

- 4 Type**
- CS** With threaded ball shank, with safety catch
 - C** With threaded ball shank, without safety catch
 - BS** With rivet ball shank, with safety catch
 - B** With rivet ball shank, without safety catch

1 d ₁ H9/h9	2 d ₂	Left hand thread	3 l ₂	d ₃	d ₄ h11	d ₅	d ₆	l ₁	l ₃	l ₄	t Min.	A/F	Min. pull-off force in N	
8	M 5	M 5L	4	7,5	M 5	5	8	12,8	10	8,5	22	10,5	7	30
10	M 6	M 6L	4,5	8	M 6	6	10	14,8	12,5	10,5	25	11,5	8	40
13	M 8	M 8L	5	10	M 8	8	13	19,3	16,5	12	30	14	11	60
16	M 10	M 10L	6	13	M 10	10	16	24	20	15	35	15,5	13	80
16	M 12	M 12L	6	13	M 12	10	16	24	20	15	35	15,5	13	80
19	M 14F (≅M 14 x 1,5)	M 14FL (≅M 14 x 1,5L)	12	18	M 14F (≅M 14 x 1,5)	14	22	30	28	19,5	45	21,5	16	100

Specification

- Steel
 - Property class 5
 - Zinc plated, colorless passivated
- Ball Steel
 - Hardened
 - Ball seat lubricated
- ISO Fundamental Tolerances → Page 2151
- RoHS

Accessory

- Dust Caps GN 710 → Page 1671

On request

- Smooth specification (Ball seat with play)
- Ball studs DIN 71803
- Ball sockets DIN 71805
- Axial joints (ball socket and ball shank in one axis)

Information

Angled ball joints DIN 71802 consist of a ball socket DIN 71805 and a ball shank DIN 71803.

The angle of rotation for the type with safety catch (Type CS, BS) is 15°, without safety catch (Type C, B) is 18°.

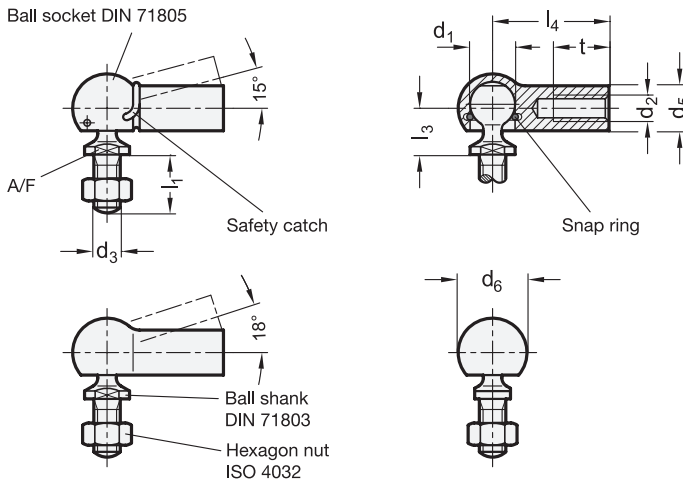
For assembly the ball is pushed through the circlip which acts as a retainer. Should the retaining force (see pull-off force in the table above) between ball and socket not be sufficient, this can be increased by adding a safety catch, which can easily be fitted.

To protect the angled ball point, a dust cap GN 710 can be added.

The hexagon nut is part of the angled ball joints with threaded stud.

How to order (With threaded ball shank)	1 d ₁
	2 d ₂
DIN 71802-19-M14FL-CS	4 Type

How to order (With rivet ball shank)	1 d ₁
	2 d ₂
	3 l ₂
DIN 71802-13-M8-10-B	4 Type



- 3 Type**
- CSN** With threaded ball shank, with safety catch
 - CN** With threaded ball shank, without safety catch

1 2

d ₁ H9/h9	d ₂	Left hand thread	d ₃	d ₅	l ₁	l ₃	l ₄	d ₆	t Min.	A/F	Min. pull-off force in N
8	M 5	M 5L	M 5	8	10	8,5	22	12,8	10,5	7	30
10	M 6	M 6L	M 6	10	12,5	10,5	25	14,8	11,5	8	40
13	M 8	M 8L	M 8	13	16,5	12	30	19,3	14	11	60
16	M 10	M 10L	M 10	16	20	15	35	24	15,5	13	80
16	M 12	M 12L	M 12	16	20	15	35	24	15,5	13	80
19	M 14F (≅M 14 x 1,5)	M 14FL (≅M 14 x 1,5L)	M 14F (≅M 14 x 1,5)	22	28	19,5	45	30	21,5	16	100

Specification

- Stainless steel AISI 303
- Ball
Stainless steel
- Not hardened
- Ball seat greased
- *ISO Fundamental Tolerances* → Page 2151
- *Stainless Steel Characteristics* → Page 2166
- **RoHS**

Accessory

- Dust Caps GN 710 → Page 1671

On request

- Smooth specification (Ball seat with play)
- Ball studs DIN 71803
- Ball sockets DIN 71805
- Axial joints (ball socket and ball shank in one axis)

Information

Stainless steel angled ball joints DIN 71802 and a ball shank DIN 71803.

The angle of rotation for the type with safety catch (Type CSN) is 15°, without safety catch (Type CN) is 18°.

For assembly the ball ist pushed through the circlip which acts as a retainer. Should the retaining force (see pull-off force in the table above) between ball and socket not be sufficient, this can be increased by adding a safety catch, which can easily be fitted.

To protect the angled ball point, a dust cap GN 710 can be added.

The hexagon nut is part of the angled ball joints.

How to order

DIN 71802-10-M6L-CN

- 1** d₁
- 2** d₂
- 3** Type

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9