



Clevis Joints

Stocked to DIN 71752 in steel and stainless steel. Plain clevis joints or clevis joints and pin assemblies available in right and left hand threads zinc plated steel and stainless steel.

Sizes Steel from M4 up to M48, stainless from M4 up to M27.



Pages 16 - 38

Male Clevis Joints

Stocked in zinc plated steel and stainless steel, right and left hand threads.

Sizes M6 up to M20.

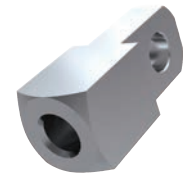


Pages 40 - 43

Clevis Mating Pieces

These are designed to fit in between our clevis joints to create a linkage where an angular offset is required. Available in zinc plated steel and stainless steel.

Sizes M4 up to M20.



Pages 44 - 47

Clevis Retention Clips

These are the most popular type of clip used with our clevis joints. They create a neat compact assembly, only available in zinc plated steel.

Sizes Available for clevis joints from 4mm up to 20mm.



Pages 49- 50

Clevis Pins and Clips

Various styles of pins and clips to suit clevis joints in zinc plated steel and stainless steel.

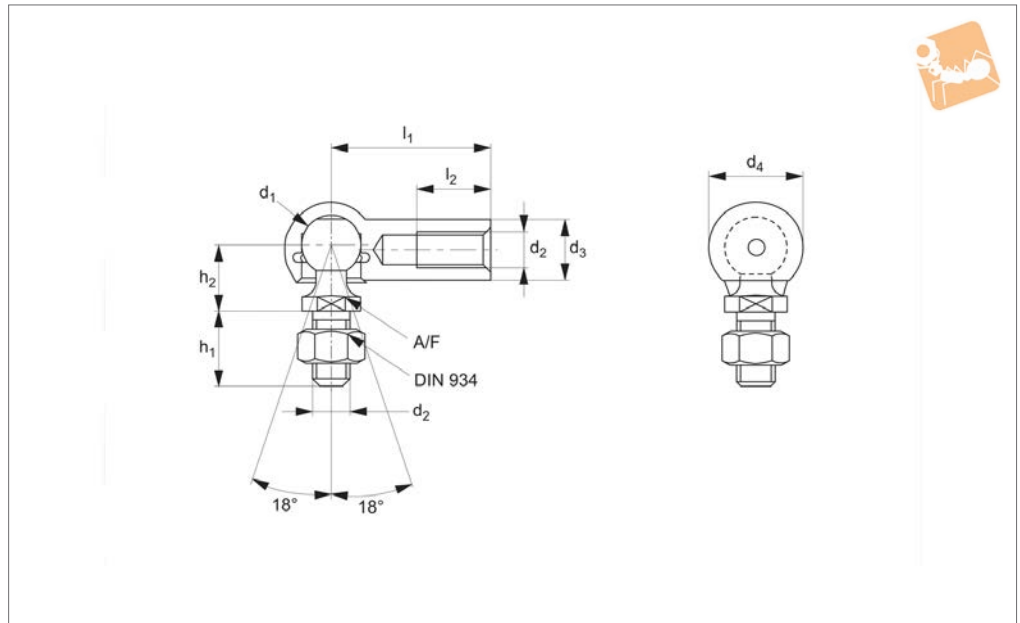
Sizes Available to suit all sizes of clevis joints we offer.



Pages 51 - 62



R3460



Material

Steel, silver zinc plated, ball stud: minimum tensile strength $R_m=600N/mm^2$.
Housing: minimum tensile strength $R_m=500N/mm^2$.

hexagon nut.

Safety ring aids the retention of the ball stud in the housing.

*M14x1,5 is a fine pitch thread.

Important Notes

Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Technical Notes

To DIN 71802 form CS, supplied with

Tips

For sealing cap version, see R3470.

Standard thread is right hand, (for left hand thread see R3461).

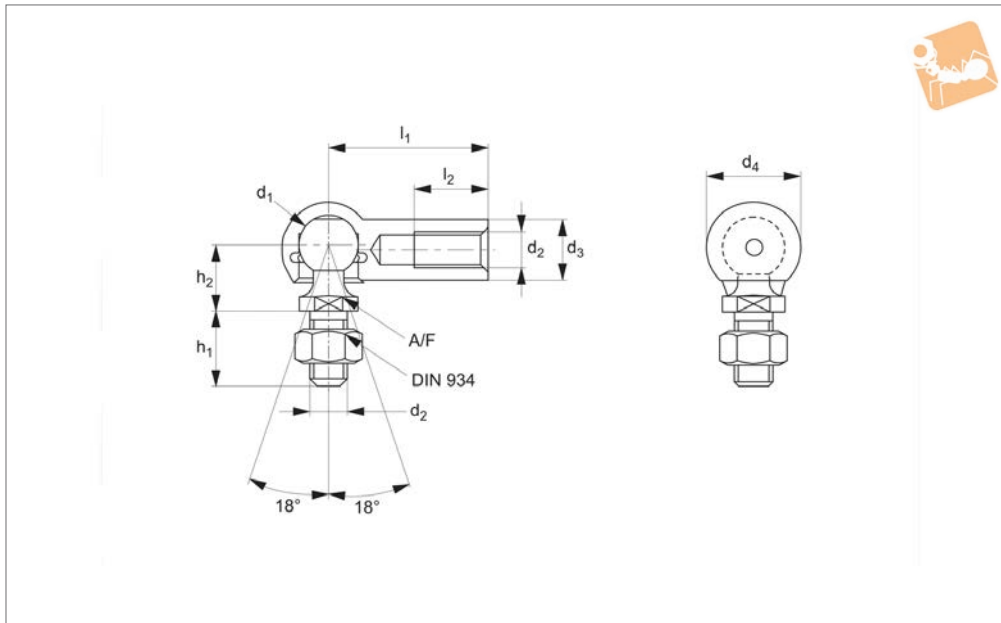
Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃	d ₄	h ₁ ±0.3	Weight g
R3460.R005	Right	8	22	M 5	8	12.8	10.2	15.2
R3460.R006	Right	10	25	M 6	10	14.8	12.5	25.2
R3460.R008	Right	13	30	M 8	13	19.3	16.5	53.1
R3460.R010	Right	16	35	M10	16	24.0	20.0	103.8
R3460.R012	Right	16	35	M12	16	24.0	20.0	103.8
R3460.R014	Right	19	45	M14x1,5*	22	30.0	28.0	220.9
R3460.R015	Right	19	45	M14	22	30.0	28.0	220.9
R3460.R016	Right	19	45	M16	22	30.0	28.0	220.9

Order No.	h ₂ ±0.3	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3460.R005	9	10.2	7	3	50	20	3
R3460.R006	11	11.5	8	4	100	40	4
R3460.R008	13	14.0	11	6	200	80	6
R3460.R010	16	15.5	13	8	400	160	8
R3460.R012	16	15.5	13	8	400	160	8
R3460.R014	22	21.5	16	10	800	320	10
R3460.R015	22	21.5	16	10	800	320	10
R3460.R016	22	21.5	16	10	800	320	10

Ball and Socket Joints

left hand thread

Ball & Socket Joints



R3461

BALL & SOCKET JOINTS

Material

Steel, silver zinc plated, ball stud: minimum tensile strength $R_m=600N/mm^2$.
Housing: minimum tensile strength $R_m=500N/mm^2$.

hexagon nut.

