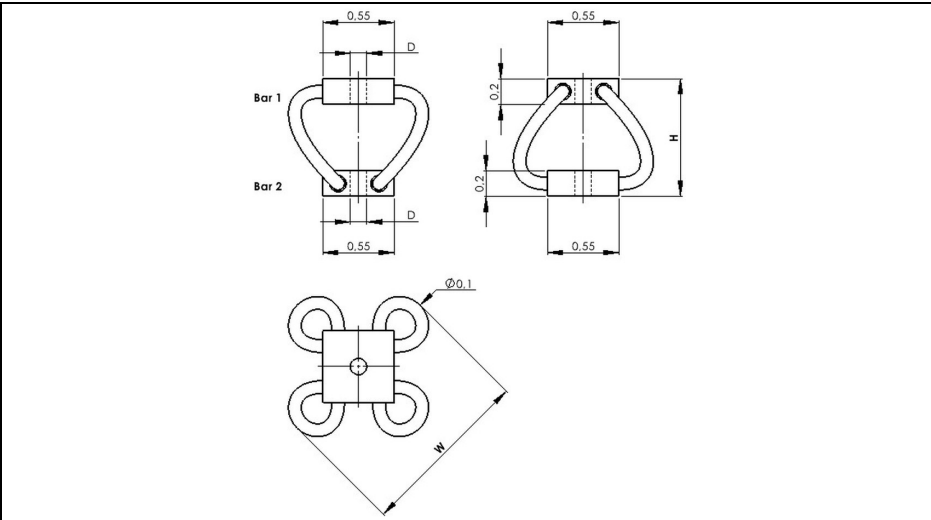


# WIRE ROPE ISOLATORS: 'POLYCAL'



- All metal multidirectional anti-vibration/shock mounts
- Exceptional reliability and long life
- High damping
- No ageing
- Corrosion resistant
- Unequalled temperature range:
  - 180°C to 300°C
- Great adaptability/versatility

SPECIALS ON REQUEST  
(material and size)

Dimensions are in inches. For reference only

| SERIES                                              |
|-----------------------------------------------------|
| Materials and finishes<br>(meets RoHS requirements) |
| <b>MP08</b>                                         |
| <b>Cable:</b><br>stainless steel                    |
| <b>Bars:</b><br>aluminium alloy /<br>surtec 650     |
| Other materials on request                          |

| MODEL | height<br>H(in) | width<br>W(in) | weight<br>(oz) |
|-------|-----------------|----------------|----------------|
| -46   | 0.75            | 1.22           | 0.14           |
| -48   | 0.91            | 1.34           | 0.18           |
| -50   | 1.06            | 1.50           | 0.18           |
| -54   | 1.18            | 1.77           | 0.18           |

| INTERFACES                                   |                           |                                                 |                     |
|----------------------------------------------|---------------------------|-------------------------------------------------|---------------------|
| fixtures holes D                             | Bar 1                     |                                                 |                     |
|                                              | through holes ø<br>3,2 mm | through holes ø<br>3,2 mm<br>countersunk<br>90° | threaded hole<br>M3 |
| Bar 2                                        |                           |                                                 |                     |
| through holes ø<br>3,2 mm                    |                           |                                                 |                     |
| through holes ø<br>3,2 mm<br>countersunk 90° |                           |                                                 |                     |
| threaded hole M3                             |                           |                                                 |                     |

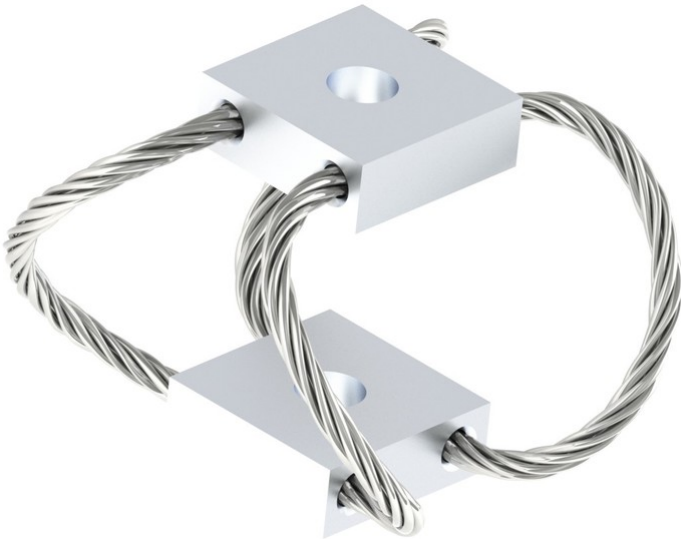
Other interfaces on request.

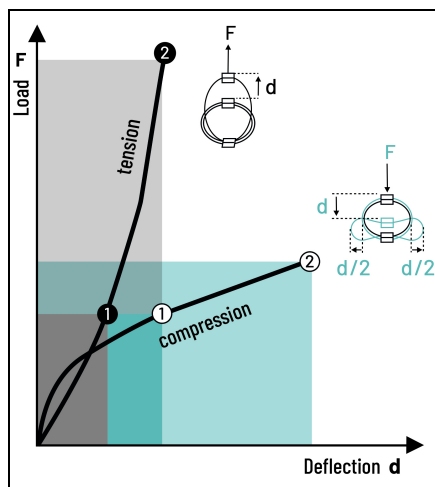
|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| M | P | 0 | 8 | - | 4 | 6 |
|---|---|---|---|---|---|---|

