



Sliding contact surfaces: Steel / Steel

SA...E

SA...ES、SAS...ES

Bearing number	Dimensions												Load ratings kN		Weight ≈kg
	d	B	dk	C ₁ max	d ₂	G 6g	h	l ₁ min	l ₂	l ₇	r _s min	α° ≈	D _{dynamic}	S _{static}	
SA5E ¹⁾	5	6	10	4.5	21	M5	36	16	46.5	11.5	0.3	13	3.4	3.9	0.015
SA6E ¹⁾	6	6	10	4.5	21	M6	36	16	46.5	11.5	0.3	13	3.4	5.5	0.016
SA8E ¹⁾	8	8	13	6.5	24	M8	42	21	54	13	0.3	15	5.5	10	0.026
SA10E ¹⁾	10	9	16	7.5	29	M10	48	26	62.5	15.5	0.3	12	8.1	16	0.050
SA12E ¹⁾	12	10	18	8.5	34	M12	54	28	71	18	0.3	10	10	23	0.068
SA15ES ²⁾	15	12	22	10.5	40	M14	63	34	83	21	0.3	8	16	32	0.120
SA17ES ²⁾	17	14	25	11.5	46	M16	69	36	92	24	0.3	10	21	44	0.190
SA20ES ²⁾	20	16	29	13.5	53	M20X1.5	78	43	104.5	25.5	0.3	9	30	60	0.300
SA25ES	25	20	35.5	18	64	M24X2	94	53	126	31	0.6	7	48	83	0.555
SA30ES	30	22	40.7	20	73	M30X2	110	65	146.5	35.5	0.6	6	62	110	0.875
SA35ES	35	25	47	22	82	M36X3	140	82	181	41	0.6	6	79	146	1.42
SA40ES	40	28	53	24	92	M39X3	150	86	196	47	0.6	7	99	180	1.85
SAS40ES	40	28	53	23	92	M42X3	145	86	191	47	0.6	7	99	180	2.04
SA45ES	45	32	60	28	102	M42X3	163	92	214	52	0.6	7	127	240	2.49
SAS45ES	45	32	60	27	102	M45X3	165	95	216	52	0.6	7	127	240	2.74
SA50ES	50	35	66	31	112	M45X3	185	104	241	60	0.6	6	156	290	3.58
SAS50ES	50	35	66	30	112	M52X3	195	110	251	60	0.6	6	156	290	4.07
SA60ES	60	44	80	39	135	M52X3	210	115	277.5	75.5	1.0	6	245	450	5.89
SAS60ES	60	44	80	38	135	M60X4	225	120	292.5	75.5	1.0	6	245	450	6.79
SA70ES	70	49	92	43	160	M56X4	235	125	315	95	1.0	6	313	610	8.51
SAS70ES	70	59	92	42	160	M72X4	265	132	345	95	1.0	6	313	610	11.2
SA80ES	80	55	105	48	180	M64X4	270	140	360	105.5	1.0	6	400	750	12.3
SAS80ES	80	55	105	47	180	M80X4	295	147	385	105.5	1.0	6	400	750	15.3

Can not be relubricated.

Can only be relubricated through the rod end housing.

Can supply other rod ends with different pitch or accuracy of thread.

For left-hand thread, suffix "L" is added to bearings number and thread sign, e.g. SAL20ES M20X1.5L-6g.