Safety ring aids the retention of the ball stud in the housing.

*M14x1,5 is a fine pitch thread.

Important Notes

Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Technical Notes

To DIN 71802 form CS, supplied with

Tips

Stud: right hand thread.

Housing: left hand thread.

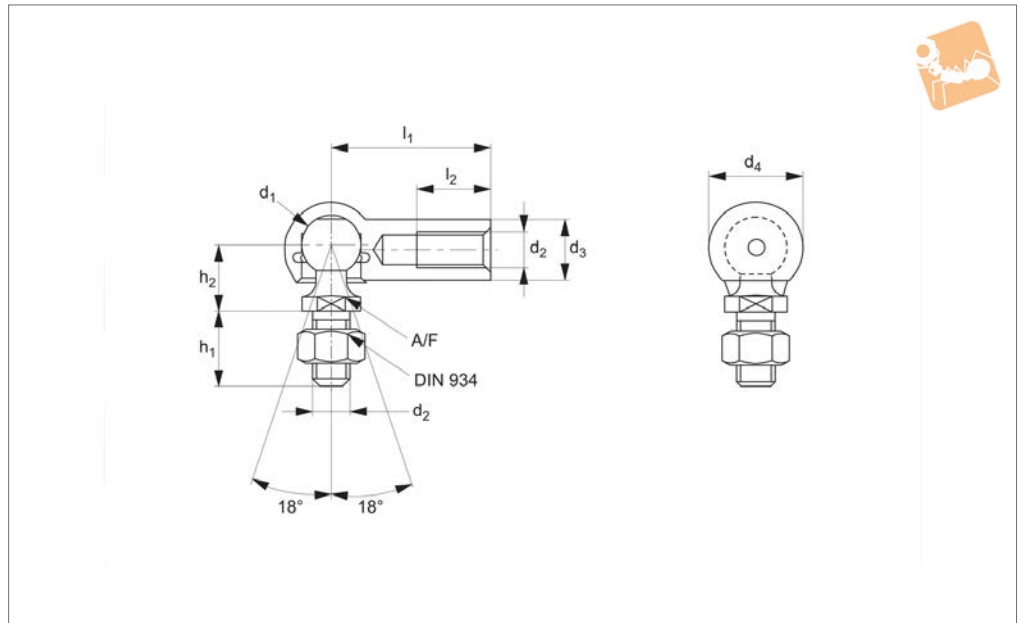
For sealing cap version, see R3471.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃	d ₄	h ₁ ±0.3	Weight g
R3461.L005	Left	8	22	M 5	8	12.8	10.2	15.2
R3461.L006	Left	10	25	M 6	10	14.8	12.5	25.2
R3461.L008	Left	13	30	M 8	13	19.3	16.5	53.1
R3461.L010	Left	16	35	M10	16	24.0	20.0	103.8
R3461.L012	Left	16	35	M12	16	24.0	20.0	103.8
R3461.L014	Left	19	45	M14x1,5*	22	30.0	28.0	220.9
R3461.L015	Left	19	45	M14	22	30.0	28.0	220.9
R3461.L016	Left	19	45	M16	22	30.0	28.0	220.9

Order No.	h ₂ ±0.3	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3461.L005	9	10.2	7	3	50	20	3
R3461.L006	11	11.5	8	4	100	40	4
R3461.L008	13	14.0	11	6	200	80	6
R3461.L010	16	15.5	13	8	400	160	8
R3461.L012	16	15.5	13	8	400	160	8
R3461.L014	22	21.5	16	10	800	320	10
R3461.L015	22	21.5	16	10	800	320	10
R3461.L016	22	21.5	16	10	800	320	10



R3466



Material

Stainless steel (A2, AISI 303).

Technical Notes

To DIN 71802 form CS, supplied with hexagon nut.

Safety ring aids the retention of the ball

stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

For sealing cap version, see R3476, standard thread is right hand, (for left hand thread see R3467).

Important Notes

Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃	d ₄	h ₁ ±0.3	Weight g
R3466.R005	Right	8	22	M 5	8	12.8	10.2	15.2
R3466.R006	Right	10	25	M 6	10	14.8	12.5	25.2
R3466.R008	Right	13	30	M 8	13	19.3	16.5	53.1
R3466.R010	Right	16	35	M10	16	24.0	20.0	103.8
R3466.R012	Right	16	35	M12	16	24.0	20.0	103.8
R3466.R014	Right	19	45	M14x1,5*	22	30.0	28.0	220.9
R3466.R015	Right	19	45	M14	22	30.0	28.0	220.9
R3466.R016	Right	19	45	M16	22	30.0	28.0	220.9

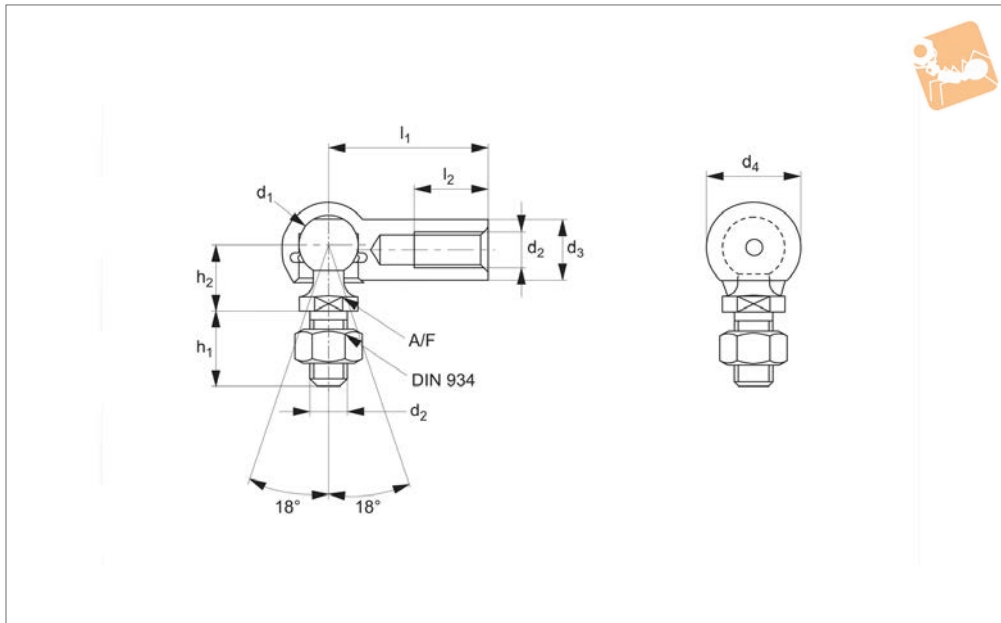
Order No.	h ₂ ±0.3	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3466.R005	9	10.2	7	3	50	20	3
R3466.R006	11	11.5	8	4	100	40	4
R3466.R008	13	14.0	11	6	200	80	6
R3466.R010	16	15.5	13	8	400	160	8
R3466.R012	16	15.5	13	8	400	160	8
R3466.R014	22	21.5	16	10	800	320	10
R3466.R015	22	21.5	16	10	800	320	10
R3466.R016	22	21.5	16	10	800	320	10



