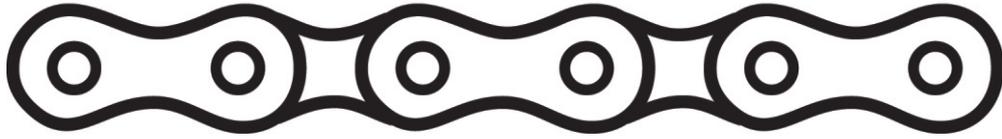


PT PARTS



POWER TRANSMISSION PARTS

Spare parts in-stock when you need them

Rigid Couplings



www.ptparts.com.au



RIGID COUPLING - METRIC

RULAND NOMAR® RIGID COUPLING

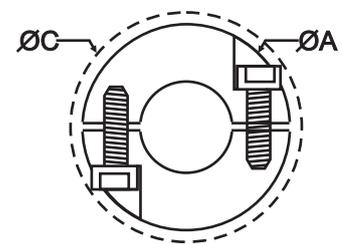
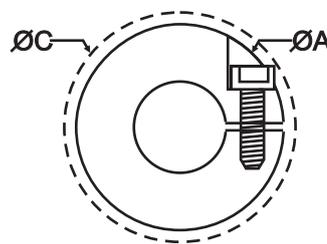
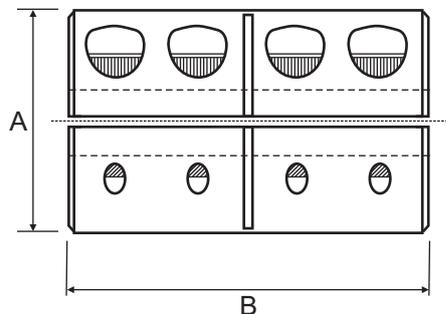
DIMENSIONAL DATA

Ruland's rigid couplings are available in one and two piece clamp designs, with and without keyways in steel or stainless steel. Clamp style rigid couplings wrap around the shaft, providing high torsional holding power without the shaft damage and fretting that occurs when set screw style couplings are used. Two-piece clamp styles also allow for disassembly and maintenance without removal of other machine components and feature opposing hardware for a balanced design.

Part No.		Bore	A	B	C
One Piece	Two Piece				
Split	Split				
MCLX-3-3	MSPX-3-3 *	3.0	15.0	22.0	15.0
MCLX-4-4	MSPX-4-4 *	4.0	15.0	22.0	15.0
MCLX-5-5	MSPX-5-5 *	5.0	15.0	22.0	15.0
MCLX-6-6	MSPX-6-6 *	6.0	18.0	30.0	21.5
MCLX-8-8	MSPX-8-8 *	8.0	24.0	35.0	27.1
MCLX-10-10	MSPX-10-10 *	10.0	29.0	45.0	33.0
MCLX-12-12 *	MSPX-12-12 *	12.0	29.0	45.0	33.0
MCLX-14-14 *	MSPX-14-14 *	14.0	34.0	50.0	39.4
MCLX-15-15 *	MSPX-15-15 *	15.0	34.0	50.0	39.4
MCLX-16-16	MSPX-16-16	16.0	34.0	50.0	39.4
MCLX-20-20	MSPX-20-20 *	20.0	42.0	65.0	48.9
MCLX-25-25	MSPX-25-25	25.0	45.0	75.0	51.5
MCLX-30-30	MSPX-30-30	30.0	53.0	83.0	58.7
MCLX-35-35	MSPX-35-35	35.0	67.0	95.0	74.7
MCLX-40-40	MSPX-40-40	40.0	77.0	108.0	84.0
MCLX-50-50	MSPX-50-50	50.0	85.0	124.0	94.2



Part number with no keyway.
 F - indicates steel with black oxide
 SS - indicates stainless steel
 * Available on Request





RIGID COUPLING - INCH

RULAND NOMAR® RIGID

Ruland's rigid couplings are available in one and two piece clamp designs, with and without keyways in steel and stainless steel. Clamp style rigid couplings wrap around the shaft, providing high torsional holding power without the shaft damage and fretting that occurs when set screw style couplings are used. Two-piece clamp styles also allow for disassembly and maintenance without removal of other machine components and feature opposing hardware for a balanced design.

