Double Loop Couplings

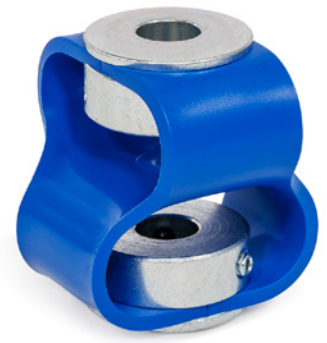
Steel / Stainless Steel, with Grub Screw

SPECIFICATION

Bore code
- Type **B**: Without keyway

Steel ST
- Zinc plated, blue passivated
- Loop
  Thermoplastic elastomer (TPE) **S**
  - Operating temperature -30 °C to +80 °C
  - Blue
  - Hardness 55 Shore D
- Grub screws DIN 916
  Steel, zinc plated

Stainless steel AISI 316L A4
- Plain finish
- Loop
  Thermoplastic elastomer (TPE),
  FDA compliant material **F**
  - Operating temperature -30 °C to +80 °C
  - Blue
  - Hardness 50 Shore D
- Grub screws DIN 916
  Stainless steel

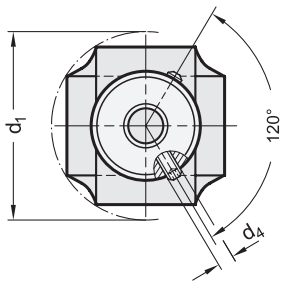


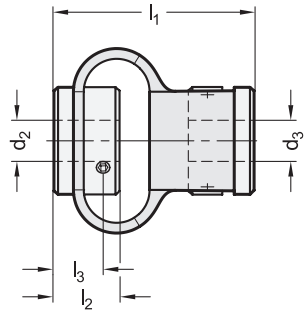
INFORMATION

Double loop couplings GN 2250 connect shafts and compensate for axial, radial and angular misalignments. The special design has a shock and vibration damping effect, insulates connected shafts thermally and electrically and ensures very smooth running.
The AISI 316L stainless steel version is particularly suitable for applications in highly corrosive environments and, due to the FDA compliant material of the double loops, also in food areas.

TECHNICAL INFORMATION

- Overview of Couplings (see page)
- General Information for Couplings (see page)
- ISO-Fundamental Tolerances (see page A21)
- Plastic Characteristics (see page A2)
- Stainless Steel Characteristics (see page A26)





GN 2250-ST

Description	d_1 ±1	d_2 - d_3 H8 Recommended shaft tolerance h7	d_4	l_1 ±2	l_2	l_3	Max. torque in Nm	Max. rotational speed (min^{-1})	Moment of inertia in kgm^2	Static torsional stiffness in Nm/rad	Spring rate in N/mm	Max. shaft misalignment Radial in mm	Max. shaft misalignment Axial in mm	Max. shaft misalignment Angular in °	Max. tightening torque of the grub screws in Nm	⚖
GN 2250-29-B6-6-ST-S	29	6-6	M 3	29	9	2.5	0.5	3000	41×10^{-6}	13	13	± 2	± 2	± 10	1	32
GN 2250-48-B10-10-ST-S	48	10-10	M 4	46	13	9	2	3000	160×10^{-5}	28	7	± 3	± 4	± 12	1	84

GN 2250-A4

STAINLESS STEEL

Description	d_1 ±1	d_2 - d_3 H8 Recommended shaft tolerance h7	d_4	l_1 ±2	l_2	l_3	Max. torque in Nm	Max. rotational speed (min^{-1})	Moment of inertia in kgm^2	Static torsional stiffness in Nm/rad	Spring rate in N/mm	Max. shaft misalignment Radial in mm	Max. shaft misalignment Axial in mm	Max. shaft misalignment Angular in °	Max. tightening torque of the grub screws in Nm	⚖
GN 2250-29-B6-6-A4-F	29	6-6	M 3	29	9	2.5	0.5	3000	41×10^{-6}	13	13	± 2	± 2	± 10	0.8	26
GN 2250-48-B10-10-A4-F	48	10-10	M 4	46	13	9	2	3000	160×10^{-5}	28	7	± 3	± 4	± 12	1.8	89