

200
221

COUPLINGS

Universal - Lateral Offset Couplers

201
221



- Backlash free to 100,000,000 cycles
- Up to 10° angular compensation
- Up to .040 radial mis-alignment
- 50% shorter than bellows couplings
- Axial stiff: transmits light push pull loads
- Flex free mechanical action- low bearing loads
- Lower inertia than bellows couplings
- Up to 3,000 volt electrical isolation



						Peak Torque in.lbs.	Static Break in.lbs.	Offset		Torsional		Axial		Moment of Inertia kgm ² x 10 ⁻⁸	Mass lb.
Part Number			L	Bores				Max Ang.	Max Radial	Rate (deg/Nm)	Stiffness (Nm/rad)	Max Load ±ozf	Stiffness (N/mm)		
Set Screw	Clamp	OD		Min	Max										
200 Series															
201.18	---	0.71"	0.56"	3mm	1/4	2.7	8.1	2°	0.20"	2.30	25	68.40	155.00	20	0.015
203.18	---	0.71"	0.75"	3mm	1/4	2.7	8.1	2°	0.20"	2.30	25	68.40	155.00	20	0.015
---	207.18	0.75"	0.75"	3mm	1/4	2.7	8.1	2°	0.20"	2.30	25	68.40	155.00	55	0.024
201.27	---	1.10"	0.75"	3mm	10mm	15.3	45.0	2°	0.20"	0.60	92	111.60	350.00	91	0.035
203.27	---	1.10"	1.00"	3mm	10mm	15.3	45.0	2°	0.20"	0.60	92	111.60	350.00	91	0.035
---	207.27	1.10"	1.00"	3mm	10mm	15.3	45.0	2°	0.20"	0.60	92	111.60	350.00	220	0.057
201.34	---	1.10"	0.99"	6mm	1/2"	22.5	67.5	2°	0.25"	0.40	146	122.40	300.00	165	0.037
203.34	---	1.33"	1.21"	6mm	1/2"	22.5	67.5	2°	0.25"	0.40	146	122.40	300.00	165	0.037
---	205.34	1.33"	1.21"	6mm	1/2"	22.5	67.5	2°	0.25"	0.40	146	122.40	300.00	183	0.044
201.41	---	1.63"	1.12"	6mm	16mm	31.5	94.5	2°	0.25"	0.19	300	140.40	250.00	476	0.666
203.41	---	1.63"	1.50"	6mm	16mm	31.5	94.5	2°	0.25"	0.19	300	140.40	250.00	476	0.066
---	205.41	1.63"	1.50"	6mm	16mm	31.5	94.5	2°	0.25"	0.19	300	140.40	250.00	550	0.088
203.70	---	2.72"	2.91"	12mm	20mm	108.0	612.0	2°	0.25"	0.19	1300	270.00	540.00	7315	0.417
---	205.70	2.72"	2.91"	12mm	20mm	108.0	612.0	2°	0.25"	0.19	1300	270.00	540.00	7315	0.417

SERVICE FACTOR

Duty	Factor
Momentary	1.0
1 hr per day	1.5
3 hrs per day	2.0
6 hrs per day	3.0
12 hrs per day	4.0

Selection

Select a size where Peak Torque exceeds the application torque x service factor

Material

Hubs (Sizes 18 & 27): Brass Alloy

Hubs (all other sizes): Aluminum 2014 T6

Bearing Rings Black Acetal

Temperature

-20°C to +60°C

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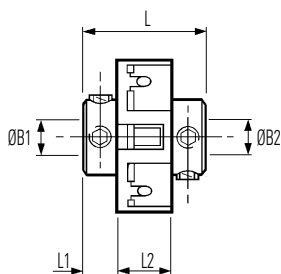
Size 201, 203, & 221



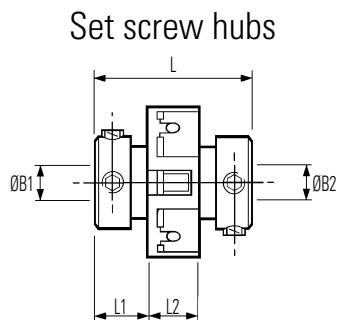
Size 207



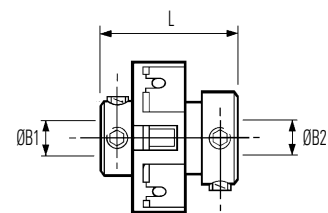
Size 205



Ref. 201
Small bores



Ref. 203
Large bores

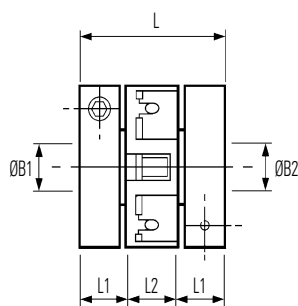


Ref. 221

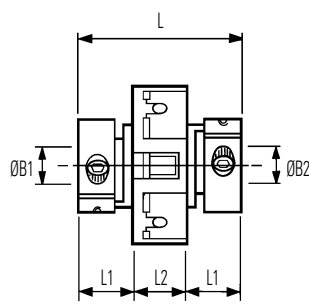
Combines large & small bores.
By specifying ref. 221 you can combine the bores coded for ref. 201 with those coded for ref. 203,

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

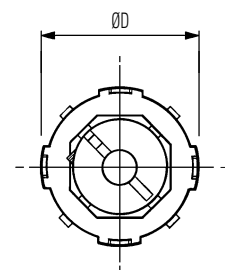
Clamp hubs



Ref. 207
Collet hub & ring clamp



Ref. 205
Integral leaf clamp



Typical

Part Number		OD	L	L1	L2	Screw
Set Screw	Clamp					
201.18	---	0.71"	0.56"	0.18"	0.20"	M3
203.18	---	0.71"	0.75"	0.28"	0.20"	M3
---	207.18	0.75"	0.75"	0.28"	0.20"	#4-40
201.27	---	1.10"	0.75"	0.24"	0.27"	M3
203.27	---	1.10"	1.00"	0.37"	0.27"	M3
---	207.27	1.10"	1.00"	0.37"	0.27"	M3
201.34	---	1.33"	0.99"	0.32"	0.35"	M4
203.34	---	1.33"	1.21"	0.43"	0.35"	M4
---	205.34	1.33"	1.21"	0.43"	0.35"	M2.5
201.41	---	1.63"	1.12"	0.34"	0.44"	M4
203.41	---	1.63"	1.50"	0.53"	0.44"	M5
---	205.41	1.63"	1.50"	0.53"	0.44"	M4
203.70	---	2.72"	2.91"	1.12"	0.67"	M6
---	205.70	2.72"	2.91"	1.12"	0.67"	M6