

INDUSTRIAL SHOCK ABSORBERS POWERSTOP

THREAD M14X1.0

► SERIES

PowerStop®

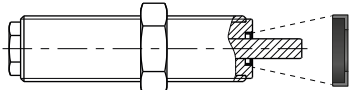
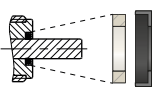
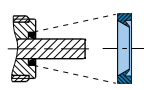
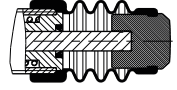
STANDARD ENERGY	HIGH ENERGY	ADJUSTABLE ENERGY
		
The economical	The powerful	The Adjustable

► Material	Stainless steel	► Organic oil (biodegradable)	HEES
► Permitted temperature range	-10 ... +70 [°C]	- H1-certified	Yes
► Angle of Impact max.	2 [°]	- PWIS-free	Yes
► Max. force at fixed stop	3.5 [kN]	► RoHS compliant - REACH compliant	Yes
► Lock nut tightening torque		► Max. absolute pressure	
- Standard energy	15 [Nm]	- Standard energy	1 [bar]
- High Energy	20 [Nm]	- High Energy	10 [bar]
- Adjustable Energy	20 [Nm]	- Adjustable Energy	10 [bar]

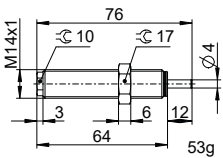
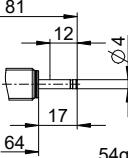
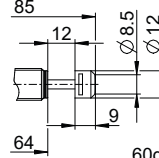
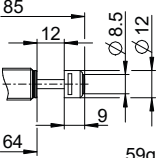
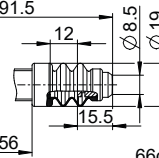
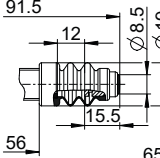
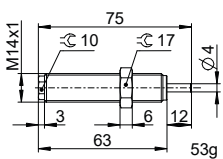
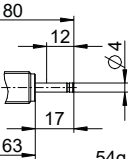
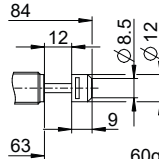
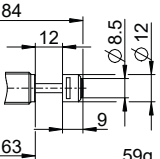
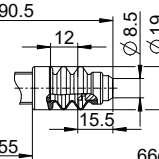
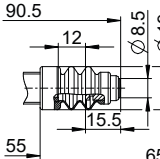
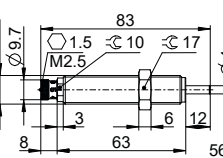
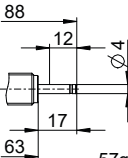
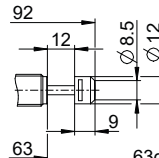
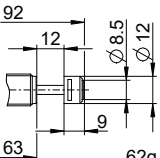
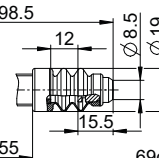
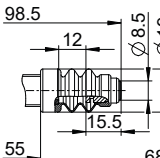
► TECHNICAL DATA

