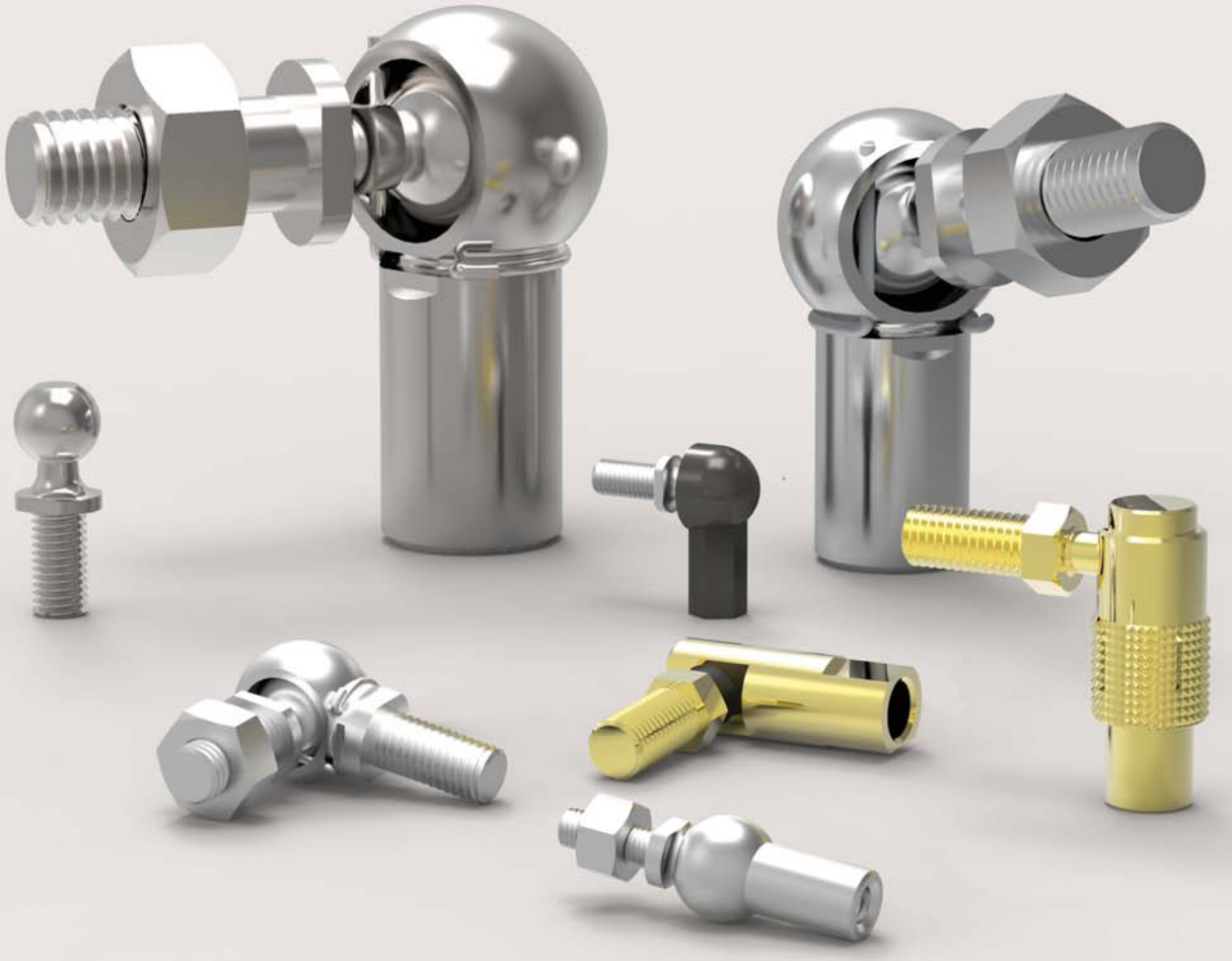
SPRINGFIX®
LINKAGES

...our linkages, your solution

Ball & Socket Joints



Ball and Socket Joints

Ball and socket joints to DIN 71802 available in zinc plated steel and stainless steel. Right and left hand threads available.

Sizes M5 up to M16.

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Ball and Socket Joints - with sealing caps

Ball and socket joints to DIN 71802 available in zinc plated steel and stainless steel. Right and left hand threads available.

Sizes M5 up to M16.

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Ball and Socket Joints - with sealing caps and spanner flats

Ball and socket joints to DIN 71802 available in zinc plated steel and stainless steel. Right and left hand threads available. Spanner flats on housing to aid installation.

Sizes M5 up to M16.

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Axial Ball and Socket Joints

In-line ball and socket joints to DIN 71802 available in zinc plated steel and stainless steel.

Sizes M5 up to M14 x 1,5.

Pages 94 - 97

Threaded Ball Studs

Threaded ball studs to DIN 71803 form C available in zinc plated steel.

