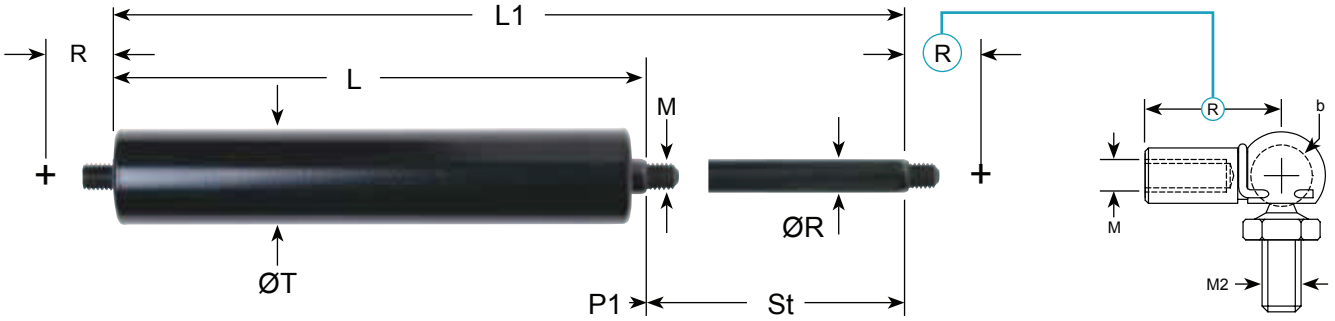
NITRIDER® Traction



Key of measurements

Ø R (mm) = Rod Diameter
Ø T (mm) = Tube Diameter
St (mm) = Stroke
L (mm) = Length
L1 (mm) = Extended Length
P1 (N) = Force
M (mm) = Thread Size
PG = Price Group

Traction struts are great for systems where a tensional load, similar to an extension spring, needs to be applied to hold a system open or hold a lid closed. This gas strut compliments the existing range by giving the user the ability to operate in traction rather than in compression. The rod maintains a nitrided surface that compliments the black painted body similar to the standard series of struts.

Ordering Your Gas Strut:
Please use the Part Number e.g. T08BAB and then the Newton Force required:
e.g. 10 = 0010 & 100 = 0100

Gas strut selection tools and calculations are available in the Engineering section of this catalogue (page 22).

Part Number	Ø R (mm)	Ø T (mm)	St (mm)	L (mm)	L1 (mm)	P1 (N)	M (mm)	PG
T08BAB	8	22	60	160	220	100 – 800	M6 x 1.0	NT01
T08DCX	8	22	80	180	260	100 – 800	M6 x 1.0	NT02
T08FAD	8	22	100	200	300	100 – 800	M6 x 1.0	NT03
T08GCW	8	22	120	220	340	100 – 800	M6 x 1.0	NT04
T08KCV	8	22	160	260	420	100 – 800	M6 x 1.0	NT05
T08NCR	8	22	200	300	500	100 – 800	M6 x 1.0	NT06
T08PAR	8	22	250	349	599	100 – 800	M6 x 1.0	NT07
T08YCY	8	22	20	100	120	100 – 800	M6 x 1.0	NT08
T10ACM	10	28	50	150	200	150 – 1200	M8 x 1.25	NT09
T10FAD	10	28	100	200	300	150 – 1200	M8 x 1.25	NT10
T10JAH	10	28	150	249	399	150 – 1200	M8 x 1.25	NT11
T10NCR	10	28	200	300	500	150 – 1200	M8 x 1.25	NT12
T10PAR	10	28	250	349	599	150 – 1200	M8 x 1.25	NT13
T10RCP	10	28	300	400	700	150 – 1200	M8 x 1.25	NT14

END FITTINGS (pages 26 - 29) Zinc Plated, Stainless Steel, Plastic

M	Ø R	Ball Joint	Clevis	Eye	Axial Ball Joint	Ball Socket	Ball Stud	Rod End Bearing	Spacer
M6 x 1.0	6 & 8	✓	✓	✓	✓	✓	✓	✓	✓
M8 x 1.25	10	✓	✓	✓	✓	✓	✓	✓	✓

Other end fitting configurations are available on request. Please see pages 26-29 for complete details and dimensions for stock parts.

