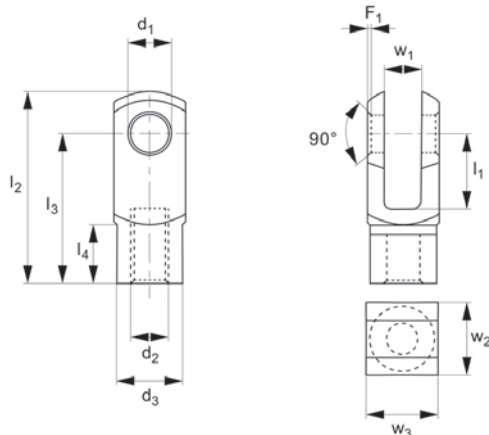




R3409

Material

Black Plastic (Igumid G)

Technical Notes

Light weight, Universal corrosion resistance.

High tensile strength, vibration and noise

dampening.

Can be used in conjunction with rod ends R3582 and R3583.

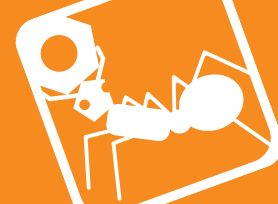
Tips

Standard thread is right hand thread.

Important Notes

For pins and clips, see R3453 and R3446.

Order No.	Size	Thread hand	Thread type	d ₁ tol. h9	l ₁ tol. h11	d ₂ tol. 6H	d ₃ +0.3 -0.3	f +0.3 -0.3	l ₂ ±0.5	l ₃ +0.3 -0.3	Weight g
R3409.R040	4x8	Right	Coarse	4	8	M3,5	8.0	0.5	21.0	16.0	0.8
R3409.R041	4x8	Right	Coarse	4	8	M4	8.0	0.5	21.0	16.0	0.8
R3409.R042	5x10	Right	Coarse	5	10	M4	9.0	0.5	25.5	20.0	1.5
R3409.R051	5x10	Right	Coarse	5	10	M5	9.0	0.5	25.5	20.0	1.5
R3409.R052	5x12	Right	Coarse	5	12	M5	10.0	0.5	30.6	24.0	2.7
R3409.R061	6x12	Right	Coarse	6	12	M6	10.0	0.5	30.6	24.0	2.7
R3409.R081	8x16	Right	Coarse	8	16	M8	14.0	0.5	41.6	32.0	6.3
R3409.R102	10x20	Right	Coarse	10	20	M10	18.0	0.5	51.3	40.0	13.1
R3409.R103	10x20	Right	Fine	10	20	M10x1,25	18.0	0.5	51.3	40.0	13.1
R3409.R122	12x24	Right	Coarse	12	24	M12	20.0	0.5	61.3	48.0	20.2
R3409.R123	12x24	Right	Fine	12	24	M12x1,25	20.0	0.5	61.3	48.0	20.2
R3409.R142	14x28	Right	Coarse	14	28	M14	24.0	0.5	71.3	56.0	29.6
R3409.R152	15x28	Right	Coarse	15	28	M14	24.0	0.5	71.3	56.0	30.0
R3409.R163	16x32	Right	Coarse	16	32	M16	26.0	1.0	81.9	64.0	43.3
R3409.R164	16x32	Right	Fine	16	32	M16x1,5	26.0	1.0	81.9	64.0	43.3
R3409.R173	17x32	Right	Coarse	17	32	M16	26.0	1.0	81.9	64.0	43.3
R3409.R174	17x32	Right	Fine	17	32	M16x1,5	26.0	1.0	83.0	64.0	43.3
R3409.R204	20x40	Right	Fine	20	40	M20x1,5	34.0	1.0	105.0	80.0	95.1
R3409.R205	20x40	Right	-	20	40	M20x2,5	34.0	1.0	105.0	80.0	95.1
R3409.L040	4x8	Left	Coarse	4	8	M3,5	8.0	0.5	21.0	16.0	0.8
R3409.L041	4x8	Left	Coarse	4	8	M4	8.0	0.5	21.0	16.0	0.8
R3409.L042	5x10	Left	Coarse	5	10	M4	9.0	0.5	25.5	20.0	1.5
R3409.L051	5x10	Left	Coarse	5	10	M5	9.0	0.5	25.5	20.0	1.5
R3409.L052	5x12	Left	Coarse	5	12	M5	10.0	0.5	30.6	24.0	2.7
R3409.L061	6x12	Left	Coarse	6	12	M6	10.0	0.5	30.6	24.0	2.7
R3409.L081	8x16	Left	Coarse	8	16	M8	14.0	0.5	41.6	32.0	6.3
R3409.L102	10x20	Left	Coarse	10	20	M10	18.0	0.5	51.3	40.0	13.1
R3409.L103	10x20	Left	Fine	10	20	M10x1,25	18.0	0.5	51.3	40.0	13.1
R3409.L122	12x24	Left	Coarse	12	24	M12	20.0	0.5	61.3	48.0	20.2
R3409.L123	12x24	Left	Fine	12	24	M12x1,25	20.0	0.5	61.3	48.0	20.2
R3409.L142	14x28	Left	Coarse	14	28	M14	24.0	0.5	71.3	56.0	29.6



