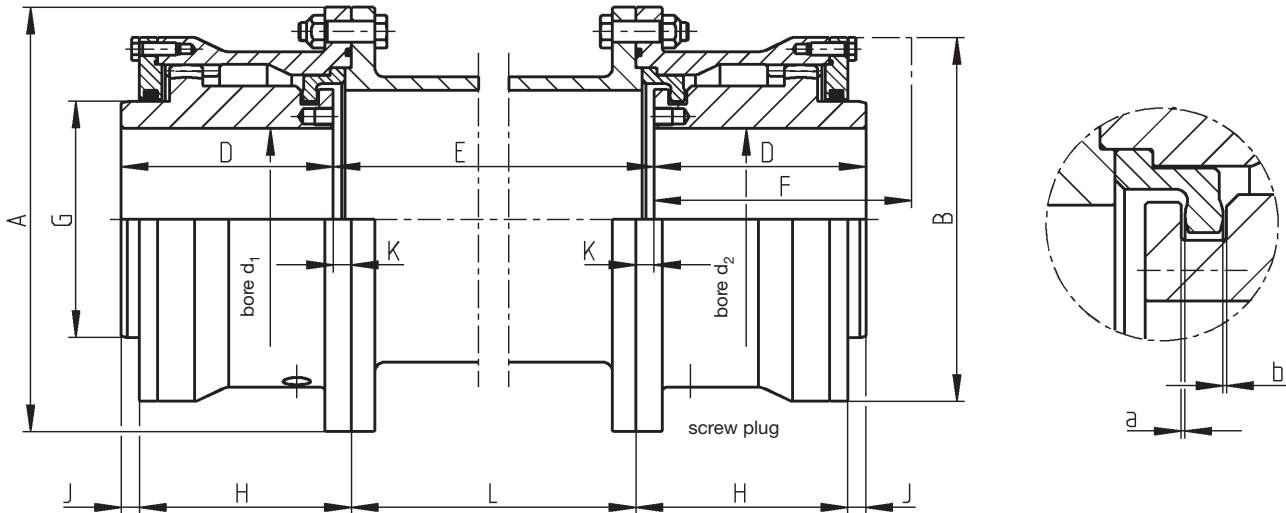


Curved Tooth Couplings



Construction Series SRLk

Dimension Table No. 243 132/ 1



The construction series SRLk 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.

Spacer length

$$L = E - 2 \times K$$

Other sizes available on request.

Torsional stiffness values, mass moments of inertia for couplings with spacer, and weight details are contained in the data table for SBk-type couplings.

The dismounting dimension F is required for the vertical installation and removal of the machines and for mounting the retaining rings and O-rings.

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

The maximum speed capacity is determined by the misalignment. Please see the 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 spacer, with bore $d_1; d_2 max.$

Type SRLk	Norm. cont. duty $\frac{P_{KN}}{n}$ kW·min	Speed ¹⁾ $n_{max.}$ rpm	Dimensions											Axial clearances ²⁾ a and b mm	Total grease ³⁾ quantity kg	Mass ³⁾ moment of inertia J kgm ²	Weight ³⁾ kg
			bore $d_1; d_2$		A	B	D	F	G	H	J	K					
Size			min mm	max mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				
38	0.082	7500	12	40	118	92	60	90	52	58.5	5	3.5	0.5	0.08	0.01	5.3	
48	0.146	6900	22	50	145	115	70	100	71	72.0	5	7.0	0.5	0.15	0.02	10	
60	0.288	6300	22	63	165	135	80	110	83	82.0	5	7.0	0.5	0.22	0.05	15	
70	0.50	5900	28	75	200	160	90	120	103	94.5	4	8.5	0.5	0.30	0.10	24	
80	0.82	5400	28	85	220	178	100	130	116	105	4	9	0.5	0.46	0.16	31	
90	1.14	5000	32	95	240	196	110	140	133	115	4	9	0.5	0.63	0.25	42	
100	1.64	4700	32	105	270	225	125	150	142	130	7	12	0.5	1.0	0.50	60	
110	2.30	4300	55	115	280	240	140	170	156	140	12	12	1.0	1.1	0.64	72	
125	2.88	4000	65	130	310	265	150	180	177	150	12	12	1.0	1.2	1.00	96	
140	4.60	3700	75	150	340	295	170	200	200	175	10	15	1.0	1.5	1.93	136	
160	6.48	3400	85	170	390	325	190	230	230	190	15	15	1.0	1.8	3.14	182	
180	9.24	3100	120	190	435	370	220	260	261	219	18	17	1.0	3.0	5.75	268	
200	12.92	2900	140	210	480	415	250	300	296	249	18	17	1.0	4.8	9.85	365	
225	18.4	2700	160	240	545	465	280	330	338	279	21	20	1.0	7.4	18.40	553	

Subject to change due to technical improvement.