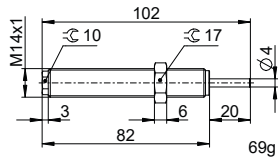
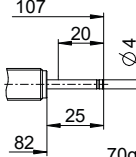
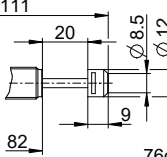
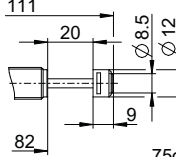
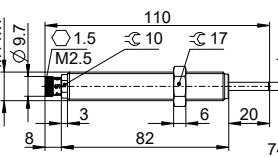
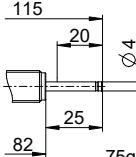
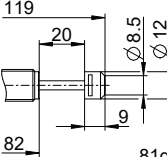
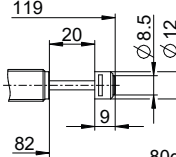
	Design	Series	Thread	Stroke variant	Stroke	Hardness degree	Impact velocity		Energy absorption max.			Protection	Reset			Head Integrated Fix stop	Version	
					max. [mm]		min. [m/s]	max. [m/s]	Continuous operation		Emergency stop operation		Force		Time			
									per stroke [J]	per hour [J/h]	per stroke [J]		min. [N]	max. [N]	max. [s]			
STANDARD ENERGY	P	SE	14X10	N	12	H - M - S - W	0,1	1,2	20	50.000	20	D - F - A - B	3	6	0,3	D - E - S - K	x	
							0,8	2,2	20	50.000	20		3	6	0,3		-	
							1,8	3,5	20	50.000	20		3	6	0,3		x	
							3,0	5,0	20	50.000	20		3	15	0,3		x	
HIGH ENERGY	P	HE	14X10	N	12	H - M - S - W	0,1	1,2	34	50.000	42	D - F - A - B	7	11	0,3	D - E - S - K	x	
							0,8	2,2	32	50.000	38		7	11	0,3		-	
							1,8	3,5	30	50.000	34		7	11	0,3		x	
							3,0	5,0	28	50.000	30		7	20	0,3		x	
ADJUSTABLE ENERGY	P	AE	14X10	N	12	H	0,1 5,0		34 50.000		34		D - F - A - B	7	11	0,3	D - E - S - K	x
														7	11	0,3		-
														7	11	0,3		x
														7	20	0,3		x
HIGH ENERGY	P	HE	14X10	L	20	H - M - S - W	0,1	1,2	34	50.000	42	D - F - A	7	11	0,4	D - E - S - K	x	
							0,8	2,2	32	50.000	38		7	11	0,4		-	
							1,8	3,5	30	50.000	34		7	11	0,4		x	
							3,0	5,0	28	50.000	30		7	11	0,4		x	
ADJUSTABLE ENERGY	P	AE	14X10	L	20	H	0,1 5,0		34 50.000		34		D - F - A	7	11	0,4	D - E - S - K	x
														7	11	0,4		-
														7	11	0,4		x
														7	11	0,4		x

► 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, ...	

► TECHNICAL DRAWINGS

	Short piston rod no head	Long piston rod no head	with steel head	with plastic head	with bellow and steel head	with bellow and plastic head
	N D -A	N E -A	N S -A	N K -A	N B S -A	N B K -A
STANDARD ENERGY						
HIGH ENERGY						
ADJUSTABLE ENERGY						

	Short piston rod no head	Long piston rod no head	with steel head	with plastic head
	L D -A	L E -A	L S -A	L K -A
HIGH ENERGY				
ADJUSTABLE ENERGY				

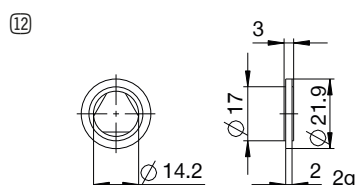
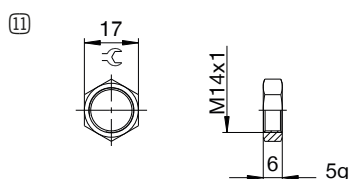
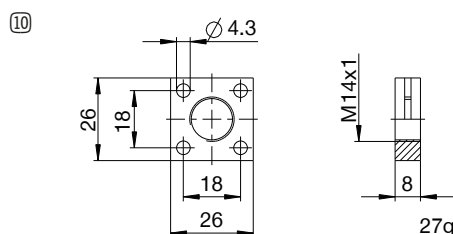
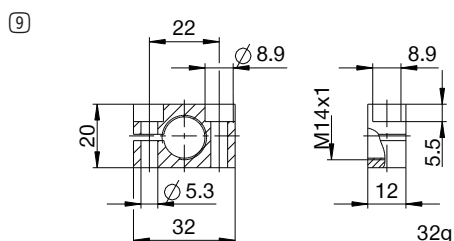
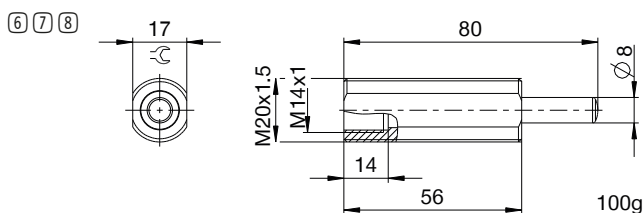
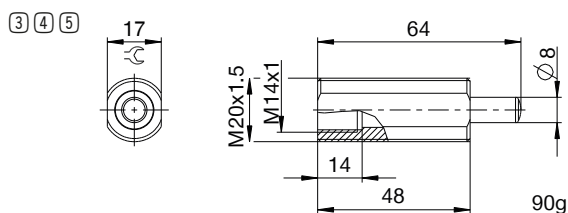
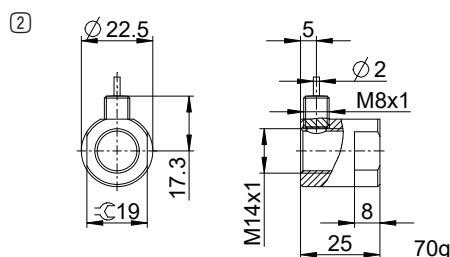
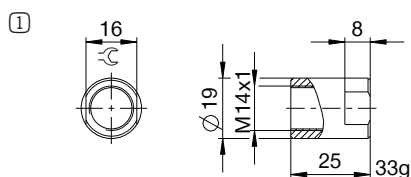