Stainless Ball and Socket Joints

left hand thread

Ball & Socket Joints



R3467

BALL & SOCKET JOINTS

Material

Stainless steel (A2, AISI 303).

Technical Notes

To DIN 71802 form CS, supplied with hexagon nut.

Safety ring aids the retention of the ball

stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

Stud: right hand thread.

Housing: left hand thread

For sealing cap version, see R3477.

Important Notes

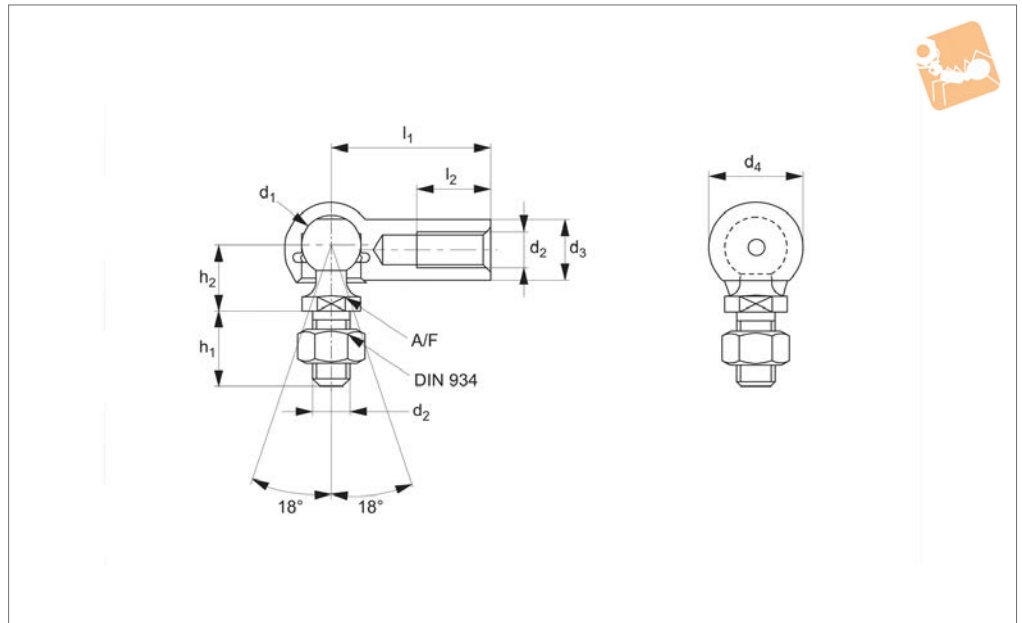
Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃	d ₄	h ₁ ±0.3	Weight g
R3467.L005	Left	8	22	M 5	8	12.8	10.2	15.2
R3467.L006	Left	10	25	M 6	10	14.8	12.5	25.2
R3467.L008	Left	13	30	M 8	13	19.3	16.5	53.1
R3467.L010	Left	16	35	M10	16	24.0	20.0	103.8
R3467.L012	Left	16	35	M12	16	24.0	20.0	103.8
R3467.L014	Left	19	45	M14x1,5*	22	30.0	28.0	220.9
R3467.L015	Left	19	45	M14	22	30.0	28.0	220.9
R3467.L016	Left	19	45	M16	22	30.0	28.0	220.9

Order No.	h ₂ ±0.3	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3467.L005	9	10.2	7	3	50	20	3
R3467.L006	11	11.5	8	4	100	40	4
R3467.L008	13	14.0	11	6	200	80	6
R3467.L010	16	15.5	13	8	400	160	8
R3467.L012	16	15.5	13	8	400	160	8
R3467.L014	22	21.5	16	10	800	320	10
R3467.L015	22	21.5	16	10	800	320	10
R3467.L016	22	21.5	16	10	800	320	10



R3468



Material

Stainless steel (A4, AISI 316).

Technical Notes

To DIN 71802 form CS, supplied with hexagon nut.

Safety ring aids the retention of the ball

stud in the housing.

Tips

For sealing cap version, see R3476, standard thread is right hand, (for left hand thread see R3467).

Important Notes

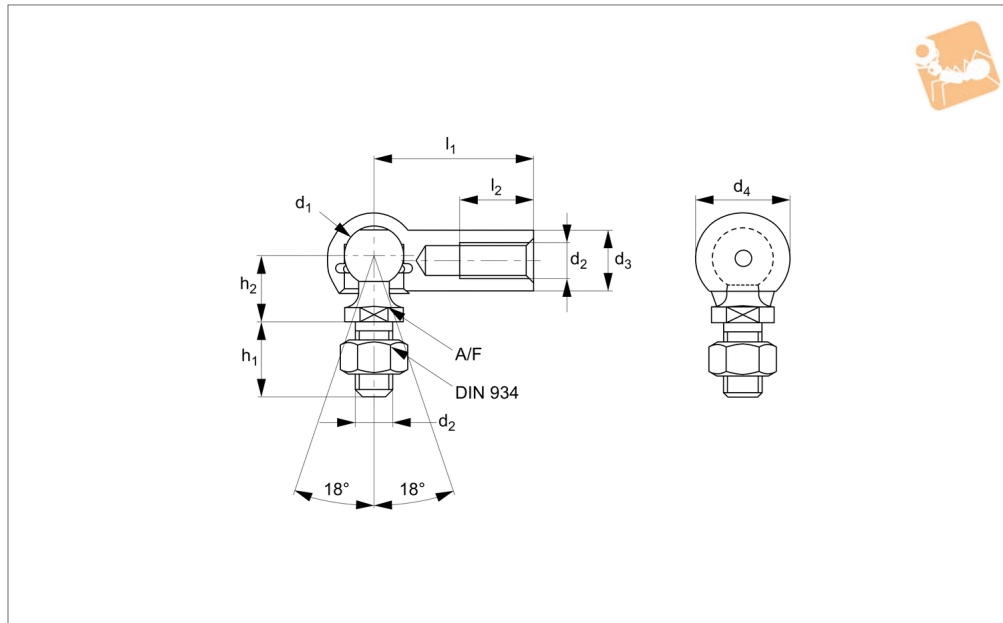
Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d_1	l_1 ± 0.3	d_2	d_3	d_4	h_1 ± 0.3	Weight g
R3468.R005	Right	8	22	M 5	8	12.8	10.2	15.2
R3468.R006	Right	10	25	M 6	10	14.8	12.5	25.2
R3468.R008	Right	13	30	M 8	13	19.3	16.5	53.1
R3468.R010	Right	16	35	M10	16	24.0	20.0	103.8