DIMENSIONAL DATA

Part No.		Bore	A	B	C
One Piece	Two Piece				
Split	Split				
CLX-4-4 *	SPX-4-4 *	6.4	15.9	25.4	20.7
CLX-6-6 *	SPX-6-6 *	9.5	22.2	34.9	26.2
CLX-8-8 *	SPX-8-8 *	12.7	28.6	44.5	33.7
CLX-10-10 *	SPX-10-10 *	15.9	33.3	50.8	38.5
CLX-12-12	SPX-12-12	19.1	38.1	57.2	46.8
CLX-14-14 *	SPX-14-14 *	22.2	41.3	63.5	49.1
CLX-16-16	SPX-16-16	25.4	44.5	76.2	52.0
CLX-18-18 *	SPX-18-18 *	28.6	47.6	79.4	55.4
CLX-20-20	SPX-20-20	31.8	52.4	82.6	58.1
CLX-22-22 *	SPX-22-22 *	34.9	63.5	92.1	70.4
CLX-24-24 *	SPX-24-24 *	38.1	66.7	98.4	73.3
CLX-28-28 *	SPX-28-28 *	44.5	79.4	114.3	85.5
CLX-32-32 *	SPX-32-32 *	50.8	85.7	123.8	94.4



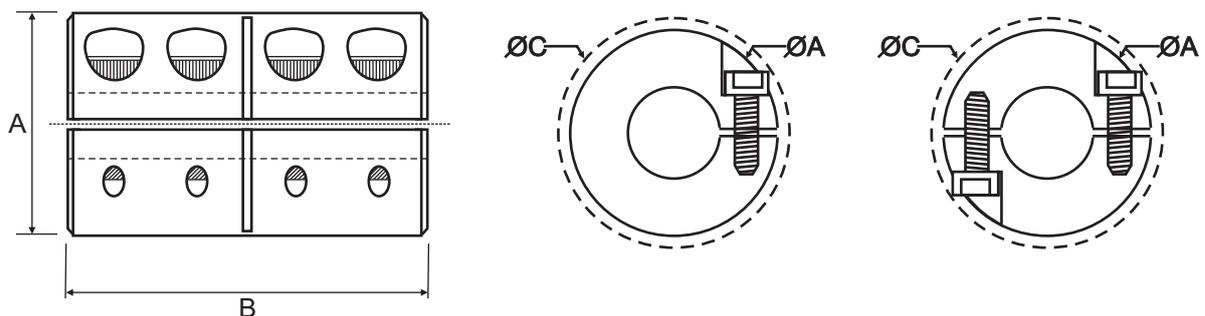
Bore sizes are in inches

Part number with no keyway.

F - indicates steel with black oxide

SS - indicates stainless steel

* Available on Request





RIGID SLEEVE COUPLING - INCH

RIGID SLEEVE

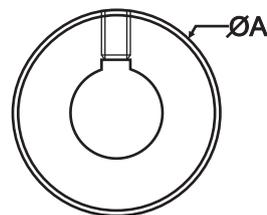
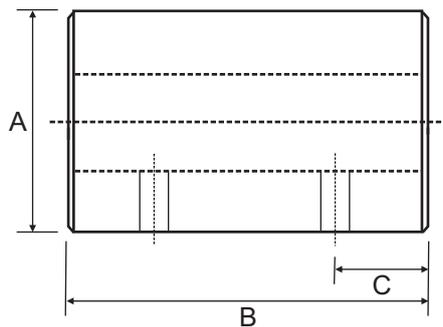
Lovejoy Rigid Sleeve couplings fit the standards of the industry. These couplings, the simplest type, provide a fixed union between two shafts which are precisely aligned. They are suitable for use in joining any two shafts when flexibility is not required, shaft alignment is maintained and proper bearing support is provided. Bore tolerances are $-.000/+.002$ inches. These couplings have American Standard Keyways.

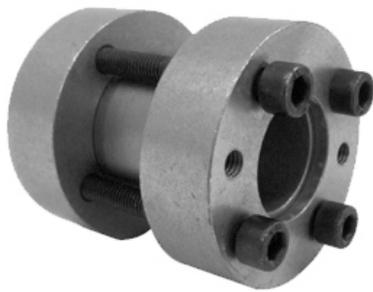
DIMENSIONAL DATA

Part No.	Bore	A	B	C
SC--250*	6.4	12.7	19.1	4.8
SC--312*	8.0	15.8	25.4	6.4
SC--375*	9.5	19.1	25.4	6.4
SC--500	12.7	25.4	38.1	9.7
SC--625	15.9	31.8	50.8	12.7
SC--750	19.1	38.1	50.8	12.7
SC--875	22.2	44.5	50.8	12.7
SC-1000	25.4	50.8	76.2	19.1
SC-1125	28.6	53.8	76.2	19.1
SC-1250	31.8	57.2	101.6	25.4
SC-1375	34.9	63.5	114.3	25.4



