

INDUSTRIAL SHOCK ABSORBERS POWERSTOP THREAD M10X1.0

► SERIES

PowerStop®



- | | | | |
|--|------------------|----------------------------------|------------------------|
| ► Standard Energy pressure max. (abs.) | 1 [bar] | ► Locknut tightening torque max. | 5 [Nm] |
| ► High Energy pressure max. (abs.) | 10 [bar] | ► Force in end position max. | 2 [kN] |
| ► Adjustable Energy pressure max. (abs.) | 10 [bar] | ► Material | Stainless steel |
| ► Angle of Impact max. | 2 [°] | ► Material fixed stop | Aluminum nickel plated |
| ► Max. piston return time | 0.15 [s] | ► PWIS-free | Yes |
| ► Permitted temperature range | -10 ... +70 [°C] | ► RoHS compliant | Yes |
| ► Organic oil (biodegradable) | H1-certified | ► REACH compliant | Yes |

► TECHNICAL DATA

	Design	Series	Thread	Stroke variant	Stroke [mm]	Hardness degree	Impact velocity			Energy absorption max.			Protection	Return force		Head	Version
							min. max.		per stroke	per stroke		per stroke		min.	max.		
							[m/s]			[J]	[J/h]						
STANDARD ENERGY	P	SE	10X10	N	8	H	0,1	1,2	3	22.000	3	D	2	4	D	-A	
							M	0,8	2,2	3	22.000	3	A	2	4		S
							S	1,8	3,5	3	22.000	3	F	2	4		K
							W	3	5	3	22.000	3	B	2	9		K
HIGH ENERGY	P	HE	10X10	N	8	H	0,1	1,2	10	22.000	13	D	3,5	6	D	-A	
							M	0,8	2,2	10	22.000	13	A	3,5	6		S
							S	1,8	3,5	9	22.000	11	F	3,5	6		K
							W	3	5	9	22.000	11	B	3,5	11		K
ADJUSTABLE ENERGY	P	AE	10X10	N	8	H	0,1	5	10	22.000	10	D	3,5	6	D	-A	
							A	3,5	6	S							
							F	3,5	6	K							
							B	3,5	11	K							

► HOW TO ORDER CORRECTLY

P HE 10X10 N H B S -A



Product finder

- Calculate shock absorbers quicker
- Clearly arranged selection guide
- Smart solution – available on mobile devices

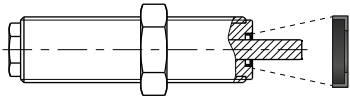
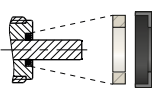
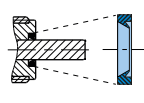
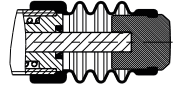
www.zimmer-group.de/en/pdti

Example order no.

PowerStop High Energy 10X10

- Stroke variant: standard (N)
- Hardness degree: Hard (H)
- Protection: bellow (B)
- Head: steel head (S)

PROTECTION

no protection	Felt ring	Wiper (NBR)	Bellow (TPE)
D -A	F -A	A -A	B -A
			
in a clean environment	against dust, chips, ...	against liquid, oil, ...	on request sealed

TECHNICAL DRAWINGS – STANDARD STROKE

N  -A

	no head	with steel head	with plastic head	with bellow and steel head	with bellow and plastic head
	D -A	S -A	K -A	B S -A	B K -A
STANDARD ENERGY					
HIGH ENERGY					
ADJUSTABLE ENERGY					



