

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.



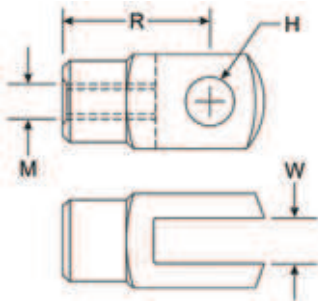
We reserve the right to add, delete or modify components without notification. All dimensions are stated in mm. All dimensions are nominal unless tolerance is stated.

call: 01386 443 366
email: sales@assocspring.co.uk



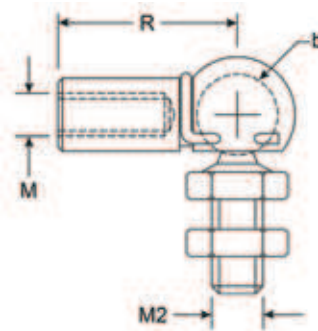
End Fittings

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 |

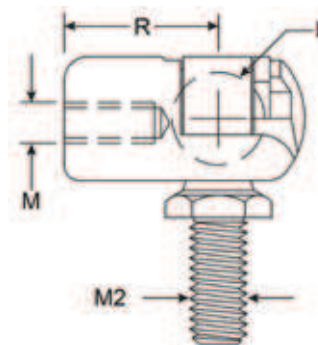
Ball Joint Assembly



| | 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 |

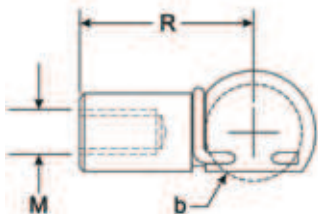
end fittings



Key of measurements

$\varnothing R$ (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

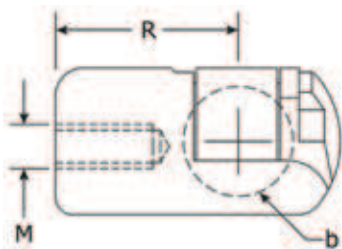
Ball Socket



| | 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 |
| $\varnothing R$ | 6 & 8 | 6 & 8 | 10 | 10 |
| PG | Z BST03 S BST02 | Z BST13 S BST12 | Z BST06 S BST05 | Z BST08 S BST07 |

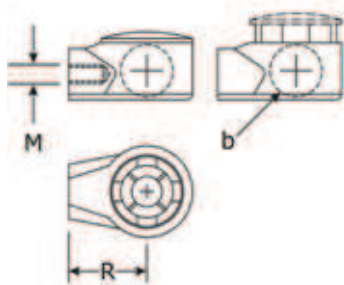
| | EF-BS011 Z/S | EF-BS016 Z/S | EF-BS017 Z/S | EF-BS020 Z |
|-----------------|-----------------|-----------------|-----------------|------------|
| R | 25 | 25 | 35 | 35 |
| M | M8 | M8 | M10 | M14 |
| b | 13 | 10 | 16 | 19 |
| $\varnothing R$ | 10 | 10 | 14 | 20 |
| PG | Z BST11 S BST10 | Z BST16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

Ball Socket – composite



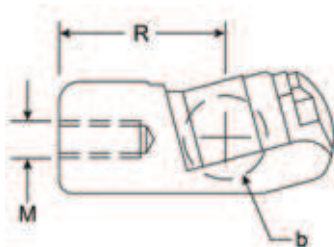
| | EF-BS001 PN |
|-----------------|-------------|
| R | 18 |
| M | M6 |
| b | 10 |
| $\varnothing R$ | 6 & 8 |
| PG | BST01 |

Ball Socket – plastic



| | EF-BS004 P |
|-----------------|------------|
| R | 18 |
| M | M6 |
| b | 10 |
| $\varnothing R$ | 6 & 8 |
| PG | BST04 |

Ball Socket Angled – composite

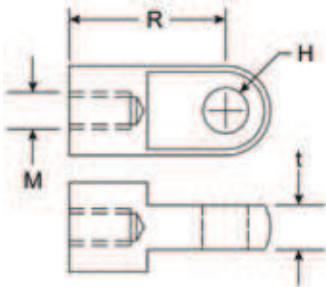


| | EF-BS014 PN | EF-BS015 PN |
|-----------------|-------------|-------------|
| R | 18 | 18 |
| M | M6 | M8 |
| b | 10 | 10 |
| $\varnothing R$ | 6 & 8 | 10 |
| PG | BST14 | BST14 |



