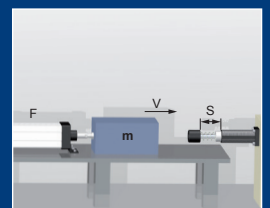


Emergency Shock Absorbers

WN-M 0,1



ONLINE
Calculation +
2D / 3D CAD Download



Benefits

The shock absorber will be adapted individually to the customer's requirement.

Enlarged piston:

- Max. +400% energy
- Max. -50% costs / Nm

Piston:

- Hardened, aluminium-titanium-nitride coated



Integrated stop:

- Max. security



ProSurf:

- Surface protection against corrosion



Extended life cycle:

- Nitrated guidance system

Stop cap AS:

- From hardened steel

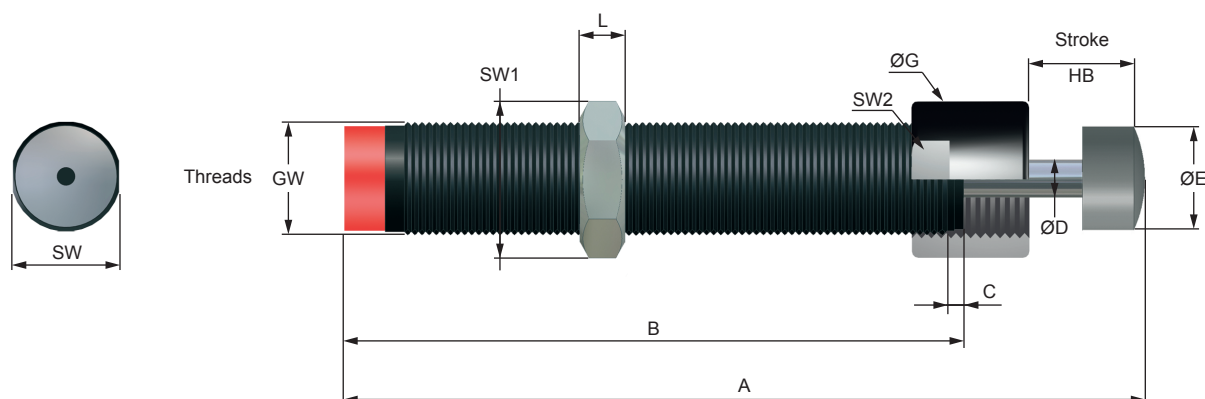


Temperature:

- Standard: -20°C - ...+80°
- Low-temperature: -50°C-...+60°C
- High-temperature: 0°C-...+120°C

Special models::

- Stainless steel:
 - V4A/DIN1.4404/AISL 316L
- V4A(/DIN1.4404/AISL 316L)
- For pressure chambers up to 7 bar
- USDA-H 1 compliant for food industry



DIMENSIONS

	GW	A	B	C	Ø D	Ø E	Ø G	L	SW	SW 1	SW 2
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN-M 0,1	M 8 x 1,0	57	44,0	2,5	2,5	6,0	11	3	-	11	-

SPECIAL THREAD - from stock

Series	Code	Threads	Example
0,1	U	3/8-32 UNEF	WN-M 0,1-1U

PERFORMANCE

	Stroke	Energy absorption	Return spring force		Torque	Weight
	mm	Nm/HB (max.)	min. N	max. N	Nm max.	kg
WN-M 0,1	7	6,0	2,5	6	2	0,01

Technical data at + 20°C

Technical Data

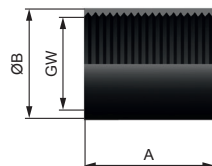
Weight 0,1: 0,01 kg

Return spring force 0,1:
2,5 N/min - 6 N/max

Included Shock Absorber with AS- Stop cap,
Lock nut and Stop limit nut

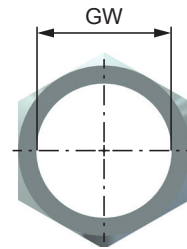
Accessories

Stop limit nut



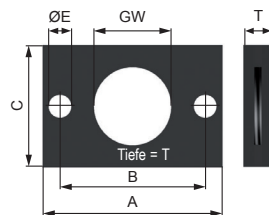
GW*	A mm	ØB mm	Code
M8x0,75	12	11	14018T
M8x1	12	11	14018
Stainless steel			
M8x1	12	11	14018VA

Lock nut



GW*	Code
M8x0,75	14012T
M8x1	14012
3/8-32 UNEF	14012U
3/8-32 UNEF	15012U
Stainless steel	
M8x0,75	14012T-VA
M8x1	14012VA

Clamping flange



GW*	A mm	B mm	C mm	E mm	T mm	Code.
M8x1	25	18	15	4,2	6	SK14013

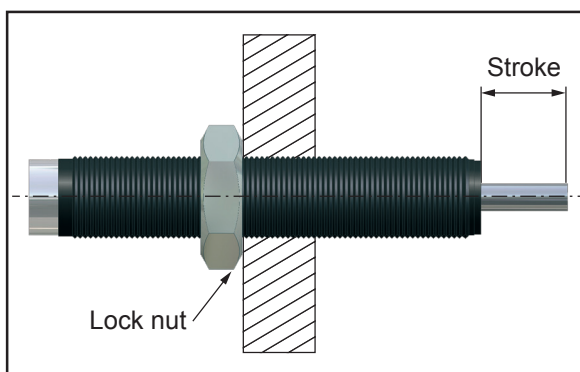
Adjustment

The shock absorbers WN-M 0,1 are self-compensating.

