limiting speed	Reference speed	Code bearing	Mass
P <sub>u</sub>	n <sub>G</sub>	n <sub>B</sub>	HMEC	≈
kN	min <sup>-1</sup>	min <sup>-1</sup>		kg
3.45	10000	9000	<b>SL18 3004</b>	0.11
4.75	9500	8000	<b>SL18 2204</b>	0.16
4.3	9000	7000	<b>SL18 3005</b>	0.12
5.7	8500	6500	<b>SL18 2205</b>	0.18
7.3	7500	5500	<b>SL19 2305</b>	0.37
5.6	7500	6500	<b>SL18 3006</b>	0.2
8.1	7000	5500	<b>SL18 2206</b>	0.3
10.7	6500	4900	<b>SL19 2306</b>	0.56
7	6500	6000	<b>SL18 3007</b>	0.26
9.8	6000	5000	<b>SL18 2207</b>	0.44
13.9	5500	4300	<b>SL19 2307</b>	0.74
8.6	6000	5000	<b>SL18 3008</b>	0.31
11.4	5500	4400	<b>SL18 2208</b>	0.55
19.1	5000	3600	<b>SL19 2308</b>	1.01
9.6	5500	5000	<b>SL18 3009</b>	0.4
12.3	5000	4200	<b>SL18 2209</b>	0.59
21	4500	3700	<b>SL19 2309</b>	1.37
12	5000	4500	<b>SL18 3010</b>	0.43