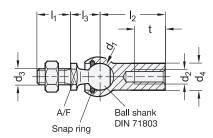
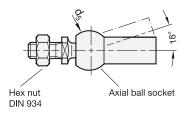
# **Axial Ball Joints**

Steel / Stainless Steel, with Threaded Stud







#### Metric



3.2





C With threaded stud

## Metric table

V	Dimensions in: millimeters / inches									
<b>d<sub>1</sub></b> H9/h9	$d_2$	d <sub>3</sub>	d <sub>4</sub>	<b>d</b> <sub>5</sub>	l <sub>1</sub> ±0.3	<b>l</b> <sub>2</sub> ±0.3	<b>l</b> <sub>3</sub> ±0.3	t min.	A/F	Min. pull-off force
8 0.31	M 5	M 5	<b>8</b> 0.31	12.8 0.50	10.2 0.40	22 0.87	9 0.35	10 0.39	<b>7</b> 0.28	<b>30 N</b> 6.74 lbf
<b>10</b> 0.39	M 6	M 6	10 0.39	14.8 0.58	<b>12.5</b> 0.49	<b>25</b> 0.98	<b>11</b> 0.43	<b>11</b> 0.43	8 0.31	40 N 8.99 lbf
<b>13</b> 0.51	M 8	M 8	<b>13</b> 0.51	19.3 0.76	16.5 0.65	<b>30</b> 1.18	13 0.51	14 0.55	<b>11</b> 0.43	<b>60 N</b> 13.49 lbf
16 0.63	M 10	M 10	16 0.63	<b>24</b> 0.94	<b>20</b> 0.79	<b>35</b> 1.38	<b>16</b> 0.63	15 0.59	13 0.51	<b>80 N</b> 17.98 lbf
<b>19</b>	M 14F = M 14 x 1.5	M 14F = M 14 x 1.5	22 0.87	30	28	45 1.77	20	21 0.83	16	100 N 22 48 lbf

#### Specification



## Ball socket / Ball shank Steel

- Property class 4.6
- Zinc plated, colorless passivated finish - Ball shank hardened
- Stainless steel AISI 304 ΝI Plain finish
- · Ball seat greased

## 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	Page
DIN 71802 Threaded Ball Joint Linkages (Steel, with Threaded Stud)	QVX
DIN 71802 Threaded Ball Joints Linkaged (Steel, with Rivet Ball Shank)	QVX
<b>DIN 71802</b> Threaded Ball Joint Linkages (Stainless Steel, with Threaded Stud)	QVX

#### **Technical Information**

ISO Fundamental Tolerances	QVX
Stainless Steel Characteristics	QVX

#### Accessory

QVX

How to order		Diameter d <sub>1</sub>
		Thread d <sub>2</sub>
1 2 3 4	3	Туре
GN 71802.1-13-M8-C-ST	4	Material

Sã