

# INKOMA /ALBERT

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## SGT SCREW JACK

ALBERT SGT Screw Jacks are electromechanical transmission components suitable for a wide spectrum of industrial machinery. A range of 11 sizes, coupled with a modular approach to nut and installation arrangements, satisfy customer design requirements.

The range has a logical progression of load capability between 5 and 1000 kN. Higher loads are possible and spindles up to 10m long can be provided. Normal stroke speeds up to 0.05m/s. For higher speeds please enquire.

Logically designed combinations of standard components, with good interchangeability, make simple installation possible whilst permitting operation in any chosen position and attitude with minimum space requirement.

ALBERT SGT Screw Jacks can be provided with electrical, hydraulic, pneumatic and manual inputs. Precise relative motion is provided for screw jacks used in combination but with unequal loads. Rest positions are maintained by the self locking trapezoidal spindle or by the use of a brake motor.

The wide range of available accessories ensures the closest possible match to customer requirements.





#### BASIC DESIGN

G configuration (basic design) has two versions: GO (basic design, spindle above) and GU (basic design, spindle below). In both cases the spindle moves to transmit the linear lifting motion. The spindle is axially guided through the screw jack gear-housing. Any tendency of the spindle to rotate must be resisted.

#### RUNNING NUT DESIGN

L configuration (running nut) has two versions: LO (running nut, spindle above) and LU (running nut, spindle below). The axial movement of the nut transmits the linear lifting motion due to spindle rotation. In this configuration the spindle is axially fixed in the gear housing.

Version GO



Version LO



Version GU



Version LU



**RATIO**  
N: Normal  
L: Slow

**LUBRICATION**  
Grease

**ACCESSOIRES**  
see accessoires for  
SGT screw jacks

# TECHNICAL INFORMATION

MODEL	STATIC LIFTING FORCE <sup>1</sup> F <sub>MAX.</sub> [kN]	LIFT PER REVOLUTION N/L [NM]	RATIO N/L I	SPINDLE D [NM]
<b>TRAPEZOIDAL SPINDLE GO, GU</b>				
SGT 5	5	0,6 / 0,25	10 / 24	Tr 20 x 6
SGT 20	20	1 / 0,25	6 / 24	Tr 26 x 6
SGT 30	30	1 / 0,25	6 / 24	Tr 30 x 6
SGT 50	50	1,17 / 0,29	6 / 24	Tr 40 x 7
SGT 150	150	1,5 / 0,5	8 / 24	Tr 60 x 12
SGT 200	200	1,5 / 0,5	8 / 24	Tr 65 x 12
SGT 300	300	1,5 / 0,5	10,66 / 32	Tr 90 x 16
SGT 350	350	1,5 / 0,5	10,66 / 32	Tr 100 x 16
SGT 500	500	1,5 / 0,5	10,66 / 32	Tr 120 x 16
SGT 750	750	1,5 / 0,5	10,66 / 32	Tr 140 x 16
SGT 1000	1000	1,67 / 0,56	12 / 36	Tr 160 x 20

## TRAPEZOIDAL SPINDLE LO, LU

SGT 5	5	0,6 / 0,25	10 / 24	Tr 20 x 6
SGT 20	20	1 / 0,25	6 / 24	Tr 26 x 6
SGT 30	30	1 / 0,25	6 / 24	Tr 30 x 6
SGT 50	50	1,17 / 0,29	6 / 24	Tr 40 x 7
SGT 150	150	1,5 / 0,5	8 / 24	Tr 60 x 12
SGT 200	200	1,5 / 0,5	8 / 24	Tr 65 x 12
SGT 300	300	1,5 / 0,5	10,66 / 32	Tr 90 x 16
SGT 350	350	1,5 / 0,5	10,66 / 32	Tr 100 x 16
SGT 500	500	1,5 / 0,5	10,66 / 32	Tr 120 x 16
SGT 750	750	1,5 / 0,5	10,66 / 32	Tr 140 x 16
SGT 1000	1000	1,67 / 0,56	12 / 36	Tr 160 x 20

<sup>1</sup> The values for max. load apply only for initial jack selection. The actual permitted lifting force depends on the version of the jack and the operating conditions.  
**Special sizes and executions are possible, please enquire.**

Request our complete catalogue or visit us on the Internet.  
You can obtain a free download of our brochure or the product drawing of the selected item using the CADENAS facility.

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