

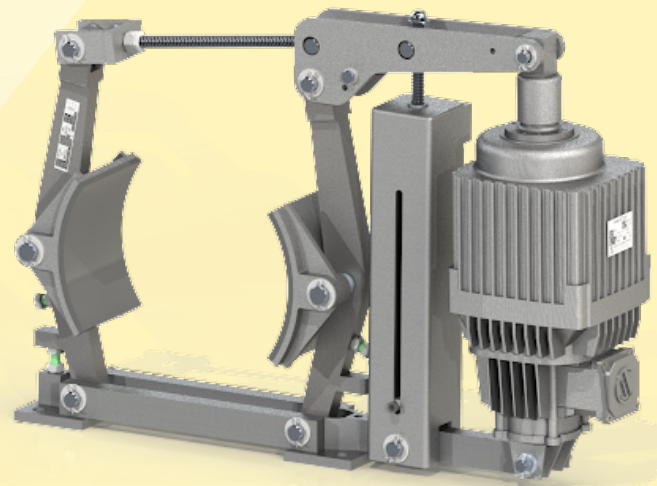
# THRUSTER BRAKE ELDY SMD (500-301/06)



## TECHNICAL DATA

ITEM	BRAKE	THRUSTER
MODEL	SMD 500-301/06	ELD - 301/06
DRUM DIA	500 mm	-----
BRAKE SHOE FRICTION COEFFICIENT	Asbestos free Without Rivet / BA	-----
BRAKING TORQUE	350 - 7800 Nm	-----
THRUST	-----	300 Kg
STROKE	-----	60 mm
OIL + CAPACITY	-----	Transformer Oil IS-335 (9.8 Liters)
RATED VOLTAGE	-----	415 V ± 10% 50 Hz 3Ph AC
CURRENT AT 415 V AC INRUSH CURRENT	-----	2.0 Amps 10.0 Amps.(Inrush)
INSULATION	-----	F Class
INGRESS PROTECTION	-----	IP - 65 IS/IEC 60529 (2001)
AMBIENT TEMPERATURE	-----	50° C
POWER	-----	540 Watt
WEIGHT	137 Kg	33 Kg
PAINTING	Hammertone Gray Paint	
LAF	Asbestos Free Liner	
OPTIONAL FEATURES		
SCD	Aluminum Brake Shoe as per DIN - 15435	
LWA	Lining Wear Adjuster	
LWI	Lining Wear Indicator Limit Switch	
SS	AISA 420 Hardened & Tempered Stainless Steel Pins	
PN	Lubricators on Pins	
OL	Open Brake Limit Switch	
MS	Manual Opening & Locking System	

\* Non-Standard voltages available on enquiry



## SELECTION OF BRAKE SIZE

SMD Thruster brakes are steel fabricated frames with Eldy Thruster as per din standard.

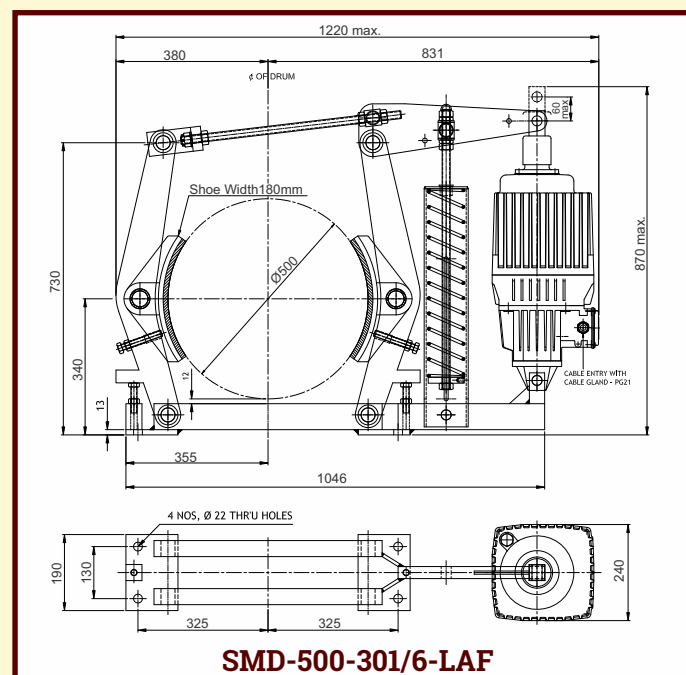
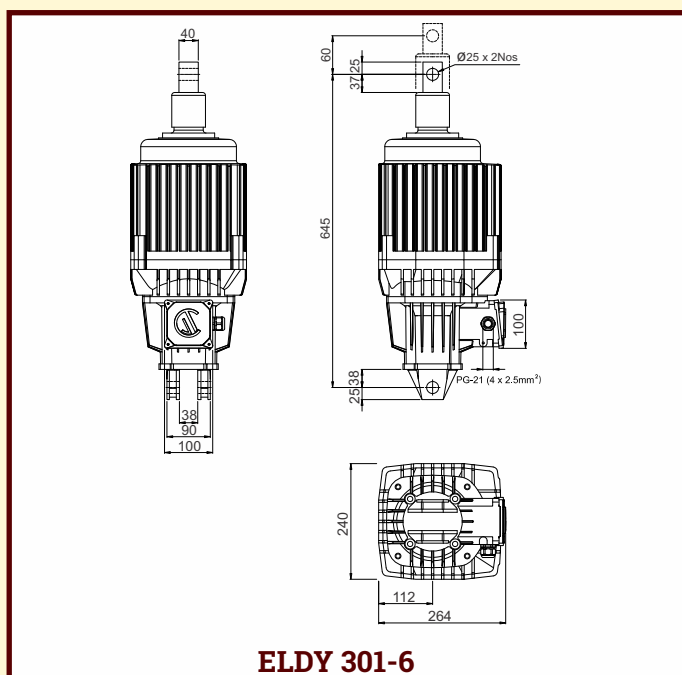
Excellent designs & good manufacturing process ensure a reliable product.

The brake torque must be  $\geq$  than motor full load as referred with drum. Formula as below:

$$T = \text{Torque in Kgm} = \frac{716 \times \text{Hp}}{\text{rpm}}$$

$$T = \text{Torque in Nm} = \frac{9552 \times \text{Kw}}{\text{rpm}}$$

Where Hp/Kw = motor output & rpm = Rev/minute



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