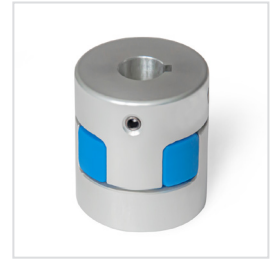


$d_1 = 14...30$

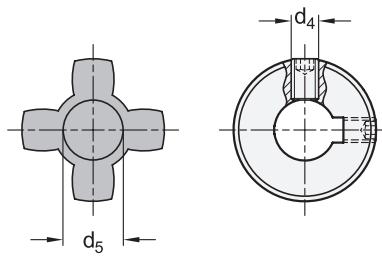
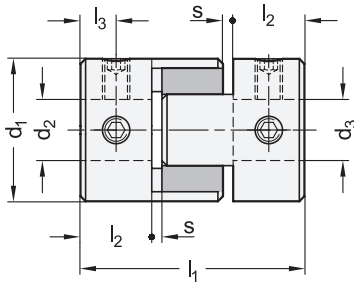
Coupling spider



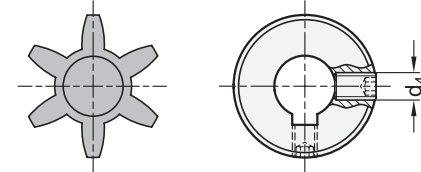
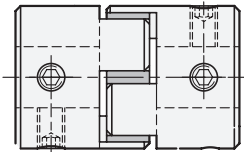
**2 Bore code**

**B** without keyway

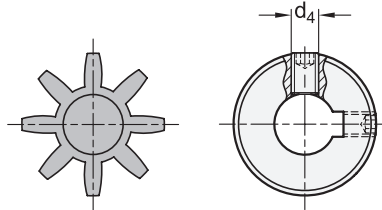
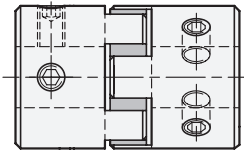
**K** with keyway  
(from  $d_1 = 30$ )



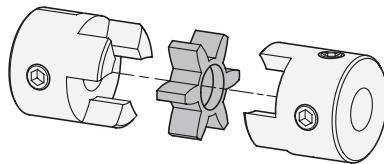
$d_1 = 40$



$d_1 = 55$



**Assembly instruction**



**1**

**3**

$d_1$	$d_2 - d_3$ H8 recommended shaft tolerance h7									
14	3-3	3-4	3-5	3-6	4-4	4-5	4-6	5-5	5-6	6-6
20	5-5	5-6	5-8	6-6	6-8	8-8	-	-	-	-
30	8-8	8-10	8-12	8-14	10-10	10-12	10-14	12-12	12-14	14-14
40	12-12	12-14	12-15	12-16	14-14	14-15	14-16	15-15	15-16	16-16
55	18-18	18-19	18-20	18-25	19-19	19-20	19-25	20-20	20-25	25-25

$d_1$	$d_4$	$l_1$	$l_2$ recommended shaft insertion depth	$l_3$	$s$ recommended installation spacing	Tightening torque of the screw in Nm $\approx$
14	M 3	22	7	3,5	1	0,7
20	M 3	30	10	5	1	0,7
30	M 4	35	11	5,5	1,5	1,7
40	M 5	66	25	8,5	2	4
55	M 6	78	30	10,5	2	7

d <sub>1</sub>	Coupling spider	Shore hardness coupling spider	Rated torque in Nm	Max. torque in Nm	Max. speed (min <sup>-1</sup> )	Moment of inertia in kgm <sup>2</sup>	Static torsional stiffness in Nm/rad	Max. shaft misalignment		
								lateral in mm	axial in mm	angular in °
14	BS	80A	0,7	1,4	45.000	$2,0 \times 10^{-7}$	8	0,15	0,6	1
	WS	92A	1,2	2,4	45.000	$2,0 \times 10^{-7}$	14	0,1	0,6	1
	RS	98A	2	4	45.000	$2,0 \times 10^{-7}$	22	0,1	0,6	1
20	BS	80A	1,8	3,6	31.000	$1,1 \times 10^{-6}$	16	0,2	0,8	1
	WS	92A	3	6	31.000	$1,1 \times 10^{-6}$	29	0,15	0,8	1
	RS	98A	5	10	31.000	$1,1 \times 10^{-6}$	55	0,1	0,8	1
30	BS	80A	4	8	21.000	$6,2 \times 10^{-6}$	46	0,2	1	1
	WS	92A	7,5	15	21.000	$6,2 \times 10^{-6}$	73	0,15	1	1
	RS	98A	12,5	25	21.000	$6,2 \times 10^{-6}$	130	0,1	1	1
40	BS	80A	4,9	9,8	15.000	$3,7 \times 10^{-5}$	380	0,15	1,2	1
	WS	92A	10	20	15.000	$3,7 \times 10^{-5}$	570	0,1	1,2	1
	RS	98A	17	34	15.000	$3,7 \times 10^{-5}$	1200	0,1	1,2	1
55	BS	80A	17	34	11.000	$1,6 \times 10^{-4}$	1400	0,2	1,4	1
	WS	92A	35	70	11.000	$1,6 \times 10^{-4}$	1600	0,15	1,4	1
	RS	98A	60	120	11.000	$1,6 \times 10^{-4}$	2600	0,1	1,4	1

## Specification



- Hub  
Aluminum  
anodized, natural color **AL**
- Coupling spider  
Polyurethane (TPU)  
temperature resistant up to 60 °C  
Hardness  
80 Shore A, blue **BS**  
92 Shore A, white **WS**  
98 Shore A, red **RS**
- 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 +60 °C
- Keyway P9 DIN 6885  
→ Main Catalogue Page 1420
- ISO-Fundamental tolerances  
→ Main Catalogue Page 1479
- Elastomer characteristics  
→ Main Catalogue Page 1483
- RoHS

## Accessory

- Coupling spiders GN 2240.1 → Page 20

## Information

Elastomer jaw couplings GN 2240 can transmit very high torques while compensating for shaft misalignments and runout tolerances. They are preferred in applications where the focus lies on pure torque and power transmission.

The choice of three coupling spiders with different hardness values allows the properties of the coupling to be optimally matched to the specific requirements. The use of grub screws for clamping and the simple plug-in installation make jaw couplings very easy to assemble.

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
- *Elastomer jaw couplings GN 2240 (with clamping hub)* → Page 8
- *Oldham couplings GN 2243 (with grub screw)* → Page 14

### How to order

1	d <sub>1</sub>
2	Bore code
3	d <sub>2</sub> - d <sub>3</sub>
4	Material
5	Hardness


  
**GN 2241-30-B10-10-AL-BS**