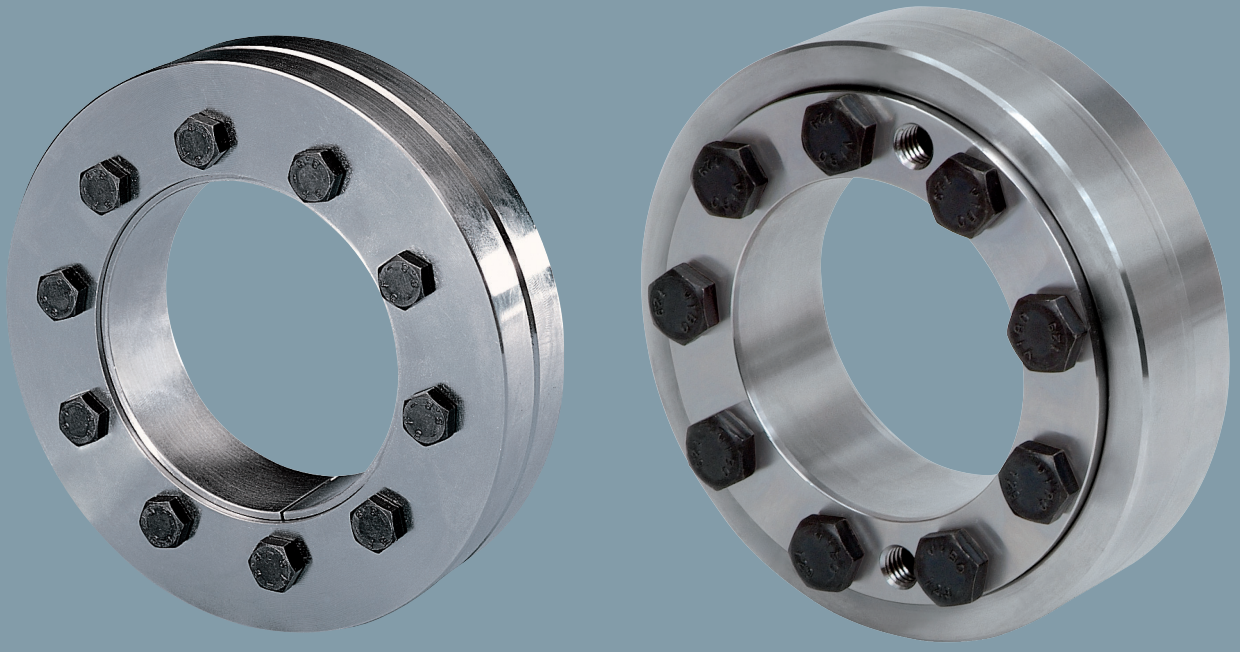


CONEX - Shrink Disc

0122

Rota Free India Pvt Ltd

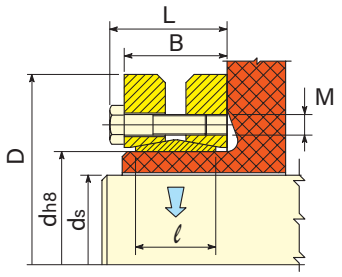
standard duty

External clamping excellent concentricity

Fit Tolerance

ds from	ds to	ISO	max clearance
10	18	H 6 / j 6	0,014
18	30		0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SD



Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 μm ≤ Ra ≤ 3.2 μm** (good finishing on lathe)

CONEX SD

Part number	d	ds		D	L	B	ℓ	M	T_s	T		F		T max.	
	mm	mm		mm	mm	mm	mm	mm	Nm	Nm		kN		Nm	
20SD014	14	10	12	38	14,5	11	9	M5	3,5	50	80	10	13	70	100
20SD016	16	12	14	41	18,5	15	11	M5	4	90	140	15	20	120	180
20SD018	18	14	16	44	18,5	15	12	M5	4	110	160	16	20	150	210
20SD020	20	15	18	50	22,5	19	14	M5	4	140	220	19	24	180	290
20SD024	24	19	21	50	22,5	19	14	M5	5	240	310	25	30	310	400
20SD030	30	24	26	60	24,5	21	16	M5	6	370	460	31	35	480	590
20SD036	36	28	31	72	27	23	18	M6	12	570	690	41	45	750	910
20SD044	44	32	36	80	29	25	20	M6	12	780	1120	49	62	1180	1660
20SD050	50	38	42	90	31	27	22	M6	12,5	1230	1650	65	79	1840	2430
20SD055	55	42	48	100	34	30	23	M6	12	1300	1900	62	79	1950	2800
20SD062	62	48	52	110	34	30	23	M6	12	2000	2350	83	90	2950	3450
20SD062PLUS	62	48	52	110	34	30	23	M6	12	2450	2900	102	112	3600	4250
20SD068	68	50	60	115	34	30	23	M6	12	1850	3000	74	100	2800	4400
20SD075	75	55	65	138	37,5	32	25	M8	30	2500	4250	91	131	3850	6250
20SD080	80	60	70	145	37,5	32	25	M8	30	2900	4650	97	133	4350	6850
20SD085	85	65	75	155	44,5	39	30	M8	31	5400	8100	166	216	7650	11200
20SD090	90	65	75	155	44,5	39	30	M8	30	4900	7450	151	199	6600	9800
20SD100	100	70	80	170	49,5	44	34	M8	30	6150	9150	176	229	8150	11800
20SD110	110	75	90	185	56,5	50	39	M10	61	7900	12650	211	281	10350	16250
20SD115	115	80	90	188	56,5	50	39	M10	61	8750	11450	219	254	11400	14900
20SD120	120	80	95	215	58,5	52	42	M10	59	11400	17350	285	365	14250	21400
20SD125	125	85	100	215	58,5	52	42	M10	59	11150	18600	262	372	14150	22950
20SD130	130	90	105	215	58,5	52	42	M10	59	12250	19900	272	379	15500	24450
20SD140	140	95	115	230	67,5	60	46	M12	100	15150	27000	319	470	19400	33500
20SD155	155	105	125	265	71,5	64	50	M12	100	20650	33850	393	542	26350	42150
20SD160	160	110	130	265	71,5	64	50	M12	100	22300	35700	405	549	28300	44300
20SD165	165	115	135	290	81	71	56	M16	250	33200	50900	577	754	40400	60700
20SD170	170	120	135	290	81	71	56	M16	250	35500	48200	592	714	43000	57800
20SD175	175	125	140	300	81	71	56	M16	250	36500	50600	584	723	44400	60600
20SD180	180	130	145	300	81	71	56	M16	250	38700	53100	595	732	47000	63400
20SD185	185	135	150	330	96	86	71	M16	250	51800	69700	767	929	62700	83200
20SD190	190	140	155	330	96	86	71	M16	250	54600	72700	780	938	66100	86800
20SD195	195	140	160	350	96	86	71	M16	250	64900	92700	927	1159	78300	110200
20SD200	200	150	165	350	96	86	71	M16	250	74900	96400	999	1168	89900	114600
20SD220	220	160	180	370	114	104	88	M16	250	95400	130200	1193	1447	114800	154700
20SD240	240	170	195	405	121,5	109	92	M20	490	125100	175400	1472	1799	149900	208000
20SD250	250	180	200	405	120,5	108	92	M20	490	162000	207800	1800	2078	193100	246200
20SD260	260	190	210	430	132,5	120	103	M20	490	169400	219300	1783	2089	202700	260100
20SD280	280	210	230	460	146,5	134	114	M20	490	224400	282600	2137	2457	267600	334400
20SD300	300	230	245	485	154,5	142	122	M20	490	288000	337000	2504	2751	342500	399000
20SD320	320	240	260	520	154,5	142	122	M20	490	326000	393500	2717	3027	388000	466000
20SD330	330	250	270	520	154,5	142	122	M20	490	383000	457500	3064	3389	454500	541000
20SD340	340	250	275	570	168,5	156	134	M20	490	400500	500500	3204	3640	476000	592000
20SD350	350	270	285	580	174,5	162	140	M20	490	456500	522000	3381	3663	542000	617500
20SD360	360	280	300	590	174,5	162	140	M20	490	479000	568000	3421	3787	568500	671000
20SD380	380	290	310	645	183	168	144	M24	840	584000	686500	4028	4429	695000	813000
20SD390	390	300	320	660	183	168	144	M24	840	644000	747500	4293	4672	765500	885500
20SD400	400	315	330	680	183	168	144	M24	840	699000	776000	4438	4703	829000	919000
20SD420	420	330	350	690	203	188	164	M24	840	829000	956000	5024	5463	985000	1131000
20SD440	440	340	360	750	217	202	177	M24	840	828000	953000	4871	5294	986000	1130000
20SD460	460	360	380	770	217	202	177	M24	840	1056000	1201000	5867	6321	1253000	1421000
20SD480	480	380	400	800	228	213	188	M24	840	1215000	1372000	6395	6860	1440000	1622000
20SD500	500	400	420	850	230	213	188	M27	1250	1386000	1546000	6930	7362	1642000	1828000

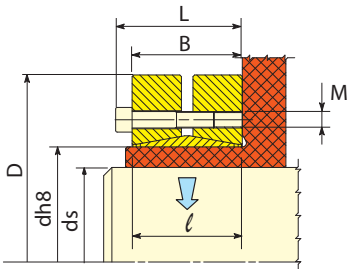
standard duty **w/Screws 12.9 DIN 912**

External clamping excellent concentricity

Fit Tolerance

ds from	ds to	ISO	max clearance
10	18	H 6 / j 6	0,014
18	30		0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SD - 12.9 DIN 912



Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 μm ≤ Ra ≤ 3.2 μm** (good finishing on lathe)

CONEX SD - 12.9 DIN 912

Part number	d mm	ds mm		D mm	L mm	B mm	ℓ mm	M mm	T_s Nm	T Nm		F kN		T max. Nm	
20SD100-12.9	100	70	80	170	52	44	34	M 8	35	7850	11250	224	281	9850	14050
20SD110-12.9	110	75	85	185	60	50	39	M 10	70	9950	13100	265	308	12400	16400
20SD115-12.9	115	80	90	188	60	50	39	M 10	70	10950	14200	274	316	13650	17750
20SD120-12.9	120	80	90	215	62	52	42	M 10	70	14200	18200	355	404	17750	22750
20SD125-12.9	125	85	95	215	62	52	42	M 10	70	14350	19600	338	413	17950	24550
20SD130-12.9	130	90	100	215	62	52	42	M 10	70	15650	21050	348	421	19600	26300
20SD140-12.9	140	95	105	230	72	60	46	M 12	120	19700	25950	415	494	24600	32400
20SD155-12.9	155	105	115	265	76	64	50	M 12	120	26600	33950	507	590	33250	42450
20SD160-12.9	160	110	120	265	76	64	50	M 12	120	28500	36000	518	600	35700	45000
20SD165-12.9	165	115	125	290	87	71	56	M 16	290	43300	52700	753	843	48100	58600
20SD170-12.9	170	120	130	290	87	71	56	M 16	290	46100	55600	768	855	51200	61800
20SD175-12.9	175	125	135	300	87	71	56	M 16	290	47700	58500	763	867	53000	65000
20SD180-12.9	180	130	140	300	87	71	56	M 16	290	50500	61400	777	877	56100	68300
20SD185-12.9	185	135	145	330	102	86	71	M 16	290	67200	80800	996	1114	74600	89800
20SD190-12.9	190	140	150	330	102	86	71	M 16	290	70700	84500	1010	1127	78600	93900
20SD195-12.9	195	140	155	350	102	86	71	M 16	290	83500	107700	1193	1390	92800	119600
20SD200-12.9	200	150	160	350	102	86	71	M 16	290	95600	112100	1275	1401	106200	124600
20SD220-12.9	220	160	170	370	120	104	88	M 16	290	122300	142100	1529	1672	135900	157900
20SD240-12.9	240	170	190	405	129	109	92	M 20	570	160600	207600	1889	2185	178400	230600
20SD260-12.9	260	190	210	430	140	120	103	M 20	570	217000	276200	2284	2630	241100	306900
20SD280-12.9	280	210	230	460	154	134	114	M 20	570	285600	354600	2720	3083	317300	394100
20SD300-12.9	300	230	245	485	162	142	122	M 20	570	364500	423000	3170	3453	405000	470000
20SD320-12.9	320	240	260	520	162	142	122	M 20	570	413000	494500	3442	3804	459000	549500
20SD340-12.9	340	250	270	570	176	156	134	M 20	570	507000	601500	4056	4456	563000	668000
20SD350-12.9	350	270	285	580	182	162	140	M 20	570	576500	654500	4270	4593	641000	727500
20SD360-12.9	360	280	300	590	182	162	140	M 20	570	604500	710000	4318	4733	671500	789000
20SD380-12.9	380	290	310	645	192	168	144	M 24	980	737000	859000	5083	5542	819000	954500
20SD390-12.9	390	300	320	660	192	168	144	M 24	980	811000	936000	5407	5850	901000	1040000
20SD400-12.9	400	315	330	680	192	168	144	M 24	980	878000	972000	5575	5891	975000	1080000
20SD420-12.9	420	330	350	690	212	188	164	M 24	980	1043000	1194000	6321	6823	1159000	1327000
20SD440-12.9	440	340	360	750	226	202	177	M 24	980	1046000	1195000	6153	6639	1162000	1328000
20SD460-12.9	460	360	380	770	226	202	177	M 24	980	1327000	1501000	7372	7900	1474000	1667000
20SD480-12.9	480	380	400	800	237	213	188	M 24	980	1524000	1712000	8021	8560	1693000	1902000
20SD500-12.9	500	400	420	850	240	213	188	M 27	1450	1727000	1921000	8635	9148	1919000	2134000