SERIE: MP08  
'Polycal' mount from the  
MP08 series

MODEL: -46  
height: 0.75in  
width: 1.22in  
weight: 0.14oz

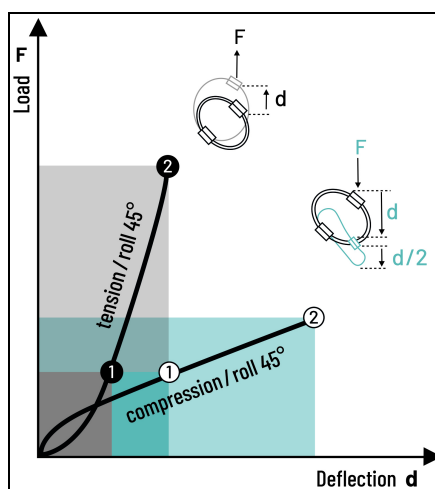
INTERFACE:  
through  
holes  
ø 3,2  
mm  
countersunk  
90° in  
bar 1,  
threaded  
hole  
M3 in  
bar 2





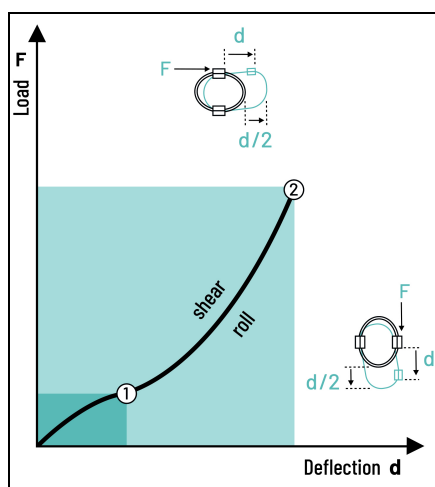
## COMPRESSION AND TENSION

| MP08 Series     | Model | -46   | -48   | -50   | -54   |
|-----------------|-------|-------|-------|-------|-------|
| 1.Max Static    | F lbf | 4.77  | 4.02  | 3.08  | 2.47  |
|                 | d in  | 0.06  | 0.09  | 0.11  | 0.15  |
| 2.Max Shock     | F lbf | 14.28 | 12.07 | 9.22  | 7.40  |
|                 | d in  | 0.33  | 0.47  | 0.62  | 0.83  |
| 3.Max Vibration | 2a in | 0.04  | 0.05  | 0.07  | 0.09  |
|                 | f Hz  | 15.51 | 13.19 | 11.62 | 10.15 |
| 1.Max Static    | F lbf | 4.77  | 4.02  | 3.08  | 2.47  |
|                 | d in  | 0.06  | 0.07  | 0.09  | 0.10  |
| 2.Max Shock     | F lbf | 62.02 | 43.46 | 31.83 | 22.71 |
|                 | d in  | 0.33  | 0.33  | 0.40  | 0.42  |
| 3.Max Vibration | 2a in | 0.04  | 0.04  | 0.04  | 0.05  |
|                 | f Hz  | 17.73 | 16.81 | 15.25 | 14.52 |



## COMPRESSION/ROLL 45° - TENSION/ROLL 45°

| MP08 Series     | Model | -46   | -48   | -50   | -54   |
|-----------------|-------|-------|-------|-------|-------|
| 1.Max Static    | F lbf | 3.57  | 3.01  | 2.32  | 1.84  |
|                 | d in  | 0.10  | 0.13  | 0.17  | 0.20  |
| 2.Max Shock     | F lbf | 9.76  | 8.00  | 6.07  | 4.74  |
|                 | d in  | 0.50  | 0.71  | 0.92  | 1.24  |
| 3.Max Vibration | 2a in | 0.06  | 0.08  | 0.10  | 0.14  |
|                 | f Hz  | 11.59 | 9.85  | 8.64  | 7.58  |
| 1.Max Static    | F lbf | 3.57  | 3.01  | 2.32  | 1.84  |
|                 | d in  | 0.07  | 0.08  | 0.11  | 0.13  |
| 2.Max Shock     | F lbf | 31.29 | 21.69 | 15.85 | 11.22 |
|                 | d in  | 0.37  | 0.38  | 0.46  | 0.48  |
| 3.Max Vibration | 2a in | 0.04  | 0.04  | 0.05  | 0.05  |
|                 | f Hz  | 14.33 | 13.53 | 12.33 | 11.78 |



## SHEAR OR ROLL

| MP08 Series     | Model | -46   | -48   | -50  | -54  |
|-----------------|-------|-------|-------|------|------|
| 1.Max Static    | F lbf | 2.38  | 2.00  | 1.53 | 1.24 |
|                 | d in  | 0.12  | 0.16  | 0.22 | 0.25 |
| 2.Max Shock     | F lbf | 10.79 | 8.39  | 6.23 | 4.86 |
|                 | d in  | 0.40  | 0.48  | 0.59 | 0.71 |
| 3.Max Vibration | 2a in | 0.04  | 0.05  | 0.07 | 0.08 |
|                 | f Hz  | 12.01 | 10.88 | 9.68 | 8.71 |

1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak
4. sinusoidal vibration input (2a)

**\*IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

## TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Air           | AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810                                        |
| Ground Forces | GAM EG13A, SEFT 001, MIL-STD-810, VG 9533                                           |
| Marine        | GAM EG13C, IT25-21/96-31/15-86, MIL-S-167, MIL-S-901, STANAG 042, BV 043.73, BV 044 |
| Others        | GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C                            |