Order No.	h_2 ± 0.3	l_2 min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3468.R005	9	10.2	7	3	50	20	3
R3468.R006	11	11.5	8	4	100	40	4
R3468.R008	13	14.0	11	6	200	80	6
R3468.R010	16	15.5	13	8	400	160	8

Ball and Socket Joints with sealing cap

Ball & Socket Joints



R3470

BALL & SOCKET JOINTS

Material

Steel, silver zinc plated, ball stud: steel minimum tensile strength $R_m=600N/mm^2$.
Housing: steel minimum tensile strength $R_m=500N/mm^2$, sealing cap: neoprene.

hexagon nut.

Safety ring aids the retention of the ball stud in the housing.

*M14x1,5 is a fine pitch thread.

Important Notes

Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Technical Notes

To DIN 71802 form CS, supplied with

Tips

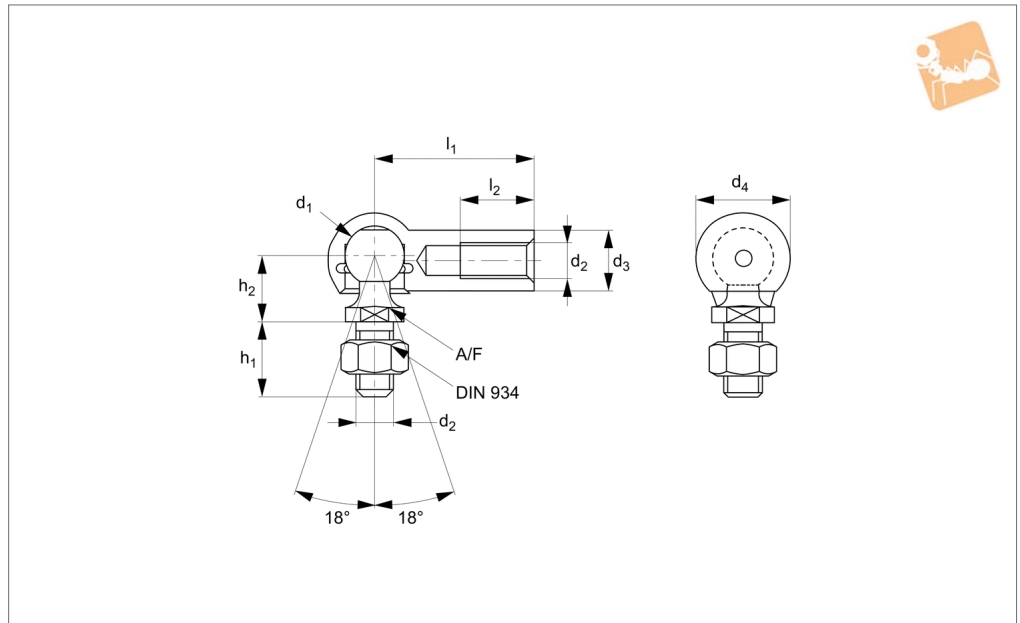
Standard thread is right hand, (for left hand thread see R3471).

Order No.	Thread hand	d_1	l_1 ± 0.3	d_2	d_3	d_4	h_1 ± 0.3	Weight g
R3470.R005	Right	8	22	M 5	8	12.8	10.2	15.2
R3470.R006	Right	10	25	M 6	10	14.8	12.5	25.2
R3470.R008	Right	13	30	M 8	13	19.3	16.5	53.1
R3470.R010	Right	16	35	M10	16	24.0	20.0	103.8
R3470.R012	Right	16	35	M12	16	24.0	20.0	103.8
R3470.R014	Right	22	45	M14x1,5*	22	30.0	28.0	220.9
R3470.R015	Right	22	45	M14	22	30.0	28.0	220.9
R3470.R016	Right	22	45	M16	22	30.0	28.0	220.9

Order No.	h_2 ± 0.3	l_2 min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3470.R005	9	10.2	7	3	50	20	3
R3470.R006	11	11.5	8	4	100	40	4
R3470.R008	13	14.0	11	6	200	80	6
R3470.R010	16	15.5	13	8	400	160	8
R3470.R012	16	15.5	13	8	400	160	8
R3470.R014	22	21.5	16	10	800	320	10
R3470.R015	22	21.5	16	10	800	320	10
R3470.R016	22	21.5	16	10	800	320	10



R3471



Material

Silver zinc plated, ball stud: minimum tensile strength $R_m=600N/mm^2$.
Housing: minimum tensile strength $R_m=500N/mm^2$, sealing cap: Neoprene.

hexagon nut.

Safety ring aids the retention of the ball stud in the housing.

*M14x1,5 is a fine pitch thread.

Important Notes

Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Technical Notes

To DIN 71802 form CS, supplied with

Tips

Stud: right hand thread.

Housing: left hand thread

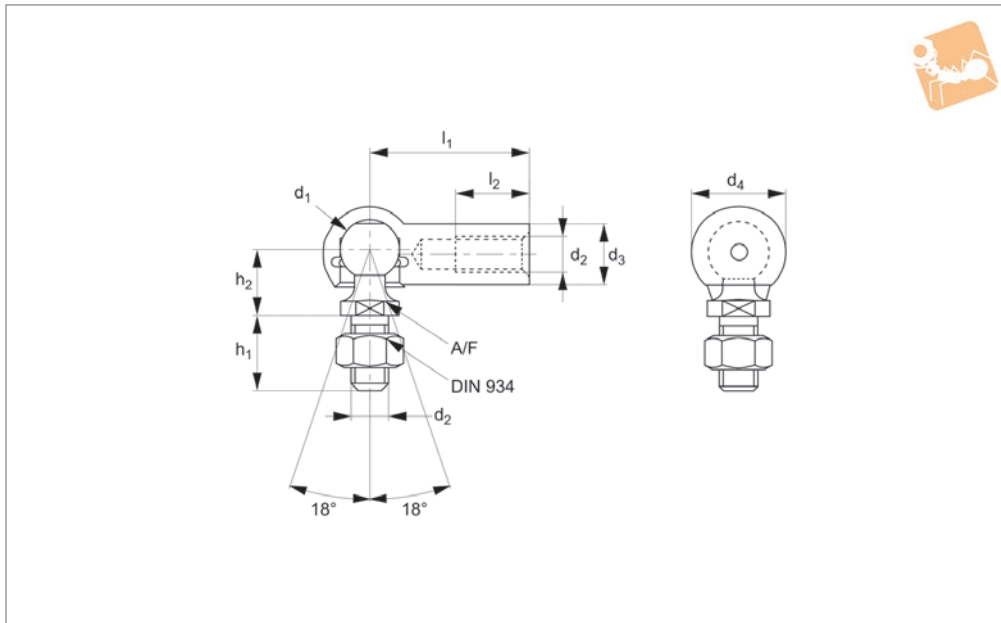
Order No.	Thread hand	d_1	l_1 ± 0.3	d_2	d_3	d_4	h_1 ± 0.3	Weight g
R3471.L005	Left	8	22	M 5	8	12.8	10.2	15.2
R3471.L006	Left	10	25	M 6	10	14.8	12.5	25.2
R3471.L008	Left	13	30	M 8	13	19.3	16.5	53.1
R3471.L010	Left	16	35	M10	16	24.0	20.0	103.8
R3471.L012	Left	16	35	M12	16	24.0	20.0	103.8
R3471.L014	Left	22	45	M14x1,5*	22	30.0	28.0	220.9
R3471.L015	Left	22	45	M14	22	30.0	28.0	220.9
R3471.L016	Left	22	45	M16	22	30.0	28.0	220.9

