

## Main features

Eltra accurate elastic couplings are essential parts for the transmission of rotary motion to the encoder shaft. Couplings are aluminium alloy made and are composed by a cylindrical body on which there is a helical groove that determines:

- Torsional rigidity
- Ability to compensate for slight shaft misalignments
- Ability to absorb small axial shifts of the shaft

Eltra elastic couplings have also a perfect balancing of the rotating body. They don't have critical points subject to breaking and they are completely frictionless. Moreover they perfectly transmit the rotary motion, even in case of axial misalignment. Our couplings do not require any type of maintenance.

The internal drain allows the coupling between the shafts with distances from a minimum of 0.5 mm to a maximum of 6.12 mm (see "F" quota).

Elastic coupling can be supplied with different coupling diameters. E.G.: d1 = 8 mm, d2 = 10 mm. In this case the ordering code should be: G25A8/10.

## Ordering code

G 25 A 6 / 8

accurate elastic coupling	<b>G</b>
<b>Coupling size</b> (see table)	<b>25</b>
<b>Shaft fixing type</b> shaft fixing with grub screw	<b>A</b>
<b>Hole diameter "d1"</b>	
∅ 6 mm	<b>6</b>
∅ 8 mm	<b>8</b>
∅ 9.52 mm (3/8")	<b>9</b>
∅ 10 mm	<b>10</b>
<b>Hole diameter "d2"</b>	
∅ 6 mm	<b>6</b>
∅ 8 mm	<b>8</b>
∅ 9.52 mm (3/8")	<b>9</b>
∅ 10 mm	<b>10</b>

don't indicate if d1 is equal to d2

## Standard couplings

Type of material:  
aluminium UNI 9002/5

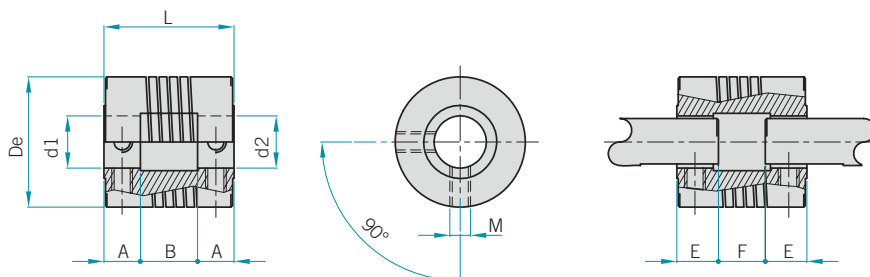
For custom holes (d1-d2)  
please contact our offices.



Ordering code	∅ De (mm)	L (mm)	∅ d1 = d2 (mm)	A (mm)	B (mm)	M (mm)	E (mm)	F (mm)	Torque (Nm)
<b>G 13 A 4</b>	13.7	22 <sup>+0.1</sup> <sub>-0.1</sub>	4 H7 <sup>+0.012</sup> <sub>0</sub>	6	8	M3	7	6	0.25
<b>G 20 A 6</b>	20	20 <sup>+0.1</sup> <sub>-0.1</sub>	6 H7 <sup>+0.012</sup> <sub>0</sub>	6	8	M3	8	6	0.25
<b>G 25 A 8</b>	25	25 <sup>+0.1</sup> <sub>-0.1</sub>	8 H7 <sup>+0.015</sup> <sub>0</sub>	7	11	M4	8	9	0.4
<b>G 25 A 9</b>	25	25 <sup>+0.1</sup> <sub>-0.1</sub>	9.52 H7 <sup>+0.015</sup> <sub>0</sub>	7	11	M4	8	9	0.4
<b>G 25 A 10</b>	25	25 <sup>+0.1</sup> <sub>-0.1</sub>	10 H7 <sup>+0.015</sup> <sub>0</sub>	7	11	M4	8	9	0.4
<b>G 30 A 10</b>	25	30 <sup>+0.1</sup> <sub>-0.1</sub>	10 H7 <sup>+0.015</sup> <sub>0</sub>	8	14	M4	9	12	0.4

For a proper installation it is recommended to insert shafts in the coupling observing "E" quota.

## Mechanical dimensions



## Special couplings



Ordering code	$\varnothing$ De (mm)	L (mm)	$\varnothing$ d1 = d2 (mm)	M	E (mm)	Torque (Nm)
GS 02 A 6	19.1	22 $^{+0.1}_{-0.1}$	6 H7 $^{+0.012}_{-0}$	M3	6.3	0.9
GS 10 A 8	19.1	22 $^{+0.1}_{-0.1}$	8 H7 $^{+0.015}_{-0}$	M3	6.3	0.9
GS 16 A 10	19.1	22 $^{+0.1}_{-0.1}$	10 H7 $^{+0.015}_{-0}$	M3	6.3	0.9
GS 32 A 6	19.1	28 $^{+0.1}_{-0.1}$	6 H7 $^{+0.012}_{-0}$	M3	8	0.35
GS 01 A 8	19.1	28 $^{+0.1}_{-0.1}$	8 H7 $^{+0.015}_{-0}$	M3	8	0.35
GS 11 A 10	19.1	28 $^{+0.1}_{-0.1}$	10 H7 $^{+0.015}_{-0}$	M3	8	0.35
GS 15 A 10	19.1	47 $^{+0.1}_{-0.1}$	10 H7 $^{+0.015}_{-0}$	M4	12.6	1.4
GS 23 A 12	19.1	47 $^{+0.1}_{-0.1}$	12 H7 $^{+0.018}_{-0}$	M4	12.6	1.4
GS 29 A 6	25	32 $^{+0.1}_{-0.1}$	6 H7 $^{+0.012}_{-0}$	M3	10	3
GS 24 A 8	25	32 $^{+0.1}_{-0.1}$	8 H7 $^{+0.015}_{-0}$	M3	10	3
GS 25 A 10	25	32 $^{+0.1}_{-0.1}$	10 H7 $^{+0.015}_{-0}$	M3	10	3

For a proper installation it is recommended to insert shafts in the coupling observing "E" quota.

Eltra also manufactures a special coupling series designed specifically for critical and heavy uses. Some special couplings available on stock are listed in the table above. Different couplings are available on demand.

## Mechanical dimensions

