

# WIRE ROPE ISOLATORS: **AXYCAL**

DEFINITION  
**series AX5**

**STIFF - R**      **MEDIUM - M**      **SOFT - S**

- All metal multidirectional anti-vibration/ shock mounts.
- Exceptional reliability and long life.
- High damping.
- No ageing.
- Corrosion resistant.
- Unequalled temperature range: -180°C +150°C.
- Great adaptability / versatility.

**SPECIALS ON REQUEST**  
(material size and shape of loops, etc.)

Dimensions are in mm. For reference only.

| SERIE                                               | MODEL |    |    |    | STIFFNESS |   |
|-----------------------------------------------------|-------|----|----|----|-----------|---|
| Materials and finishes<br>(meets RoHS requirements) |       |    |    |    | Type      |   |
| <b>AX5</b>                                          |       |    |    |    | Soft      | S |
| <b>Cable:</b><br>stainless steel                    | -20   | 15 | 18 | 33 |           |   |
| <b>Interfaces:</b><br>stainless steel               | -25   | 18 | 23 | 36 | Medium    | M |
|                                                     | -30   | 21 | 27 | 39 |           |   |
|                                                     | -35   | 23 | 32 | 41 |           |   |
|                                                     |       |    |    |    | Stiff     | R |
|                                                     |       |    |    |    |           |   |

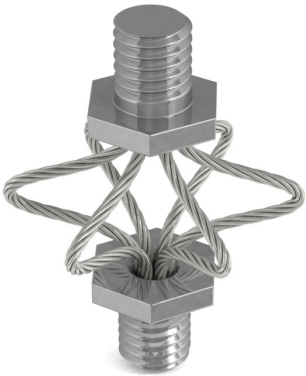
EXAMPLE  
AX5-35S

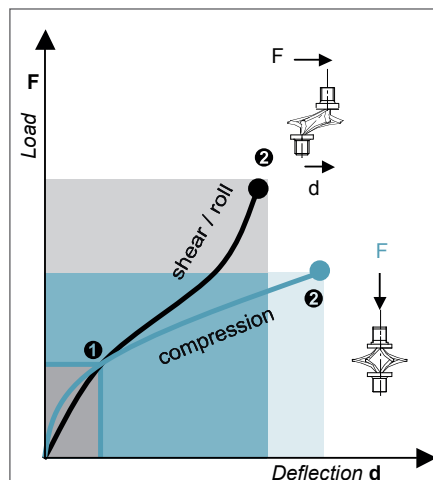
|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| A | X | 5 | - | 3 | 5 | S |
|---|---|---|---|---|---|---|

**PREFIX:**  
'axycal' mount from  
the **AX5** series

**MODEL: -35**  
height: 23mm  
width: 32mm  
length: 41mm

**SUFFIX: S**  
Soft type





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 sinusoidal vibration input (2a)

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

## COMPRESSION AND SHEAR/ROLL

| AX5 Series Soft  | Model | -20S  | -25S  | -30S | -35S |  |  |  |  |  |
|------------------|-------|-------|-------|------|------|--|--|--|--|--|
| 1. Max Static    | F daN | 1,90  | 1,47  | 1,18 | 0,98 |  |  |  |  |  |
|                  | d mm  | 1,6   | 2,0   | 2,5  | 3,0  |  |  |  |  |  |
| 2. Max Shock     | F daN | 5,70  | 4,40  | 3,54 | 2,93 |  |  |  |  |  |
|                  | d mm  | 8,4   | 11,0  | 13,6 | 16,2 |  |  |  |  |  |
| 3. Max Vibration | 2a mm | 0,9   | 1,2   | 1,5  | 1,8  |  |  |  |  |  |
|                  | f Hz  | 11,2  | 9,7   | 8,6  | 7,8  |  |  |  |  |  |
| 1. Max Static    | F daN | 1,90  | 1,47  | 1,18 | 0,98 |  |  |  |  |  |
|                  | d mm  | 1,5   | 1,9   | 2,2  | 2,6  |  |  |  |  |  |
| 2. Max Shock     | F daN | 24,02 | 17,71 | 13,8 | 11,2 |  |  |  |  |  |
|                  | d mm  | 7,8   | 9,4   | 11,0 | 12,7 |  |  |  |  |  |
| 3. Max Vibration | 2a mm | 0,9   | 1,0   | 1,22 | 1,40 |  |  |  |  |  |
|                  | f Hz  | 14,4  | 12,9  | 11,8 | 10,9 |  |  |  |  |  |