Order No.	h_2 ± 0.3	l_2 min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3471.L005	9	10.2	7	3	50	20	3
R3471.L006	11	11.5	8	4	100	40	4
R3471.L008	13	14.0	11	6	200	80	6
R3471.L010	16	15.5	13	8	400	160	8
R3471.L012	16	15.5	13	8	400	160	8
R3471.L014	22	21.5	16	10	800	320	10
R3471.L015	22	21.5	16	10	800	320	10
R3471.L016	22	21.5	16	10	800	320	10



Stainless Ball and Socket Joint with sealing cap

Ball & Socket Joints



R3476

BALL & SOCKET JOINTS

Material

Stainless steel (A2, AISI 303), sealing cap: neoprene.

Technical Notes

Supplied with hexagon nut.
Safety ring aids the retention of the ball

stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

Standard thread is right hand, (for left hand see R3477).

Important Notes

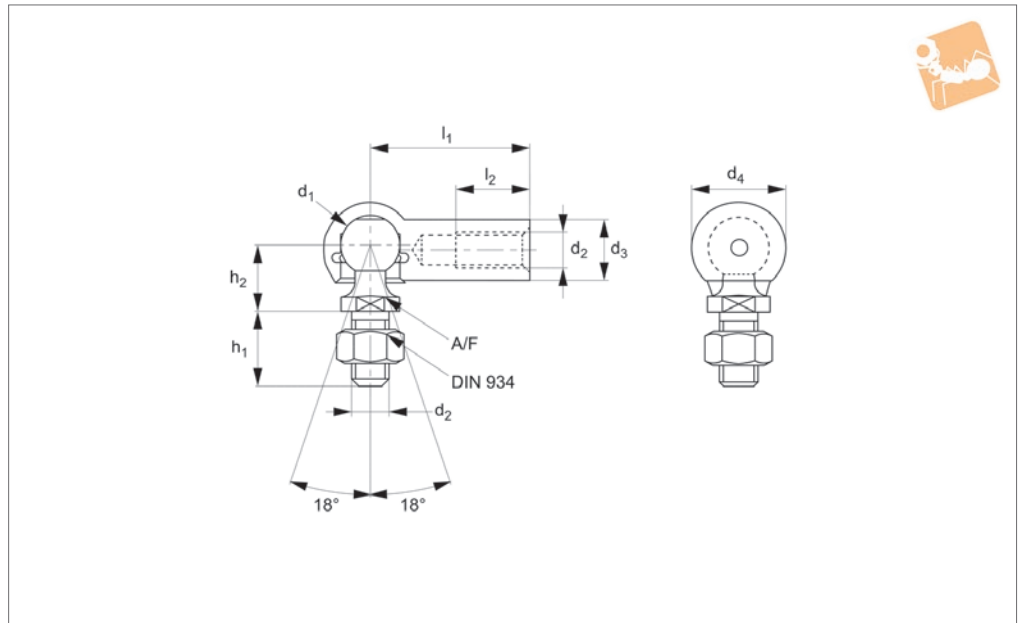
Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃	d ₄	h ₁ ±0.3	Weight g
R3476.R005	Right	8	22	M 5	8	12.8	10.2	15.2
R3476.R006	Right	10	25	M 6	10	14.8	12.5	25.2
R3476.R008	Right	13	30	M 8	13	19.3	16.5	53.1
R3476.R010	Right	16	35	M10	16	24.0	20.0	103.8
R3476.R012	Right	16	35	M12	16	24.0	20.0	103.8
R3476.R014	Right	22	45	M14x1,5*	22	30.0	28.0	220.9
R3476.R015	Right	22	45	M14	22	30.0	28.0	220.9
R3476.R016	Right	22	45	M16	22	30.0	28.0	220.9

Order No.	h ₂ ±0.3	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3476.R005	9	10.2	7	3	50	20	3
R3476.R006	11	11.5	8	4	100	40	4
R3476.R008	13	14.0	11	6	200	80	6
R3476.R010	16	15.5	13	8	400	160	8
R3476.R012	16	15.5	13	8	400	160	8
R3476.R014	22	21.5	16	10	800	320	10
R3476.R015	22	21.5	16	10	800	320	10
R3476.R016	22	21.5	16	10	800	320	10



R3477



Material

Stainless steel (A2, AISI 303), sealing cap: neoprene.

