



SS

Stainless Steel

3

Type

C With threaded stud

Metric table

<div>1</div> <div>d_1</div> <div>H9/h9</div>	<div>2</div> <div>d_2</div>	d_3	d_4	d_5	$l_1 \pm 0.3$	$l_2 \pm 0.3$	$l_3 \pm 0.3$	t min.	A/F	Min. pull-off force
8 0.31	M 5	M 5	8 0.31	12.8 0.50	10.2 0.40	22 0.87	9 0.35	10 0.39	7 0.28	30 N 6.74 lbf
10 0.39	M 6	M 6	10 0.39	14.8 0.58	12.5 0.49	25 0.98	11 0.43	11 0.43	8 0.31	40 N 8.99 lbf
13 0.51	M 8	M 8	13 0.51	19.3 0.76	16.5 0.65	30 1.18	13 0.51	14 0.55	11 0.43	60 N 13.49 lbf
16 0.63	M 10	M 10	16 0.63	24 0.94	20 0.79	35 1.38	16 0.63	15 0.59	13 0.51	80 N 17.98 lbf
19 0.75	M 14F = M 14 x 1.5	M 14F = M 14 x 1.5	22 0.87	30 1.18	28 1.10	45 1.77	20 0.79	21 0.83	16 0.63	100 N 22.48 lbf

Specification

4

Ball socket / Ball shank

• Steel

- Property class 4.6

- Zinc plated, colorless passivated finish

- Ball shank hardened

• Stainless steel AISI 304

Plain finish

• Ball seat greased

ST

NI

Hex nut DIN 934

• Steel, zinc plated, colorless passivated finish for ST

• Stainless steel for NI

RoHS

Axial ball joints GN 71802.1 are used in linear drives and lifting systems, for example, to transmit compressive forces in the axial direction, thereby compensating for angular offsets. They consist of a ball shank DIN 71803 and an axial ball socket.

A snap ring holds the axial ball joint together under tension up to the specified minimum pull-off force. This force must be overcome for assembly and disassembly.

To protect the axial ball joints from dirt and to keep lubricating grease in the joint, dust caps GN 710 are available as an accessory. The hex nut is included in the scope of delivery.

see also...

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DIN 71802 Threaded Ball Joint Linkages (Steel, with Threaded Stud)

QVX

DIN 71802 Threaded Ball Joints Linkaged (Steel, with Rivet Ball Shank)

QVX

DIN 71802 Threaded Ball Joint Linkages (Stainless Steel, with Threaded Stud)

QVX

Technical Information

ISO Fundamental Tolerances

Stainless Steel Characteristics

QVX

QVX

Accessory

GN 710 Dust Caps

QVX

How to order

1

2

3

4

GN 71802.1-13-M8-C-ST

Diameter d_1

Thread d_2

Type

Material