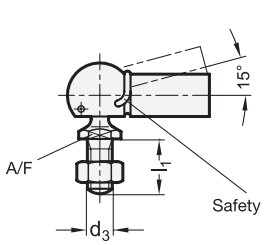
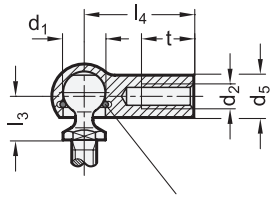
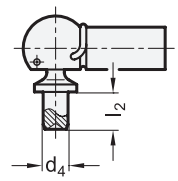
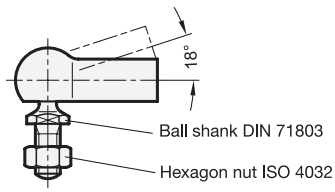
Angled ball joints

with threaded ball and rivet ball shanks

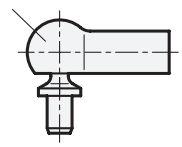








Ball socket DIN 71805



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	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	10	8,5	22	10,5	7	30
10	M 6	M 6L	4,5	8	M 6	6	10	12,5	10,5	25	11,5	8	40
13	M 8	M 8L	5	10	M 8	8	13	16,5	12	30	14	11	60
16	M 10	M 10L	6	13	M 10	10	16	20	15	35	15,5	13	80
16	M 12	M 12L	6	13	M 12	10	16	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	28	19,5	45	21,5	16	100

Specification

- Steel
  - Tensile strength class 5 (500 N/mm²)
  - zinc plated, colourless passivated
- Ball
  Steel
  - hardened
  - ball seat lubricated
- *ISO-Fundamental tolerances → Page 1132*
- RoHS compliant

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 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.

Dust caps GN 710 → *Page 960* have to be ordered seperately.

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

1	d_1
2	d_2
4	Type

How to order (with rivet ball shank)
1 2 3 4
DIN 71802-13-M8-10-B

1	d_1
2	d_2
3	l_2
4	Type