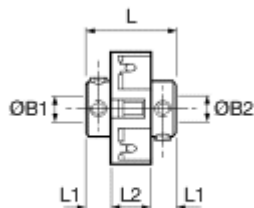
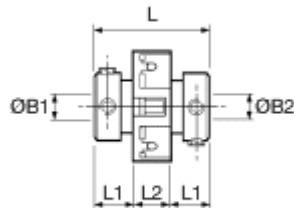


**UNI-LAT** UNIVERSAL/LATERAL OFFSET COUPLERS

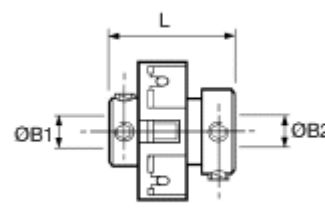
**Set screw hubs**



Ref. 201  
Small bores



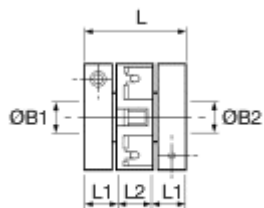
Ref. 203  
Large bores



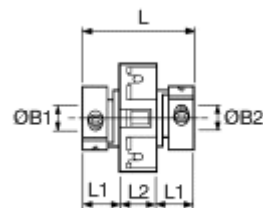
Ref. 221 (not listed in main table).  
Combines large & small bores.  
See explanatory note on facing page

Coupler ref. 221	
Size	L
18	16.7
27	22.3
34	28.0
41	33.3

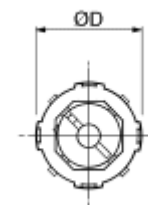
**Clamp hubs**



Ref. 207  
Collet hub & ring clamp

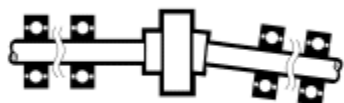


Ref. 205, 206  
Integral leaf clamp

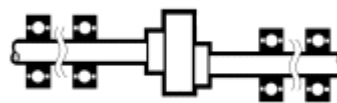


Typical

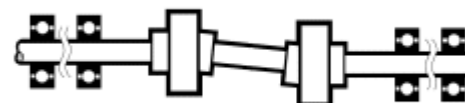
**Installation**



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.

### Service factors

(Uni-Lat & Oldham couplers)

Peak torque values apply to drives where there is no misalignment, and in the case of Oldham couplers, no misalignment or axial motion. Apply the service factors to the application torque as appropriate, eg.,

Application torque = 1 Nm  
 Service factor = 2  
 \ Adjusted torque = 2 Nm

Select a coupler where Peak Torque exceeds 2 Nm.  
 Note that factors apply to aggregate time on-load, not necessarily the hours the machine is switched on.

**HOW TO ORDER**  
 Combine the coupler ref in Main Table with BORE REFS in Standard Bores Table. Please identify both bores e.g.

**201.18.1819**

Coupler ref.		
ØB1 ref.		
ØB2 ref.		

**MAIN TABLE - DIMENSIONS & ORDER CODES**

COUPLER SIZE	SET SCREW HUBS	CLAMP HUBS	OD	L	L1	L2	OB1, OB2 MAX	FASTENERS			MOMENT OF INERTIA kgm <sup>2</sup> X 10 <sup>-8</sup>	kg x 10 <sup>-3</sup>
								SCREW	TORQUE Nm	WRENCH mm		
18.0	201.18	207.18 ‡ 219	18.0	14.2	4.6	5.1	5.0	M3	0.9	1.5	20.0	7.0
	203.18			19.1	7.0		6.4	4-40	2.3	2.0	55.0	11.0
	201.27			19.1	6.1		8.0	M3	0.9	1.5	91.0	16.0
27.0	203.27	207.27 ‡ 218	28.0	25.4	9.3	6.9	10.0	M3	2.4	2.5	220.0	26.0
	201.34			25.2	8.1		10.0	M4	2.3		165.0	17.0
34.0	203.34	206.34	33.7	30.7	10.9	8.9	12.7			2.0	183.0	20.0
	201.41			28.4	8.6		12.7	M4	2.3	2.0	476.0	30.0
41.0	203.41	205.41	41.4	38.1	13.5	11.2	16.0	M5	4.6	2.5	550.0	40.0
							12.7	M4	5.7	3.0		