Technical Notes

Supplied with hexagon nut.
Safety ring aids the retention of the ball

stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

Stud: right hand thread.
Housing: left hand thread

Important Notes

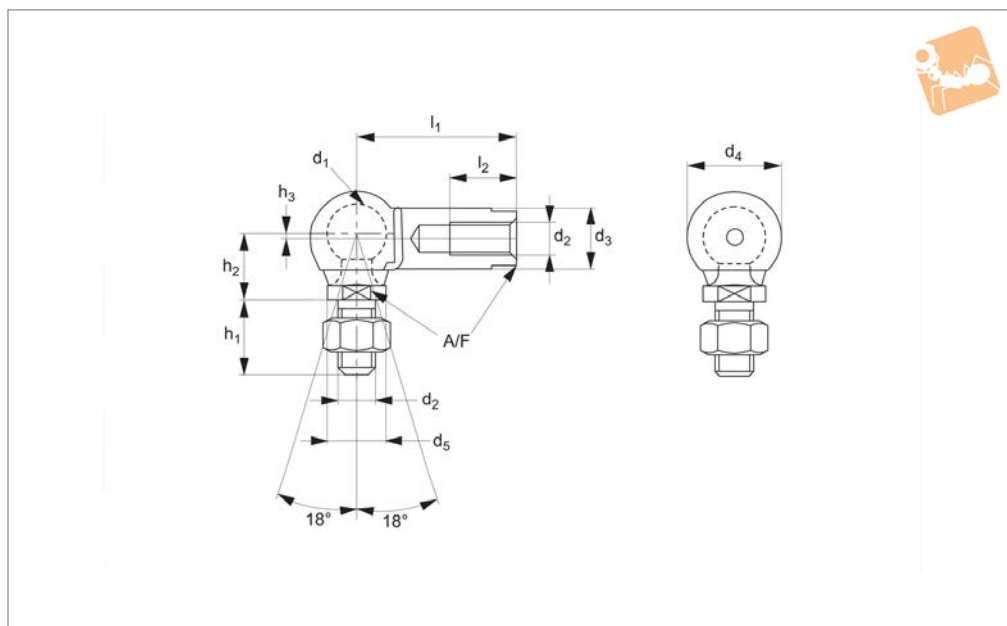
Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃	d ₄	h ₁ ±0.3	Weight g
R3477.L005	Left	8	22	M 5	8	12.8	10.2	15.2
R3477.L006	Left	10	25	M 6	10	14.8	12.5	25.2
R3477.L008	Left	13	30	M 8	13	19.3	16.5	53.1
R3477.L010	Left	16	35	M10	16	24.0	20.0	103.8
R3477.L012	Left	16	35	M12	16	24.0	20.0	103.8
R3477.L014	Left	22	45	M14x1,5*	22	30.0	28.0	220.9
R3477.L015	Left	22	45	M14	22	30.0	28.0	220.9
R3477.L016	Left	22	45	M16	22	30.0	28.0	220.9

Order No.	h ₂ ±0.3	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3477.L005	9	10.2	7	3	50	20	3
R3477.L006	11	11.5	8	4	100	40	4
R3477.L008	13	14.0	11	6	200	80	6
R3477.L010	16	15.5	13	8	400	160	8
R3477.L012	16	15.5	13	8	400	160	8
R3477.L014	22	21.5	16	10	800	320	10
R3477.L015	22	21.5	16	10	800	320	10
R3477.L016	22	21.5	16	10	800	320	10

Ball and Socket Joint with flats on housing

Ball & Socket Joints



R3490

BALL & SOCKET JOINTS

Material

Stud: carbon steel, sealing cap: neoprene.
Housing: steel (9sMnPb28), silver zinc plated.

Technical Notes

To DIN 71802 form CS, supplied without hexagon nut.

Safety ring aids the retention of the ball stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

Standard thread is right hand, (for left hand thread see R3491).

Important Notes

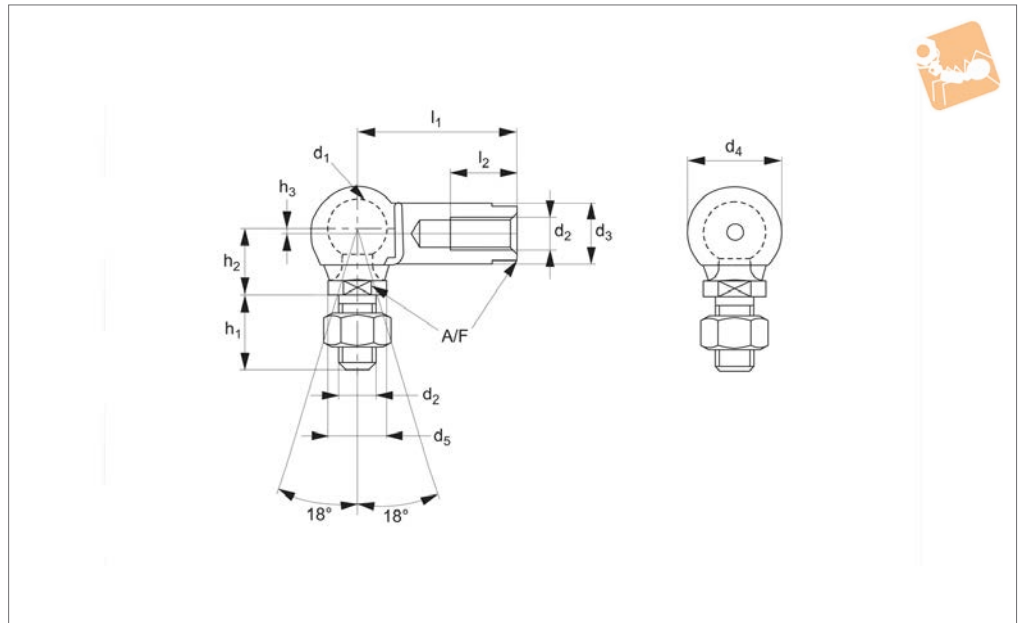
Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without a nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃ ±0.5	d ₄ ±0.5	d ₅ ±0.5	Weight g
R3490.R005	Right	8	22	M 5	8	12.8	8	15.2
R3490.R006	Right	10	25	M 6	10	14.8	10	25.2
R3490.R008	Right	13	30	M 8	13	19.3	13	53.1
R3490.R010	Right	16	35	M10	16	24.0	16	103.8
R3490.R012	Right	16	35	M12	16	24.0	16	103.8
R3490.R014	Right	19	45	M14x1,5*	22	30.0	22	220.9
R3490.R015	Right	19	45	M14	22	30.0	22	220.9
R3490.R016	Right	19	45	M16	22	30.0	22	220.9

Order No.	h ₁ ±0.3	h ₂ ±0.3	h ₃	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3490.R005	10.0	9	0.65	10.2	7	3	50	20	3
R3490.R006	12.5	11	0.70	11.5	8	4	100	40	4
R3490.R008	16.5	13	1.15	14.0	11	6	200	80	6
R3490.R010	20.0	16	1.15	15.5	13	8	400	160	8
R3490.R012	20.0	16	1.15	15.5	13	8	400	160	8
R3490.R014	28.0	20	0.50	21.5	17	10	800	320	10
R3490.R015	28.0	20	0.50	21.5	17	10	800	320	10
R3490.R016	28.0	20	0.50	21.5	17	10	800	320	10



R3491



Material

Stud: carbon steel, sealing cap: neoprene.
Housing: steel (9sMnPb28), silver zinc plated.

Technical Notes

To DIN 71802 form CS, supplied with hexagon nut.

Safety ring aids the retention of the ball stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

Stud: right hand thread.