Can't find the strut you're looking for? Send us an enquiry.

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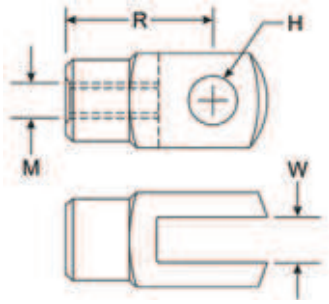
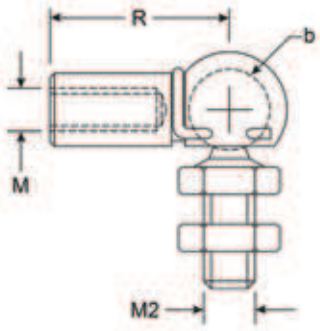
End Fittings

Clevis



	EF-C006Z	EF-C002 Z/S	EF-C003 Z/S	EF-C004 Z/S	EF-C007Z
R	16	24	32	40	56
M	M4	M6	M8	M10	M14
H	4	6	8	10	14
W	4	6	8	10	14
Ø R	4	6 & 8	10	14	20
PG	C01	Z C01 S C02	Z C05 S C04	Z C07 S C05	C08

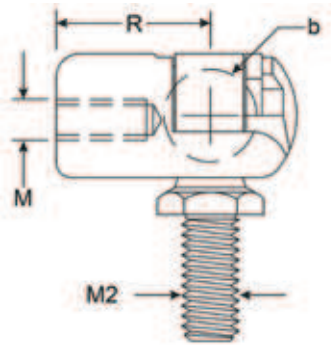
Ball Joint Assembly



	EF-BJ016 Z	EF-BJ012 Z/S	EF-BJ005 Z/S	EF-BJ006 Z
R	16	18	25	25
M	M4	M6	M6	M8
b	8	10	10	13
M2	M4	M8	M8	M8
Ø R	4	6 & 8	6 & 8	10
PG	BJ12	Z BJ10 S BJ09	Z BJ02 S BJ01	BJ03

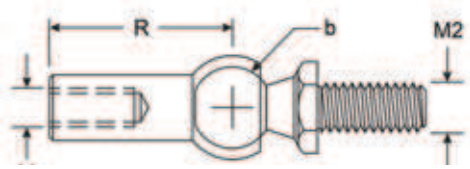
	EF-BJ008 S	EF-BJ007 Z/S	EF-BJ010 Z/S	EF-BJ018 Z
R	25	30	35	45
M	M8	M8	M10	M14
b	13	13	16	19
M2	M8	M8	M10	M14
Ø R	10	10	14	20
PG	BJ06	Z BJ05 S BJ04	Z BJ08 S BJ07	BJ13

Ball Joint Assembly – composite



	EF-BJ014 PN	EF-BJ015 PN
R	18	18
M	M6	M8
b	10	10
M2	M8	M8
Ø R	6 & 8	10
PG	BJ11	BJ11

Axial Ball Joint



	EF-AJ001 Z	EF-AJ002 Z	EF-AJ003 Z
R	25	30	35
M	M6	M8	M10
b	10	13	16
M2	M6	M8	M10
Ø R	6 & 8	10	14
PG	ABJ01	ABJ02	ABJ03

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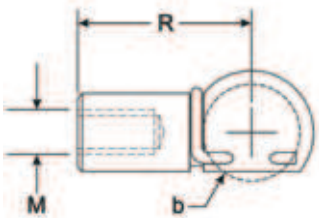
Key of measurements

Ø R (mm)	=	Rod Diameter	**t (mm)**	=	Thickness	**S**	=	Stainless
M (mm)	=	Thread Size	**W (mm)**	=	Slot Width	**N**	=	Nitride
b (mm)	=	Ball Size	**R (mm)**	=	Fitting Length	**P**	=	Plastic
H (mm)	=	Hole Size	**Z**	=	Zinc	**PG**	=	Price Group