End Fittings

Eyes – round

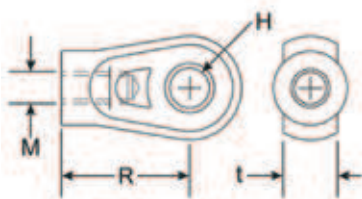


| | EF-E059 Z | EF-E044 Z/S | EF-E045 Z/S | EF-E046 Z/S | EF-E047 Z/S |
|------------|-----------|---------------|---------------|---------------|---------------|
| R | 12 | 28 | 28 | 28 | 28 |
| M | M4 | M6 | M6 | M6 | M6 |
| H | 4.1 | 6.1 | 6.1 | 8.1 | 8.1 |
| t | 4 | 5 | 8 | 8 | 5 |
| Ø R | 4 | 6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

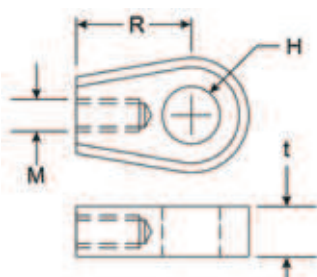
| | EF-E026 A/S | EF-E056 A/S | EF-E068 Z | EF-E057 A/S | EF-E058 A/S |
|------------|---------------|---------------|-----------|---------------|---------------|
| R | 35 | 35 | 35 | 25 | 25 |
| M | M10 | M10 | M14 | M10 | M10 |
| H | 8.1 | 12.1 | 14.1 | 10.1 | 8.1 |
| t | 10 | 10 | 11 | 12 | 12 |
| 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



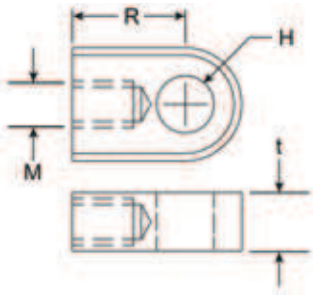
| | EF-E037 Z | EF-E038 Z |
|------------|-----------|-----------|
| R | 13 | 13 |
| M | M6 | M6 |
| H | 6.2 | 8.2 |
| t | 10 | 10 |
| Ø R | 6 & 8 | 6 & 8 |
| PG | EY06 | EY07 |



Key of measurements

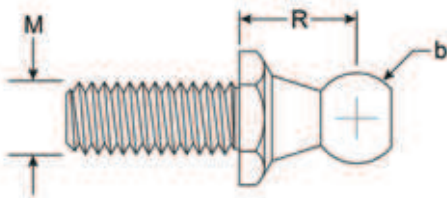
| | | |
|-------------------------------------|--------------------------------|-------------------------|
| $\varnothing R$ (mm) = Rod Diameter | t (mm) = Thickness | S = Stainless |
| M (mm) = Thread Size | W (mm) = Slot Width | N = Nitride |
| b (mm) = Ball Size | R (mm) = Fitting Length | P = Plastic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

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 |
| $\varnothing R$ | 6 & 8 | 6 & 8 | 10 | 10 |
| PG | Z EY12 S EY13 | Z EY12 S EY13 | Z EY12 S EY13 | Z EY12 S EY13 |

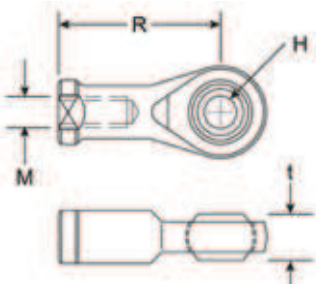
Ball Stud



| | 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 x 12 | M8 x 25 | M8 x 15.5 |
| b | 10 | 10 | 10 | 13 |
| $\varnothing R$ | 8 | 8 | 8 | 10 |
| PG | Z BS02 S BS01 | BS03 | BS04 | BS05 |

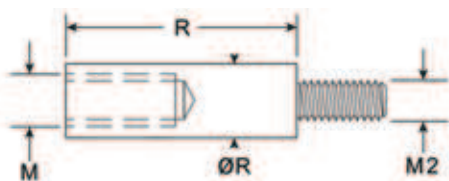
| | EF-B004 S | EF-B005 Z | EF-B013 Z |
|-----------------|-----------|-----------|-----------|
| R | 13 | 13 | 20 |
| M2 | M8 x 15.5 | M10 x 20 | M14 |
| b | 13 | 13 | 19 |
| $\varnothing R$ | 10 | 10 | 20 |
| PG | BS06 | BS07 | BS08 |

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 |
| $\varnothing R$ | 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 |
| $\varnothing R$ | 10 | 10 | 12 | 12 | 16 | 16 |
| PG | S01 | S01 | S01 | S02 | S01 | S03 |

