

# T-CLICK

#### PEN LOCK GAS SPRINGS SERIES

2020 CATALOGUE

## GASFEDERN – GAS SPRING – MOLLA A GAS





# About **Our Company**

## From Tradition

#### to Innovation

TGS started its industry adventure in early 70s by the producon of machining products for gas springs and various fields of industry. Our early gas spring producon steps started in 1992.

Day afer day we improved our manufacturing technologies and machinery equipments and caught world standards. In 2008 we started exporting our products to european countries and established our export company Tunatek Ltd. Co. for organizing our all export operations.

More than a quarter century of experience in gas spring producon ensures us self-confidence to provide our products all high level markets. Today we manufacture 5 different series in steel and stainless steel materials and dozens of different functions. Customers from about 50 countries and dozen of different industrial sectors rely on different kinds of gas springs made by TGS.

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# **Quality Policy**



All our products are designed, manufactured and delivered according to the most strict quality standards. Our experienced and specially trained employees monitor the adherence to our quality criteria in every phase of the production process. Tunalift gas springs are manufactured with the highest quality, environmentally friendly materials.

We are certified in accordance with DIN ISO 9001:2015. Our quality program starts with implementing strict quality controls on our purchase transactions. Permanent quality is guaranteed due to the uncompromisingly monitoring of raw materials, an aggressive testing program and a redundant quality control program throughout the production process.

TGS products are continuously tested to ensure reliability, long life and over all product safety for your highest satisfaction. Using our test and development laboratory, products and technology are constantly being improved.













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	SPRING CHARACTERISTICS	£ 7
	8-18 SERIES	<u>گ</u>
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()	<u>M-JOINT</u>	<u>£ 12</u>

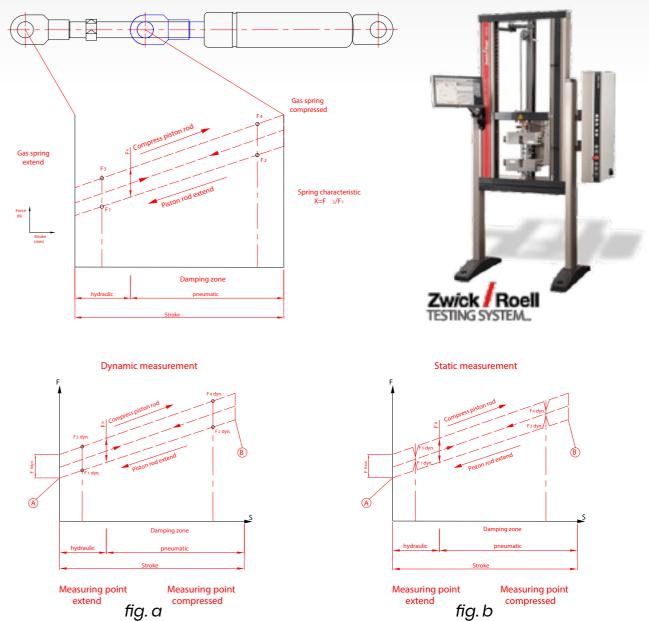


# **ABOUT OF T-CLICK GAS SPRINGS**

T-CLICK® is new member of TGS production range with new features. Stoping in the compressed position is its main characteristic. Similar to the ball point pen principle, the lock can be released by a light push; the gas spring then extends by itself.

The T-CLICK is genereally used in furniture, for example in recessed connector strips in bar compartments, conference tables, backrests of sofas, armrests, and head-rests adjustment. In addition to force support, the T-CLICK gas spring with end position stop also provides a safe mechanical lock of the application in the extended position.

The T-CLICK is produced with 8/18 mm rod/tube diameter. The force ranges from 300N to 500N according to its used place.



#### DEMONSTRATION VIDEO





Scan for watch video on youtube



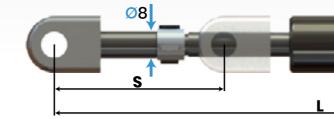
The spring characteristic curve shows the force path of the gas spring over the stroke from the extended to the retracted state and back. The spring characteristic illustrates the balance of power of F2/F1. For the design of gas springs, the force FI is, in addition to the dimensions, the most important criterion. The force Fl is measured 5mm before the end of the extension movement and thus defies the value of the spring force.

Gas Spings are being measured by two methods; Dynamic measurement and Static measurement. In Dynamic measurement (fig.a) method test equipment records the force reaction during comression/extension at the same constant velocity. The Static measurement (fig.b( is performed with a constant speed similar to the Dynamic measurement. However, test equipmentinterrupts the motion at the measuring points and the spring force is being measured in a static condition.

# Spring Characteristics **T-CLICK SERIES**

T-CLICK PEN LOCK TYPE CATALOGUE

WC.100.30 REFERENCE NO select from list	<b>95 – 100N -</b> FI pressure rate	- Y019 - ROD MOUNTING optional	• Y019 – TUBE MOUNTING optional	ADDITION ACCESSO	NAL ORIES	Order Example
	Ø8		Ø	18 18	TGS	
V004	<b>S</b> STROKE LENGTH	L EXTENDED LENGTH	F1 PRESSI RAT	URE	REF. NO	Y004
Ø8,2 Y019	100	305	100N-4	100N	WC.100.305	Y019
T:10 <mark>, 16</mark> ,	150	405	100N-4	100N	WC.150.405	
010 18	200	505	100N-4	100N	WC.200.505	BO01
J033	250	605	100N-4	100N	WC.250.605	J033
ссма 18	300	705	100N-4	100N	WC.300.705	Ť
Ø6,1 Ø 24 FC01	350	805	100N-4	100N	WC.350.805	FCO



