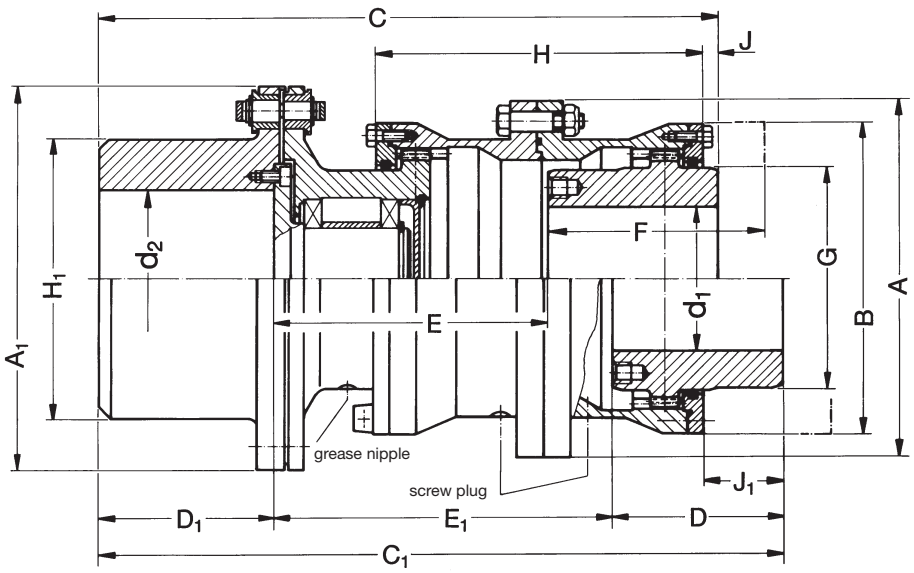
Curved Tooth Couplings
Shear Pin Design Type SBBk

Table of Dimensions No. 243 197



Hub arrangement I

Hub arrangement II

1) Values for complete coupling with max. d_1; d_2 bores

Type SBBk Size	Mass Moment of Inertia 1) kgm²	Grease Quantity Coupling kg	Grease Quantity Ball Bearing kg	Weight 1) kg
38	0,011	0,085	0,02	6,0
48	0,029	0,09	0,03	13,2
60	0,061	0,17	0,06	20,6
70	0,146	0,25	0,09	35
80	0,244	0,35	0,17	48
90	0,379	0,40	0,22	60
100	0,697	0,60	0,27	85
110	0,943	0,75	0,34	102
125	1,47	1,0	0,44	130
140	2,42	1,3	0,6	175
160	4,50	1,6	1,0	254
180	8,12	2,6	1,3	362
200	14,35	3,3	1,8	505
225	25,47	4,8	2,3	715

The couplings of construction series SBBk are equipped for grease lubrication.

The max. cut-off torque is about 2,5 times the normal torque for continuous operation.

The structure of the SBBk series allows different arrangements for the hub in the housing, so that greater shaft distances can be bridged over. In case of taper bores, the enlarged E-dimension provides space for the use of shaft nuts.

Dimensions are subject to change due to technical progress.

Type SBBk Size	Norm. cont. duty $\frac{P_{KN}}{n}$ kW·min	Speed $n_{max.}$ rpm	Bore $d_1; d_2$ min. mm	Bore d_1 max. mm	Bore d_2 max. mm	Dimensions A mm	A1 mm	B mm	C mm	C1 mm	D mm	D1 mm	E mm	E1 mm	F mm	G mm	H mm	H1 mm	J mm	J1 mm
38	0,082	7500	12	42	50	118	125	92	232	244	60	60	112	124	90	60	115	80	5	17
48	0,146	6900	22	55	65	145	150	115	264,5	285,5	70	70	124,5	145,5	100	77	135	100	5	26
60	0,288	6300	22	65	75	165	180	135	306,5	333,5	80	80	146,5	173,5	110	90	155	120	5,5	32,5
70	0,50	5900	28	80	95	200	210	160	350	386	90	100	160	196	120	112,5	178	150	4	40
80	0,82	5400	28	92	105	220	230	178	383	425	100	110	173	215	130	128	198	170	4	46
90	1,14	5000	32	105	115	240	250	196	422	470	110	120	192	240	140	145	218	180	5	53
100	1,64	4700	32	115	130	270	280	225	455	506	125	130	200	251	150	160,5	244	205	7	58
110	2,30	4300	55	126	150	280	300	240	494	548	140	140	214	268	170	176	264	215	12	66
125	2,88	4000	65	145	160	310	325	265	528	586	150	150	228	286	180	200,5	284	230	13	71
140	4,60	3700	75	162	170	340	360	295	592	662	170	170	252	322	200	224,5	330	250	10	80
160	6,48	3200	85	185	200	390	410	325	665	737	190	190	285	357	230	256,5	360	290	16	88
180	9,24	2600	120	210	225	435	460	370	756	844	220	220	316	404	260	288,5	416	330	18	106
200	12,92	2400	140	230	250	480	525	415	859	961	250	250	359	461	300	320,5	476	360	19	121
225	18,4	2000	160	260	280	545	580	465	948	1060	280	280	388	500	330	362	532	410	22	134