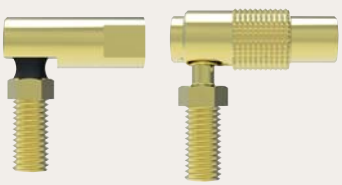
Sizes M5 up to M14.

Pages 100

Quick Release - plus other ball and socket joints

Quick release ball joints allow rapid release and reconnection of ball stud for easy installation. DMG6 and male:male ball joints and lockable also available.

Sizes M5 up to M10.



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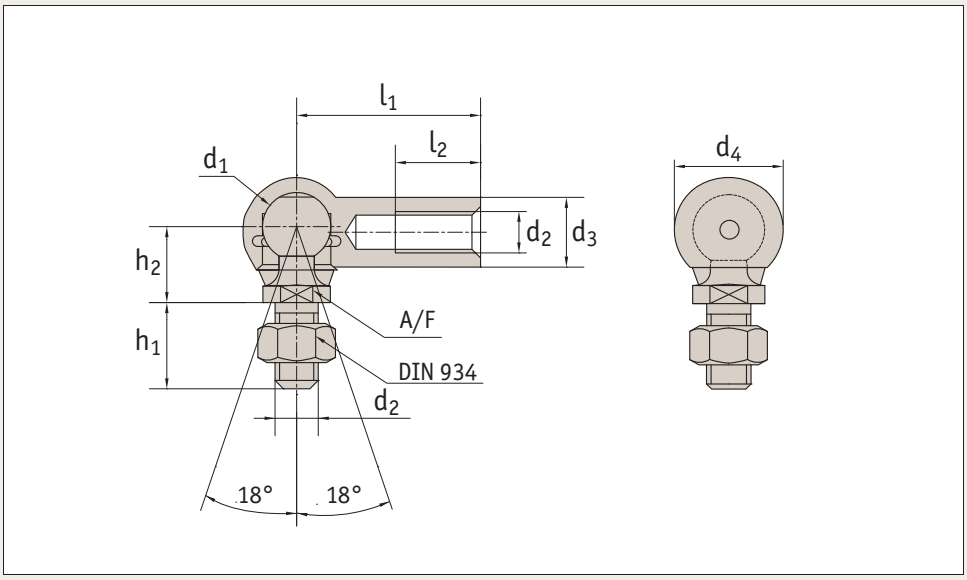
Springfix Linkages is a division of Automotion Components Ltd

Stainless Ball and Socket Joint
with sealing cap



R3476

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).

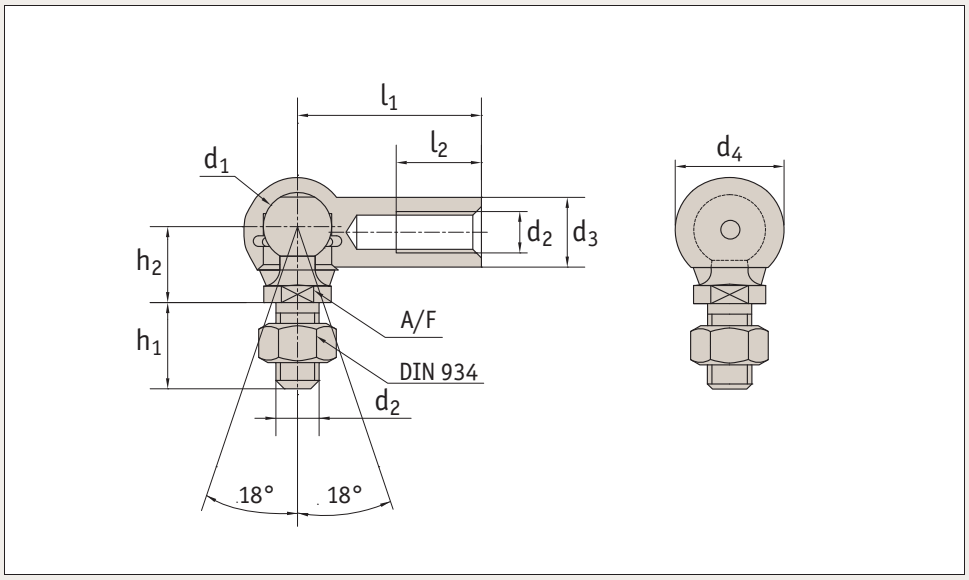
Order No.	Thread (hand)	d_1	d_2	l_1 ±0.3	d_3	d_4	l_2 min.	g
R3476.R005	Right	8	M 5	22	8	12,8	10,2	15,2
R3476.R006	Right	10	M 6	25	10	14,8	11,5	25,2
R3476.R008	Right	13	M 8	30	13	19,3	14,0	53,1
R3476.R010	Right	16	M10	35	16	24,0	15,5	103,8
R3476.R012	Right	16	M12	35	16	24,0	15,5	103,8
R3476.R014	Right	22	M14x1,5*	45	22	30,0	21,5	220,9
R3476.R015	Right	22	M14	45	22	30,0	21,5	220,9
R3476.R016	Right	22	M16	45	22	30,0	21,5	220,9

