

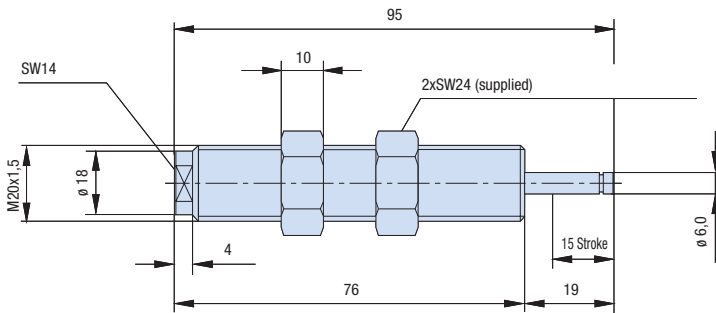
**Shock absorbers**

M8	M10	M12	M14	<b>M20</b>	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.

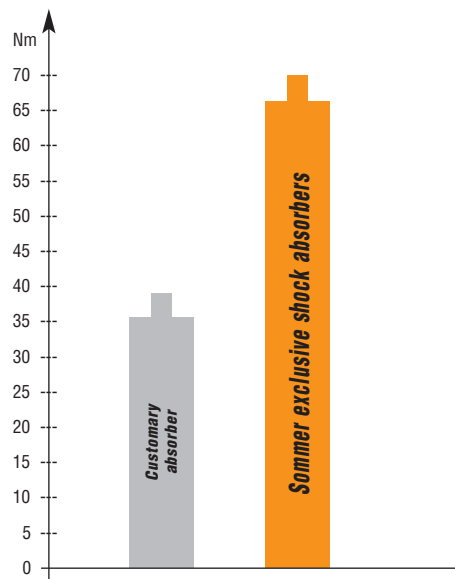


Sommer-automatic
Grippers
Separators
Swivel units
Rotating jaws
Axial compensators
Tool changers
Linear cylinders
<b>Shock absorbers</b>
Rotary cylinders
Air vane motors
Vacuum components
Accessories
Quick finder

Power-Stop			Emergency-Stop		
Order no.:					
M20x1,5 -S	M20x1,5 -M	M20x1,5 -H	M20x1,5 -SN	M20x1,5 -MN	M20x1,5 -HN
Max. energy absorption per stroke [Nm]:					
70	70	70	150	150	150
Max. energy absorption per hour [Nm/h]:					
63000	63000	63000	-	-	-
Stroke [mm]:					
15	15	15	15	15	15
Min. impact speed [m/s]:					
1,8	1	0,2	1,8	1	0,2
Max. impact speed [m/s]:					
4,5	2	1,2	4,5	2	1,2
Eff. mass* max. [kg]:					
43	140	3500	93	300	7500
Eff. mass* min. [kg]:					
7	35	97	15	75	208
Piston reset time [s]:					
0,5	0,5	0,5	0,5	0,5	0,5
Min./max. resetting force [N]:					
15 / 25	15 / 25	15 / 25	15 / 25	15 / 25	15 / 25
Weight [kg]:					
0,13	0,13	0,13	0,13	0,13	0,13

More energy consumption with

**180%**



\* as comparative figure to conventional shock absorbers

All data measured at 20% safety

See Page 356 for Accessory list.

