



Automation Control Equipment

# PET Shock Absorbers

Ideal for stretch rod & mold applications



**Reduce**  
downtime &  
component wear

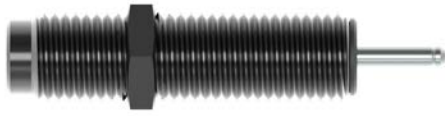
**Longer life:**  
Lab tested to over  
20 million cycles\*

\*PET20 & 27

**Increase**  
production & system  
performance

# Product Models

## PET27M



### -880 (STANDARD ROD)

Used with universal or part #: 1311366907  
Series 2 shock holders



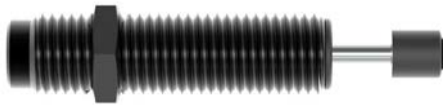
### -NB (SHORT ROD, NO BUTTON)

-1: Stretch rod without shock holder  
-3: Large molds and specific stretch rods



### -03739 (NYLON BUTTON)

Sidel® large molds, where nylon button  
is required



### -SBUC (BUTTON WITH URETHANE INSERT)

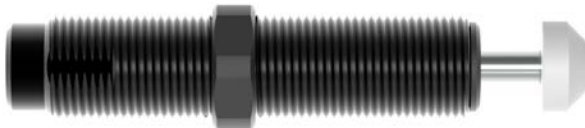
Used with Krones®, Sidel® Series 1 & 2 shock  
holders (Part #: 1073679102)



### -QCM-880 SERIES 2, QUICK CHANGE MOUNT

QCM assembly replaces former shocks  
and Sidel® shock holder

## PET20M



### PET20M

Krones® mold



### PET20M-S

SIDEL® matrix mold

## PET14M



### PET14M

Direct fit 0.25" (6mm) stroke



### PET14M-C

OEM version 0.18" (4.7 mm) stroke

\*Does not have food grade oil.

Both for universal small molds.



# Product Selection Guide for Sidel® and Kronos® Blow Mold Machines

## Sidel® Series 1 Machine

Application	Description	Shock Absorber Model
Stretch Rod Down with Sidel Shock Holder	Used with either a short or tall shock holder	PET27M-1-SBUC
Stretch Rod Up with Sidel Shock Holder	Used with either a short or tall shock holder	PET27M-1-SBUC
Stretch Rod Down without Shock Holder	Used without a Sidel Shock Holder	PET27M-1-NB
Stretch Rod Up without Shock Holder	Used without a Sidel Shock Holder	PET27M-1-NB
Stretch Rod Up only on Heat Set machines	Heat Set machines Only, No Shock Holder, it is short-stroked and used as a snubber	PET27M-3-NB
Mold: Large without rod button	Shock is short stroked and used as a snubber	PET27M-3-NB
Mold: Large with Nylon button	Shock is short stroked and used as a snubber	PET27M-3-03739

## Sidel® Series 2 Machine

Application	Description	Shock Absorber Model
Stretch Rod Down with Quick Change Mount	Fully assembled with the QCM Mount and ready to install	PET27M-1-QCM-880
Stretch Rod Down, Type 1 Sidel Shock Holder	Used with Sidel Shock Holder (PN 1073679102 sold separately)	PET27M-1-SBUC
Stretch Rod Down, Type 2 Sidel Shock Holder	Used with Sidel Shock Holder (PN 11311366901 sold separately)	PET27M-1-880
Stretch Rod Up only on Heat Set machines	Heat Set machines only, No Shock Holder, short-stroked and used as a snubber	PET27M-3-NB
Mold: Large without a button	Shock is short-stroked and used as a snubber	PET27M-3-NB

## Sidel® Universal Machine

Application	Description	Shock Absorber Model
Stretch Down	Used with Sidel Shock Holder	PET27M-1-880
Stretch Rod Up only on Heat Set machines	Heat Set machines only, No Shock Holder, it is sort-stroked and used as a snubber	PET27M-3-NB
Mold Large without a rod button	Shock is short-stroke and used as a snubber	PET27M-3-NB
Mold: Small OEM version	Same as OEM model, Steel body with stop cap and urethane bushing	PET14M-C
Mold: Small	Direct fit, steel body and short length piston rod for full stroke usage	PET14M

## Sidel® Matrix Machine

Application	Description	Shock Absorber Model
Mold Shock	Shock is short-stroked and used as a snubber, no rod button	PET20M-S

## Kronos® Machine

Application	Description	Shock Absorber Model
Hanger Mold Shock	M20 thread & nylon button	PET20M
Stretch Rod Down with Kronos Shock Holder	All machines with M27 thread and urethane button	PET27M-1-SBUC

Kronos® Shock Stop Holder used with SBUC. Additional models available for custom applications.

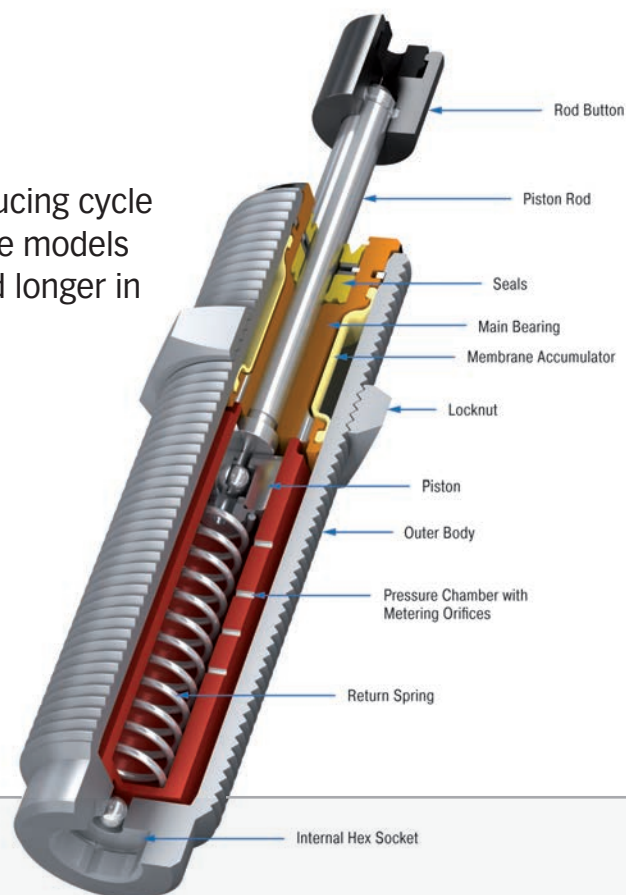
Contact us for application and installation sheets.

# Next generation materials & design

PET20M & 27M optimize blowing machines by reducing cycle time and increasing output with ACE. These durable models are engineered specifically to run faster, hotter and longer in Sidel® and Kronos® blowers.

## Features

- Initial soft-contact
- Fast through-stroke time
- Low effective weight
- Aluminum outer tube
- Chrome-plated piston rod



## Benefits

- Increase production
- Increase system performance
- Reduce downtime
- Reduce component wear
- Reduce damage-causing impact forces
- Food grade oil reduces cross-contamination

\*PET14M-C does not use food grade oil.

- Solves form and fit issues
- Lifetime warranty
- Cost-effective
- Color-coded for easy installation  
(Black = -1 Ultralight, Silver = -3 Medium)

## Product Specifications

Model	Thread (mm)	Stroke (mm)	Energy Capacity	
			Nm per cycle	Nm per hour
PET27M	M27x3	16.0 - 19.0	56	200,000
PET20M	M20x1.5	10.2 - 11.5	28	45,000
PET14M	M14x1	4.7 - 6.0	25	33,000



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