INDUSTRIAL SHOCK ABSORBERS POWERSTOP

THREAD M14X1.0

► ACCESSORIES

Pos.	Order no.	Accessories	Remarks
①	PAH14X10-A	Stop sleeve	Including 1x PVM14X10-A. Industrial shock absorber with bellow excluded.
②	PSH14X10-B	Sensor stop sleeve	Including 1x PVM14X10-A. Sensing only possible via industrial shock absorbers with steel or plastic head. Industrial shock absorber with bellow excluded. Inductive sensor, PNP (NC), 2 m PUR cable, IP67 degree of protection. See separate data sheet for additional information.
③	PBV14X10ND-A	Side load adapter standard stroke Protection: no protection	Impact angle max. 30°. Can only be used in combination with industrial shock absorber without protection and without the Short piston rod no head variant. Lock nut PVM20X15-A suitable for external thread of the side load adapter.
④	PBV14X10NF-A	Side load adapter standard stroke Protection: felt ring (felt)	Impact angle max. 30°. Can only be used in combination with industrial shock absorber without protection and without the Short piston rod no head variant. Lock nut PVM20X15-A suitable for external thread of the side load adapter.
⑤	PBV14X10NA-A	Side load adapter standard stroke Protection: wiper (NBR)	Impact angle max. 30°. Can only be used in combination with industrial shock absorber without protection and without the Short piston rod no head variant. Lock nut PVM20X15-A suitable for external thread of the side load adapter.
⑥	PBV14X10LD-A	Side load adapter long stroke Protection: no protection	Impact angle max. 30°. Can only be used in combination with industrial shock absorber without protection and without the Short piston rod no head variant. Lock nut PVM20X15-A suitable for external thread of the side load adapter.
⑦	PBV14X10LF-A	Side load adapter long stroke Protection: felt ring (felt)	Impact angle max. 30°. Can only be used in combination with industrial shock absorber without protection and without the Short piston rod no head variant. Lock nut PVM20X15-A suitable for external thread of the side load adapter.
⑧	PBV14X10LA-A	Side load adapter long stroke Protection: wiper (NBR)	Impact angle max. 30°. Can only be used in combination with industrial shock absorber without protection and without the Short piston rod no head variant. Lock nut PVM20X15-A suitable for external thread of the side load adapter.
⑨	PKS14X10-A	Clamping flange orthogonal screwed	Tightening torque of the screws max. 5 Nm.
⑩	PKP14X10-A	Clamping flange screwed in parallel	Tightening torque of the screws max. 3 Nm.
⑪	PVM14X10-A	Stainless steel locknut	Included with the industrial shock absorber.
⑫	PDD14X10-A	Pressure chamber seal	Recommended fixation with PVM14X10-A. Seal must be in full contact on both sides.



► CLASSIFICATION

P HE 14X10 L H A K -A

Design

P Industrial shock absorbers PowerStop

Series

ME Mini Energy

SE Standard Energy

HE High Energy

AE Adjustable Energy

Thread

14 Thread nominal diameter

X

10 Thread pitch (factor 10)

Stroke variant

N Standard stroke

L 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 Short piston rod no head

E Long piston rod no head

S with steel head

K with plastic head

Version

-A Versioning from a to z