

Shock absorbers

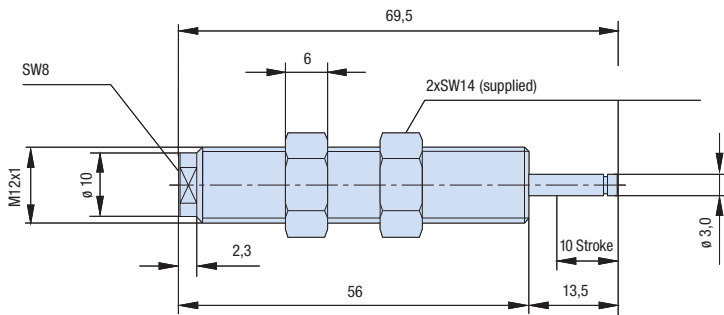
M8	M10	<b>M12</b>	M14	M20	M25	M33	M45	Accessories
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# Shock absorbers

with helical groove technology

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

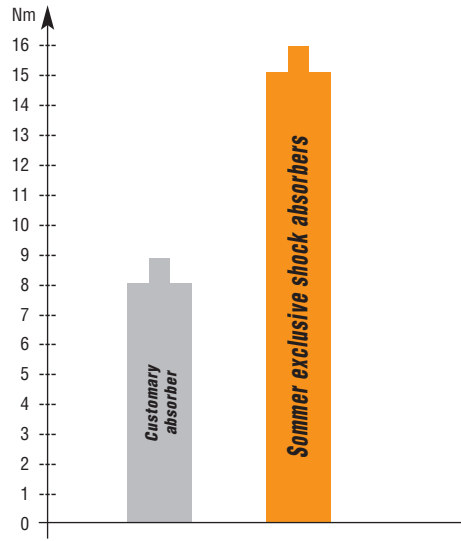


- Sommer-automatic
- Grippers
- Separators
- Swivel units
- Rotating jaws
- Axial compensators
- Tool changers
- Linear cylinders
- Shock absorbers**
- Rotary cylinders
- Air vane motors
- Vacuum components
- Accessories
- Quick finder

More energy consumption with

**180%**

Order no.:		
M12x1 -S	M12x1 -M	M12x1 -H
Max. energy absorption per stroke [Nm]:		
16	16	16
Max. energy absorption per hour [Nm/h]:		
30000	30000	30000
Stroke [mm]:		
10	10	10
Min. impact speed [m/s]:		
2	1,2	0,2
Max. impact speed [m/s]:		
5	2,2	1,4
Eff. mass* max. [kg]:		
8	22	800
Eff. mass* min. [kg]:		
1	7	16
Piston reset time [s]:		
0,3	0,3	0,3
Min./max. resetting force [N]:		
8 / 15	8 / 15	8 / 15
Weight [kg]:		
0,04	0,04	0,04



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

See Page 356 for Accessory list.