T (Nm)
F (kN) = Transmissible peak torque or axial force with tightening torque Ts

T max. (Nm) = Maximum theoretical calculated torque

Ts (Nm) = Screws tightening torque

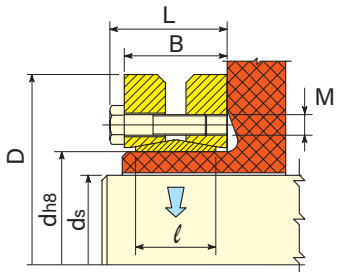
heavy duty

External clamping excellent concentricity

Fit Tolerance

ds from	ds to	ISO	max clearance
10	18	H 6 / j 6	0,014
18	30		0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SDL



Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 µm ≤ Ra ≤ 3.2 µm** (good finishing on lathe)

CONEX SDL

Part number	d mm	ds mm		D mm	L mm	B mm	ℓ mm	M mm	T_s Nm	T Nm		F kN		T max. Nm	
20SDL050	50	38	42	95	44	39	30	M 8	30	2100	2750	111	131	3050	3950
20SDL055	55	42	48	105	44	39	30	M 8	30	2350	3350	112	140	3400	4800
20SDL062	62	48	52	115	44	39	30	M 8	30	3050	3600	127	138	3950	4650
20SDL075	75	55	65	145	52,5	46	36	M 10	59	4900	7850	178	242	6350	10000
20SDL080	80	60	70	145	52,5	46	36	M 10	59	6050	9350	202	267	7200	10950
20SDL090	90	65	75	160	56,5	50	40	M 10	59	6950	10550	214	281	8350	12350
20SDL100	100	70	80	170	60,5	54	44	M 10	59	9100	13300	260	333	10900	15650
20SDL110	110	75	90	185	66,5	60	50	M 10	59	11300	17900	301	398	13600	21150
20SDL125	125	85	100	215	73	65	55	M 12	100	13650	22850	321	457	16950	27400
20SDL140	140	90	115	230	82	74	60	M 12	100	15750	33650	350	585	19700	40050
20SDL155	155	105	125	265	88	80	66	M 12	100	27200	44100	518	706	33250	52700
20SDL165	165	115	135	290	98	88	72	M 16	250	42000	63800	730	945	50900	76000
20SDL175	175	125	140	300	98	88	72	M 16	250	46100	63500	738	907	56000	76000
20SDL185	185	135	150	330	122	112	92	M 16	250	74700	99000	1107	1320	90000	117900
20SDL195	195	140	160	350	122	112	92	M 16	250	75100	107500	1073	1344	90700	128000
20SDL200	200	150	165	350	122	112	92	M 16	250	94000	120600	1253	1462	112700	143300
20SDL220	220	160	180	370	144	134	114	M 16	250	129100	174700	1614	1941	155000	207400
20SDL240	240	170	195	405	156,5	144	120	M 20	490	157000	219300	1847	2249	188000	260100
20SDL260	260	190	210	430	172,5	160	136	M 20	490	219000	282600	2305	2691	261900	335000
20SDL280	280	210	230	460	184,5	172	148	M 20	490	297100	372400	2830	3238	353800	440500
20SDL300	300	230	250	485	188,5	176	152	M 20	490	353000	433500	3070	3468	419500	512000
20SDL320	320	240	260	520	196,5	184	160	M 20	490	390000	471000	3250	3623	464500	558000
20SDL340	340	250	275	570	215	200	176	M 24	840	502500	627000	4020	4560	599500	744000
20SDL350	350	270	290	580	215	200	176	M 24	840	574500	684000	4256	4717	684000	810500
20SDL360	360	280	300	590	219	204	180	M 24	840	633500	748500	4525	4990	753000	886500
20SDL380	380	290	310	645	219	204	180	M 24	840	637500	750500	4397	4842	759000	889500
20SDL390	390	300	320	660	227	212	188	M 24	840	731000	849000	4873	5306	869500	1006500
20SDL400	400	310	330	680	227	212	188	M 24	840	763000	882000	4923	5345	907000	1045000
20SDL420	420	330	350	690	253	238	214	M 24	840	1037000	1194000	6285	6823	1232000	1413000
20SDL440	440	340	360	750	269	252	224	M 27	1250	1112000	1276000	6541	7089	1322000	1512000
20SDL460	460	360	380	770	269	252	224	M 27	1250	1415000	1606000	7861	8453	1678000	1900000
20SDL480	480	380	400	800	291	274	246	M 27	1250	1623000	1831000	8542	9155	1925000	2165000
20SDL500	500	400	420	850	291	274	246	M 27	1250	1856000	2067000	9280	9843	2198000	2445000

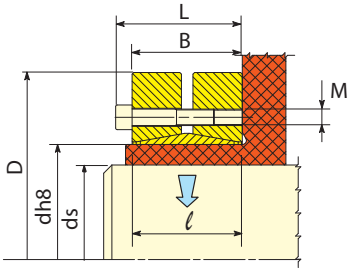
heavy duty **w/Screws 12.9 DIN 912**

External clamping excellent concentricity

Fit Tolerance

ds from	ds to	ISO	max clearance
10	18	H 6 / j 6	0,014
18	30		0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SDL - 12.9 DIN 912



Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 µm ≤ Ra ≤ 3.2 µm** (good finishing on lathe)

CONEX SDL - 12.9 DIN 912

Part number	d mm	ds mm		D mm	L mm	B mm	ℓ mm	M mm	T_s Nm	T Nm		F kN		T max. Nm	
20SDL050-12.9	50	38	42	95	47	39	30	M 8	32	2750	3500	145	167	3300	4250
20SDL055-12.9	55	42	48	105	47	39	30	M 8	32	3050	4250	145	177	3650	5150
20SDL062-12.9	62	48	52	115	47	39	30	M 8	32	3550	4150	148	160	4250	5000
20SDL075-12.9	75	55	65	145	56	46	36	M 10	63	5750	9000	209	277	6950	10850
20SDL080-12.9	80	60	70	145	56	46	36	M 10	63	6550	9850	218	281	7850	11850
20SDL090-12.9	90	65	75	160	60	50	40	M 10	63	7600	11200	234	299	9150	13500
20SDL100-12.9	100	70	80	170	64	54	44	M 10	63	9950	14150	284	354	11950	17050
20SDL110-12.9	110	75	85	185	70	60	50	M 10	63	12350	16300	329	384	14900	19650
20SDL125-12.9	125	85	95	215	77	65	55	M 12	108	15650	21650	368	456	18850	26050
20SDL140-12.9	140	90	110	230	86	74	60	M 12	120	21000	36400	467	662	25300	43850
20SDL155-12.9	155	105	115	265	92	80	66	M 12	120	34750	44150	662	768	41850	53200
20SDL165-12.9	165	115	125	290	104	88	72	M 16	290	54500	66200	948	1059	60600	73600
20SDL175-12.9	175	125	135	300	104	88	72	M 16	290	60100	73400	962	1087	66800	81600
20SDL185-12.9	185	135	145	330	128	112	92	M 16	290	96000	114700	1422	1582	106700	127400
20SDL195-12.9	195	140	155	350	128	112	92	M 16	290	96900	125000	1384	1613	107700	138900
20SDL200-12.9	200	150	160	350	128	112	92	M 16	290	119800	140400	1597	1755	133100	156000
20SDL220-12.9	220	160	170	370	150	134	114	M 16	290	164800	190800	2060	2245	183100	212000
20SDL240-12.9	240	170	190	405	164	144	120	M 20	570	201300	259700	2368	2734	223600	288500
20SDL260-12.9	260	190	210	430	180	160	136	M 20	570	280100	355700	2948	3388	311200	395200
20SDL280-12.9	280	210	230	460	192	172	148	M 20	570	377100	466900	3591	4060	419100	518800
20SDL300-12.9	300	230	250	485	196	176	152	M 20	570	446500	542000	3883	4336	496000	602500
20SDL320-12.9	320	240	260	520	204	184	160	M 20	570	494500	592000	4121	4554	549500	658000
20SDL340-12.9	340	250	270	570	224	200	176	M 24	980	636500	754500	5092	5589	707500	838500
20SDL350-12.9	350	270	290	580	224	200	176	M 24	980	726000	856500	5378	5907	806500	952000
20SDL360-12.9	360	280	300	590	228	204	180	M 24	980	798500	936500	5704	6243	887500	1040500
20SDL380-12.9	380	290	310	645	228	204	180	M 24	980	806000	941000	5559	6071	895500	1045500
20SDL390-12.9	390	300	320	660	236	212	188	M 24	980	922000	1064500	6147	6653	1024500	1183000
20SDL400-12.9	400	310	330	680	236	212	188	M 24	980	962000	1106000	6206	6703	1069000	1229000
20SDL420-12.9	420	330	350	690	262	238	214	M 24	980	1305000	1493000	7909	8531	1450000	1658000
20SDL440-12.9	440	340	360	750	279	252	224	M 27	1450	1395000	1590000	8206	8833	1550000	1767000
20SDL460-12.9	460	360	380	770	279	252	224	M 27	1450	1767000	1995000	9817	10500	1963000	2217000
20SDL480-12.9	480	380	400	800	301	274	246	M 27	1450	2026000	2273000	10663	11365	2251000	2526000
20SDL500-12.9	500	400	420	850	301	274	246	M 27	1450	2311000	2567000	11555	12224	2568000	2852000

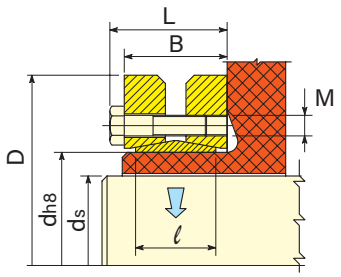
light duty

External clamping excellent concentricity

Fit Tolerance

ds from	ds to	ISO	max clearance
10	18	H 6 / j 6	0,014
18	30		0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SDS



Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 µm ≤ Ra ≤ 3.2 µm** (good finishing on lathe)

