

Bolt couplings

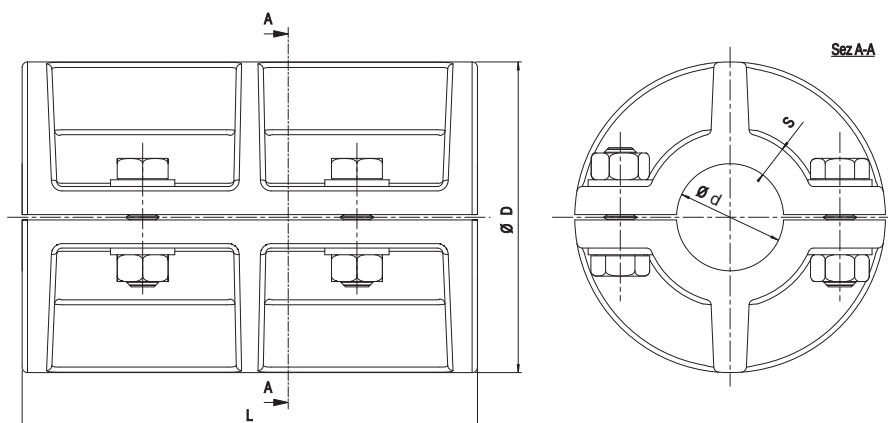
The bolt coupling is a rigid coupling. It is made of two halves, which are cast iron grade GG25 connected by means of bolts. It is maintenance and lubrication free. Moreover, its construction prevents fretting corrosion and allows for easy mounting and dismounting.

The bolt coupling is designed to connect horizontal shafts with similar diameters. If different application, contact our technical

department.

The indicated torque values refer to couplings without keyways. To transmit higher torques it is possible to machine keyways by following DIN 6885/1.

The values of the torque have been calculated with a coefficient of friction equal to 0,15 and with a screw tightening torque according to the indicated value (DIN 912 - 8.8).



Type	d [mm]	D [mm]	L [mm]	S [mm]	Type of screws	Nr. screws	n_{max} [min ⁻¹]	Ms [Nm]	M _T [Nm]	
									Without keyway	With keyway
GB 20	20	74	110	5,5	M8	4	3098	25	20	25
GB 25	25	74	115	6,5	M8	4	3098	25	20	40
GB 30	30	96	145	8	M10	4	2388	49	35	60
GB 35	35	103	158	7	M10	4	2226	49	40	80
GB 40	40	116	174	7	M12	4	2029	86	65	100
GB 45	45	113	190	7	M12	4	1976	86	75	125
GB 50	50	120	205	7	M12	6	1910	86	120	150
GB 55	55	140	220	11	M14	6	1637	135	200	600
GB 60	60	140	242	13	M14	6	1637	135	215	850
GB 65	65	150	250	13	M14	6	1528	135	235	1250
GB 70	70	160	260	15	M14	6	1433	135	255	1700
GB 80	80	185	279	16	M14	6	1239	135	290	2500
GB 90	90	210	310	20	M16	8	1091	210	310	3800
GB 100	100	225	343	20	M16	8	1019	210	600	5400

Order form

Hub
Type
GB 100

n_{max}	Maximum rpm	min ⁻¹
M _S	Screw tightening torque	Nm
M _T	Transmissible torque moment	Nm

GB