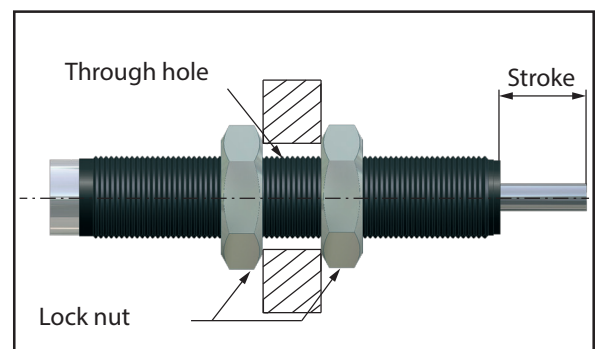
The shock absorber will be adapted individually according to the technical data of the customer.

Installation

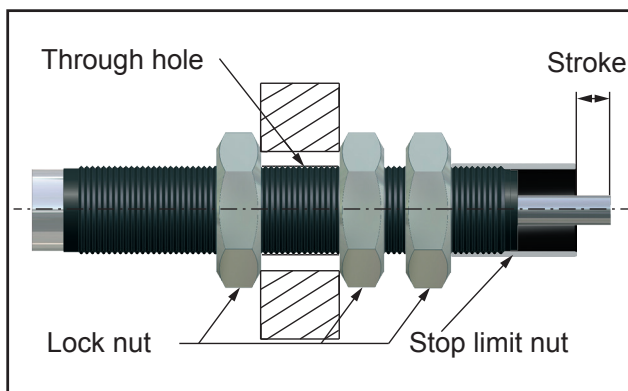
Installation with Lock nut



Installation with 2 Lock nuts



Installation with stop limit nut



Safety Instructions

Before installation, commissioning, servicing and repair the data sheet is to be noticed. This work may only be performed by trained, introduced staff.

Electric connections according to the suitable national regulation. For Germany: VDE regulation VD E0100

Before all repair and servicing works the energy supplies (main switch, etc.) have to be switched off! Moreover, measures are necessary to prevent an unintentional reconnect. For example, a warning sign "service works" or "maintenance work", applied to the switch.

Designated use

Check before installation and make sure the type name on the shock absorber or on the packaging is corresponding with delivery note. Industrial shock absorbers are maintenance-free and ready for installation.

- Temperature influence: at higher temperatures the shock absorber characteristic will change.
- Movable loads have to be protected during the installation and maintenance against unintentional processes.
- In operation outside the allowed temperature range, the shock absorber can lose his function. Due to heat radiation don't paint the shock absorber.
- Fluids, gases and a dirty environment can affect or destroy the sealing system of the shock absorber. The result could be a failure malfunction. Piston rod and sealing system has to be protected against fluids, gases and a dirty environment.
- Damages at the piston rod can destroy the sealing system. Don't grease or oil the piston rod.
- Avoid traction forces on the piston rod to present internal damages.
- The shock absorber can be pulled out of the construction during the impact. The construction needs to be able to resist the max counterforce. Sufficient security must be calculated.
The maximum counterforces performed in the calculation program can vary from the really appearing counter forces, because these are based on theoretical values.

Fundamentals

Shock absorbers may under no circumstances be:

-painted



-welded



-held with clamps



-used on pull*



In hazardous environments (dirt, humidity, oil) shock absorbers must be protected against damage and failure with the necessary accessory. If several shock absorbers are used on the same application, the deceleration has to be distributed equally. The "Torque" (PERFORMANCE) indicates the maximum force by using the flats. The Weforma catalogue shows technical data with maximum values. This shock absorber are used only for a emergency case.

Important Information

Installation situation

The installation situation is any, however always in such a way that the complete shock absorber stroke can be used. The shock absorbers must be mounted like that the forces in centerline about the piston rod are initiated. The maximum angle out of centre amounts to 2 °. With a bigger angle out of centre an AK1 / AK2 (see equipment) must be used.

Liability

Due to the number of possible uses of our products and the conditions of use that lie outside of our scope of influence, we accept no liability as to whether the purchase object is suitable for the Client's intended purpose. The verification to this effect, in particular the verification as to whether the purchase object is suitable for the planned use, is the responsibility of the Client alone, unless expressly agreed otherwise in writing.

For the reasons we accept no liability for the suitability of the purchase object for the purpose intended by the Client, except in cases of intent or gross negligence.

With damages, the not designated use and from high-handed, in these instructions do not originate to intended interventions, any guarantee and liability claim goes out towards the manufacturer.

Guarantee

By non-use of the original spare parts the guarantee claim goes out.

Environment protection

By the exchange from damaged parts is to be respected to a proper disposal.