CONEX SDS

Part number	d mm	ds mm		D mm	L mm	B mm	ℓ mm	M mm	T_s Nm	T Nm		F kN		T max. Nm	
20SDS125	125	95	105	185	58	51	39	M 10	59	10000	14150	211	270	12100	16750
20SDS140	140	110	125	220	58	51	39	M 10	59	14550	21500	265	344	17400	25200
20SDS155	155	130	140	245	58	51	39	M 10	59	24550	30600	378	437	28950	35750
20SDS165	165	135	145	260	70	62	46	M 12	100	32000	39400	474	543	38200	46600
20SDS175	175	145	155	275	70	62	46	M 12	100	39200	47300	541	610	46700	55900
20SDS185	185	155	165	295	70	62	46	M 12	100	47100	55900	608	678	55900	65900
20SDS195	195	165	175	315	80	72	56	M 12	100	64200	75100	778	858	76000	88500
20SDS200	200	175	185	330	80	72	56	M 12	100	77200	88600	882	958	91100	104100
20SDS220	220	180	200	345	94	84	66	M 16	250	85100	111600	946	1116	101500	131800
20SDS240	240	200	215	370	94	84	66	M 16	250	117500	141900	1175	1320	139700	167600
20SDS260	260	220	235	395	102	92	72	M 16	250	155600	184000	1415	1566	184500	217000
20SDS280	280	230	250	425	114	104	84	M 16	250	177100	219600	1540	1757	210700	259200
20SDS300	300	250	270	460	114	104	84	M 16	250	223500	270000	1788	2000	265500	318500
20SDS320	320	270	290	495	116	106	84	M 16	250	273000	327000	2022	2255	324000	385000
20SDS340	340	290	305	535	116	106	84	M 16	250	314000	356000	2166	2334	371500	420000
20SDS350	350	300	310	545	135	122	100	M 20	490	391000	424500	2607	2739	462000	499500
20SDS360	360	300	320	555	135	122	100	M 20	490	375000	438000	2500	2738	443500	516000
20SDS380	380	320	330	585	149	136	112	M 20	490	454500	491000	2841	2976	537500	579500
20SDS390	390	330	350	595	149	136	112	M 20	490	528000	610500	3200	3489	624000	718500
20SDS400	400	340	360	615	149	136	112	M 20	490	577000	663000	3394	3683	681000	780000
20SDS420	420	350	370	630	157	144	120	M 20	490	603000	692000	3446	3741	714000	815000
20SDS440	440	370	390	660	157	144	120	M 20	490	709000	806000	3832	4133	837000	948000
20SDS460	460	390	410	685	171	158	132	M 20	490	886000	995000	4544	4854	1045000	1170000
20SDS480	480	410	425	715	171	158	132	M 20	490	935000	1021000	4561	4805	1104000	1202000
20SDS500	500	425	440	750	171	158	132	M 20	490	1035000	1126000	4871	5118	1221000	1325000

light duty

External clamping excellent concentricity

Fit Tolerance

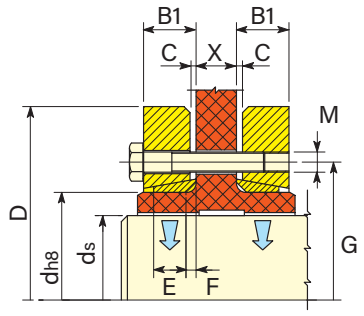
ds from	ds to	ISO	max clearance
18	30	H 6 / j 6	0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SDS-SPLIT
Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 µm ≤ Ra ≤ 3.2 µm** (good finishing on lathe).

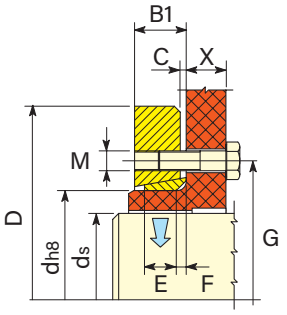
CONEX SDS-SPLIT-half TH
CONEX SDS-SPLIT-half PH
The transmissible torque is reduced up to 50%.

Example of part number construction of SPLIT-half version:
20SDS125TH.HSPLIT
20SDS125PH.HSPLIT

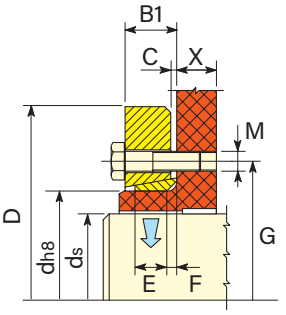
CONEX SDS-SPLIT



CONEX SDS-SPLIT-half TH



CONEX SDS-SPLIT-half PH



CONEX SDS-SPLIT

Part number	d mm	ds mm		D mm	B1 mm	C mm	E mm	F mm	G mm	Screws n°	M mm	T_s Nm	T Nm		F kN		T max. Nm	
20SDS125.SPLIT	125	95	105	185	30,5	8,5	19,5	5	158	8	M 10	59	10000	14150	211	270	12100	16750
20SDS140.SPLIT	140	110	125	220	31	9	20	5	175	9	M 10	59	14550	21500	265	344	17400	25200
20SDS155.SPLIT	155	130	140	245	30,5	8,5	19,5	5	192	11	M 10	59	24550	30600	378	437	28950	35750
20SDS165.SPLIT	165	135	145	260	36	10	23	5	210	10	M 12	100	32000	39400	474	543	38200	46600
20SDS175.SPLIT	175	145	155	275	36	10	23	5	220	11	M 12	100	39200	47300	541	610	46700	55900
20SDS185.SPLIT	185	155	165	295	36	10	23	5	225	12	M 12	100	47100	55900	608	678	55900	65900
20SDS195.SPLIT	195	165	175	315	41	10	28	5	237	15	M 12	100	64200	75100	778	858	76000	88500
20SDS200.SPLIT	200	175	185	330	41	10	28	5	242	16	M 12	100	77200	88600	882	958	91100	104100
20SDS220.SPLIT	220	180	200	345	47	11	33	5	265	10	M 16	250	85100	111600	946	1116	101500	131800
20SDS240.SPLIT	240	200	215	370	47	11	33	5	290	12	M 16	250	117500	141900	1175	1320	139700	167600
20SDS260.SPLIT	260	220	235	395	52,5	12,5	36	6,5	310	14	M 16	250	155600	184000	1415	1566	184500	217000
20SDS280.SPLIT	280	230	250	425	59,5	13,5	43	6,5	333	16	M 16	250	177100	219600	1540	1757	210700	259200
20SDS300.SPLIT	300	250	270	460	59,5	13,5	43	6,5	358	18	M 16	250	223500	270000	1788	2000	265500	318500
20SDS320.SPLIT	320	270	290	495	60,5	12,5	43	6,5	378	20	M 16	250	273000	327000	2022	2255	324000	385000
20SDS340.SPLIT	340	290	305	535	60,5	12,5	43	6,5	402	21	M 16	250	314000	356000	2166	2334	371500	420000
20SDS350.SPLIT	350	300	310	545	71	17	53,5	6,5	413	16	M20	490	391000	424500	2607	2739	462000	499500
20SDS360.SPLIT	360	300	320	555	71	17	53,5	6,5	423	16	M20	490	375000	438000	2500	2738	443500	516000
20SDS380.SPLIT	380	320	330	585	75,5	15,5	57	6,5	442	18	M20	490	454500	491000	2841	2976	537500	579500
20SDS390.SPLIT	390	330	350	595	78	18	57,5	8,5	452	20	M20	490	528000	610500	3200	3489	624000	718500
20SDS400.SPLIT	400	340	360	615	78	18	57,5	8,5	462	21	M20	490	577000	663000	3394	3683	681000	780000
20SDS420.SPLIT	420	350	370	630	82	18	61,5	8,5	485	22	M20	490	603000	692000	3446	3741	714000	815000
20SDS440.SPLIT	440	370	390	660	82	18	61,5	8,5	505	24	M20	490	709000	806000	3832	4133	837000	948000
20SDS460.SPLIT	460	390	410	685	91,5	20,5	68,5	10	527	28	M20	490	886000	995000	4544	4854	1045000	1170000
20SDS480.SPLIT	480	410	425	715	91,5	20,5	68,5	10	547	28	M20	490	935000	1021000	4561	4805	1104000	1202000
20SDS500.SPLIT	500	425	440	750	91,5	20,5	68,5	10	567	30	M20	490	1035000	1126000	4871	5118	1221000	1325000

Web clearance holes [mm]

screw size	M5	M6	M8	M10	M12	M16	M20	M24	M27
SPLIT shrink disc	7	8	10	13	15	19	23	27	30
SPLIT-half TH shrink disc	6	7	9	11	13	18	22	26	30

L - screw length calculation * [mm]

SPLIT	L= B1 + X + C + 1.5*M
SPLIT Half TH	L= X + C + 1.5*M
SPLIT Half PH	L= B1 + 1.5*M

* round up to the nearest commercial screw length

standard duty

External clamping excellent concentricity

Fit Tolerance

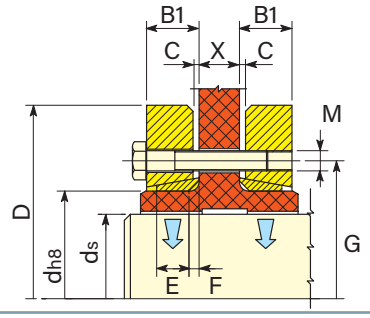
ds from	ds to	ISO	max clearance
18	30	H 6 / j 6	0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SD-SPLIT
Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 µm ≤ Ra ≤ 3.2 µm** (good finishing on lathe).

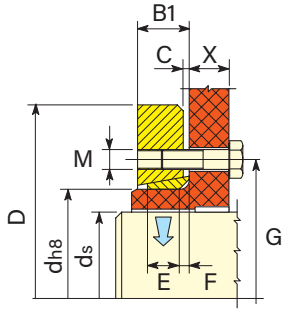
CONEX SD-SPLIT-half TH
CONEX SD-SPLIT-half PH
The transmissible torque is reduced up to 50%.

Example of part number construction of SPLIT-half version:
20SD125TH.HSPLIT
20SD125PH.HSPLIT