Order No.	h_1 ±0.3	h_2 ±0.3	A/F h14	Min. extraction force Kg	Max. static load Kg	Max. dynamic load Kg	Max. force required for movement Kg
R3476.R005	10,2	9	7	3	50	20	3
R3476.R006	12,5	11	8	4	100	40	4
R3476.R008	16,5	13	11	6	200	80	6
R3476.R010	20,0	16	13	8	400	160	8
R3476.R012	20,0	16	13	8	400	160	8
R3476.R014	28,0	22	16	10	800	320	10
R3476.R015	28,0	22	16	10	800	320	10
R3476.R016	28,0	22	16	10	800	320	10

Stainless Ball and Socket Joint

with sealing cap - left hand thread

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.

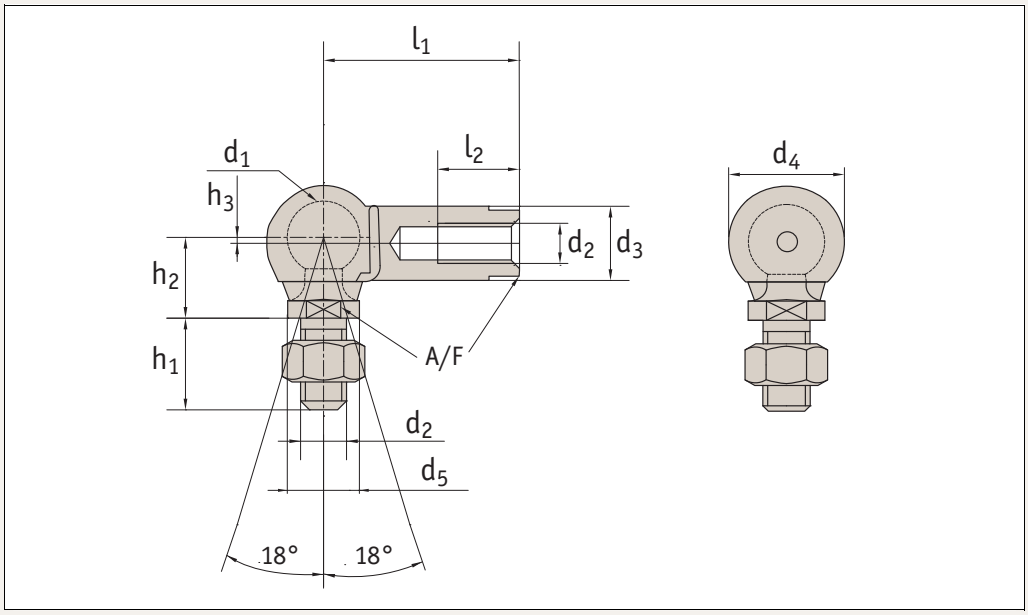
Order No.	Thread (hand)	d_1	d_2	$l_{1\ \pm0.3}$	d_3	d_4	$l_{2\ min.}$	g
R3477.L005	Left	8	M 5	22	8	12,8	10,2	15,2
R3477.L006	Left	10	M 6	25	10	14,8	11,5	25,2
R3477.L008	Left	13	M 8	30	13	19,3	14,0	53,1
R3477.L010	Left	16	M10	35	16	24,0	15,5	103,8
R3477.L012	Left	16	M12	35	16	24,0	15,5	103,8
R3477.L014	Left	22	M14x1,5*	45	22	30,0	21,5	220,9
R3477.L015	Left	22	M14	45	22	30,0	21,5	220,9
R3477.L016	Left	22	M16	45	22	30,0	21,5	220,9

Order No.	h_1 ±0.3	h_2 ±0.3	A/F h14	Min. extraction force Kg	Max. static load Kg	Max. dynamic load Kg	Max. force required for movement Kg
R3477.L005	10,2	9	7	3	50	20	3
R3477.L006	12,5	11	8	4	100	40	4
R3477.L008	16,5	13	11	6	200	80	6
R3477.L010	20,0	16	13	8	400	160	8
R3477.L012	20,0	16	13	8	400	160	8
R3477.L014	28,0	22	16	10	800	320	10
R3477.L015	28,0	22	16	10	800	320	10
R3477.L016	28,0	22	16	10	800	320	10

Stainless Ball and Socket Joint

with flats on housing

R3496



Material
Stainless steel (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.

