



Type **CS** with threaded ball shank, with safety catch
Type **C** with threaded ball shank, without safety catch

Type **BS** with rivet ball shank, with safety catch
Type **B** with rivet ball shank, without safety catch

d ₁ H9/h9	d ₂	Left hand thread	l ₂	d ₃	d ₄ h11	d ₅	l ₁	l ₃	l ₄	t min.	A/F	min. pull-off force [N]
8	M 5	M 5 L	4	7,5	M 5	5	8	9	22	10,5	7	30
10	M 6	M 6 L	4,5	8	M 6	6	10	12,5	25	11,5	8	40
13	M 8	M 8 L	5	10	M 8	8	13	16,5	30	14	11	60
16	M 10	M 10 L	6	13	M 10	10	16	16	35	15,5	13	80
16	M 12	M 12 L	6	13	M 12	10	16	16	35	15,5	13	80
19	M 14 F = M 14×1,5	M 14 FL = M 14×1,5 L	12	18	M 14×1,5	14	22	20	45	21,5	16	100

Specification

Steel
Ball hardened
Ball lubricated
zinc plated,
colourless passivated
ISO-Fundamental
Tolerances

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Information

Angled ball joints DIN 71802 (photo page 788) consist of a ball socket DIN 71805 and a ball shank DIN 71803.

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

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

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

On request:
Angled ball joints with reduced resistance (ball socket with play)
Ball studs DIN 71803
Ball sockets DIN 71805

Dust caps GN 710

How to order

Angled ball joints with threaded ball shank DIN 71802-19-M14FL-CS

Code No.	d ₁	d ₂	Type

Angled ball joints with rivet ball shank DIN 71802-13-M8-10-B

Code No.	d ₁	d ₂	l ₂	Type

The hexagon nut is part of the angled ball joints.

Dust caps GN 710 have to be ordered separately.

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