

**Shock absorbers**

- M8
- M10
- M12
- M14
- M20
- M25
- M33
- M45
- Accessories

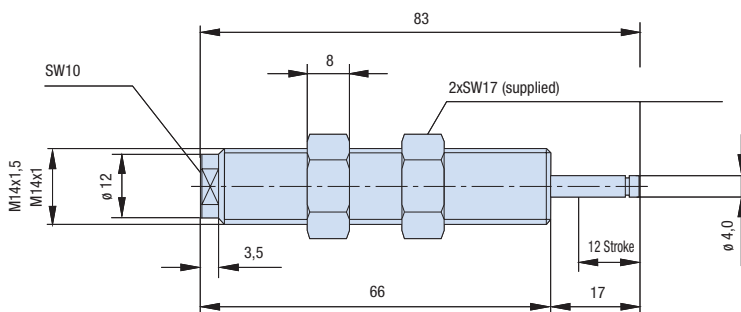


- Sommer-automatic
- Grippers
- Separators
- Swivel units
- Rotating jaws
- Axial compensators
- Tool changers
- Linear cylinders
- Shock absorbers
- Rotary cylinders
- Air vane motors
- Vacuum components
- Accessories
- Quick finder



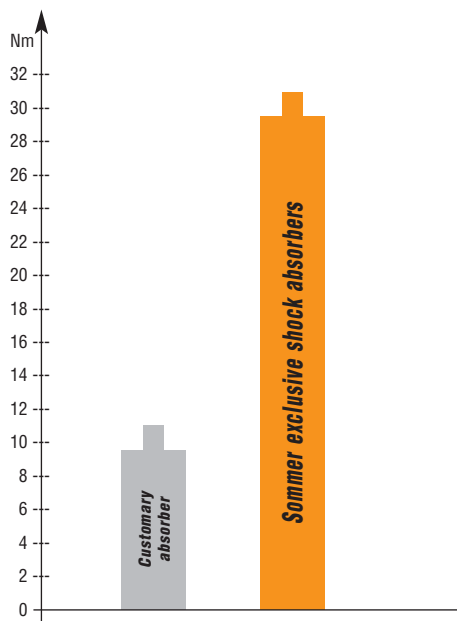
## Shock absorbers with helical groove technology

Advantages, benefits, comparisons and tips! Stacks of information all about this product are on page 343 to 346.



More energy consumption with

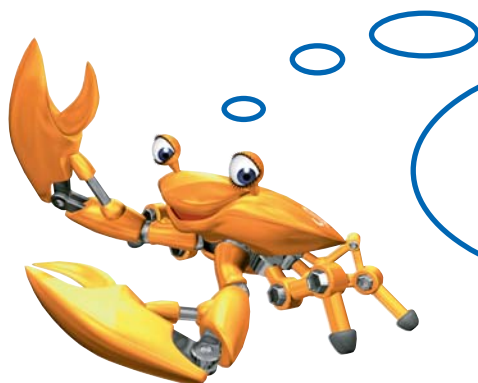
# 280%



Order no.:					
M14x1-S	M14x1,5-S	M14x1-M	M14x1,5-M	M14x1-H	M14x1,5-H
<b>Max. energy absorption per stroke [Nm]:</b>					
31	31	31	31	31	31
<b>Max. energy absorption per hour [Nm/h]:</b>					
50000	50000	50000	50000	50000	50000
<b>Stroke [mm]:</b>					
12	12	12	12	12	12
<b>Min. impact speed [m/s]:</b>					
2	2	1,2	1,2	0,2	0,2
<b>Max. impact speed [m/s]:</b>					
5	5	2,2	2,2	1,4	1,4
<b>Eff. mass* max. [kg]:</b>					
16	16	43	43	1550	1550
<b>eff. mass* min. [kg]:</b>					
2	2	13	13	32	32
<b>Piston reset time [s]:</b>					
0,3	0,3	0,3	0,3	0,3	0,3
<b>Min./max. resetting force [N]:</b>					
10 / 20	10 / 20	10 / 20	10 / 20	10 / 20	10 / 20
<b>Weight [kg]:</b>					
0,06	0,06	0,06	0,06	0,06	0,06

\* as comparative figure to conventional shock absorbers  
All data measured at 20% safety

See Page 356 for Accessory list.



# 280%