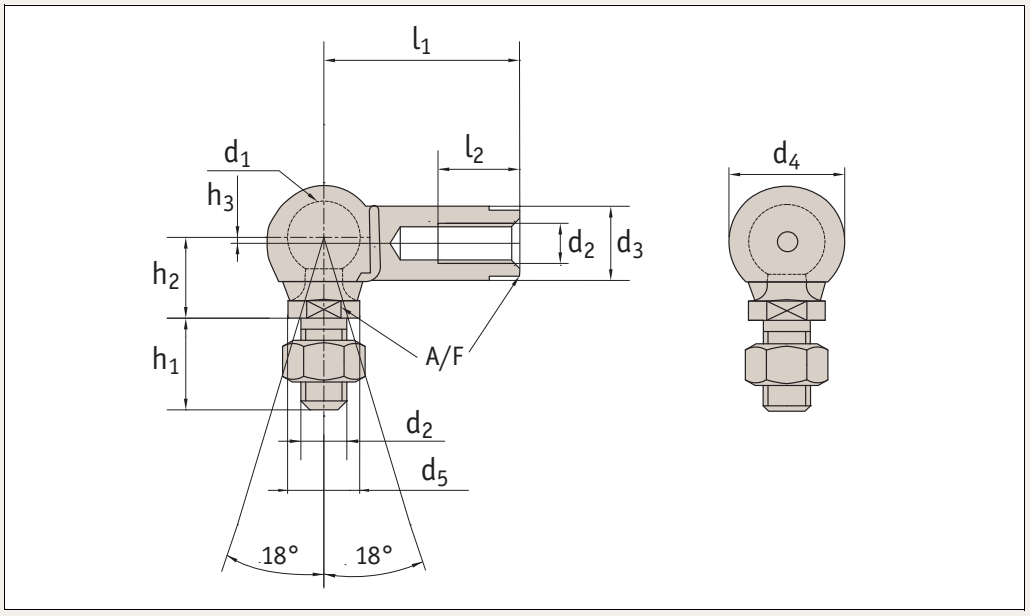
Tips
Standard thread is right hand, (for left hand thread see R3497).

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	l_2 min.	g
R3496.R005	Right	8	22	M5	8	12,8	8	10,0	9	10,2	15,2
R3496.R006	Right	10	25	M6	10	14,8	10	12,5	11	11,5	25,2
R3496.R008	Right	13	30	M8	13	19,3	13	16,5	13	14,0	53,1
R3496.R010	Right	16	35	M10	16	24,0	16	20,0	16	15,5	103,8
R3496.R012	Right	16	35	M12	16	24,0	16	20,0	16	15,5	103,8
R3496.R014	Right	22	45	M14x1,58	22	30,0	22	28,0	20	21,5	220,9
R3496.R015	Right	22	45	M14	22	30,0	22	28,0	20	21,5	220,9
R3496.R016	Right	22	45	M16	22	30,0	22	28,0	20	21,5	220,9

Order No.	h_3	A/F h14	Min. extraction force Kg	Max. static load Kg	Max. dynamic load Kg	Max. force required for movement Kg
R3496.R005	0,65	7	3	50	20	3
R3496.R006	0,70	8	4	100	40	4
R3496.R008	1,15	11	6	200	80	6
R3496.R010	1,15	13	8	400	160	8
R3496.R012	1,15	13	8	400	160	8
R3496.R014	0,50	17	10	800	320	10
R3496.R015	0,50	17	10	800	320	10
R3496.R016	0,50	17	10	800	320	10

Stainless Ball and Socket Joint

left hand thread - with flats on housing



R3497

Material
Stainless steel (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.

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	l_2 min.	g
R3497.L005	Left	8	22	M5	8	12,8	8	10,0	9	10,2	15,2
R3497.L006	Left	10	25	M6	10	14,8	10	12,5	11	11,5	25,2
R3497.L008	Left	13	30	M8	13	19,3	13	16,5	13	14,0	53,1
R3497.L010	Left	16	35	M10	16	24,0	16	20,0	16	15,5	103,8
R3497.L012	Left	16	35	M12	16	24,0	16	20,0	16	15,5	103,8
R3497.L014	Left	22	45	M14x1,5*	22	30,0	22	28,0	20	21,5	220,9
R3497.L015	Left	22	45	M14	22	30,0	22	28,0	20	21,5	220,9
R3497.L016	Left	22	45	M16	22	30,0	22	28,0	20	21,5	220,9

Order No.	h_3	A/F h14	Min extraction force Kg	Max static load Kg	Max dynamic load Kg	Max force required for movement Kg
R3497.L005	0,65	7	3	50	20	3
R3497.L006	0,70	8	4	100	40	4
R3497.L008	1,15	11	6	200	80	6
R3497.L010	1,15	13	8	400	160	8
R3497.L012	1,15	13	8	400	160	8
R3497.L014	0,50	17	10	800	320	10
R3497.L015	0,50	17	10	800	320	10
R3497.L016	0,50	17	10	800	320	10