## COMPRESSION AND SHEAR/ROLL

| AX5 Series Med   | Model | -20M  | -25M  | -30M  | -35M  |  |  |  |  |  |
|------------------|-------|-------|-------|-------|-------|--|--|--|--|--|
| 1. Max Static    | F daN | 2,31  | 1,79  | 1,44  | 1,19  |  |  |  |  |  |
|                  | d mm  | 1,6   | 2,0   | 2,5   | 3,0   |  |  |  |  |  |
| 2. Max Shock     | F daN | 6,92  | 5,36  | 4,31  | 3,57  |  |  |  |  |  |
|                  | d mm  | 8,4   | 11,0  | 13,6  | 16,2  |  |  |  |  |  |
| 3. Max Vibration | 2a mm | 0,9   | 1,2   | 1,5   | 1,8   |  |  |  |  |  |
|                  | f Hz  | 10,9  | 9,4   | 8,3   | 7,6   |  |  |  |  |  |
| 1. Max Static    | F daN | 2,31  | 1,79  | 1,44  | 1,19  |  |  |  |  |  |
|                  | d mm  | 1,4   | 1,7   | 2,0   | 2,4   |  |  |  |  |  |
| 2. Max Shock     | F daN | 27,02 | 19,96 | 15,59 | 12,66 |  |  |  |  |  |
|                  | d mm  | 6,8   | 8,2   | 9,6   | 11,0  |  |  |  |  |  |
| 3. Max Vibration | 2a mm | 0,8   | 0,9   | 1,0   | 1,2   |  |  |  |  |  |
|                  | f Hz  | 15,0  | 13,4  | 12,3  | 11,4  |  |  |  |  |  |

## COMPRESSION AND SHEAR/ROLL

| AX5 Series Stiff | Model | -20R  | -25R  | -30R  | -35R  |  |  |  |  |  |
|------------------|-------|-------|-------|-------|-------|--|--|--|--|--|
| 1. Max Static    | F daN | 2,84  | 2,20  | 1,77  | 1,47  |  |  |  |  |  |
|                  | d mm  | 1,6   | 2,0   | 2,5   | 3,0   |  |  |  |  |  |
| 2. Max Shock     | F daN | 8,51  | 6,60  | 5,32  | 4,42  |  |  |  |  |  |
|                  | d mm  | 8,4   | 11,0  | 13,6  | 16,2  |  |  |  |  |  |
| 3. Max Vibration | 2a mm | 0,9   | 1,2   | 1,5   | 1,8   |  |  |  |  |  |
|                  | f Hz  | 10,6  | 9,0   | 8,0   | 7,2   |  |  |  |  |  |
| 1. Max Static    | F daN | 2,84  | 2,20  | 1,77  | 1,47  |  |  |  |  |  |
|                  | d mm  | 1,3   | 1,6   | 1,9   | 2,2   |  |  |  |  |  |
| 2. Max Shock     | F daN | 30,64 | 22,69 | 17,75 | 14,43 |  |  |  |  |  |
|                  | d mm  | 5,9   | 7,0   | 8,2   | 9,4   |  |  |  |  |  |
| 3. Max Vibration | 2a mm | 0,7   | 0,8   | 0,9   | 1,0   |  |  |  |  |  |
|                  | f Hz  | 15,7  | 14,1  | 12,9  | 12,0  |  |  |  |  |  |

## TYPICAL SHOCK / VIBRATION SPECIFICATIONS:

### Ground Forces

GAM EG13A, SEFT 001, MIL-STD-810, VG 95332.

### Air

AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810.

### 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.