

INDUSTRIAL SHOCK ABSORBERS POWERSTOP

THREAD M36X1.5

► SERIES

PowerStop®

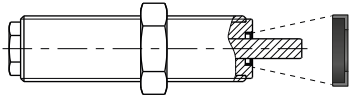
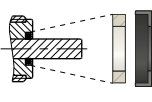
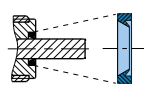
STANDARD ENERGY	HIGH ENERGY	ADJUSTABLE ENERGY
		
The economical	The powerful	The Adjustable

► Material	Stainless steel	► Organic oil (biodegradable)	HEES
► Permitted temperature range	-10 ... +70 [°C]	► H1-certified	Yes
► Angle of Impact max.	2 [°]	► Certifications	LABS / REACH / RoHS
► Max. force at fixed stop	30 [kN]		
► Lock nut tightening torque		► Max. absolute pressure	
- Standard energy	60 [Nm]	- Standard energy	1 [bar]
- High Energy	80 [Nm]	- High Energy	10 [bar]
- Adjustable Energy	80 [Nm]	- Adjustable Energy	10 [bar]

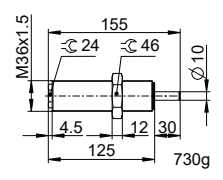
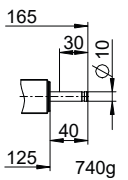
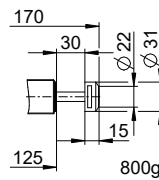
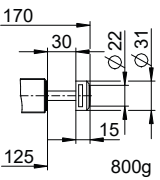
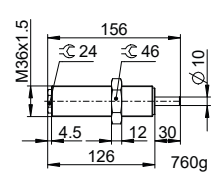
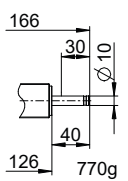
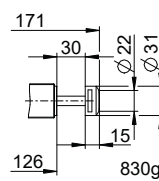
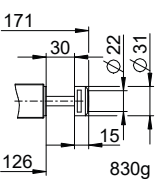
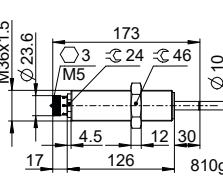
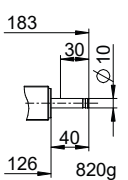
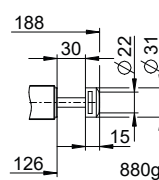
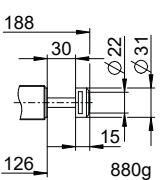
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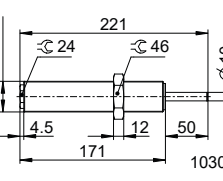
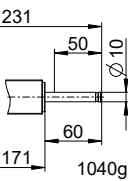
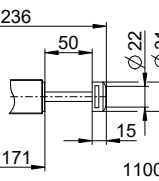
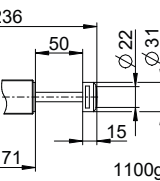
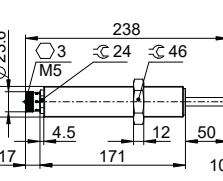
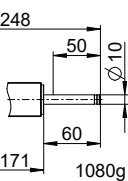
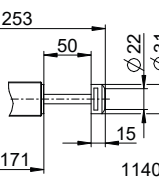
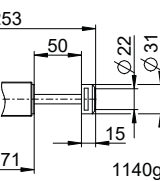
	Design	Series	Thread	Stroke variant	Stroke	Hardness degree	Impact velocity		Energy absorption max.			Protection	Reset			Head	Integrated Fix stop	Version
					max. [mm]		min. [m/s]	max. [m/s]	Continuous operation		Emergency stop operation		Force		Time			
									per stroke	per hour	per stroke		min.	max.	max.			
STANDARD ENERGY	P	SE	36X15	N	30	H - M - S - W	0,1	1,2	185	140.000	185	D - F - A	15	35	0,4	D - E - S - K	x	-A
							0,8	2,2	185	140.000	185		15	35	0,4		-	
							1,8	3,5	185	140.000	185		15	35	0,4		x	
							3,0	5,0	185	140.000	185		15	35	0,4		x	
HIGH ENERGY	P	HE	36X15	N	30	H - M - S - W	0,1	1,2	400	140.000	800	D - F - A	40	65	0,4	D - E - S - K	x	-A
							0,8	2,2	360	140.000	650		40	65	0,4		-	
							1,8	3,5	320	140.000	500		40	65	0,4		x	
							3,0	5,0	280	140.000	350		40	65	0,4		x	
ADJUSTABLE ENERGY	P	AE	36X151	N	30	H	0,1 5,0		400 140.000		400	D - F - A	40	65	0,4	D - E - S - K	x	-A
													40	65	0,4		-	
													40	65	0,4		x	
													40	65	0,4		x	
HIGH ENERGY	P	HE	36X15	L	50	H - M - S - W	0,1	1,2	400	140.000	800	D - F - A	40	65	0,8	D - E - S - K	x	-A
							0,8	2,2	360	140.000	650		40	65	0,8		-	
							1,8	3,5	320	140.000	500		40	65	0,8		x	
							3,0	5,0	280	140.000	350		40	65	0,8		x	
ADJUSTABLE ENERGY	P	AE	36X15	L	50	H	0,1 5,0		400 140.000		400	D - F - A	40	65	0,8	D - E - S - K	x	-A
													40	65	0,8		-	
													40	65	0,8		x	
													40	65	0,8		x	