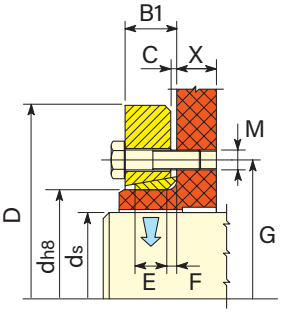
CONEX SD-SPLIT



CONEX SD-SPLIT-half TH



CONEX SD-SPLIT-half PH



CONEX SD-SPLIT

Part number	d	ds		D	B1	C	E	F	G	Screws	M	T_s	T		F		T max.	
	mm	mm		mm	mm	mm	mm	mm	mm	n°	mm	Nm	Nm		kN		Nm	
20SD024.SPLIT	24	19	21	50	12	4,1	7	2,5	36	6	M 5	5	240	310	25	30	310	400
20SD030.SPLIT	30	24	26	60	13	4,5	8	2,5	44	6	M 5	6	370	460	31	35	480	590
20SD036.SPLIT	36	28	31	72	14	4,5	9	2,5	52	5	M 6	12	570	690	41	45	750	910
20SD044.SPLIT	44	32	36	80	15	4,5	10	2,5	61	7	M 6	12	780	1120	49	62	1180	1660
20SD050.SPLIT	50	38	42	90	16	4,5	11	2,5	70	8	M 6	12,5	1230	1650	65	79	1840	2430
20SD055.SPLIT	55	42	48	100	17,5	4,5	11,5	2,5	75	8	M 6	12	1300	1900	62	79	1950	2800
20SD062.SPLIT	62	48	52	110	17,5	4,5	11,5	2,5	86	10	M 6	12	2000	2350	83	90	2950	3450
20SD062PLUS.SPLIT	62	48	52	110	17,5	4,5	11,5	2,5	86	12	M6	12	2450	2900	102	112	3600	4250
20SD068.SPLIT	68	50	60	115	17,5	4,5	11,5	2,5	86	10	M6	12	1850	3000	74	100	2800	4400
20SD075.SPLIT	75	55	65	138	19,5	6	13	3	100	7	M8	30	2500	4250	91	131	3850	6250
20SD080.SPLIT	80	60	70	145	21	7	12,5	5	100	7	M8	30	2900	4650	97	133	4350	6850
20SD085.SPLIT	85	65	75	155	24,5	7,5	15	5	114	10	M8	31	5400	8100	166	216	7650	11200
20SD090.SPLIT	90	65	75	155	24	7	15	5	114	10	M8	30	4900	7450	151	199	6600	9800
20SD100.SPLIT	100	70	80	170	27	8	17	5	124	12	M8	30	6150	9150	176	229	8150	11800
20SD110.SPLIT	110	75	90	185	30	8	19,5	5	136	9	M10	61	7900	12650	211	281	10350	16250
20SD125.SPLIT	125	85	100	215	31	8	21	5	160	12	M10	59	11150	18600	262	372	14150	22950
20SD140.SPLIT	140	95	115	230	35	9	23	5	175	10	M12	100	15150	27000	319	470	19400	33500
20SD155.SPLIT	155	105	125	265	37	9	25	5	192	12	M12	100	20650	33850	393	542	26350	42150
20SD165.SPLIT	165	115	135	290	40,5	9,5	28	5	210	8	M16	250	33200	50900	577	754	40400	60700
20SD175.SPLIT	175	125	140	300	40,5	9,5	28	5	220	8	M16	250	36500	50600	584	723	44400	60600
20SD185.SPLIT	185	135	150	330	48	10	35,5	5	236	10	M16	250	51800	69700	767	929	62700	83200
20SD195.SPLIT	195	140	160	350	48	10	35,5	5	246	12	M16	250	64900	92700	927	1159	78300	110200
20SD200.SPLIT	200	150	165	350	48	10	35,5	5	246	12	M16	250	74900	96400	999	1168	89900	114600
20SD220.SPLIT	220	160	180	370	59,5	12,5	44	7,5	270	15	M16	250	95400	130200	1193	1447	114800	154700
20SD240.SPLIT	240	170	195	405	62	13	46	7,5	295	12	M20	490	125100	175400	1472	1799	149900	208000
20SD260.SPLIT	260	190	210	430	67,5	14,5	51,5	7,5	321	14	M20	490	169400	219300	1783	2089	202700	260100
20SD280.SPLIT	280	210	230	460	76,5	16,5	57	8,5	346	16	M20	490	224400	282600	2137	2457	267600	334400
20SD300.SPLIT	300	230	245	485	79,5	15,5	61	8,5	364	18	M20	490	288000	337000	2504	2751	342500	399000
20SD320.SPLIT	320	240	260	520	79,5	15,5	61	8,5	386	20	M20	490	326000	393500	2717	3027	388000	466000
20SD340.SPLIT	340	250	275	570	86,5	15,5	67	8,5	408	24	M20	490	400500	500500	3204	3640	476000	592000
20SD350.SPLIT	350	270	285	580	89,5	16,5	70	8,5	432	24	M20	490	456500	522000	3381	3663	542000	617500
20SD360.SPLIT	360	280	300	590	89,5	16,5	70	8,5	432	24	M20	490	479000	568000	3421	3787	568500	671000
20SD380.SPLIT	380	290	310	645	92,5	16,5	72	8,5	458	20	M24	840	584000	686500	4028	4429	695000	813000
20SD390.SPLIT	390	300	320	660	92,5	16,5	72	8,5	468	21	M24	840	644000	747500	4293	4672	765500	885500
20SD400.SPLIT	400	315	330	680	92,5	16,5	72	8,5	480	21	M24	840	699000	776000	4438	4703	829000	919000
20SD420.SPLIT	420	330	350	690	106,5	20,5	84,5	10	504	24	M24	840	829000	956000	5024	5463	985000	1131000
20SD440.SPLIT	440	340	360	750	108,5	17,5	88,5	10	527	24	M24	840	828000	953000	4871	5294	986000	1130000
20SD460.SPLIT	460	360	380	770	113,5	16	91	10	547	28	M24	840	1056000	1201000	5867	6321	1253000	1421000
20SD480.SPLIT	480	380	400	800	119	23	96,5	10	570	30	M24	840	1215000	1372000	6395	6860	1440000	1622000
20SD500.SPLIT	500	400	420	850	119	29,2	96,5	10	590	24	M27	1250	1386000	1546000	6930	7362	1642000	1828000

heavy duty

External clamping excellent concentricity

Fit Tolerance

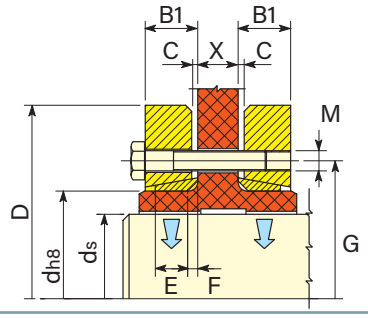
ds from	ds to	ISO	max clearance
18	30	H 6 / j 6	0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069
120	180		0,079
180	250		0,090
250	315		0,101
315	400		0,111
400	500		0,123

CONEX SDL-SPLIT
Surface roughness on the pressure surfaces of the shaft and the hub should be **0.8 µm ≤ Ra ≤ 3.2 µm** (good finishing on lathe).

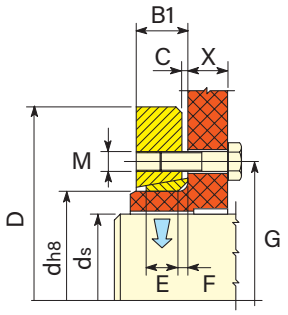
CONEX SDL-SPLIT-half TH
CONEX SDL-SPLIT-half PH
The transmissible torque is reduced up to 50%.

Example of part number construction of SPLIT-half version:
20SDL125TH.HSPLIT
20SDL125PH.HSPLIT

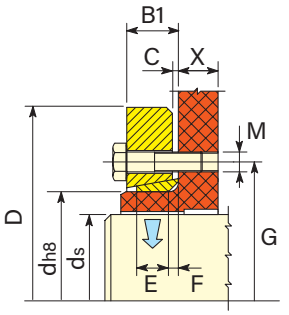
CONEX SDL-SPLIT



CONEX SDL-SPLIT-half TH



CONEX SDL-SPLIT-half PH



CONEX SDL-SPLIT

Part number	d mm	ds mm		D mm	B1 mm	C mm	E mm	F mm	G mm	Screws n°	M mm	T_s Nm	T Nm		F kN		T max. Nm	
20SDL050.SPLIT	50	38	42	95	23	6	15,5	3	73	7	M 8	30	2100	2750	111	131	3050	3950
20SDL055.SPLIT	55	42	48	105	23	6	15,5	3	78	7	M 8	30	2350	3350	112	140	3400	4800
20SDL062.SPLIT	62	48	52	115	23	6	15,5	3	85	7	M 8	30	3050	3600	127	138	3950	4650
20SDL075.SPLIT	75	55	65	145	27	7	18	4	105	7	M 10	59	4900	7850	178	242	6350	10000
20SDL080.SPLIT	80	60	70	145	27	7	18	4	105	7	M 10	59	6050	9350	202	267	7200	10950
20SDL090.SPLIT	90	65	75	160	29	7	20	4	116	8	M 10	59	6950	10550	214	281	8350	12350
20SDL100.SPLIT	100	70	80	170	32	9	23	4	126	10	M 10	59	9100	13300	260	333	10900	15650
20SDL110.SPLIT	110	75	90	185	35	9	25	5	138	12	M 10	59	11300	17900	301	398	13600	21150
20SDL125.SPLIT	125	85	100	215	37,5	9,5	27,5	5	160	10	M 12	100	13650	22850	321	457	16950	27400
20SDL140.SPLIT	140	90	115	230	42	10	30	5	175	12	M 12	100	15750	33650	350	585	19700	40050
20SDL155.SPLIT	155	105	125	265	45	10	33	5	198	15	M 12	100	27200	44100	518	706	33250	52700
20SDL165.SPLIT	165	115	135	290	49	11	36	5	210	10	M 16	250	42000	63800	730	945	50900	76000
20SDL175.SPLIT	175	125	140	300	49	11	36	5	220	10	M 16	250	46100	63500	738	907	56000	76000
20SDL185.SPLIT	185	135	150	330	61	11	46	5	236	14	M 16	250	74700	99000	1107	1320	90000	117900
20SDL195.SPLIT	195	140	160	350	63,5	13,5	48,5	5	246	14	M 16	250	75100	107500	1073	1344	90700	128000
20SDL200.SPLIT	200	150	165	350	63,5	13,5	48,5	5	246	15	M 16	250	94000	120600	1253	1462	112700	143300
20SDL220.SPLIT	220	160	180	370	74,5	14,5	58	6,5	270	20	M 16	250	129100	174700	1614	1941	155000	207400
20SDL240.SPLIT	240	170	195	405	79,5	14,5	61	6,5	295	15	M20	490	157000	219300	1847	2249	188000	260100
20SDL260.SPLIT	260	190	210	430	87,5	15,5	63	6,5	321	18	M20	490	219000	282600	2305	2691	261900	335000
20SDL280.SPLIT	280	210	230	460	96	18	75,5	8,5	346	21	M20	490	297100	372400	2830	3238	353800	440500
20SDL300.SPLIT	300	230	250	485	98	18	77,5	8,5	364	22	M20	490	353000	433500	3070	3468	419500	512000
20SDL320.SPLIT	320	240	260	520	102	20	81,5	8,5	386	24	M20	490	390000	471000	3250	3623	464500	558000
20SDL340.SPLIT	340	250	275	570	110	18	89	9	420	21	M24	840	502500	627000	4020	4560	599500	744000
20SDL350.SPLIT	350	270	290	580	110	18	89,5	8,5	425	21	M24	840	574500	684000	4256	4717	684000	810500
20SDL360.SPLIT	360	280	300	590	114,5	22,5	92,5	10	432	22	M24	840	633500	748500	4525	4990	753000	886500
20SDL380.SPLIT	380	290	310	645	114,5	22,5	92,5	10	458	22	M24	840	637500	750500	4397	4842	759000	889500
20SDL390.SPLIT	390	300	320	660	118,5	22,5	96,5	10	468	24	M24	840	731000	849000	4873	5306	869500	1006500
20SDL400.SPLIT	400	310	330	680	118,5	22,5	96,5	10	480	24	M24	840	763000	882000	4923	5345	907000	1045000
20SDL420.SPLIT	420	330	350	690	131,5	20,5	109,5	10	504	30	M24	840	1037000	1194000	6285	6823	1232000	1413000
20SDL440.SPLIT	440	340	360	750	138,5	23,5	114,5	10	527	24	M 27	1250	1112000	1276000	6541	7089	1322000	1512000
20SDL460.SPLIT	460	360	380	770	141	26	114,5	12,5	547	28	M 27	1250	1415000	1606000	7861	8453	1678000	1900000
20SDL480.SPLIT	480	380	400	800	152	24	125,5	12,5	580	30	M 27	1250	1623000	1831000	8542	9155	1925000	2165000
20SDL500.SPLIT	500	400	420	850	152	24	125,5	12,5	600	32	M 27	1250	1856000	2067000	9280	9843	2198000	2445000

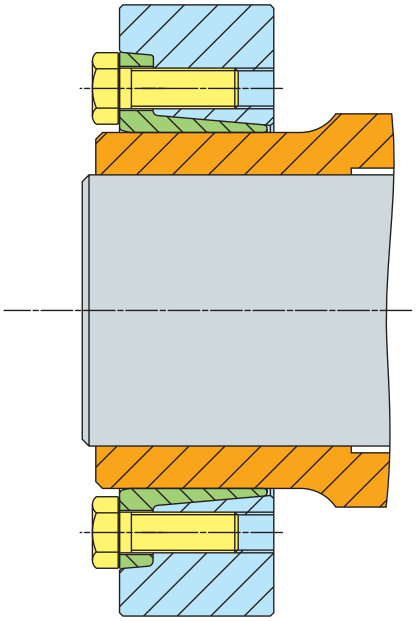
No need of torque wrench!

