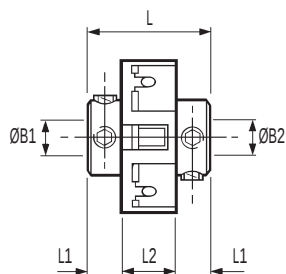
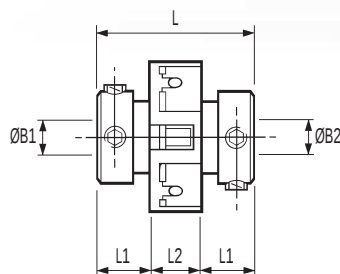




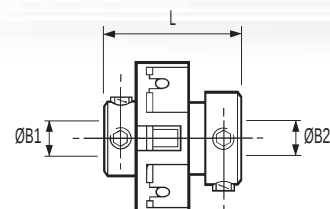
Set screw hubs



Ref. 201
Small bores



Ref. 203
Large bores

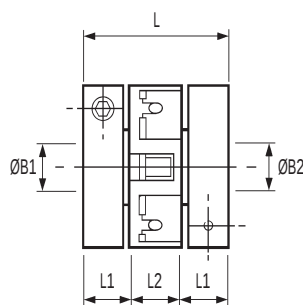


Ref. 221 (not listed in main table).
Combines large & small bores.
See explanatory note on facing page

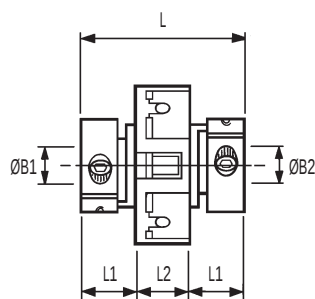
Coupling ref. 221

Size	L
18	16.7
27	22.3
34	28.0
41	33.3

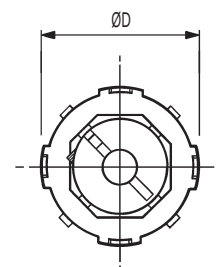
Clamp hubs



Ref. 207
Collet hub & ring clamp



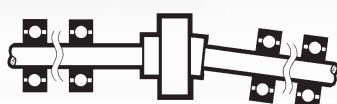
Ref. 205, 206
Integral leaf clamp



Typical

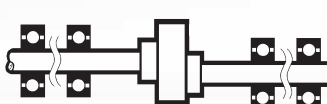
22

Installation



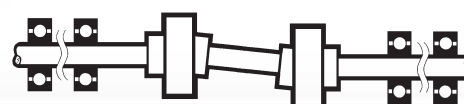
right

Up to 10° angular offset,
depending on type



right

Up to 1mm radial offset for
extreme misalignments



wrong

Standard Uni-Lats cannot be used in pairs.
Special versions are available for use in this mode.
Please enquire.

Materials & Finishes

Hub sizes 18 & 27: Brass BS 2874 CZ121

Hub sizes 34 & 41: Al. Alloy AIECO 62Sn T9
Irridite NCP

Fasteners: Alloy steel, black oiled

Clamp rings (sizes 18 & 27): Al. Alloy AIECO 62Sn T9
Irridite NCP

Torque rings, all sizes: Acetal (black)

Temperature Range

-20°C to +60°C



DIMENSIONS & ORDER CODES

Coupling Size	Set Screw Hubs	Clamp Hubs	ØD	L	¹ L1	² L2	ØB1, ØB2 max	Fasteners			⁴ Moment of inertia kgm2 x 10 ^{−8}	⁴ Mass kg x 10 ^{−3}
								Screw	³ Torque Nm	Wrench mm		
COUPLING REF												
18	201.18	–	18.0	14.2	4.6	5.1	5	M3	0.94	1.5	20	7
	203.18	–		19.1	7.0		6.35					
	–	207.18 ± 219	19.1				4–40	2.33	2.0	55	11	
27	201.27	–	28.0	19.1	6.1	6.9	8	M3	0.94	1.5	91	16
	203.27	–		25.4	9.3		10					
	–	207.27 ± 218							M3	2.43	2.5	220
34	201.34	–	33.7	25.2	8.1	8.9	10	M4	2.27	2.0	165	17
	203.34	–		30.7	10.9		12.7					
	–	206.34							10	4–40	2.33	183
41	201.41	–	41.4	28.4	8.6	11.2	12.7	M4	2.27	2.0	476	30
	203.41	–		38.1	13.5		16	M5	4.62	2.5	550	40
	–	205.41							12.7	M4	5.66	3.0
70	203.70	–	69.0	74.0	28.5	17.0	22	M6	7.60	3.0	7315	189
	–	205.70							22	M6	19.3	5.0

- Length of supported thro' bore. Shafts must not penetrate beyond L1 when in operation.
 - Nominal distance between shafts inserted to L1.
 - 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)
 - Couplings can provide up to 1mm radial and 10° angular compensation (5° for ref. 207) when required. Observe given values for maximum backlash-free life. Electrical isolation between shafts > 3kV for all models when offset ≤ 5°.
 - Values apply at 50% peak torque with no misalignment, measured shaft-to-shaft with largest standard bores.
 - Momentary values.
- ‡ Ref. 207 only. Insert both bore codes in place of ‡.

PERFORMANCE AT 20°C

Coupling Size	⁵ Peak torque Nm	⁶ Max compensation @ 3000 r.p.m.		⁷ Torsional		Axial		Static break torque Nm
		Angular deg	Radial mm	Rate deg / Nm	Stiffness Nm / rad	⁸ Max loading ±N	Stiffness N / mm	
18	0.3	2	0.2	2.3	25	19	155	0.9
27	1.7		0.2	0.6	92	31	350	5.0
34	2.5		0.25	0.4	146	34	300	7.5
41	3.5		0.25	0.19	299	39	250	10.5
70	12.0		0.25	0.19	1300	75	540	68

Coupling ref. 221

By specifying ref. 221 (not listed in tables, see diagram facing page) you can combine the bores coded for ref. 201 with those coded for ref. 203,

eg., 221.27.2432 specifies Size 27 with Ø6.35 x 10 bores.

IMPORTANT

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

STANDARD BORES

Coupling		ØB1, ØB2 +0.03/-0mm																			
size	ref.	3	3.175	4	4.763	5	6	6.350	7.938	8	9.525	10	12	12.700	14	15.875	16	18	19	19.05	20
18	201.18	●	●	●	●	●															
	203.18						●	●													
	207.18	●	●	●	●	●	●	●													
27	201.27	●	●	●	●	●	●	●	●	*	●										
	203.27										●	●									
	207.27					●	●	●		●	●	●									
34	201.34						●	●		●	●	●									
	203.34												●	●							
	206.34						●	●	●	●	●	●									
41	201.41						●	●		●	●	●	●	●							
	203.41														●	●	●				
	205.41						●	●		●	●	●	●	●							
70	203.70												●	●	●	●	●	●	●	●	●
	205.70												●	●	●	●	●	●	●	●	●
Bore ref.		14	16	18	19	20	22	24	27	28	31	32	35	36	38	41	42	45	46	47	20
Corresponding bore adaptor						251		253		254* 255		257		259			260				261

Diameters for which a bore adaptor is shown can be adapted to smaller shaft sizes. See page 56 for details.

*Note that adaptor 254 is dedicated to coupling ref. 201.27. Use adaptor 255 for all other 8mm diameters.