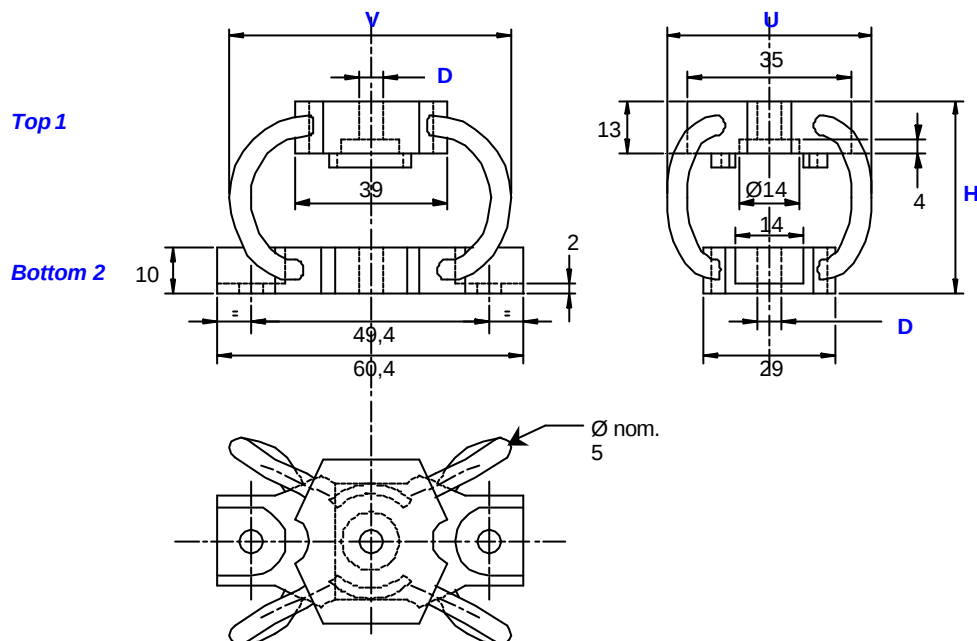


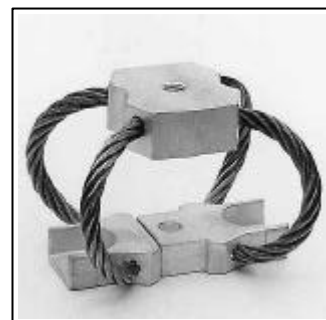
wire rope isolators standard line "Polycal"

series
MP6

definition



- All metal multidirectional anti-vibration/shock mounts.
- Exceptional reliability and long life.
- High damping.
- No ageing.
- Corrosion resistant.
- Unequalled temperature range : -180°C +300°C.
- Cheap and quick prototypes from stock.



Series

Materials and finishes

MP6

Cable :
stainless steel.
Interfaces :
aluminium alloy.
Insert :
stainless steel.

Other materials
on request.

Model

	height H (mm)	width U (mm)	width V (mm)	mass (kg)
-90	40	48	60	0,08
-120	50	56	67	0,09
-145	58	60	70	0,10
-195	74	70	82	0,11

Interfaces

fixture holes

D

Top 1

1 through holes $\varnothing$ 5,8 mm
(option : Insert M8)

Bottom 2

2 through holes $\varnothing$ 5,8 mm

Example :
MP6-120

Prefix :
"Polycal" mount
from the MP6 series

M P 6 - 1 2 0

Model : -120
height : 50 mm
width U : 56 mm
width V : 67 mm
mass : 0,09 kg

01/01/2003

Socitec
BP 33, 78501 Sartrouville cedex - France
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Fax : +33 (0)1 39 14 03 27
<http://www.socitec.com>
e-mail : shock-intl@socitec.com

