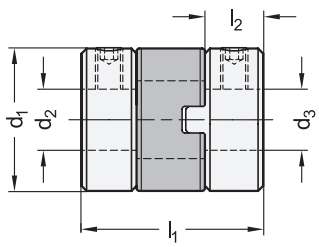
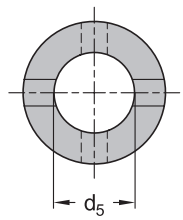
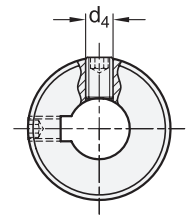


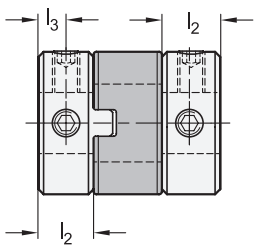
Spacer



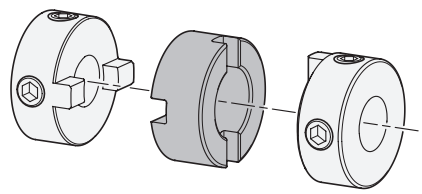


2 Bore code

B Without keyway
K With keyway (from d_1 = 20)



Assembly instruction



1 **3**

d_1	d_2 - d_3 H8 Recommended shaft tolerance h7					
8	2-2	2-3	3-3	-	-	-
12	4-4	4-5	5-5	-	-	-
15	4-4	4-5	4-6	5-5	5-6	6-6
20	6-6	6-8	6-10	8-8	8-10	10-10
30	8-8	8-10	8-12	10-10	10-12	12-12
38	12-12	12-15	12-20	15-15	15-20	20-20

d_1	d_4	d_5	l_1	l_2 Recommended shaft insertion depth	l_3	Tightening torque of the screw in Nm ≈
8	M 2	3,1	9,6	2,5	1,3	0,3
12	M 3	5,2	14,2	3,9	2	0,7
15	M 3	8,2	16	4,4	2,2	0,7
20	M 4	12,2	21,4	5,8	2,9	1,7
30	M 4	16,2	32,5	10	5	1,7
38	M 5	20,3	40	12,1	6,1	4

d_1	Rated torque in Nm*	Max. torque in Nm*	Max. speed (min^{-1})	Moment of inertia in kgm^2	Static torsional stiffness in Nm/rad	Max. shaft misalignment	
						Lateral in mm	Angular in °
8	0,5	1	78.000	$7,4 \times 10^{-9}$	12	0,7	3
12	1	2	52.000	$5,3 \times 10^{-8}$	60	1	3
15	1,6	3,2	42.000	$1,4 \times 10^{-7}$	80	1	3
20	3,2	6,4	31.000	$5,7 \times 10^{-7}$	120	1,2	3
30	15	30	21.000	$5,4 \times 10^{-6}$	530	2	3
38	28	56	16.000	$1,6 \times 10^{-5}$	1500	2,5	3

*Load fluctuations are not taken into account

Specification

	4	5
• Hub Aluminum Anodized, natural color	AL	
• Spacer Plastic (Polyacetal POM) Temperature resistant up to 80 °C		KU
• Grub screws - Steel, blackened - For d_2 / d_3 ≤ 4, one grub screw - For d_2 / d_3 > 4, two grub screws		
• Temperature range: -20 °C up to +80 °C		
• *Keyway P9 DIN 6885 → Page 2078*		
• *ISO Fundamental Tolerances → Page 2151*		
• *Plastic Characteristics → Page 2158*		
• RoHS		

Information

Oldham couplings GN 2243 can compensate for large lateral shaft misalignments while transmitting high torques. As a result, they are used in applications with a focus on pure torque and power transmission associated with high lateral shaft misalignments.

The use of grub screws for clamping and the simple plug-in installation make oldham couplings very easy to assemble. They are suitable for a diverse range of applications and are used in general machine construction in packaging machines and pumps.

With the bore code K, the keyway is always integrated into both bores d_2 and d_3.

see also...

- *Assembly Instructions on Couplings → Page 1694*
- *Technical Information on Couplings → Page 1696*
- *Oldham Couplings GN 2242 (with Clamping Hub) → Page 1684*
- *Elastomer Jaw Couplings GN 2241 (with Grub Screw) → Page 1682*

How to order

GN 2243-38-K15-20-AL-KU

1	d_1
2	Bore code
3	d_2 - d_3
4	Material (Hub)
5	Material (Spacer)