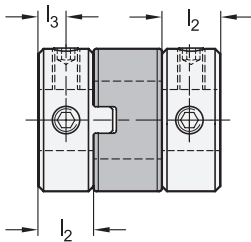
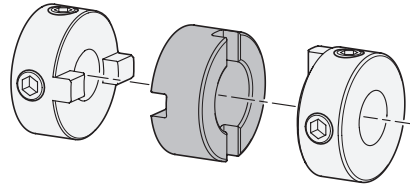


2 Bore code

- 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 \approx
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

- Hub
Aluminum
anodized, natural color **AL**

- Spacer
Technopolymer (Polyacetal POM)
temperature resistant up to 80 °C **KU**

- Grub screws
- Steel, blackened
- for $d_2 / d_3 \leq 4$, one grub screw
- for $d_2 / d_3 > 4$, two grub screws

- Temperature range: -20 °C up to +80 °C

- Keyway P9 DIN 6885
→ Main Catalogue Page 1420

- ISO-Fundamental tolerances
→ Main Catalogue Page 1479

- Plastic characteristics
→ Main Catalogue Page 1483

- RoHS

4 **5**

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 22
- Technical information on couplings → Page 24
- Oldham couplings GN 2242 (with clamping hub) → Page 12
- Elastomer jaw couplings GN 2241 (with grub screw) → Page 10

How to order

1	d₁
2	Bore code
3	d₂ - d₃
4	Material (Hub)
5	Material (Spacer)

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