**Materials & Finishes**  
**Hub sizes 18 & 27:**  
 Brass BS 2874 CZ121  
 Chromate & passivate finish  
**Hub sizes 34 & 41:**  
 Al. Alloy 2011T8  
 Alocrom finish  
**Fasteners:**  
 Alloy steel, black oiled  
**Clamp rings (sizes 18 & 27):**  
 Al. Alloy 2011T8  
 Alocrom finish  
**Torque rings, all sizes:**  
 Acetal (black)  
**Temperature Range**  
 -20°C to +60°C

## PERFORMANCE

Coupler Size	Peak torque Nm	Max compensation		Torsional		Axial		Static break torque Nm
		Angular ± deg	Radial ± mm	Rate deg / Nm	Stiffness Nm / rad	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

1. Length of supported thro' bore. Shafts must not penetrate beyond L1 when in operation.
  2. Nominal distance between shafts inserted to L1.
  3. Maximum recommended tightening torque.
  4. Values apply with max bores.
  5. **Peak torque.** Select a size where Peak Torque exceeds the application torque x service factor.
  6. Couplers 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°.
  7. Values apply at 50% peak torque with no misalignment, measured shaft-to-shaft with largest standard bores.
  8. Momentary values.
  9. Couplers can be specified with keyways or 'D' bores. See page 4 for details.
- ‡ **Ref. 207 only.** Insert both bore codes in place of ‡.

## SERVICE FACTORS

Nature of load	Factor
Uniform load	1.5
Non-uniform load	2
Shock load	3
Reversing shock load	4

**STANDARD BORES**

Coupler		OB1, Ob2 +0.03/-0mm																
size	ref.	3	3.175	4	4.763	5	6	6.350	7.938	8	9.525	10	12	12.700	17	15.875	16	
	203.18	●	●	●	●	●												
18	203.18						●	●										
	203.18	●	●	●	●	●	●	●										
	201.27	●	●	●	●	●	●	●	●	●								
27	201.27										●	●						
	201.27					●	●	●		●	●	●						
	201.34						●	●		●	●	●						
24	201.34												●	●				
	201.34						●	●	●	●	●	●						
	201.41						●	●		●	●	●	●	●				
41	201.41														●	●	●	
	201.41						●	●		●	●	●	●	●				
	Bore ref.	14	16	18	19	20	22	24	27	28	31	32	35	36	38	41	42	
	Corresponding bore adaptor					251	253		*254 255		257		259				260	

**Coupler 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.

Diameters for which a bore adaptor is shown can be adapted to smaller shaft sizes. See page 40 for details.

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



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Test Accessories - Other](#) category:*

*Click to view products by [Huco](#) manufacturer:*

Other Similar products are found below :

[AO1026](#) [AO1035](#) [AO1051](#) [AO1059](#) [149118](#) [C20](#) [RS40](#) [RS41](#) [AO1030](#) [AO1032](#) [AO1036](#) [AO1058](#) [4742](#) [KTS288540](#) [00415](#) [00163](#)  
[046450](#) [GPR10](#) [ADPTR-HDV](#) [VS-AVT-C02-L03](#) [VS-AVT-CABLE-04](#) [VS-AVT-CABLE-16](#) [VS-AVT-CABLE-20](#) [VS-AVT-CABLE-30](#)  
[VS-CKP14-6](#) [VS-CKP4-000](#) [VS-AVT2-C02L03](#) [VS-AVT2-C08L10](#) [CKSB1-00](#) [CKSB6-2](#) [CKSB10-8](#) [GP73800080](#) [MPT-VF](#) [98-CAL020](#)  
[LSP08-RTS](#) [1-1437358-1](#) [4408 POMONA](#) [AX-904](#) [DME D110 T1](#) [LMLH 50](#) [1508-POM](#) [00836](#) [85392-12](#) [207P18.2222.F](#) [CR-31](#) [7708](#)  
[ST18/SMAM/SMAM/72](#) [CT2299](#) [C700](#) [34192A](#)