Housing: left hand thread

Important Notes

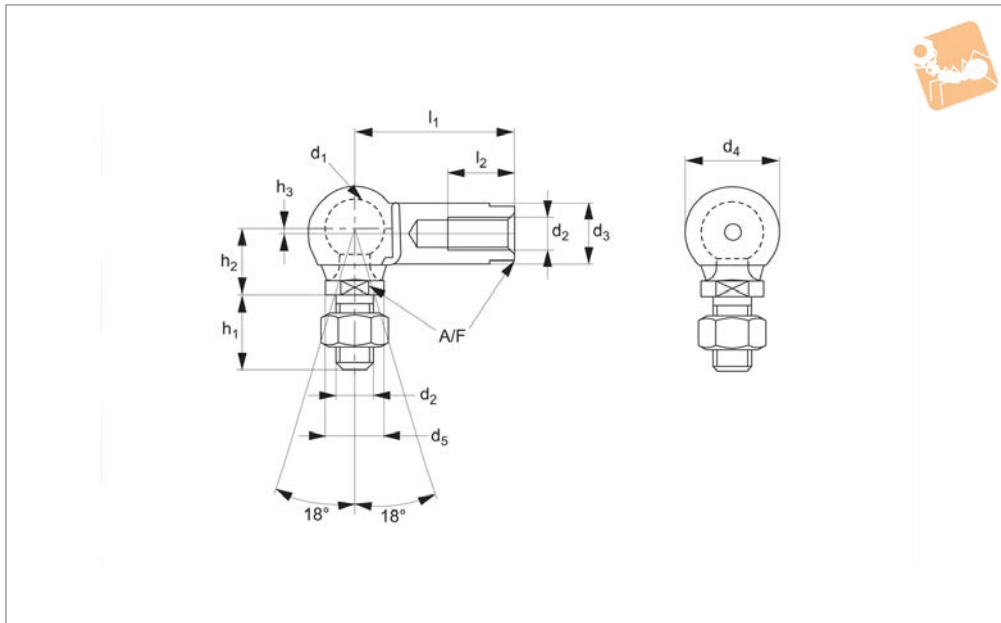
Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃ ±0.5	d ₄ ±0.5	d ₅ ±0.5	Weight g
R3491.L005	Left	8	22	M5	8	12.8	8	15.2
R3491.L006	Left	10	25	M6	10	14.8	10	25.2
R3491.L008	Left	13	30	M8	13	19.3	13	53.1
R3491.L010	Left	16	35	M10	16	24.0	16	103.8
R3491.L012	Left	16	35	M12	16	24.0	16	103.8
R3491.L014	Left	19	45	M14x1,5	22	30.0	22	220.9
R3491.L015	Left	19	45	M14	22	30.0	22	220.9
R3491.L016	Left	19	45	M16	22	30.0	22	220.9

Order No.	h ₁ ±0.3	h ₂ ±0.3	h ₃	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3491.L005	10.0	9	0.65	10.2	7	3	50	20	3
R3491.L006	12.5	11	0.70	11.5	8	4	100	40	4
R3491.L008	16.5	13	1.15	14.0	11	6	200	80	6
R3491.L010	20.0	16	1.15	15.5	13	8	400	160	8
R3491.L012	20.0	16	1.15	15.5	13	8	400	160	8
R3491.L014	28.0	20	0.50	21.5	17	10	800	320	10
R3491.L015	28.0	20	0.50	21.5	17	10	800	320	10
R3491.L016	28.0	20	0.50	21.5	17	10	800	320	10



Stainless Ball and Socket Joint with flats on housing



R3496

BALL & SOCKET JOINTS

Material

Stainless steel (A2, AISI 303), sealing cap: neoprene.

Technical Notes

To DIN 71802 form CS, supplied with hexagon nut.

Safety ring aids the retention of the ball

stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

Standard thread is right hand, (for left hand thread see R3497).

Important Notes

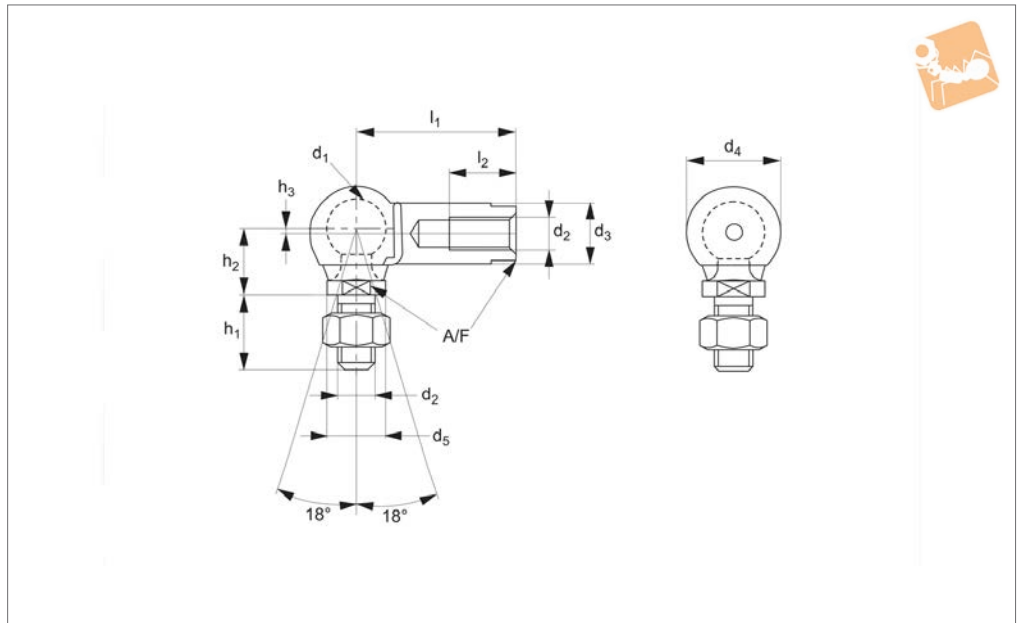
Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃ ±0.5	d ₄ ±0.5	d ₅ ±0.5	h ₁ ±0.3	h ₂ ±0.3	h ₃	Weight g
R3496.R005	Right	8	22	M5	8	12.8	8	10.0	9	0.65	15.2
R3496.R006	Right	10	25	M6	10	14.8	10	12.5	11	0.70	25.2
R3496.R008	Right	13	30	M8	13	19.3	13	16.5	13	1.15	53.1
R3496.R010	Right	16	35	M10	16	24.0	16	20.0	16	1.15	103.8
R3496.R012	Right	16	35	M12	16	24.0	16	20.0	16	1.15	103.8
R3496.R014	Right	22	45	M14x1,5*	22	30.0	22	28.0	20	0.50	220.9
R3496.R015	Right	22	45	M14	22	30.0	22	28.0	20	0.50	220.9
R3496.R016	Right	22	45	M16	22	30.0	22	28.0	20	0.50	220.9

Order No.	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3496.R005	10.2	7	3	50	20	3
R3496.R006	11.5	8	4	100	40	4
R3496.R008	14.0	11	6	200	80	6
R3496.R010	15.5	13	8	400	160	8
R3496.R012	15.5	13	8	400	160	8
R3496.R014	21.5	17	10	800	320	10
R3496.R015	21.5	17	10	800	320	10
R3496.R016	21.5	17	10	800	320	10



R3497



Material

Stainless steel (A2, AISI 303), sealing cap: neoprene.