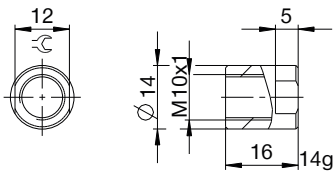
INDUSTRIAL SHOCK ABSORBERS POWERSTOP

THREAD M10X1.0

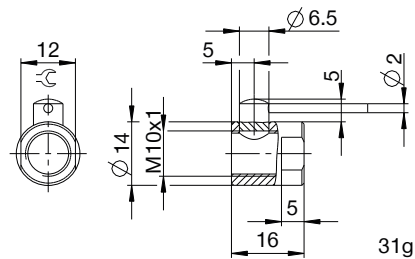
ACCESSORIES

Pos.	Order no.	Accessories	Remarks
①	PAH10X10-A	Stop sleeve	Including 1x PVM10X10-A
②	PSH10X10-A	Sensor stop sleeve	Query only possible via damper with steel or plastic head (except for bellows). Inductive sensor, PNP closer (NO), PUR cable 2 m, degree of protection IP65. For further information see separate data sheet.
③	PBV10X10NA-A	Side load adapter standard stroke Protection: wiper (NBR)	Impact angle max. 30°. Can only be used in combination with industrial shock absorbers without head. Locknut PVM14X15-A suitable for external thread of the side load adapter.
④	PBV10X10NF-A	Side load adapter standard stroke Protection: felt ring (felt)	Impact angle max. 30°. Can only be used in combination with industrial shock absorbers without head. Locknut PVM14X15-A suitable for external thread of the side load adapter.
⑤	PKS10X10-A	Clamping flange orthogonal screwed	Tightening torque of the screws max. 2.5 Nm.
⑥	PKP10X10-A	Clamping flange screwed in parallel	Tightening torque of the screws max. 2.5 Nm.
⑦	PVM10X10-A	Stainless steel locknut	Included with the industrial shock absorber.
⑧	PDD10X10-A	Pressure chamber seal	Recommended fixation with PVM10X10-A. Seal must be in full contact on both sides.

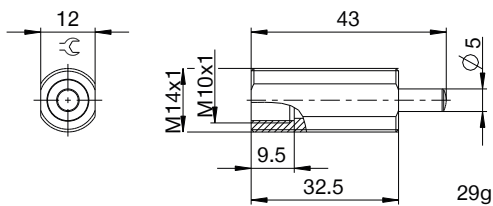
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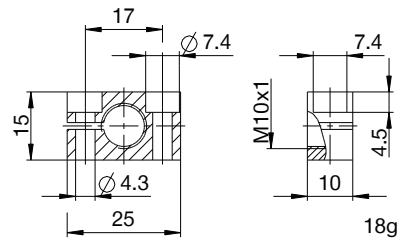
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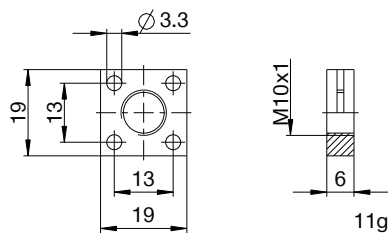
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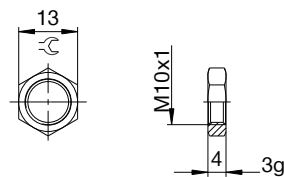
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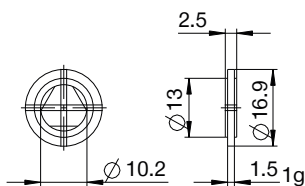
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⑦



⑧



▶ CLASSIFICATION

P **HE** **10X10** **N** **H** **B** **S** **-A**

Design

P Industrial shock absorbers PowerStop

Series

ME Mini Energy

SE Standard Energy

HE High Energy

AE Adjustable Energy

Thread

10 Thread nominal diameter

X

10 Thread pitch (factor 10)

Stroke variant

N Standard stroke

L Long stroke

V Extra long stroke

Hardness degree

H Hard (0.1 - 1.2 m/s; Adjustable Energy: 0.1 - 5 m/s)

M Medium (0.8 - 2.2 m/s)

S Soft (1.8 - 3.5 m/s)

W Supersoft (3 - 5 m/s)

Protection

D no protection

F Felt ring

A Wiper (NBR)

B Bellow (TPE)

Head

D no head

S with steel head

K with plastic head

Version

-A Versioning from a to z