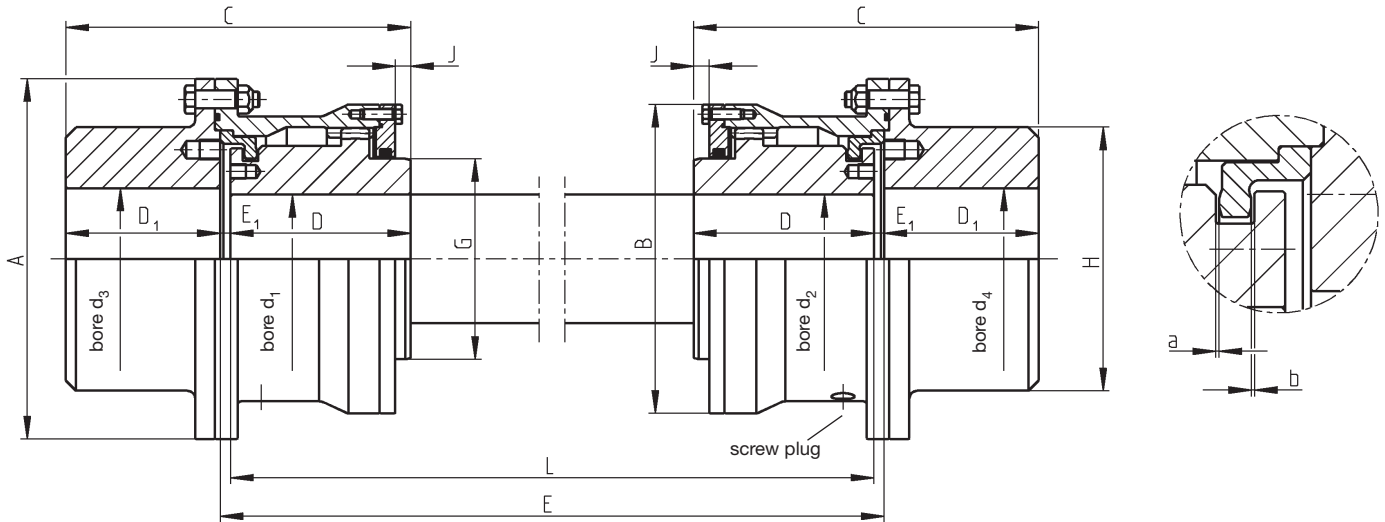


Curved Tooth Couplings



Construction Series SRGk

Dimension Table No. 243 136/ 1



The construction series SRGk is equipped with two Z-shaped retaining rings for end float limitation.

For these types, the permissible angular misalignment depends on the axial clearances a and b.

For coupling selection, please see page 6.

Torsional stiffness values for couplings with intermediate shaft are contained in the data table for SBk-type couplings.

1) The speed n_{max} depends on the length and weight of the intermediate shaft.

The maximum speed capacity is determined by the misalignment. Please see table 'Speed Factors'.

2) The permissible angular misalignment $\Delta K_{w perm.}$ is 0.6° per coupling half, based on the values stated in the list.

The axial clearances a and b can be varied if the operation conditions require so.

3) Values for the complete coupling without intermediate shaft, with bores $d_1; d_2 max.$ and $d_3; d_4 max.$

Other sizes available on request.

Type SRGk	Norm. Speed ¹⁾ cont. duty $\frac{P_{KN}}{n}$ kW·min	n_{max} rpm	Dimensions												Axial clearances ²⁾ a and b				
			bore $d_1; d_2; d_3; d_4$			A	B	C	D	D ₁	E ₁	G	H	J	Total grease quantity	Mass ³⁾ moment of inertia J	Weight ³⁾		
Size			min	max	max	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kgm ²	kg
38	0.082	7500	12	40	55	118	92	113.5	60	50	3.5	52	80	5	0.5	0.08	0.013	8.5	
48	0.146	6900	22	50	65	145	115	135	70	60	5	71	95	5	0.5	0.15	0.031	14.1	
60	0.288	6300	22	63	75	165	135	155	80	70	5	83	112	5	0.5	0.22	0.062	20.5	
70	0.50	5900	28	75	90	200	160	176	90	80	6	103	130	4	0.5	0.30	0.15	33.5	
80	0.82	5400	28	85	100	220	178	196	100	90	6	116	150	4	0.5	0.46	0.25	48	
90	1.14	5000	32	95	115	240	196	216	110	100	6	133	170	4	0.5	0.63	0.40	60	
100	1.64	4700	32	105	130	270	225	243	125	110	8	142	190	7	0.5	1.0	0.72	90	
110	2.30	4300	55	115	140	280	240	268	140	120	8	156	205	12	1.0	1.1	1.0	106	
125	2.88	4000	65	130	155	310	265	288	150	130	8	177	225	12	1.0	1.2	1.6	142	
140	4.60	3700	75	150	170	340	295	330	170	150	10	200	250	10	1.0	1.5	2.95	195	
160	6.48	3400	85	170	195	390	325	365	190	165	10	230	285	15	1.0	1.8	4.7	264	
180	9.24	3100	120	190	225	435	370	422	220	190	12	261	325	18	1.0	3.0	9.0	400	
200	12.92	2900	140	210	250	480	415	482	250	220	12	296	360	18	1.0	4.8	15.6	552	
225	18.4	2700	160	240	280	545	465	539	280	245	14	338	410	21	1.0	7.4	28.2	790	

Subject to change due to technical improvement.