

$d_1 = 14...30$

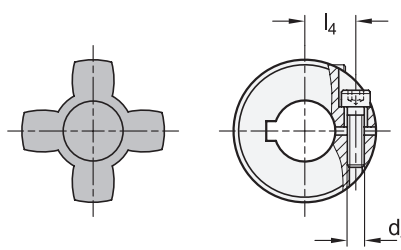
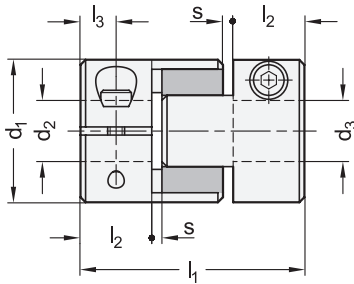
Coupling spider



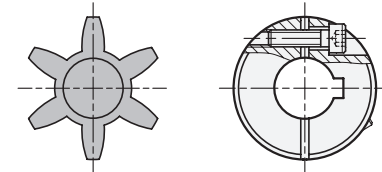
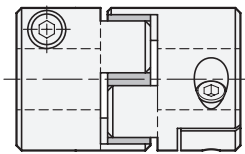
**2 Bore code**

**B** without keyway

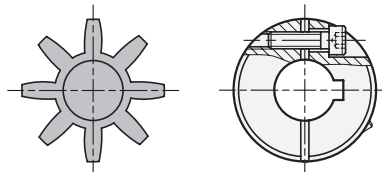
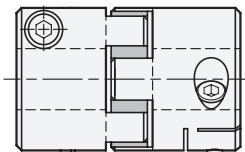
**K** with keyway  
(from  $d_1 = 30$ )



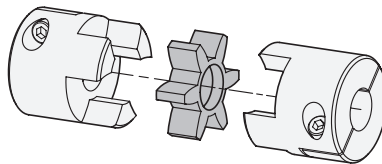
$d_1 = 40$



$d_1 = 55$



**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	$l_3$	$l_4$	$s$ recommended installation spacing
14	M 2 / M 1,6*	22	7	3,5	4 / 5*	1
20	M 2,5	30	10	5	6,5	1
30	M 4 / M 3**	35	11	5,5	10 / 11**	1,5
40	M 5	66	25	8,5	14	2
55	M 6	78	30	10,5	20	2

\* for bore  $d_2 / d_3 = 6$  \*\* for bore  $d_2 / d_3 = 14$

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 x 10 <sup>-7</sup>	8	0,15	0,6	1
	WS	92A	1,2	2,4	45.000	2,0 x 10 <sup>-7</sup>	14	0,1	0,6	1
	RS	98A	2	4	45.000	2,0 x 10 <sup>-7</sup>	22	0,1	0,6	1
20	BS	80A	1,8	3,6	31.000	1,1 x 10 <sup>-6</sup>	16	0,2	0,8	1
	WS	92A	3	6	31.000	1,1 x 10 <sup>-6</sup>	29	0,15	0,8	1
	RS	98A	5	10	31.000	1,1 x 10 <sup>-6</sup>	55	0,1	0,8	1
30	BS	80A	4	8	21.000	6,2 x 10 <sup>-6</sup>	46	0,2	1	1
	WS	92A	7,5	15	21.000	6,2 x 10 <sup>-6</sup>	73	0,15	1	1
	RS	98A	12,5	25	21.000	6,2 x 10 <sup>-6</sup>	130	0,1	1	1
40	BS	80A	4,9	9,8	15.000	3,7 x 10 <sup>-5</sup>	380	0,15	1,2	1
	WS	92A	10	20	15.000	3,7 x 10 <sup>-5</sup>	570	0,1	1,2	1
	RS	98A	17	34	15.000	3,7 x 10 <sup>-5</sup>	1200	0,1	1,2	1
55	BS	80A	17	34	11.000	1,6 x 10 <sup>-4</sup>	1400	0,2	1,4	1
	WS	92A	35	70	11.000	1,6 x 10 <sup>-4</sup>	1600	0,15	1,4	1
	RS	98A	60	120	11.000	1,6 x 10 <sup>-4</sup>	2600	0,1	1,4	1

## Specification



- Hub  
Aluminum **AL**  
anodized, natural color
- 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**
- Socket cap screws DIN 912  
Steel, blackened
- 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 clamping hubs and 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<sub>2</sub> and d<sub>3</sub>.

see also...

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

### 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 2240-40-B12-16-AL-RS**