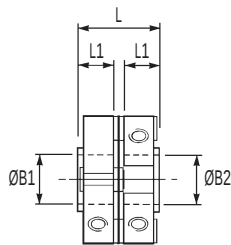
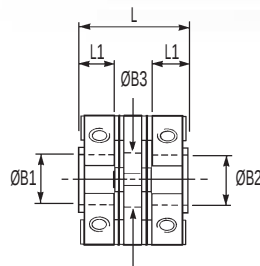




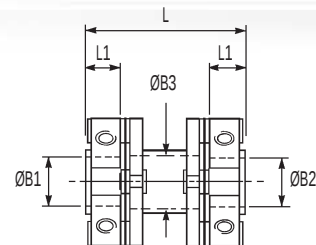
Set screw hubs



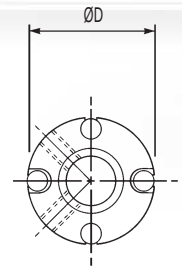
Ref. 460
for use in pairs or with floating shafts



Ref. 464
for precisely aligned shafts

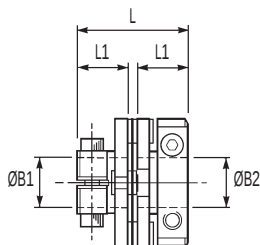


Ref. 468
for greater radial misalignment and lower bearing loads

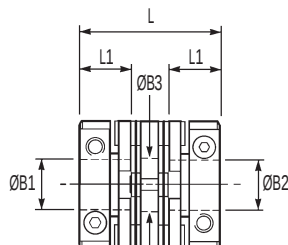


Typical

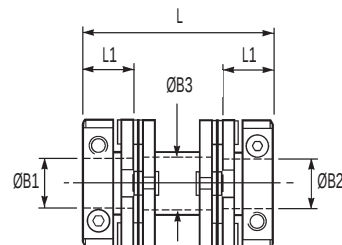
Clamp hubs



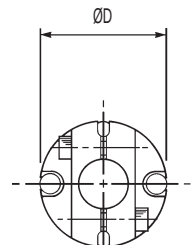
Ref. 462
for use in pairs or with floating shafts



Ref. 466
for precisely aligned shafts



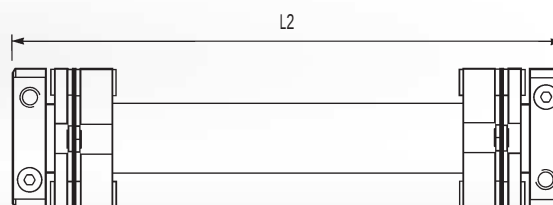
Ref. 470
for greater radial misalignment and lower bearing loads



Typical

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Drive shafts



Unless specified otherwise, drive shafts are supplied with set screw hubs inboard.

Drive shafts are supplied to order.

Please specify:

- Coupling size
- Hub style and bore diameter at each end
- Keyway details
- Overall length L2
- Minimum torsional stiffness, if critical
- Quantity

Materials & Finishes

Hubs & spacer: Al. Alloy 7020T6
Clear anodised finish

Membranes: Spring quality stainless steel
Heat treated

Rivet assembly: Brass rivets flanked by formed steel washers
Steel, zinc plate & colour passivate

Fasteners: Alloy steel, black oiled

Temperature Range

-40°C to +120°C

Flex - M Flexible Membrane Couplings - Rivetted Series



DIMENSIONS & ORDER CODES

Coupling Size	Set Screw Hubs	Clamp Hubs	ØD	L	¹ L1	ØB1, ØB2 max	² ØB3	Fasteners			⁴ Moment of inertia kgm2 x 10-8	⁴ Mass kg x 10-3
								Screw	³ Torque Nm	Wrench mm		
	COUPLING REF											
19	460.19	—	19.2	13.0	5.6	6.35	N/A	M3	0.94	1.5	30	7
	464.19	—		19.6			7.3				50	10
	468.19	—		27.3			N/A				60	12
	—	462.19		20.2	9.2		7.3	M2.5	1.32	2	40	9
	—	466.19		26.8			N/A				60	13
	—	470.19		34.5			7.3				60	14
26	460.26	—	25.6	15.8	6.9	10	N/A	M4	2.27	2	120	15
	464.26	—		22.4			11.0				160	18
	468.26	—		30.1			N/A				200	23
	—	462.26		21.8	10.0		11.0	M2.5	1.32	2	130	16
	—	466.26		28.4			N/A				160	20
	—	470.26		36.1			11.0				210	25
33	460.33	—	33.5	22.5	10.0	12.7	N/A	M5	4.62	2.5	560	37
	464.33	—		32.1			14.1				800	52
	468.33	—		42.8			N/A				830	55
	—	462.33		30.5	14.0		14.1	M3	2.43	2.5	520	37
	—	466.33		40.1			N/A				730	51
	—	470.33		50.8			14.1				760	55
41	460.41	—	41.5	27.1	12.0	16	N/A	M6	7.61	3	1540	69
	464.41	—		38.5			17.5				2250	97
	468.41	—		50.1			N/A				2450	107
	—	462.41		37.1	17.0		17.5	M4	5.66	3	1530	72
	—	466.41		48.5			N/A				2220	100
	—	470.41		60.1			17.5				2370	109

IMPORTANT

Load capacity depends on application conditions: see page 6 for details

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PERFORMANCE

Coupling Size	Ref.	⁵ Peak torque Nm	⁷ Max compensation			⁷ Flexural stiffness			
			Angular deg	Radial mm	Axial ± mm	Torsional Nm / rad	Angular N / deg	Radial N / mm	Axial N / mm
19	460 & 462	0.9	2	0	0.1	220	0.4	—	—
	464 & 466		4	0.2	0.2	150	0.25	14	< 7
	468 & 470		4	0.4	0.2	145	0.3	4	—
26	460 & 462	2.3	2	0	0.1	585	0.75	—	—
	464 & 466		4	0.2	0.2	385	0.5	37	< 7
	468 & 470		4	0.4	0.2	400	0.4	7	—
33	460 & 462	5.6	1.5	0	0.1	1560	2	—	—
	464 & 466		3	0.2	0.2	935	1	48	< 8
	468 & 470		3	0.4	0.2	980	1.2	13	—
41	460 & 462	11.3	1	0	0.1	2710	4	—	—
	464 & 466		2	0.2	0.2	1980	2	100	< 8
	468 & 470		2	0.4	0.2	2020	2	25	—

- Length of supported thro' bore.
- Clearance bore thro' spacer.
- Maximum recommended tightening torque.
- Values apply with max bores.
- Peak torque. Select a size where Peak Torque exceeds the application torque x service factor. (see page 6)
- Max. compensation values are mutually exclusive.
- Torsional stiffness values apply at 50% peak torque with no misalignment, measured shaft-to-shaft with largest standard bores.
Note that in some vendors' catalogues the given torsional stiffness applies to the membrane stack only, giving rise to a greater value.

STANDARD BORES

Coupling Size	ØB1, ØB2 +0.03/-0mm																	
	3	3.175	4	4.763	5	6	6.350	8	9	9.525	10	11	12	12.700	14	15	15.875	16
19	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
26			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
33						●	●	●	●	●	●	●	●	●	●	●	●	●
41							●	●	●	●	●	●	●	●	●	●	●	●
Bore ref.	14	16	18	19	20	22	24	28	30	31	32	33	35	36	38	40	41	42
Corresponding bore adaptor					251		253	255			257			259				260

Diameters for which a bore adaptor is shown can be adapted to smaller shaft sizes.
See page 56 for details of metallic and electrically insulating adaptors.