Order No.	Size	Thread hand	Thread type	d ₁ tol. h9	l ₁ tol. h11	d ₂ tol. 6H	d ₃ +0.3 -0.3	f +0.3 -0.3	l ₂ ±0.5	l ₃ +0.3 -0.3	Weight g
R3409.L152	15x28	Left	Coarse	15	28	M14	24.0	0.5	71.3	56.0	30.0
R3409.L163	16x32	Left	Coarse	16	32	M16	26.0	1.0	81.9	64.0	43.3
R3409.L164	16x32	Left	Fine	16	32	M16x1,5	26.0	1.0	81.9	64.0	43.3
R3409.L173	17x32	Left	Coarse	17	32	M16	26.0	1.0	83.0	64.0	43.3
R3409.L174	17x32	Left	Fine	17	32	M16x1,5	26.0	1.0	83.0	64.0	43.3
R3409.L204	20x40	Left	Fine	20	40	M20x1,5	34.0	1.0	105.0	80.0	95.1
R3409.L205	20x40	Left	Fine	20	40	M20x2,5	34.0	1.0	105.0	80.0	95.1

Order No.	l ₄ ±0.2	w ₁ tol. B13	w ₂ +0.3 -0.16	w ₃ tol. B13	Static axial tensile strength (short term) N max.	Static axial tensile strength (long term) N max.	Torque strength Nm max.
R3409.R040	6.0	4	8	8	650	325	0.4
R3409.R041	6.0	4	8	8	650	325	0.4
R3409.R042	7.5	5	10	10	1000	500	0.4
R3409.R051	7.5	5	10	10	1000	500	0.5
R3409.R052	9.0	6	12	12	1200	600	0.5
R3409.R061	9.0	6	12	12	1400	700	1.5
R3409.R081	12.0	8	16	16	2700	1350	5.0
R3409.R102	15.0	10	20	20	4700	2350	15.0
R3409.R103	15.0	10	20	20	4700	2350	6.0
R3409.R122	18.0	12	24	24	5700	2850	20.0
R3409.R123	18.0	12	24	24	5700	2850	15.0
R3409.R142	22.5	14	27	27	6600	3300	25.0
R3409.R152	22.5	14	27	27	3200	1600	25.0
R3409.R163	24.0	16	32	32	7500	3750	30.0
R3409.R164	24.0	16	32	32	7500	3750	27.5
R3409.R173	24.0	16	32	32	3600	1800	30
R3409.R174	24.0	16	32	32	3600	1800	27.5
R3409.R204	30.0	20	40	40	9500	4750	60.0
R3409.R205	30.0	20	40	40	9500	4750	80.0
R3409.L040	6.0	8	8	4	650	325	0.4
R3409.L041	6.0	8	8	4	650	325	0.4
R3409.L042	7.5	10	10	5	1000	500	0.4
R3409.L051	7.5	10	10	5	1000	500	0.5
R3409.L052	9.0	12	12	6	1200	600	0.5
R3409.L061	9.0	12	12	6	1400	700	1.5
R3409.L081	12.0	16	16	8	2700	1350	5.0
R3409.L102	15.0	20	20	10	4700	2350	15.0
R3409.L103	15.0	20	20	10	4700	2350	6.0
R3409.L122	18.0	24	24	12	5700	2850	20.0
R3409.L123	18.0	24	24	12	5700	2850	15.0
R3409.L142	22.5	27	27	14	6600	3300	25.0
R3409.L152	22.5	27	27	14	3200	1600	25.0
R3409.L163	24.0	32	32	16	7500	3750	30.0
R3409.L164	24.0	32	32	16	7500	3750	27.5
R3409.L173	24.0	32	32	16	3600	1800	30.0
R3409.L174	24.0	32	32	16	3600	1800	27.5
R3409.L204	30.0	40	40	20	9500	4750	60.0
R3409.L205	30.0	40	40	20	9500	4750	80.0



Zinc plated steel

Clevis with retention clip
R3385 and R3386



Clevis with R3450 clevis pin
R3440 safety fastener



Clevis with R3450 clevis pins
and R3447 circlip



Clevis with clevis pin, washer and
cotter pin R3389 and R3390



Stainless steel

Clevis with clevis pin and circlips
R3406 and R3407



Clevis with clevis pin, washer and
cotter pin R3404 and R3405



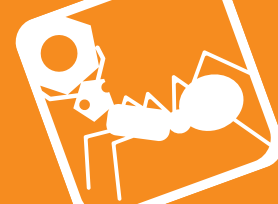
Assembly options

Clevis with R3420 mating piece
and R3435 clevis retention clip



Clevis with R3554 rod end and
R3435 clevis retention clip



**Clevises M6 - M42**

Clevis joints axially loaded.

Material

Leaded low carbon steel (AISI 12L14, 1.0718).

Clevis size	F min (kN)	F max (kN)	F average value (kN)	Avg. force when clevis starts to deform (kN)
6x24 M 6	16,0	19,5	17,6	15,3
8x32 M 8	33,2	35,6	34,6	29,3
10x40 M10	42,0	52,0	47,5	41,3
12x48 M12	53,0	68,5	61,1	50,2
14x56 M14	60,5	64,5	63,0	48,8
16x64 M16	133,5	146,0	140,2	115
20x40 M20	194,5	234,0	213,5	176
25x50 M25	311,0	336,0	328,0	260
30x60 M30	428,0	450,0	440,6	343
36x72 M36	566,0	573,0	569,5	300
35x72 M36	561,2	567,9	564,6	370
42x84 M42	904,6	904,6	904,6	420

Information

Important note: values in this table are indicative only and should only be used as a rough guide. The Company cannot foresee the intended applications of their products and we accept no liability for any actions taken by third parties. Customers are advised to use their own safety factors and/or perform their own testing on the clevis joint to ensure it meets requirements for their application.