* These sizes do not have a keyway.
Bore sizes are in inches



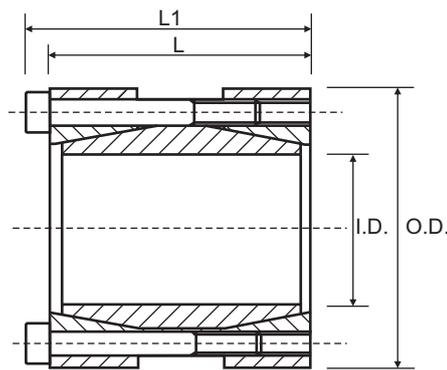


CAL10 (Rigid Coupling)

Consists of one inside and two outside cone rings, which are joined by a set of screws. This locking device is designed as a rigid coupling to join the shafts of the same size. CAL10 is also available to suit shafts of different sizes on request. Available for shaft diameters from 16 to 80 mm.

Characteristics

Medium high torque
 Few tightening screws
 Easy installation
 Economical



Part No.	I.D.	O.D.	L	L1	Torque Nm	Axial Force N
CAL10-16/45 *	16	45	50	56	190	24000
CAL10-17/50 *	17	50	50	56	179	21000
CAL10-18/50 *	18	50	50	56	190	21000
CAL10-19/50 *	19	50	50	56	200	21000
CAL10-20/50	20	50	50	56	211	21000
CAL10-22/55 *	22	55	60	66	347	32000
CAL10-24/55 *	24	55	60	66	379	32000
CAL10-25/55	25	55	60	66	394	32000
CAL10-28/60 *	28	60	60	66	442	32000
CAL10-30/60	30	60	60	66	473	32000
CAL10-32/63 *	32	63	60	66	505	32000
CAL10-32/75 *	32	75	60	68	720	45000
CAL10-35/75 *	35	75	75	83	682	39000
CAL10-38/75 *	38	75	75	83	741	39000
CAL10-40/75	40	75	75	83	780	39000
CAL10-42/78 *	42	78	75	83	819	39000
CAL10-42/90 *	42	90	75	83	1400	67000
CAL10-45/85 *	45	85	75	83	819	39000
CAL10-48/90 *	48	90	85	93	1405	59000
CAL10-50/90 *	50	90	85	93	1463	59000
CAL10-55/94 *	55	94	85	93	2147	78000
CAL10-55/105 *	55	105	85	93	2470	90000
CAL10-60/100 *	60	100	85	93	2343	78000
CAL10-65/105 *	65	105	85	93	2538	78000
CAL10-70/115 *	70	115	100	110	3239	93000
CAL10-70/125 *	70	125	100	110	3770	107000
CAL10-75/120 *	75	120	100	110	3471	93000
CAL10-80/125 *	80	125	100	110	4938	123000

* Available on Request

All dimensions in mm unless otherwise stated

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For CAL10 use the following tolerances

h8 for the shaft





BOLT COUPLING

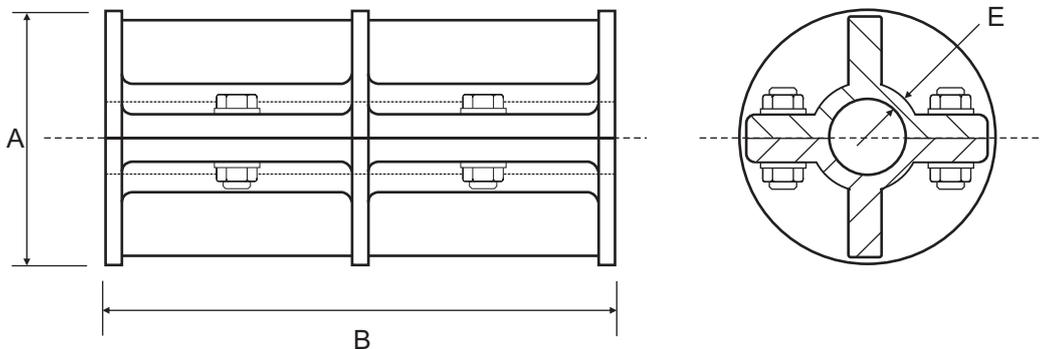
BOLT

The bolt coupling is a rigid coupling. It is made of two cast iron halves, which are bolted together. The coupling is maintenance and lubrication free, and its construction prevents fretting corrosion and allows for easy installation and removal. Coupling must be an interference fit with the shaft.