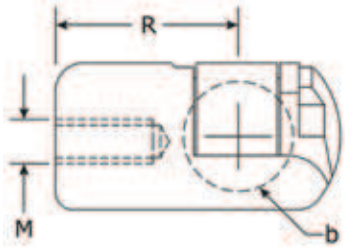
Ball Socket



	EF-BS002 Z/S	EF-BS013 Z/S	EF-BS005 Z/S	EF-BS006 Z/S
R	18	25	30	30
M	M6	M6	M8	M8
b	10	10	13	10
Ø R	6 & 8	6 & 8	10	10
PG	Z BST03 S BST02	Z BST13 S BST12	Z BST06 S BST05	Z BST08 S BST07

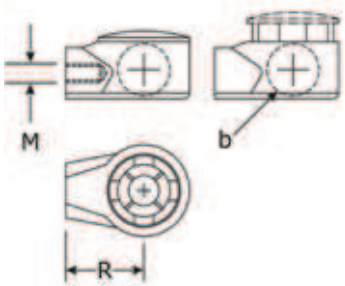
	EF-BS011 Z/S	EF-BS016 Z/S	EF-BS017 Z/S	EF-BS020 Z
R	25	25	35	35
M	M8	M8	M10	M14
b	13	10	16	19
Ø R	10	10	14	20
PG	Z BST11 S BST10	Z BST16 S BST15	Z BST18 S BST17	BST19

Ball Socket – composite



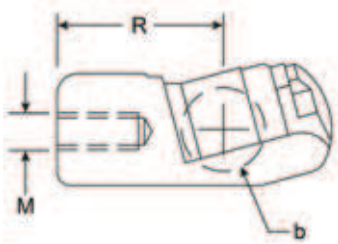
	EF-BS001 PN
R	18
M	M6
b	10
Ø R	6 & 8
PG	BST01

Ball Socket – plastic



	EF-BS004 P
R	18
M	M6
b	10
Ø R	6 & 8
PG	BST04

Ball Socket Angled – composite



	EF-BS014 PN	EF-BS015 PN
R	18	18
M	M6	M8
b	10	10
Ø R	6 & 8	10
PG	BST14	BST14

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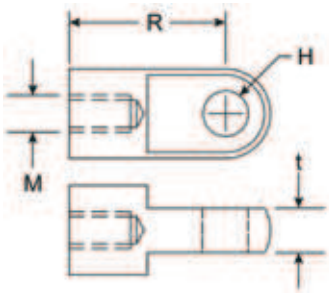
End Fittings

Eyes – round

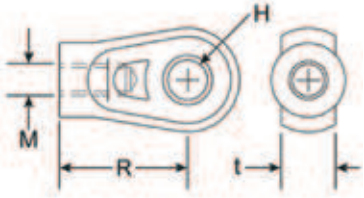


	EF-E059 Z	EF-E044 Z/S	EF-E045 Z/S	EF-E046 Z/S	EF-E047 Z/S
R	12	28	28	28	28
M	M4	M6	M6	M6	M6
H	4.1	6.1	6.1	8.1	8.1
t	4	5	8	8	5
Ø R	4	6 & 8	6 & 8	6 & 8	6 & 8
PG	EY20	Z EY10 S EY09	Z EY11 S EY09	Z EY11 S EY09	Z EY11 S EY09

	EF-E048 Z/S	EF-E049 Z/S	EF-E050 Z/S	EF-E051 Z/S	EF-E015 A/S
R	28	28	28	28	35
M	M8	M8	M8	M8	M10
H	8.1	8.1	10.1	10.1	10.1
t	5	8	5	8	10
Ø R	10	10	10	10	14
PG	Z EY12 S EY09	Z EY12 S EY09	Z EY12 S EY09	Z EY12 S EY09	A EY02 S EY03

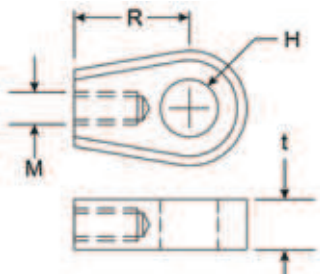
	EF-E026 A/S	EF-E056 A/S	EF-E068 Z	EF-E057 A/S	EF-E058 A/S
R	35	35	35	25	25
M	M10	M10	M14	M10	M10
H	8.1	12.1	14.1	10.1	8.1
t	10	10	11	12	12
Ø R	14	14	20	14	14
PG	A EY04 S EY05	A EY14 S EY15	EY21	A EY16 S EY17	A EY18 S EY19