Patented

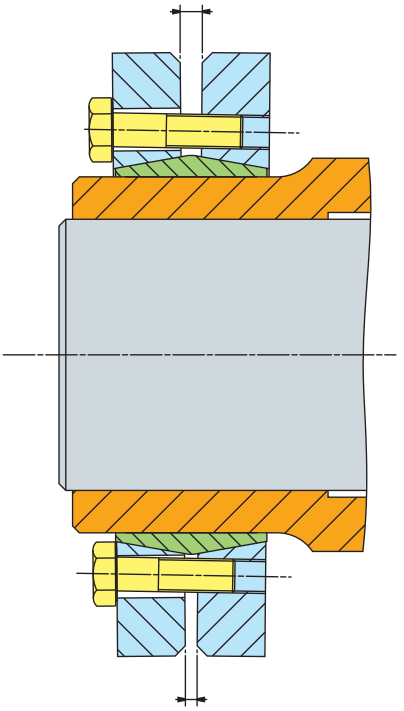
The advantages of the Conex SA-SB system compared to Conex SD

- No need of a torque wrench: tighten the screws in clockwise sequence in different stages until the front faces of the flange and of the outer ring are aligned. This allows the transmission of the torque values stated on the catalogue charts. According to marketing researches, 85% of assembled clamping elements has not been tightened using a torque wrench. Moreover following to tests, even the best trained fitters tighten the screws at 30% lower torque compared to the catalogue value Ts. As a consequence, 85% of the assembled clamping elements transmit 30% lower torque than the catalogue data.
  Conex SA-SB are the perfect solution to the problem by replacing torque setting that requires precision, with position setting that only needs the alignment of two surfaces. Moreover the interchangeability with the traditional types is guaranteed.
- Saving up to 80% of mounting time if using a powered screwdriver.
- Improved and higher transmissible torque thanks to larger screw sizes.
- At first the tighter geometrical manufacturing tolerances assure a higher degree of balancing and also the "single block fitting" by aligning the two flanges (flush mounted) automatically guarantees the parallel setting and this will further postpone the need of dynamic balancing.

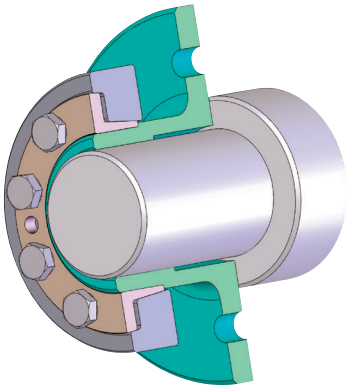
Conex SA-SB:
the two flanges create a single block and guarantee the perfect parallel setting after the screw tightening

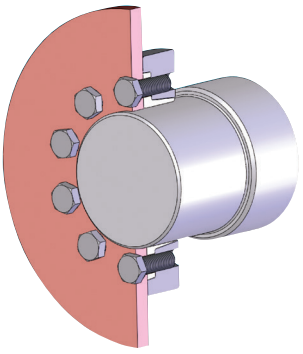


Traditional Conex SD:
fitting the two flanges does not guarantee their parallel setting

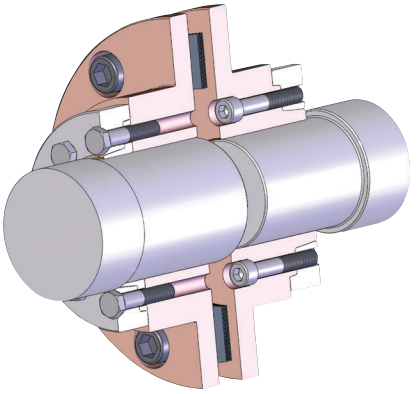


Application examples



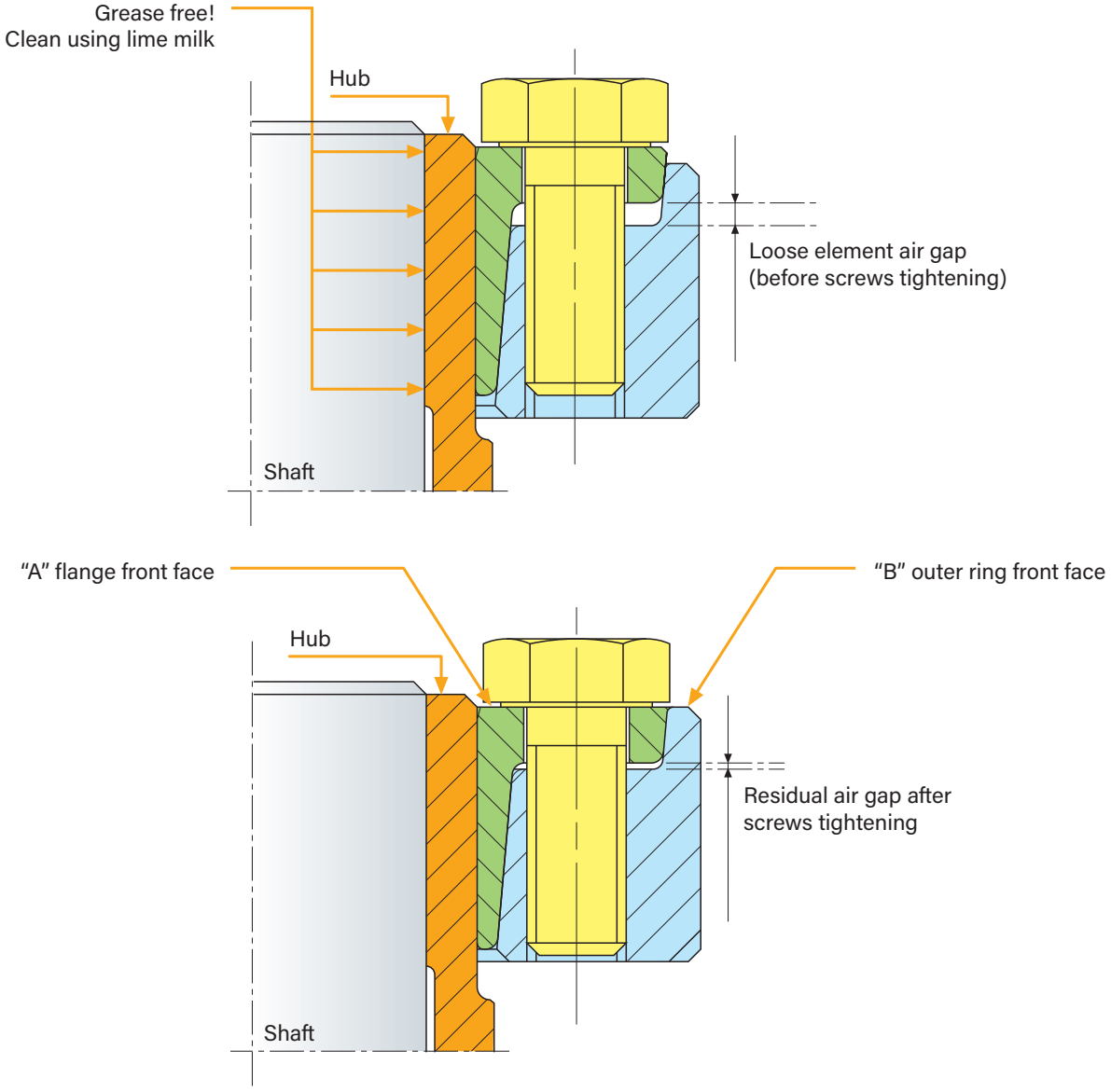


Special application for brake discs, flywheels, chainwheels, levers, drums.



Special application for couplings.

No need of a torque wrench! Tighten the screws and align the 2 faces “A” and “B”, then the catalogue torque values can be transmitted.



Conical surfaces and screws are lubricated with grease containing high pressure additives (M_oS_2).

CONEX SA

Part number	d mm	ds mm		D mm	B mm	L mm	I mm	H mm	M mm	Ts Nm	T Nm		F kN	
2SA016Z	16	13	14	41	15,5	19,5	12,5	1,5	M 6	13	70	90	11	13
2SA018Z	18	15	16	44	15,5	19,5	12,5	1,5	M 6	13	80	110	11	14
2SA020Z	20	17	18	47	15,5	19,5	12,5	1,5	M 6	13	150	180	18	20
2SA024Z	24	19	22	50	18	22	15	2	M 6	13	165	295	17	27
2SA026Z	26	20	24	51,5	18	22	15	2	M 6	13	230	350	23	29
2SA030Z	30	24	26	60	20	24	17	2	M 6	13	370	470	31	36
2SA036Z	36	27	33	72	22	27,5	19	2	M 8	30	480	860	36	52
2SA038Z	38													
2SA040Z	40	34		80	24	29,5	20,5	2	M 8	30	880		52	
2SA044Z	44	35	37	80	24	29,5	20,5	2	M 8	30	810	960	46	52
2SA050Z	50	38	42	90	26	31,5	22	2,5	M 8	30	1150	1520	61	72
2SA055Z	55	42	48	100	29	34,5	24,5	3	M 8	30	1300	1900	62	79
2SA060Z	60	48	52	110	29	34,5	24,5	3	M 8	30	1700	2160	71	83
2SA062Z	62													
2SA068Z	68	50	60	115	29,5	35	24,5	3,5	M 8	30	1900	3150	76	105
2SA075Z	75	55	65	138	31	37,5	25	4	M 10	60	2700	4100	105	132
2SA080Z	80	60	70	141	31	37,5	25	4	M 10	60	3300	4950	110	141
2SA085Z	85	65	75	155	38	44,5	31,5	4	M 10	60	5500	7900	169	211
2SA090Z	90													
2SA095Z	95	70	80	170	43,5	50	36,5	4,5	M 10	60	6200	8600	186	215
2SA100Z	100													
2SA105Z	105	80	90	185	49	56,5	40,5	5,5	M 12	100	10500	13700	263	304
2SA110Z	110													
2SA115Z	115	85	95	197	53	60,5	45	5	M 12	100	12500	16000	294	337
2SA120Z	120													
2SA125Z	125	90	100	215	53,5	61	45	5,5	M 12	100	14500	18800	322	376
2SA130X215Z	130	95	110	215	53,5	61	45	5,5	M 12	100	17000	22000	358	400
2SA130Z	130	95	110	230	57,5	66,5	47	6,5	M 14	160	18400	26200	387	476
2SA135Z	135													
2SA140Z	140	100	115	230	58	67	47	7	M 14	160	19900	27800	398	483
2SA150Z	150	110	125	263	62	71	51	7,5	M 14	160	27000	36200	491	579
2SA155Z	155													
2SA160Z	160	120	135	290	68,5	78,5	56	7,5	M 16	250	39000	51000	650	756
2SA165Z	165													
2SA170Z	170	130	145	300	69	79	56	8	M 16	250	46500	59000	715	814
2SA175Z	175													
2SA180Z	180	140	155	320	85	95	71,5	7,5	M 16	250	66000	83000	943	1071
2SA185Z	185													
2SA190Z	190	150	165	340	88	98	71,5	10	M 16	250	82000	102000	1093	1236
2SA195Z	195													
2SA200Z	200													
2SA220Z	220	160	180	370	107,5	120	88	11	M 20	480	105000	138000	1313	1533
2SA240Z	240	170	200	405	111	123,5	92	13	M 20	480	125000	182000	1471	1820
2SA260Z	260	190	220	430	125,5	138	103	15	M 20	480	165000	238000	1737	2164
2SA280Z	280	210	240	460	140	152,5	114	19	M 20	480	220000	300000	2095	2500
2SA300Z	300	220	250	485	140	159	122	16	M 24	840	297000	399000	2700	3192
2SA320Z	320	240	270	520	141,5	160,5	122	18	M 24	840	331000	437000	2758	3237
2SA340Z	340	250	280	570	158,5	177,5	137	19	M 24	840	429000	556000	3432	3971
2SA360Z	360	270	290	590	163	182	140	20	M 24	840	545000	694000	4037	4786
2SA390Z	390	290	320	650	169	191	144	21	M 27	1250	704000	879000	4855	5494
2SA420Z	420	320	350	670	186	208	162	20	M 27	1250	827000	1000000	5169	5714
2SA440Z	440	340	370	710	198	220	173	19	M 27	1250	1117000	1345000	6571	7270
2SA460X760Z	460	360	390	750	201	218	173	22	M 27	1250	1306000	1554000	7256	7969
2SA470RINZ	470	370	400	705	220	241,5	197	20	M 27	1250	950000	1150000	5135	5750
2SA480Z	480	380	410	770	223	247	198	22	M 30	1650	1557000	1818000	8195	8868
2SA500X820Z	500	400	430	820	217	241	195	19	M 30	1650	1653000	1915000	8265	8907
2SA530Z	530	430	460	850	238	262	213	22	M 30	1650	2048000	2374000	9526	10322
2SA560X885Z	560	450	480	885	242	266	217	22	M 30	1650	2306000	2654000	10249	11058
2SA590Z	590	470	500	950	257,5	281,5	232	21,5	M 30	1650	2735000	3128000	11638	12512
2SA620Z	620	500	540	960	283	307	254	25	M 30	1650	3150000	3689000	12600	13663
2SA660Z	660	530	570	1020	293	319	261	26	M 33	2250	3636000	4261000	13721	14951
2SA700Z	700	560	600	1085	292,5	318,5	257	29,5	M 33	2250	4189000	4863000	14961	16210
2SA750Z	750	600	650	1100	320	346	277	40	M 33	2250	5281000	6287000	17603	19345
2SA800Z	800	640	700	1230	333	359	290	37	M 33	2250	6091000	7394000	19034	21126