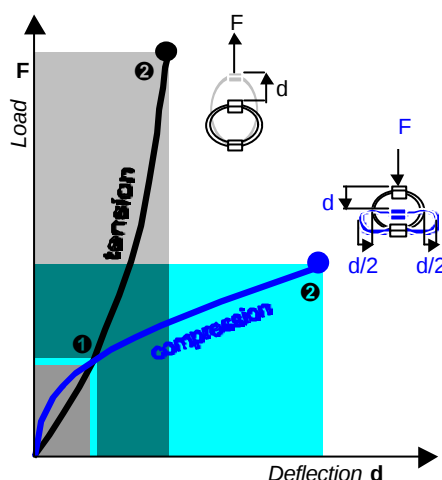
Document subject to modification without prior notice



series MP6

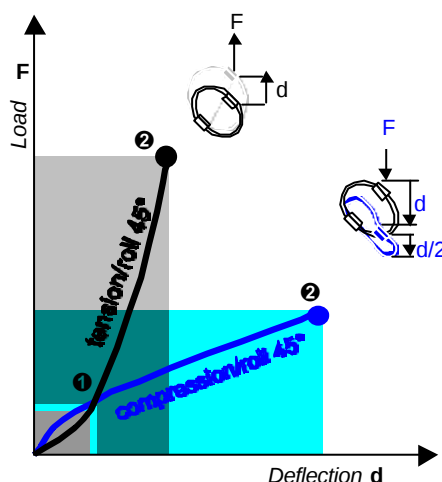
wire rope isolators standard line "Polycal"

performances*



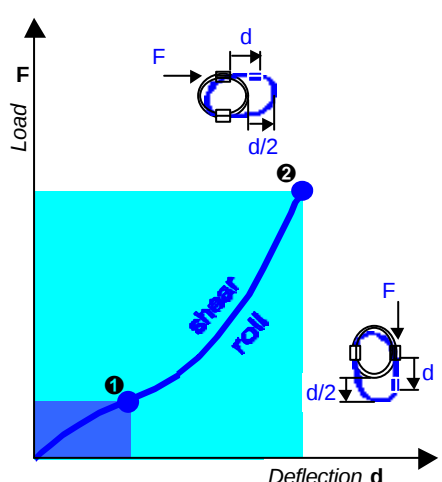
Compression and Tension

MP6 series	Model	-90	-120	-145	-195						
Max static	F daN	10,6	8,8	7,2	5,2						
①	d mm	3,1	4,8	6,1	8,5						
Max shock	F daN	31,7	26,3	21,6	15,5						
②	d mm	17	26	33	48						
Max vibration	2a mm	1,9	2,9	3,6	5,3						
③	f Hz	9,5	7,2	6,3	5,1						
Max static	F daN	10,6	8,8	7,2	5,2						
①	d mm	2,7	3,5	4,2	5,8						
Max shock	F daN	106	74,3	58,9	40,7						
②	d mm	13	14	16	22						
Max vibration	2a mm	1,4	1,5	1,8	2,4						
③	f Hz	12,4	11,1	10,1	8,6						



Compression/roll 45°-Tension/roll 45°

MP6 series	Model	-90	-120	-145	-195						
Max static	F daN	7,9	6,6	5,4	3,9						
①	d mm	5,0	7,9	10,3	15,4						
Max shock	F daN	19,8	15,9	12,9	9,2						
②	d mm	26	39	50	72						
Max vibration	2a mm	2,8	4,3	5,4	7,9						
③	f Hz	8,0	6,1	5,3	4,2						
Max static	F daN	7,9	6,6	5,4	3,9						
①	d mm	4,2	5,4	6,5	9,0						
Max shock	F daN	78,7	54,2	42,8	29,5						
②	d mm	17	19	22	29						
Max vibration	2a mm	1,8	2,0	2,4	3,2						
③	f Hz	10,9	9,8	8,9	7,6						



Shear or roll

MP6 series	Model	-90	-120	-145	-195						
Max static	F daN	5,3	4,4	3,6	2,6						
①	d mm	5,9	9,1	11,5	16,8						
Max shock	F daN	32,5	21,4	16,4	11,2						
②	d mm	19	25	30	42						
Max vibration	2a mm	2,1	2,7	3,3	4,6						
③	f Hz	9,2	7,9	7,0	5,9						

- 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.

01/01/2003

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.

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