Technical Notes

To DIN 71802 form CS, supplied with hexagon nut.

Safety ring aids the retention of the ball stud in the housing.

*M14x1,5 is a fine pitch thread.

Tips

Stud: right hand thread.

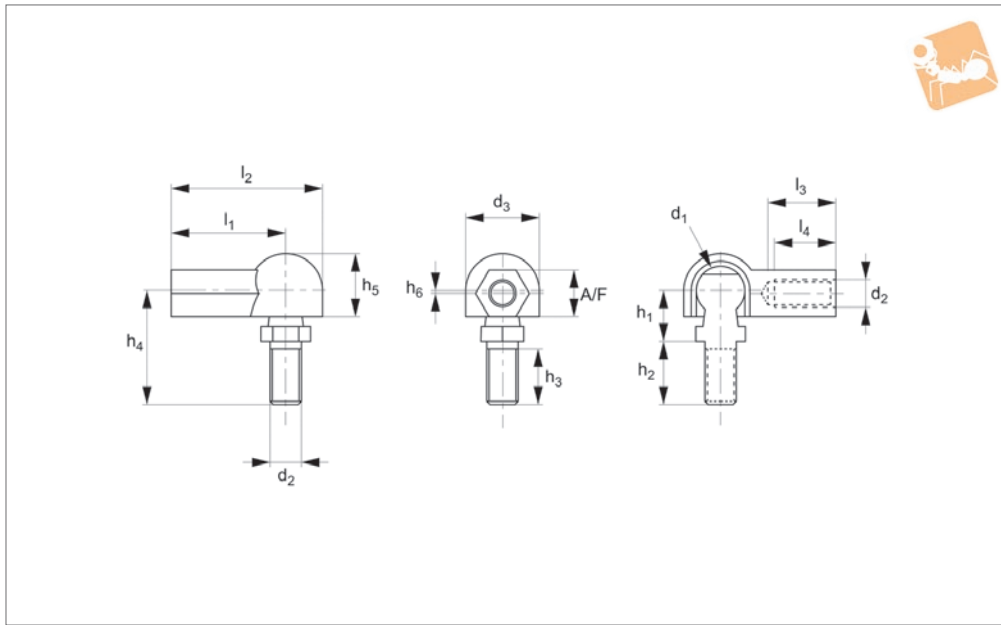
Housing: left hand thread

Important Notes

Thread is not full length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread hand	d ₁	l ₁ ±0.3	d ₂	d ₃ ±0.5	d ₄ ±0.5	d ₅ ±0.5	h ₁ ±0.3	h ₂ ±0.3	h ₃	Weight g
R3497.L005	Left	8	22	M5	8	12.8	8	10.0	9	0.65	15.2
R3497.L006	Left	10	25	M6	10	14.8	10	12.5	11	0.70	25.2
R3497.L008	Left	13	30	M8	13	19.3	13	16.5	13	1.15	53.1
R3497.L010	Left	16	35	M10	16	24.0	16	20.0	16	1.15	103.8
R3497.L012	Left	16	35	M12	16	24.0	16	20.0	16	1.15	103.8
R3497.L014	Left	22	45	M14x1,5*	22	30.0	22	28.0	20	0.50	220.9
R3497.L015	Left	22	45	M14	22	30.0	22	28.0	20	0.50	220.9
R3497.L016	Left	22	45	M16	22	30.0	22	28.0	20	0.50	220.9

Order No.	l ₂ min.	A/F tol. h14	Extraction force kg min.	Static load kg max.	Dyn. load C kg max.	Force required for movement kg max.
R3497.L005	10.2	7	3	50	20	3
R3497.L006	11.5	8	4	100	40	4
R3497.L008	14.0	11	6	200	80	6
R3497.L010	15.5	13	8	400	160	8
R3497.L012	15.5	13	8	400	160	8
R3497.L014	21.5	17	10	800	320	10
R3497.L015	21.5	17	10	800	320	10
R3497.L016	21.5	17	10	800	320	10



R3520

BALL & SOCKET JOINTS

Material

Housing: Black plastic (Igumid G).
Stud: Steel, silver zinc plated.

Technical Notes

Low weight.
Maintenance free.

Tips

Thread. Stud: Right Hand. Housing: .L for left hand, .R for right hand

Important Notes

Plastic stud available on request, (add -PS to part number). Thread is not full

length. There is a min 1.5mm unthreaded shank. If using part without the supplied nut, then please consider a counterbore to accommodate the unthreaded shank.

Order No.	Thread (housing)	d ₁ ±0.1	l ₁ ±0.3	d ₂	d ₃ ±0.5	h ₁ ±0.2	h ₂ ±0.3	h ₃ min.	h ₄ ±0.5	h ₅ ±0.4	Weight g
R3520.R005	Right	8.0	22.0	M 5	12.8	9.0	10.2	8.2	25.6	10.8	2.6
R3520.R006	Right	10.0	25.0	M 6	14.8	11.0	12.5	10.5	30.9	12.3	4.0
R3520.R008	Right	13.0	30.0	M 8	19.3	13.0	16.5	13.5	38.8	16.2	8.2
R3520.R010	Right	16.0	35.0	M10	24.0	16.0	20.0	16.0	47.0	20.0	13.8
R3520.L005	Left	8.0	22.0	M 5	12.8	9.0	10.2	8.2	25.6	10.8	2.6
R3520.L006	Left	10.0	25.0	M 6	14.8	11.0	12.5	10.5	30.9	12.3	4.0
R3520.L008	Left	13.0	30.0	M 8	19.3	13.0	16.5	13.5	38.8	16.2	8.2
R3520.L010	Left	16.0	35.0	M10	24.0	16.0	20.0	16.0	47.0	20.0	13.8

Order No.	h ₆ ±0.5	l ₂ ±0.5	l ₃	l ₄ ±0.5	A/F	Recommended pivot angle	Pivot angle max.
R3520.R005	0.65	28.4	14.0	11.0	8	18°	25°
R3520.R006	0.70	32.4	16.0	13.0	9	18°	25°
R3520.R008	1.15	39.7	18.0	16.0	12	18°	25°
R3520.R010	1.15	47.0	20.0	18.0	14	18°	25°
R3520.L005	0.65	28.4	14.0	11.0	8	18°	25°
R3520.L006	0.70	32.4	16.0	13.0	9	18°	25°
R3520.L008	1.15	39.7	18.0	16.0	12	18°	25°
R3520.L010	1.15	47.0	20.0	18.0	14	18°	25°