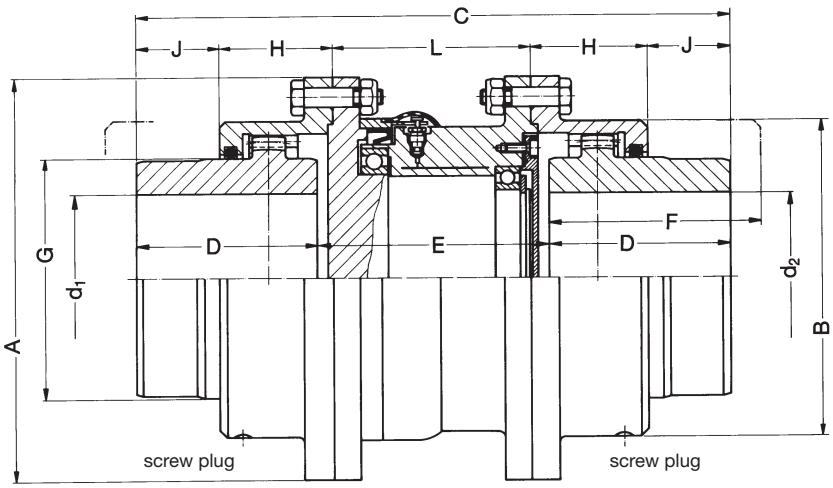
Curved Tooth Couplings LBLk with HYGUARD® Safety Coupling BWL

Table of Dimensions No. 243 090



HYGUARD® Safety coupling BWL in flanged design with attached curved tooth coupling LBLk. This combination provides reliable protection against overload and is suitable for applications which do not require a shaft coupling with a complicated design. The permissible angular offset is ± 0.75 degrees per coupling half. The housing is tooth tip and flank centered. The standard version of the LBLk curved tooth coupling is grease-lubricated. The seal is provided by O-rings. LBLk curved tooth couplings already in use can be retrofitted with the HYGUARD® safety coupling BWL.

1) Values for complete coupling with max. d_1 and d_2

Dimensions are subject to change due to technical progress.

Type Combination **LBLk/BWL** Size	Torque Range T ~ Nm	Bore d_1, d_2 rough mm	Bore d_1, d_2 min mm	Bore d_1, d_2 max mm	Dimensions A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	L mm	Weight[1] kg	Mass Moment of Inertia[1] J kgm²
38/ 30	400 – 800	10	12	42	115	88	210	60	90	90	60	50,5	14,5	80	10,2	0,0154
48/ 40	710 – 1420	20	22	55	145	108	240	70	100	100	77	51	24	90	17,6	0,042
60/ 50	1400 – 2800	20	22	65	165	125	281	80	121	110	90	53,5	32	110	24,9	0,074
70/ 60	2500 – 5000	26	28	80	195	145	297	90	117	120	112,5	56	40	105	37,3	0,155
80/ 70	4000 – 8000	26	28	92	215	168	321	100	122	130	128,5	59	46,5	110	48	0,242
90/ 80	5600 – 11200	30	32	105	230	185	354	110	134	140	145	63,5	53,5	120	62	0,363
100/ 90	8000 – 16000	30	32	115	265	210	394	125	144	150	160,5	74	58	130	89	0,683
110/100	11200 – 22400	53	55	126	270	224	434	140	154	170	176	80,5	66,5	140	105	0,86
125/110	14000 – 28000	63	65	145	305	245	466	150	166	180	200,5	87,5	70,5	150	138	1,43
140/125	22400 – 44800	73	75	162	330	270	518	170	178	200	224,5	98,5	80,5	160	180	2,19
160/140	31500 – 63000	83	85	185	375	305	570	190	190	230	256,5	110,5	89,5	170	227	3,62
180/160	45000 – 90000	118	120	210	425	348	644	220	204	260	288,5	125	107	180	356	7,24
200/180	63000 – 126000	138	140	230	470	392	719	250	219	300	320,5	136	126	195	480	11,9
225/200	90000 – 180000	158	160	260	535	437	798	280	238	330	362	157,5	136,5	210	670	16,9