T (Nm)
F (kN) = Transmissible peak torque or axial force with tightening torque Ts

= Need of a torque wrench

Ts (Nm) = Screws tightening torque

CONEX SB

Part number	d	ds		D	B	L	I	H	M	Ts	T		F	
	mm	mm		mm	mm	mm	mm	mm	mm	Nm	Nm		kN	
2SB050Z	50	38	42	90	26	31,5	22	2,5	M 8	34	1600	2000	84	95
2SB055Z	55	42	48	100	29	34,5	24,5	3	M 8	34	1700	2500	81	104
2SB060Z	60	48	52	110	29	34,5	24,5	3	M 8	34	2300	2900	96	112
2SB062Z	62													
2SB068Z	68	50	60	115	29,5	35	24,5	3,5	M 8	34	2400	4000	96	133
2SB075Z	75	55	65	138	31	37,5	25	4	M 10	70	3800	6000	138	185
2SB080Z	80	60	70	141	31	37,5	25	4	M 10	70	4300	6500	143	186
2SB085Z	85	65	75	155	38	44,5	31,5	4	M 10	70	6000	8600	185	229
2SB090Z	90													
2SB095Z	95	70	80	170	43,5	50	36,5	4,5	M 10	70	7500	10600	214	265
2SB100Z	100													
2SB105Z	105	80	90	185	49	56,5	40,5	5,5	M 12	120	12800	17000	320	378
2SB110Z	110													
2SB115Z	115	85	95	197	53	60,5	45	5	M 12	120	13700	18200	322	383
2SB120Z	120													
2SB125Z	125	90	100	215	53,5	61	45	5,5	M 12	120	16600	21500	369	430
2SB130X215Z	130	95	110	215	53,5	61	45	5,5	M 12	120	18300	25000	385	455
2SB130Z	130	95	110	230	57,5	66,5	47	6,5	M 14	190	20500	29500	432	536
2SB135Z	135													
2SB140Z	140	100	115	230	58	67	47	7	M 14	190	23500	32500	470	565
2SB150Z	150	110	125	263	62	71	51	7,5	M 14	190	31500	43000	573	688
2SB155Z	155													
2SB160Z	160	120	135	290	68,5	78,5	56	7,5	M 16	290	45000	59000	750	874
2SB165Z	165													
2SB170Z	170	130	145	300	69	79	56	8	M 16	290	55000	71000	846	979
2SB175Z	175													
2SB180Z	180	140	155	320	85	95	71,5	7,5	M 16	290	81000	101000	1157	1303
2SB185Z	185													
2SB190Z	190	150	165	340	88	98	71,5	10	M 16	290	97000	120000	1293	1455
2SB195Z	195													
2SB200Z	200													
2SB220Z	220	160	180	370	107,5	120	88	11	M 20	570	130000	170000	1625	1889
2SB240Z	240	170	200	405	111	123,5	92	13	M 20	570	152000	219000	1788	2190
2SB260Z	260	190	220	430	125,5	138	103	15	M 20	570	215000	300000	2263	2727
2SB280Z	280	210	240	460	140	152,5	114	19	M 20	570	282000	380000	2686	3167
2SB300Z	300	220	250	485	140	159	122	16	M 24	990	365000	487000	3318	3896
2SB320Z	320	240	270	520	141,5	160,5	122	18	M 24	990	444000	580000	3700	4296
2SB340Z	340	250	280	570	158,5	177,5	137	19	M 24	990	536000	693000	4288	4950
2SB360Z	360	270	290	590	163	182	140	20	M 24	990	687000	830000	5089	5724
2SB390Z	390	290	320	650	169	191	144	21	M 27	1480	859000	1068000	5924	6675
2SB420Z	420	320	350	670	186	208	162	20	M 27	1480	1065000	1301000	6656	7434
2SB440Z	440	340	370	725	200	222	173	21	M 27	1480	1319000	1584000	7759	8562
2SB460X760Z	460	360	390	760	203	220	173	24	M 27	1480	1491000	1771000	8283	9082
2SB470Z	470	370	400	705	220	241,5	197	20	M 27	1480	1100000	1400000	5946	7000
2SB480X790Z	480	380	410	790	225	249	198	24	M 30	1980	1815000	2118000	9553	10332
2SB500X835Z	500	400	430	835	220	244	195	22	M 30	1980	2054000	2377000	10270	11056
2SB530Z	530	430	460	870	242,5	266,5	213	26,5	M 30	1980	2611000	3019000	12144	13126
2SB560X920Z	560	450	480	920	244,5	268,5	217	24,5	M 30	1980	2814000	3231000	12507	13463
2SB590Z	590	470	500	960	260	284	232	24	M 30	1980	3190000	3642000	13574	14568
2SB620Z	620	500	540	970	286	310	254	28	M 30	1980	3700000	4330000	14800	16037
2SB660Z	660	530	570	1050	296	322	261	29	M 33	2650	4395000	5139000	16585	18032

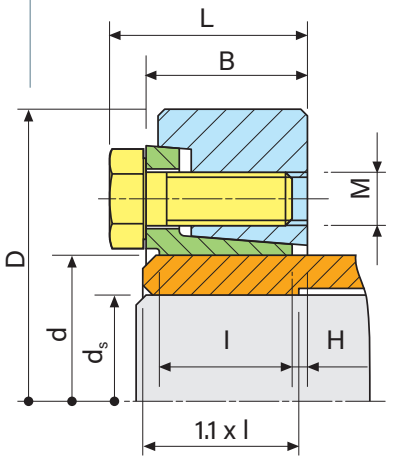
Technical data

Fit tolerance	
d	H7 - f7
$d_s \leq$ ø160	H7 - h6
ds > ø160	H7 - g6

Surface roughness on the pressure surfaces of the shaft and the hub should be

0.8 μm ≤ Ra ≤ 3.2 μm
(good finishing on lathe)

CONEX SA - SB



CONEX SAL

Part number	d mm	ds mm		D mm	B mm	L mm	I mm	H mm	M mm	Ts Nm	T Nm		F kN	
2SAL185Z	185	140	155	320	112,5	125	97	9,5	M 20	480	101000	127000	1443	1639
2SAL200Z	200	150	165	340	111,5	124	93	12,5	M 20	480	108000	34000	1440	1624
2SAL220Z	220	160	180	370	132,5	145	116	10,5	M 20	480	138000	183000	1725	2033
2SAL240Z	240	170	200	405	142,2	154,7	123	13,2	M 20	480	173000	248000	2035	2480
2SAL260Z	260	190	220	430	163,8	176,3	143	14,8	M 20	480	249000	347000	2621	3155
2SAL280Z	280	210	240	460	172,2	191,2	151	14,2	M 24	840	331000	448000	3152	3733
2SAL300Z	300	230	250	485	175	194	153	16	M 24	840	382000	461000	3322	3688
2SAL320Z	320	240	270	520	184,6	203,6	160	18,6	M 24	840	445000	574000	3708	4252
2SAL340Z	340	250	280	570	204,6	226,6	180	18,6	M 27	1250	575000	739000	4600	5279
2SAL360Z	360	270	300	590	212,2	234,2	187	18,2	M 27	1250	681000	863000	5044	5753
2SAL390Z	390	290	320	650	220,5	242,5	194	20,5	M 27	1250	871000	1075000	6007	6719
2SAL420X670Z	420	320	350	670	246,4	268,4	217	23,4	M 27	1250	1052000	1281000	6575	7320

CONEX SBL

Part number	d mm	ds mm		D mm	B mm	L mm	I mm	H mm	M mm	Ts Nm	T Nm		F kN	
2SBL185Z	185	140	155	320	112,5	125	97	9,5	M 20	570	119000	150000	1700	1935
2SBL200Z	200	150	165	340	111,5	124	93	12,5	M 20	570	129000	160000	1720	1939
2SBL220Z	220	160	180	370	132,5	145	116	10,5	M 20	570	165000	218000	2063	2422
2SBL240Z	240	170	200	405	142,2	154,7	123	13,2	M 20	570	212000	303000	2494	3030
2SBL260Z	260	190	220	430	163,8	176,3	143	14,8	M 20	570	293000	409000	3084	3718
2SBL280Z	280	210	240	460	172,2	191,2	151	14,2	M 24	990	390000	528000	3714	4400
2SBL300Z	300	230	250	485	175	194	153	16	M 24	990	472000	570000	4104	4560
2SBL320Z	320	240	270	520	184,6	203,6	160	18,6	M 24	990	524000	676000	4367	5007
2SBL340Z	340	250	280	570	204,6	226,6	180	18,6	M 27	1480	677000	870000	5416	6214
2SBL360Z	360	270	300	590	212,2	234,2	187	18,2	M 27	1480	783000	993000	5800	6620
2SBL390Z	390	290	320	650	220,5	242,5	194	20,5	M 27	1480	1025000	1265000	7069	7906
2SBL420Z	420	320	350	680	246,4	268,4	217	23,4	M 27	1480	1315000	1602000	8219	9154

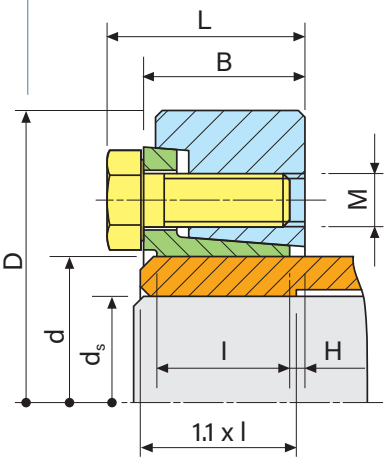
Technical data

Fit tolerance	
d	H7 - f7
$d_s \leq ø160$	H7 - h6
ds > ø160	H7 - g6

Surface roughness on the pressure surfaces of the shaft and the hub should be

0.8 µm ≤ Ra ≤ 3.2 µm
(good finishing on lathe)

CONEX SAL - SBL

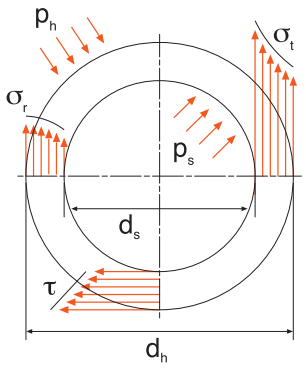


= Need of a torque wrench

HUB CALCULATION

Hub material should have a minimum yield strength ($\sigma_{0,2}$) of 350 N/mm², like steel C45.
Heat treated steel like 42CrMo4 must be used when the hub transmits significant rotating bending moments.
Larger shafts than the ones specified in the technical data can be selected if hub material permits: the correspondent larger transmissible torque can be extrapolated.

Tolerances and surface quality are specified on the drawing on the top of the technical data.
The yield point $\sigma_{0,2}$ of the selected hub material must be higher of the total (tangential + radial) stress σv on the hub.



$$\sigma_v = \sqrt{\sigma_t^2 + \sigma_r^2 - \sigma_t \cdot \sigma_r + 3\,\tau^2}$$

$$p_s = \frac{2 \cdot T \cdot 10^3}{\pi \cdot d_s^2 \cdot l \cdot \mu}$$

$$p_h = p_s + \frac{\Delta d_s \cdot E \cdot \left[1 - \left(\frac{d_s}{d_h}\right)^2\right]}{2 \cdot d_s}$$

$$\tau = \frac{16 \cdot T \cdot d_s \cdot 10^3}{\pi\,(d_h^4 - d_s^4)}$$

$$\sigma_t = \frac{p_s \cdot \left[1 + \left(\frac{d_s}{d_h}\right)^2\right] - 2p_h}{1 - \left(\frac{d_s}{d_h}\right)^2}$$

$$\sigma_r = -p_s$$

σ_v	[N/mm²]	total stress on the hub
σ_t	[N/mm²]	normal stress in the circunferential direction
τ	[N/mm²]	shear stress on the hub
σ_r	[N/mm²]	radial stress on the hub
p_s	[N/mm²]	pressure on the shaft
p_h	[N/mm²]	pressure on the hub
d_s	[mm]	shaft diameter
d_h	[mm]	hub diameter
T	[Nm]	maximum transmissible torque
μ	[ ]	friction coefficient shaft - hub
l	[mm]	axial length of the clamping element
Δd_s	[mm]	fit clearance shaft - hub
E	[N/mm²]	elasticity modulus

Special application for brake discs, flywheels, chainwheels, levers, drums.