► PROTECTION

no protection	Felt ring	Wiper (NBR)
D -A	F -A	A -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
	N D -A	N E -A	N S -A	N 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				

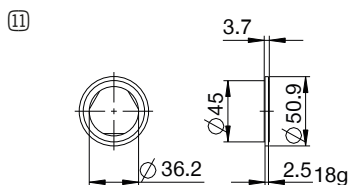
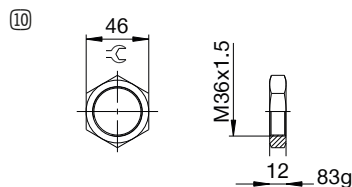
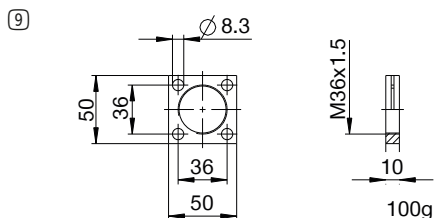
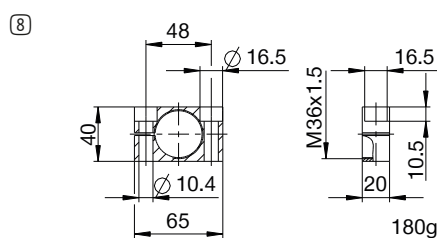
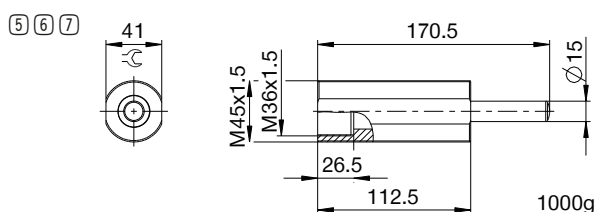
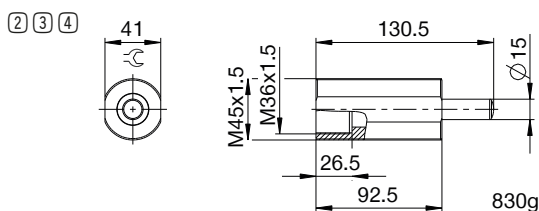
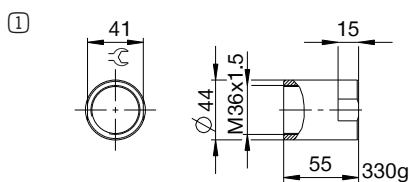


INDUSTRIAL SHOCK ABSORBERS POWERSTOP

THREAD M36X1.5

► ACCESSORIES

Pos.	Order no.	Accessories	Remarks
①	PAH36X15-A	Stop sleeve	Including 1x PVM36X15-A. Industrial shock absorber with bellow excluded.
②	PBV36X15ND-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 PVM45X15-A suitable for external thread of the side load adapter.
③	PBV36X15NF-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 PVM45X15-A suitable for external thread of the side load adapter.
④	PBV36X15NA-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 PVM45X15-A suitable for external thread of the side load adapter.
⑤	PBV36X15LD-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 PVM45X15-A suitable for external thread of the side load adapter.
⑥	PBV36X15LF-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 PVM45X15-A suitable for external thread of the side load adapter.
⑦	PBV36X15LA-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 PVM45X15-A suitable for external thread of the side load adapter.
⑧	PKS36X15-A	Clamping flange orthogonal screwed	Tightening torque of the screws max. 45 Nm.
⑨	PKP36X15-A	Clamping flange screwed in parallel	Tightening torque of the screws max. 22 Nm.
⑩	PVM36X15-A	Stainless steel locknut	Included with the industrial shock absorber.
⑪	PDD36X15-A	Pressure chamber seal	On request. Recommended fixing with PVM36x15-A. Seal must be in full contact on both sides.



► CLASSIFICATION

P **HE** **36X15** **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

36 Thread nominal diameter

X

15 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