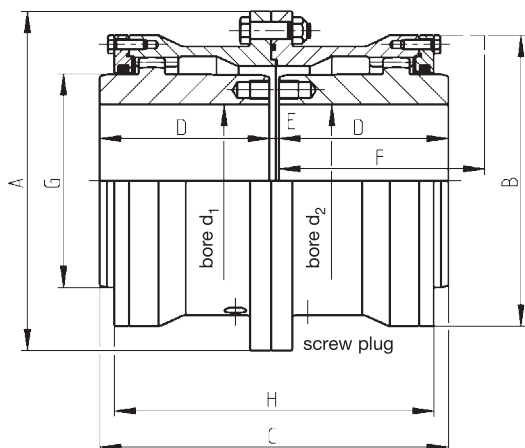


Curved Tooth Couplings



Construction Series SBk

Dimension Table No. 243 126/1 Page 1



For coupling selection, please see page 6.

The dismounting dimension F is required to allow vertical installation and removal of the machines and O-ring replacement.

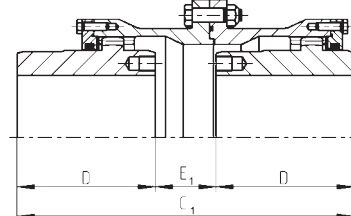
Sizes 38 to 225 available from stock.
Other sizes available on request.

For torsional stiffness values, please see the data tables for SBk-type couplings.

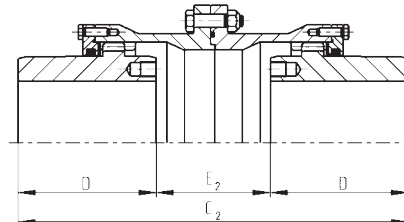
1) Based on a permissible angular misalignment of $\Delta K_{w \text{ perm.}} = 0.75^\circ$ per coupling half.

Higher misalignment capacity is possible, but requires special measures.

Hub configuration II



Hub configuration III



2) Values for the complete coupling with bore $d_1; d_2 \text{ max.}$

3) The maximum speed capacity depends on the misalignment. Please see table 'Speed Factors'.

Type SBk	Norm. Speed ³⁾		Dimensions															Max. static ¹⁾ radial misalign- ment ΔK _{max.}	Total grease quantity	Mass ²⁾ moment of inertia J	Weight ²⁾
	cont. duty	rpm	bore d ₁ ;d ₂		A	B	C	C ₁	C ₂	D	E	E ₁	E ₂	F	G	H					
			min	max																	
Size	$\frac{P_{KN}}{n}$	n _{max.}	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kgm ²	kg
38	0.082	7500	12	42	118	92	125	137	149	60	5	17	29	90	60	115		±1.01	0.09	0.007	4.6
48	0.146	6900	22	55	145	115	145	166	187	70	5	26	47	100	77	135		±1.26	0.09	0.018	8.1
60	0.288	6300	22	65	165	135	166	193	220	80	6	33	60	110	90	155		±1.50	0.17	0.036	11.9
70	0.50	5900	28	80	200	160	186	222	258	90	6	42	78	120	112.5	178		±1.73	0.25	0.087	20
80	0.82	5400	28	92	220	178	206	248	290	100	6	48	90	130	128	198		±1.95	0.35	0.146	27
90	1.14	5000	32	105	240	196	228	276	324	110	8	56	104	140	145	218		±2.25	0.40	0.22	33
100	1.64	4700	32	115	270	225	258	309	360	125	8	59	110	150	160.5	244		±2.40	0.60	0.42	50
110	2.30	4300	55	126	280	240	288	342	396	140	8	62	116	170	176	264		±2.70	0.75	0.55	59
125	2.88	4000	65	145	310	265	310	368	426	150	10	68	126	180	200.5	284		±2.85	1.00	0.91	78
140	4.60	3700	75	162	340	295	350	420	490	170	10	80	150	200	224.5	330		±3.30	1.3	1.58	111
160	6.48	3400	85	185	390	325	392	464	536	190	12	84	156	230	256.5	360		±3.60	1.6	2.78	154
180	9.24	3100	120	210	435	370	452	540	628	220	12	100	188	260	288.5	416		±4.20	2.6	4.96	218
200	12.92	2900	140	230	480	415	514	616	718	250	14	116	218	300	320.5	476		±4.80	3.3	8.4	305
225	18.4	2700	160	260	545	465	576	688	800	280	16	128	240	330	362	532		±5.40	4.8	15.6	445
250	25.6	2400	160	280	580	510	620	752	884	300	20	152	284	350	400	556		±6.00	5	21.8	550
265	32.8	2200	180	310	645	560	680	815	948	330	20	154	288	380	440	600		±6.30	7	34.0	735
280	41.0	2100	200	325	680	595	680	854	1028	330	20	194	368	380	460	640		±6.75	8	45.5	850
315	51.4	2000	220	360	745	660	740	926	1112	360	20	206	392	420	510	702		±6.75	10	71	1060
335	64.8	1900	240	380	775	675	780	981	1182	380	20	221	422	440	535	744		±7.50	11	88	1275
355	82.0	1800	260	410	825	725	825	1034	1243	400	25	234	443	460	580	786		±8.25	13	127	1530
375	98.6	1700	280	440	915	795	865	1061	1257	420	25	221	417	480	620	808		±8.25	20	192	1920
400	118.3	950	330	470	960	840	905	1094	1283	440	25	214	403	500	665	830		±8.25	26	242	2200
425	138.0	900	355	500	1010	890	945	1145	1345	460	25	225	425	520	710	870		±9.00	29	330	2640
450	165.1	875	370	520	1050	925	990	1180	1370	480	30	220	410	550	730	890		±9.00	32	389	3035

Subject to change due to technical improvement.