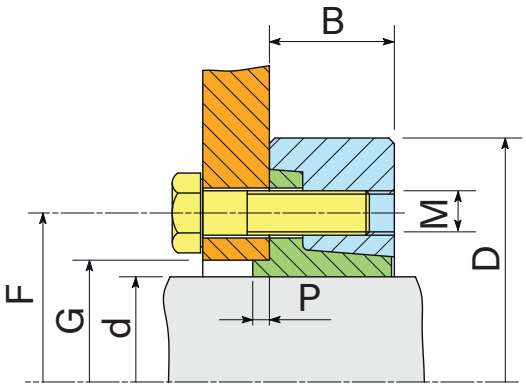
Technical data

Fit tolerance	
Disc ø G	H7
Shaft ø d	h9

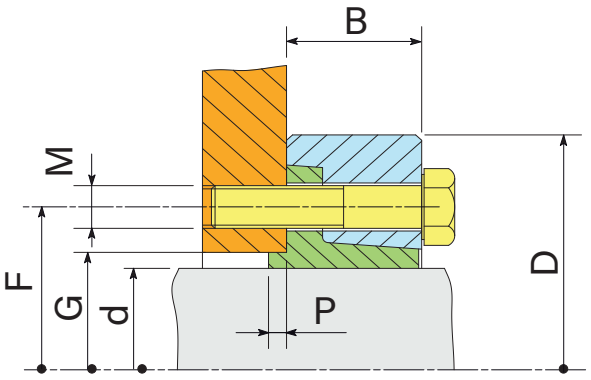
Surface roughness on the pressure surfaces of the shaft and the disc should be

0.8 μm ≤ Ra ≤ 3.2 μm
(good finishing on lathe)

CONEX SC - SE

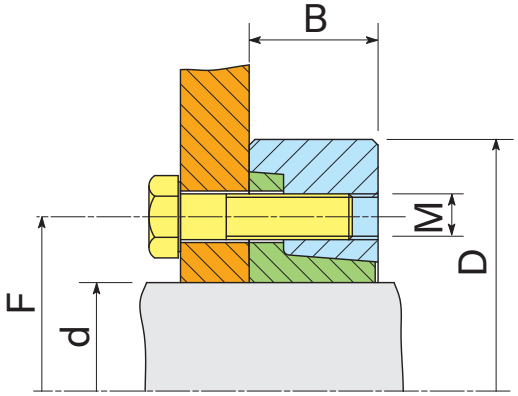


CONEX SC

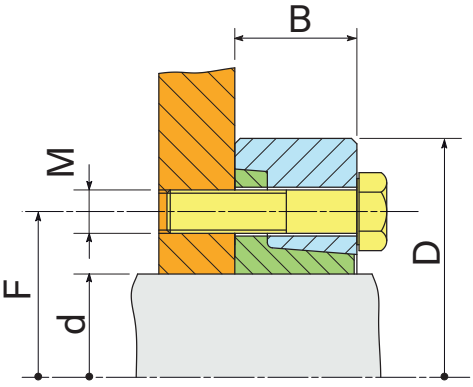


CONEX SE

CONEX SF - SG



CONEX SF



CONEX SG

Example of part number construction:
2SC040Z
2SC180Z

CONEX SC - SE - SF - SG *

Part number	d mm	D mm	B mm	F mm	G mm	P mm	Screws n°	M mm	T_s Nm	T Nm
2 _ _ 020Z	20	47	15	32	22	2	4	6x25	12	140
2 _ _ 025Z	25	50	17	36	27	2	5	6x30	12	200
2 _ _ 030Z	30	60	19	44	32	3	6	6x30	12	300
2 _ _ 035Z	35	72	20,5	52	38	3	5	8x35	30	515
2 _ _ 040Z	40	80	22,5	61	46	3	6	8x35	30	750
2 _ _ 045Z	45	90	24	68	53	3	8	8x40	30	1340
2 _ _ 050Z	50									1340
2 _ _ 055Z	55	100	27	72	58	3	8	8x40	30	1650
2 _ _ 060Z	60	110	27	80	63	3	9	8x40	30	2050
2 _ _ 065Z	65	115	27	86	74	4	9	8x40	30	2150
2 _ _ 070Z	70									2150
2 _ _ 075Z	75	138	28	100	84	4	10	10x45	59	4050
2 _ _ 080Z	80									4050
2 _ _ 085Z	85	155	35	114	94	4	12	10x50	59	5700
2 _ _ 090Z	90									5700
2 _ _ 095Z	95	170	40	124	104	4	12	12x60	100	8400
2 _ _ 100Z	100									8400
2 _ _ 105Z	105	185	45,5	136	116	5	12	12x70	100	9200
2 _ _ 110Z	110									9200
2 _ _ 115Z	115	215	49	160	126	5	12	16x75	250	20700
2 _ _ 120Z	120									21800
2 _ _ 125Z	125									21800
2 _ _ 130Z	130	230	53	172	146	5	14	16x80	250	27000
2 _ _ 135Z	135									27000
2 _ _ 140Z	140									27000
2 _ _ 145Z	145	263	57	192	166	5	15	16x80	250	32000
2 _ _ 150Z	150									32000
2 _ _ 155Z	155									32000
2 _ _ 160Z	160	290	62	204	176	5	16	16x90	250	37500
2 _ _ 165Z	165									37500
2 _ _ 170Z	170									37500
2 _ _ 175Z	175	300	62	218	186	5	18	16x90	250	44500
2 _ _ 180Z	180									44500
2 _ _ 185Z	185	320	79	232	196	5	15	20x110	490	62000
2 _ _ 190Z	190									62000
2 _ _ 195Z	195	340	79	246	206	5	16	20x110	490	69500
2 _ _ 200Z	200									69500
2 _ _ 210Z	210	370	98	270	226	5	14	24x130	840	95000
2 _ _ 220Z	220									95000
2 _ _ 230Z	230	405	101	296	246	5	16	24x140	840	119000
2 _ _ 240Z	240									119000
2 _ _ 250Z	250	430	112	318	266	5	16	24x150	840	129000
2 _ _ 260Z	260									129000
2 _ _ 270Z	270	460	126	340	286	5	18	24x160	840	154000
2 _ _ 280Z	280									154000
2 _ _ 290Z	290	485	125	360	306	5	20	24x170	840	181000
2 _ _ 300Z	300									181000
2 _ _ 320Z	320	520	125	380	330	5	20	27x170	1250	252000
2 _ _ 340Z	340	570	140,5	402	350	5	21	27x180	1250	282000
2 _ _ 360Z	360	590	144	424	370	8	21	27x180	1250	296000
2 _ _ 350Z	350	630	148	458	400	8	20	30x190	1660	366000
2 _ _ 370Z	370									366000
2 _ _ 390Z	390									366000
2 _ _ 380Z	380	650	168	490	430	8	21	30x210	1660	410000
2 _ _ 400Z	400									410000
2 _ _ 420Z	420									410000

* Supplied without screws

T (Nm) = Transmissible peak torque with tightening torque Ts
Ts (Nm) = Screws tightening torque

Special application for brake discs, flywheels, chainwheels, levers, drums.

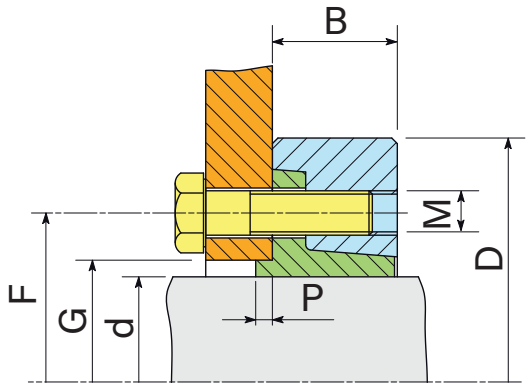
Technical data

Fit tolerance	
Disc ø G	H7
Shaft ø d	h9

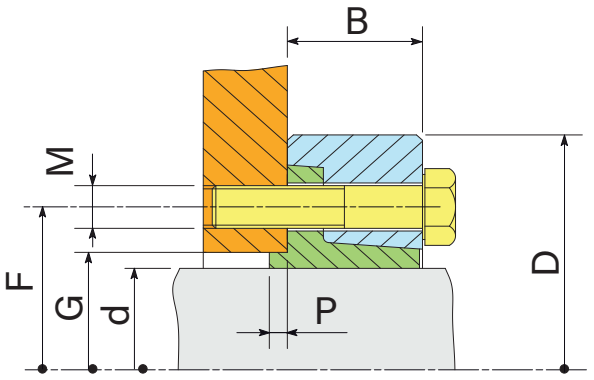
Surface roughness on the pressure surfaces of the shaft and the disc should be

0.8 μm ≤ Ra ≤ 3.2 μm
(good finishing on lathe)

