



SS Stainless Steel

3 Type

- CN** With threaded stud, without safety catch
- CSN** With threaded stud, with safety catch

Metric table

Dimensions in: millimeters - inches

1 d ₁ H9/h9	2		d ₃ Thread	d ₅	d ₆	l ₁	l ₃	l ₄	t min.	A/F	Min. pull-off force
	Right hand thread	Left hand thread									
8 0.31	M 5	M 5L	M 5	8 0.31	12.8 0.50	10 0.39	8.5 0.33	22 0.87	10.5 0.41	7	30 N 6.74 lbf
10 0.39	M 6	M 6L	M 6	10 0.39	14.8 0.58	12.5 0.49	10.5 0.41	25 0.98	11.5 0.45	8	40 N 8.99 lbf
13 0.51	M 8	M 8L	M 8	13 0.51	19.3 0.76	16.5 0.65	12 0.47	30 1.18	14 0.55	11	60 N 13.49 lbf
16 0.63	M 10	M 10L	M 10	16 0.63	24 0.94	20 0.79	15 0.59	35 1.38	15.5 0.61	13	80 N 17.98 lbf
16 0.63	M 12	M 12L	M 12	16 0.63	24 0.94	20 0.79	15 0.59	35 1.38	15.5 0.61	13	80 N 17.98 lbf
19 0.75	M 14F (≅M 14 x 1.5)	M 14FL (≅M 14 x 1.5L)	M 14 x 1.5	22 0.87	30 1.18	28 1.10	19.5 0.77	45 1.77	21.5 0.85	16	100 N 22.48 lbf

Specification

- Housing and threaded stud
Stainless steel AISI 303
- Ball
Stainless steel
- Not hardened
- Ball socket lubricated
- *ISO Fundamental Tolerances* → page 2129
- *Stainless Steel Characteristics* → page 2143
- **RoHS compliant**

Accessory

- Dust Caps GN 710 → page 1753

On request

- Reduced resistance (ball socket with play)
- Ball studs DIN 71803
- Ball sockets DIN 71805
- Ball joints
(ball socket and ball stud in one axis)

Information

DIN 71802 threaded ball joint linkages consist of a DIN 71805 ball socket and a DIN 71803 ball stud. The swivel angle for the type with safety catch (type CSN) is 15°, without safety catch (type CN) it is 18°. During assembly, the ball socket is pushed over the snap ring, which acts as a retainer. If the retaining force (see also pull-off force in the table above) is not sufficient, the connection of ball socket / ball stud can be secured by the safety catch, which can easily be fitted.

To protect the threaded ball joint linkages against contamination, GN 710 dust caps can be used.

The hex nut is part of the threaded ball joint linkages.

see also...

- *Angled Ball Joints DIN 71802 (Steel, zinc plated)* → page 1751

How to order

DIN 71802-10-M6L-CN

1	Diameter d ₁
2	Thread d ₂
3	Type