<b>VC.100.30</b> FERENCE Delect from t	<b>)5 – 100N -</b> Fi pressure rate	- Y019 - ROD MOUNTING optional	Y019 - MJ TUBE ADDITIO MOUNTING ACCES optional optiona	ONAL SORIES	Order Example
	Ø8		Ø18↓ ↑ L	TGS	
06,1 T.5 22 Y004	<b>S</b> STROKE LENGTH	L EXTENDED LENGTH	<b>F1</b> PRESSURE RATE	REF. NO	Y004
08.2 Y019	100	305	100N-400N	WC.100.305	Y019
T:10 <u>16</u>	150	405	100N-400N	WC.150.405	
боо 010 <u>18</u> ВОО1	200	505	100N-400N	WC.200.505	воот
J033	250	605	100N-400N	WC.250.605	J033
	300	705	100N-400N	WC.300.705	Т
061 FC01	350	805	100N-400N	WC.350.805	FCOI
	LN ₩	<b>J18-10</b> / E	xtends L +10mm		





Ø18

Ø8

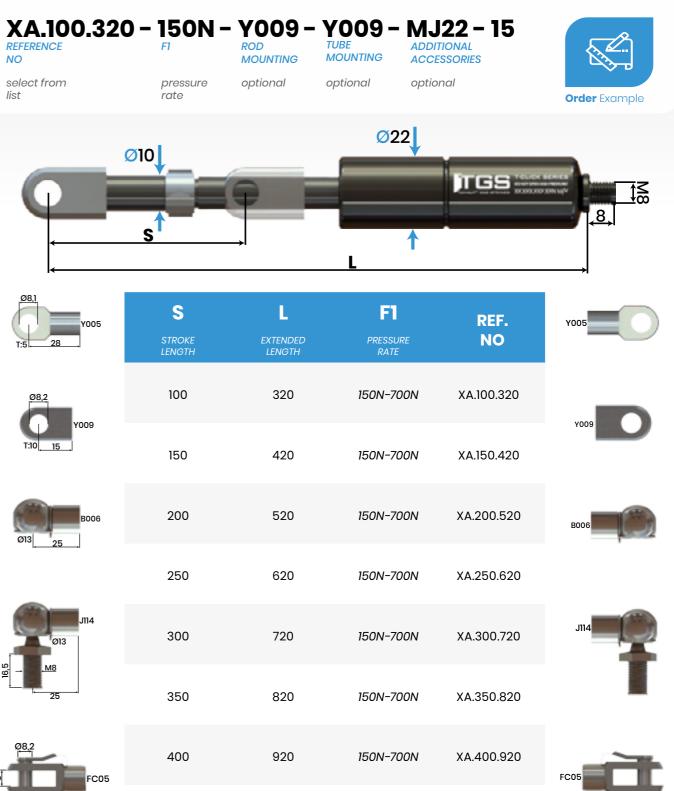
TUNALIFT GAS SPRINGS





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ROD F1 MOUNTING optional pressure rate



Y005	<b>S</b> STROKE LENGTH	L EXTENDED LENGTH
2 Y009	100	320
15	150	420
B006	200	520
	250	620
J114	300	720
<u>M8</u> 	350	820
FC05	400	920

INIOL MJ22-15 / Extends L +15mm MJ22-20 / Extends L +20mm M-JOINT extends length of standard item with mounting on tube end. Please check page 12 for detailed information. Σ

TUNALIFT GAS SPRINGS 1



**YouTube** 

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## M-JOINT EXTENDERS FOR **T-CLICK SERIES GAS SPRINGS**

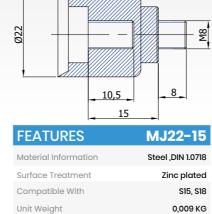
M-JOINT is original gas spring length extender which designed and patented by TGS. It has monoblock steel design, which gives original tube end shape with both side connection thread (male-female) accordingly.

M-JOINT designed to give more variety to standard range T-MOTION, T-BLOCK, T-INOX, T-TRACTION and T-CLICK gas springs. This simple part will help distrubitors and stock keepers to keep less variety with maximum opportunity.









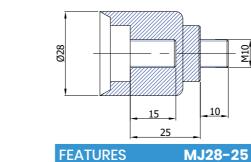
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FEATU	JRES				
Material Information					

Surface Treatment

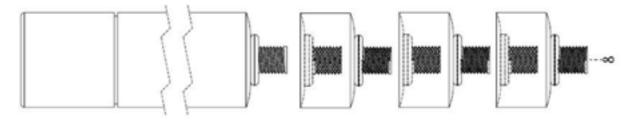
Compatible With

Unit Weight

M10



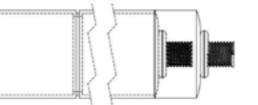
Material Information	Steel ,DIN 1.0718
Surface Treatment	Zinc plated
Compatible With	S15, S18
Unit Weight	0,009 KG



> Clutched form gives durability and resists all pressures.

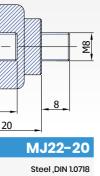


**W18:** 400N W22: 1200N > Tube end shape gives originally integrated part appearance.









Zinc plated S15, S18 0,009 KG

	-10-
FEATURES	MJ28-15
Material Information	Steel ,DIN 1.0718
Surface Treatment	Zinc plated
Compatible With	S15, S18
Unit Weight	0,009 KG







Bursa, **Turkey** 





info@**tunalift**.com

www.tunalift.com