CONEX SCL - SEL

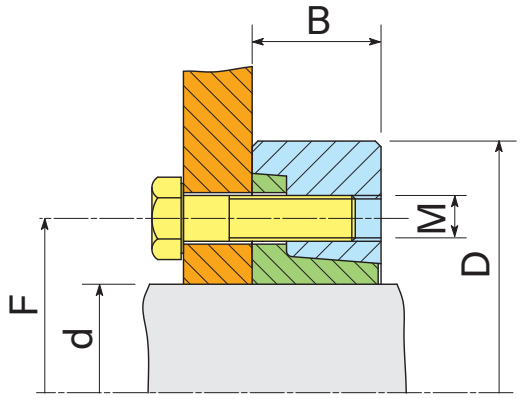


CONEX SCL

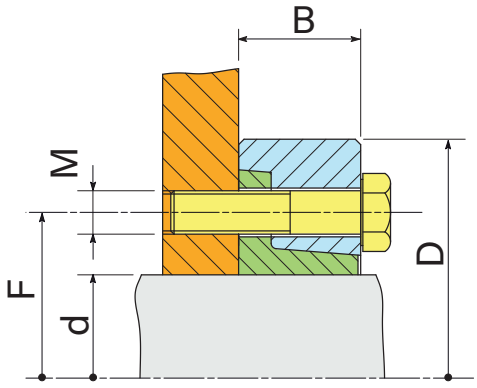


CONEX SEL

CONEX SFL - SGL



CONEX SFL



CONEX SGL

Example of part number construction:
2SCL040Z
2SCL180Z

CONEX SCL - SEL - SFL - SGL *

Part number	d mm	D mm	B mm	F mm	G mm	P mm	Screws n°	M mm	T_s Nm	T Nm
2 _ _ _ 040Z	40	115	30	84	53	3	7	M12x45	100	1400
2 _ _ _ 045Z	45									2200
2 _ _ _ 050Z	50									3300
2 _ _ _ 055Z	55	120	34	94	63	3	9	M12x50	100	3500
2 _ _ _ 060Z	60									4700
2 _ _ _ 065Z	65	155	40	112	74	4	8	M16x60	250	7900
2 _ _ _ 070Z	70									9800
2 _ _ _ 075Z	75	167	44	130	84	4	9	M16x65	250	10500
2 _ _ _ 080Z	80									12500
2 _ _ _ 085Z	85	185	50	144	94	4	12	M16x70	250	15600
2 _ _ _ 090Z	90									18700
2 _ _ _ 095Z	95	197	54	156	104	4	14	M16x75	250	19800
2 _ _ _ 100Z	100									24000
2 _ _ _ 105Z	105	215	58	166	116	5	10	M20x90	480	26600
2 _ _ _ 110Z	110									27600
2 _ _ _ 115Z	115	230	65	186	126	5	14	M20x90	480	38800
2 _ _ _ 120Z	120									43900
2 _ _ _ 125Z	125	290	76	216	146	5	16	M20x100	480	43000
2 _ _ _ 130Z	130									51000
2 _ _ _ 140Z	140									57000
2 _ _ _ 150Z	150	320	80	234	166	5	14	M24x110	840	79000
2 _ _ _ 160Z	160									79000
2 _ _ _ 170Z	170	340	94	276	186	5	16	M24x130	840	103000
2 _ _ _ 180Z	180									106000
2 _ _ _ 190Z	190	370	96	290	206	5	16	M27x140	1250	137400
2 _ _ _ 200Z	200									148800
2 _ _ _ 210Z	210	405	97	320	226	5	18	M27x140	1250	183900
2 _ _ _ 220Z	220									183900
2 _ _ _ 230Z	230	430	110	340	246	5	20	M27x150	1250	218000
2 _ _ _ 240Z	240									218000
2 _ _ _ 250Z	250	460	119	356	286	5	21	M27x160	1250	239700
2 _ _ _ 260Z	260									239700
2 _ _ _ 270Z	270	485	125	360	306	5	21	M27x180	1250	241800
2 _ _ _ 280Z	280									241800
2 _ _ _ 290Z	290	520	130	380	330	5	21	M27x180	1250	255200
2 _ _ _ 300Z	300									255200
2 _ _ _ 310Z	310	550	136	402	350	8	24	M27x180	1250	308900
2 _ _ _ 320Z	320									308900
2 _ _ _ 330Z	330	570	142	424	370	8	24	M27x180	1250	325400
2 _ _ _ 340Z	340									325400
2 _ _ _ 350Z	350	610	147	454	400	8	24	M30x190	1650	412500
2 _ _ _ 360Z	360									412500
2 _ _ _ 380Z	380	630	167	486	430	8	24	M30x200	1650	441700
2 _ _ _ 390Z	390									441700
2 _ _ _ 400Z	400	670	175	506	450	10	24	M30x220	1650	459800
2 _ _ _ 410Z	410									459800
2 _ _ _ 420Z	420									459800
2 _ _ _ 430Z	430	700	175	534	470	10	28	M30x220	1650	565400
2 _ _ _ 440Z	440									565400

* Supplied without screws

T (Nm) = Transmissible peak torque with tightening torque Ts
Ts (Nm) = Screws tightening torque

3 pcs Shrink Disc

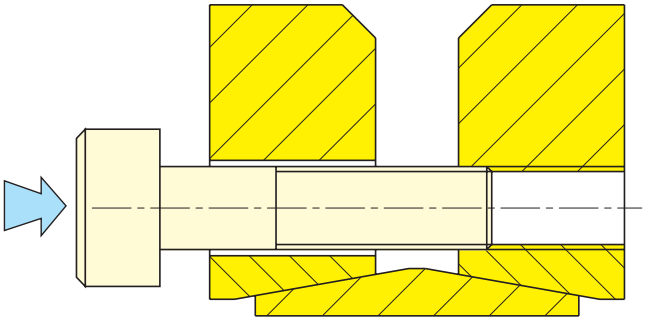


Fig. 1

Assembly instructions

- Do not tighten the screws before the shrink disc is mounted on the hub.
- Clean and slightly oil the inner diameter of the shrink disc and the outer diameter of the hub.
- **The essential condition to transmit the catalogue torque values is to clean and de-grease the surface between shaft and hub, and to respect tolerances and roughness as indicated on the technical charts.**
- After having assembled shaft and hub, position the shrink disc, squarely position the two thrust rings, and tighten the screws by hand.

Tightening with torque wrench

- Tighten the screws in clockwise sequence using the torque wrench in several steps, until the tightening torque value Ts of the catalogue is reached and stabilized.
- Make sure that the surfaces of outer rings remain parallel to each other during the whole tightening process.

Removal

- Release all the screws in clockwise sequence in different stages, without take them out completely from the threads until the flange and the ring are released. SD releases flange and ring itself thanks to the wide cone angle; if necessary lightly tap the screws to release the rear thrust ring (Fig. 1).

Repeated use of 3 pcs Shrink Disc

- The conical surfaces of the shrink disc, the screws and the surface under the screws head must be lubricated with grease containing high pressure additives MoS2 (such as Molykote G-Rapid Plus).

In case of disassembly and cleaning, the cones must be lubricated again.

TOLERANCE CHART

d hub outer diameter [mm]		Tolerance (t)	**d** hub outer diameter [inch]		Tolerance (t)
over	to (incl.)	[mm]	over	to (incl.)	[inch]
10	18	0,027	0.391	0.75	0.0011
18	30	0,033	0.75	1.188	0.0013
30	50	0,039	1.188	1.938	0.0015
50	80	0,046	1.938	3.125	0.0018
80	120	0,054	3.125	4.938	0.0021
120	180	0,063	4.938	7	0.0025
180	250	0,072	7	9.843	0.0028
250	315	0,081	9.843	12.562	0.0032
315	400	0,089	12.562	15.75	0.0035
400	500	0,097	15.75	19.687	0.0038

d_s shaft diameter hub inner diameter [mm]		Max Clearance [mm]	**d_s** shaft diameter hub inner diameter [inch]		Max Clearance [inch]
over	to (incl,)		over	to (incl,)	
10	18	0,014	0.391	0.75	0.0006
18	30	0,017	0.75	1.188	0.0007
30	50	0,032	1.188	1.938	0.0013
50	80	0,048	1.938	3.125	0.0019
80	120	0,069	3.125	4.938	0.0027
120	180	0,079	4.938	7	0.0031
180	250	0,090	7	9.843	0.0035
250	315	0,101	9.843	12.562	0.0040
315	400	0,111	12.562	15.75	0.0044
400	500	0,123	15.75	19.687	0.0048

hub outer diameter	
d	+ 0 - t

Shaft and hub bore surface roughness
0.8 μm ≤ Ra ≤ 3.2 μm
32 ≤ RMS ≤ 125 micro - inch

2 pcs Shrink Disc

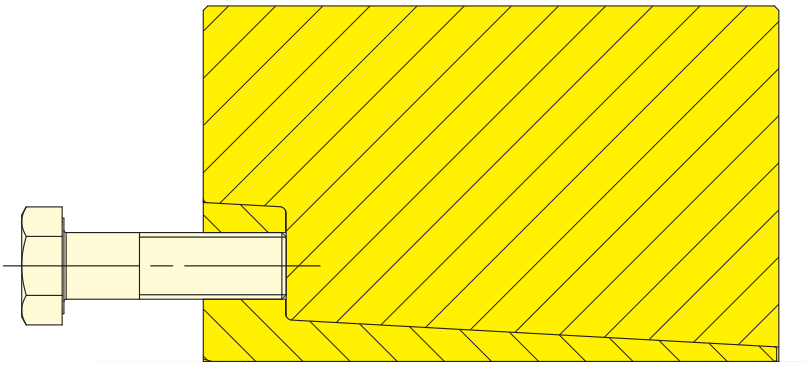


Fig. 2

- Always **store and transport** Conex SA-SB clamping elements with screws up.

Assembly instructions

- Do not tighten the screws before the shrink disc is mounted on the hub.
- Verify that flange and outer ring are not blocked before assembling; if necessary release the flange using the extraction screws.
- Clean and slightly oil the inner diameter of the shrink disc and the outer diameter of the hub.
- **The essential condition to transmit the catalogue torque values is to clean and de-grease the surface between shaft and hub, and to respect tolerances and roughness as indicated on the technical charts.**
- After having assembled shaft and hub, position the shrink disc and tighten the screws by hand.

Tightening with torque wrench

- Tighten four screws, approximately equally spaced, with a torque of approximately 60% of the catalogue tightening torque, then tighten all the screws in several steps clockwise with a torque wrench until the tightening torque value Ts of the catalogue is reached and stabilized.
- Make sure that the surfaces of outer ring and inner ring remain parallel to each other during the whole tightening process.
- During tightening with torque wrench, the flange can overhang the outer ring, because of the manufacturing tolerances of the single components.

Tightening without torque wrench

- Tighten four screws, approximately equally spaced, with a torque of approximately 60% of the catalogue tightening torque, then tighten all the screws in clockwise sequence in several steps, in order to align the flange and the outer ring surfaces; in this flush mounted condition the shrink disc will transmit the catalogue torque value.
- Make sure that the surfaces of outer ring and inner ring remain parallel to each other during the whole tightening process.

Removal

- Release all the screws in clockwise sequence in different stages until the flange and the ring are released.
- If the flange and the ring do not release, disassemble some screws and tighten them in the extraction holes of the flange surface until it is released (Fig. 2).
- Do not completely remove all the screws if the flange and the ring are still blocked because they could suddenly release causing danger to the operator.

Repeated use of 2 pcs Shrink Disc

- The conical surfaces of the shrink disc, the screws and the surface under the screws head must be lubricated with grease containing high pressure additives MoS2 (such as Molykote G-Rapid Plus).

In case of disassembly and cleaning, the cones must be lubricated again.

TOLERANCE CHART

d hub outer diameter [mm] over	to (incl.)	Tolerance (t) [mm]	**d** hub outer diameter [inch] over	to (incl.)	Tolerance (t) [inch]
10	18	0,052	0.391	0.75	0.0020
18	30	0,062	0.75	1.188	0.0024
30	50	0,075	1.188	1.938	0.0030
50	80	0,090	1.938	3.125	0.0035
80	120	0,106	3.125	4.938	0.0042
120	180	0,123	4.938	7	0.0048
180	250	0,142	7	9.843	0.0056
250	315	0,160	9.843	12.562	0.0063
315	400	0,176	12.562	15.75	0.0069
400	500	0,194	15.75	19.687	0.0076

d_s shaft diameter hub inner diameter [mm] over	to (incl,)	Max Clearance [mm]	**d_s** shaft diameter hub inner diameter [inch] over	to (incl,)	Max Clearance [inch]
10	18	0,029	0.391	0.75	0.0011
18	30	0,034	0.75	1.188	0.0013
30	50	0,041	1.188	1.938	0.0016
50	80	0,049	1.938	3.125	0.0019
80	120	0,057	3.125	4.938	0.0022
120	160	0,065	4.938	6.297	0.0026
160	180	0,079	6.297	7	0.0031
180	250	0,090	7	9.843	0.0035
250	315	0,101	9.843	12.562	0.0040
315	400	0,111	12.562	15.75	0.0044
400	500	0,123	15.75	19.687	0.0048

Shaft and hub bore surface roughness
0.8 μm ≤ Ra ≤ 3.2 μm
32 ≤ RMS ≤ 125 micro - inch

Rota Free India Pvt Ltd

All the Rota Free India products are not machines but components and can be installed only onto machines in conformity to the existing EC directives.
To prevent damages to people or to machinery:

- only specialists should work on our units;
- all the moving parts must be covered;
- repeated tightening may decrease the locking effect of the screws and the hexagon nuts: replace them when necessary;
- all the data on the catalogue are non-binding and cannot be used for legal claims: it is customer's responsibility to establish whether the selected products meet the requirement of his machinery.

This publication cancels and replaces any previous edition and revision.
We reserve the right to implement modifications without notice.

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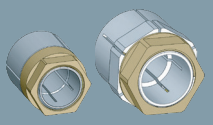
E: sales@rotafreeindia.com

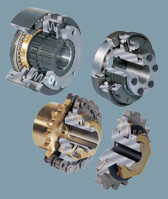
Product Lines:

Conex
Keyless Locking Devices

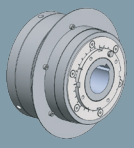


Rotalock
Keyless Locking Devices

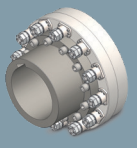
Flexsteel
Disc Pack Couplings



Standard
(Safeguard, Synchron, Safe Lifting, Rota Free)
Zbc (Zero Backlash)
Securex
Torque Limiters



Rota Free-RA
Torque limiter with automatic re-engagement
Idle rotation after disengagement

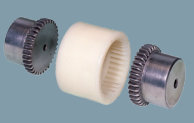


Modular Rota Free - MRF
Large Torque Limiters -
Idle rotation after disengagement

Metalflex
Bellow Couplings

Crowngear
Steel Gear Couplings

Compolastic
Elastic Couplings



Compogear
Nylon Gear Couplings