DIMENSIONAL DATA

Part No.	Bore	Nominal Torque (Nm)		A	B	E
		With Key	Without key			
GB20	20.0	25.0	20.0	74.0	110.0	5.5
GB25	25.0	40.0	20.0	74.0	115.0	6.5
GB30	30.0	60.0	35.0	96.0	145.0	8.0
GB35	35.0	80.0	40.0	103.0	158.0	7.0
GB40	40.0	100.0	65.0	116.0	174.0	7.0
GB45	45.0	125.0	75.0	113.0	190.0	7.0
GB50	50.0	150.0	120.0	120.0	205.0	7.0
GB55	55.0	600.0	200.0	140.0	220.0	11.0
GB60	60.0	850.0	215.0	140.0	242.0	13.0
GB65	65.0	1250.0	235.0	150.0	250.0	13.0
GB70	70.0	1700.0	255.0	160.0	260.0	15.0
GB80	80.0	2500.0	290.0	185.0	279.0	16.0
GB90 *	90.0	3800.0	310.0	210.0	310.0	20.0
GB100 *	100.0	5400.0	600.0	225.0	343.0	20.0

* Available on Request



RM RIGID COUPLING

PERFORMANCE DATA

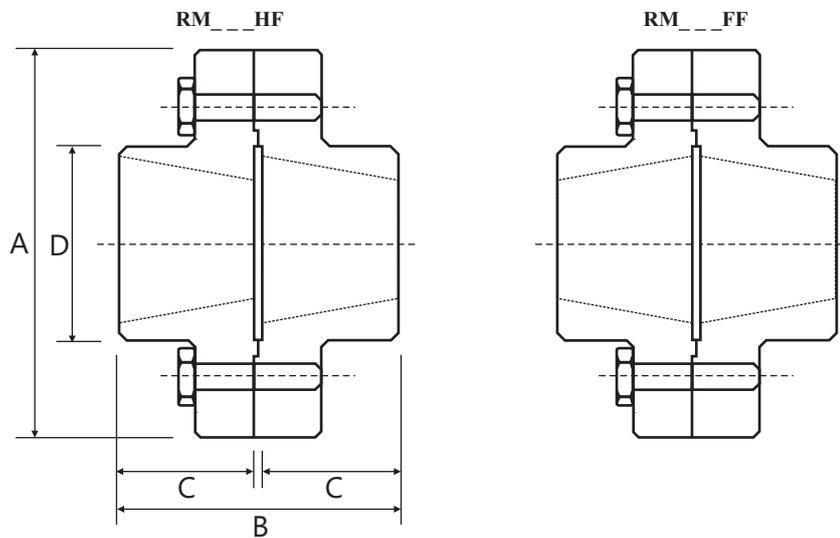
RM RIGID

The RM rigid coupling consists of two cast iron taper lock halves, a male & female flange, fully machined. The male hubs are available with taper lock entry from the Hub side **H** or the Flange side **F**. The female hub is available only from the Flange side **F**. This allows two alternative coupling assemblies as drawn below. For vertical applications use **FF** assembly only.

Part No.	Max Bore	Max Torque (Nm)	Normal Maximum Speed (RPM)
RM12	32.0	130	4000
RM16	42.0	220	4000
RM25	60.0	500	3200
RM30	75.0	1000	2500
RM35	90.0	1400	2200
RM40	100.0	2700	1900
RM45	110.0	3200	1700
RM50	125.0	4000	1500



DIMENSIONAL DATA



Part No.	Bore		Taper Bush	A	B	C	D
	Min	Max					
RM12	12.0	32.0	1210	118.0	57.0	26.0	83.0
RM16	12.0	42.0	1615	127.0	83.0	38.0	80.0
RM25	19.0	60.0	2517	178.0	97.0	45.0	123.0
RM30	32.0	75.0	3030	216.0	159.0	76.0	145.0
RM35	35.0	90.0	3535	248.0	185.0	89.0	178.0
RM40	40.0	100.0	4040	298.0	210.0	102.0	210.0
RM45	60.0	110.0	4545	330.0	235.0	114.0	230.0
RM50	70.0	125.0	5050	362.0	260.0	127.0	260.0