Eyes – plastic



	EF-E012 P	EF-E042 P	EF-E043 P
R	28	28	28
M	M6	M6	M6
H	8.2	6.2	10.2
t	10	10	10
Ø R	6 & 8	6 & 8	6 & 8
PG	EY01	EY08	EY08

Eyes – diecast



	EF-E037 Z	EF-E038 Z
R	13	13
M	M6	M6
H	6.2	8.2
t	10	10
Ø R	6 & 8	6 & 8
PG	EY06	EY07

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Key of measurements

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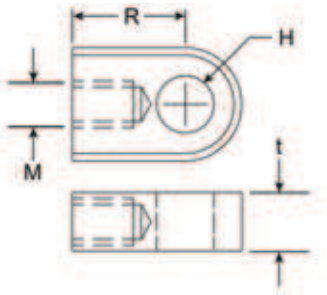
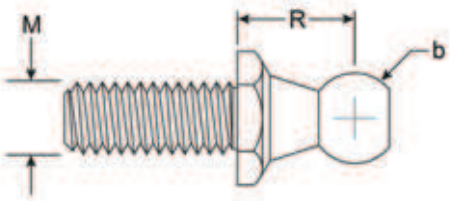
M (mm)	=	Thread Size	**W (mm)**	=	Slot Width	**N**	=	Nitride
b (mm)	=	Ball Size	**R (mm)**	=	Fitting Length	**P**	=	Plastic
H (mm)	=	Hole Size	**Z**	=	Zinc	**PG**	=	Price Group

Eyes – flat



	EF-E052 Z/S	EF-E053 Z/S	EF-E054 Z/S	EF-E055 Z/S
R	16	16	16	16
M	M6	M6	M8	M8
H	6.1	8.1	8.1	10.1
t	8	8	10	10
Ø R	6 & 8	6 & 8	10	10
PG	Z / EY12 / S / EY13	Z / EY12 / S / EY13	Z / EY12 / S / EY13	Z / EY12 / S / EY13

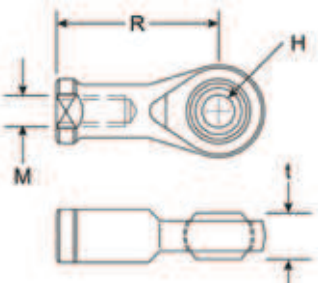
Ball Stud



	EF-B001 Z/S	EF-B002 S	EF-B009 Z	EF-B003 Z
R	14.5	14.5	14.5	14.5
M2	M8 x 12	M6 x12	M8 x 25	M8 x 15.5
b	10	10	10	13
Ø R	8	8	8	10
PG	Z / BS02 / S / BS01	BS03	BS04	BS05

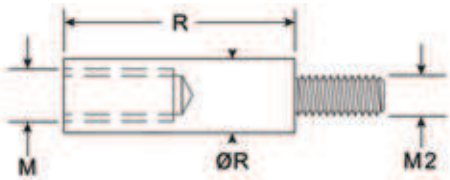
	EF-B004 S	EF-B005 Z	EF-B013 Z
R	13	13	20
M2	M8 x 15.5	M10 x 20	M14
b	13	13	19
Ø R	10	10	20
PG	BS06	BS07	BS08

Rod End Bearings



	EF-REF002 Z	EF-REF003 Z	EF-REF004 Z	EF-REF007 Z/S
R	30	36	43	57
M	M6	M8	M10	M14
H	6	8	10	14
t	9	12	14	19
Ø R	6 & 8	10	12	12
PG	REF01	REF02	REF03	Z / REF05 / S / REF04

Spacers



	EF-S001S	EF-S002S	EF-S003S	EF-S004S	EF-S005S	EF-S006S
R	20	50	20	50	20	50
M	M6	M6	M8	M8	M10	M10
M2	M6	M6	M8	M8	M10	M10
Ø R	10	10	12	12	16	16
PG	S01	S01	S01	S02	S01	S03

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