

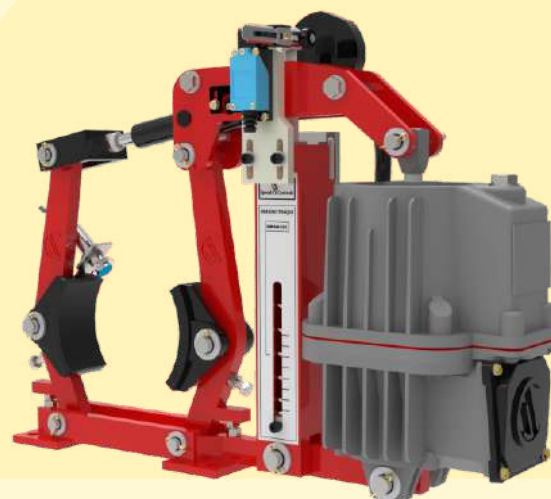


INDUSTRIAL BRAKES SDM 160-23/05

TECHNICAL DATA

ITEM	BRAKE	THRUSTER
MODEL	SDM 160-23/05	ELDY - 23/05
DRUM DIA	160 mm	-----
SHOE WIDTH	55 MM	-----
BRAKE SHOE	Aluminum + Asbestos free Liner	-----
FRICTION COEFFICIENT	μ 0.42	-----
BRAKING TORQUE	25 Kg-m - 250 Nm	-----
THRUST	-----	23 Kg
STROKE	-----	50 mm
OIL + CAPACITY	-----	Transformer Oil IS - 335 (2 Liters)
RATED VOLTAGE	-----	415 V $\pm$ 10% 50 Hz 3Ph AC
CURRENT	-----	0.52 Amps ($\pm$ 2%)
INSULATION	-----	F Class
INGRESS PROTECTION	-----	IP - 65 IS/IEC 60529 (2001)
AMBIENT TEMP	-----	50° C
POWER	-----	180 Watt
WEIGHT	14 Kg	10 Kg

LWC	LINING WEAR COMPENSATOR
LWI	LINING WEAR INDICATOR
HRL	HAND RELEASE LEVER
LWLS	LINING WEAR LIMIT SWITCH
BRLS	BRAKE RELEASE LIMIT SWITCH
BELS	BRAKE ENGAGING LIMIT SWITCH
SS	STAINLESS STEEL PINS
LUB	LUBRICATORS ON MAIN PINS
SV	SPECIAL VOLTAGE
SPA	PAINT ACCORDING TO CUSTOMER SPECIFICATION



SELECTION OF BRAKE SIZE

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

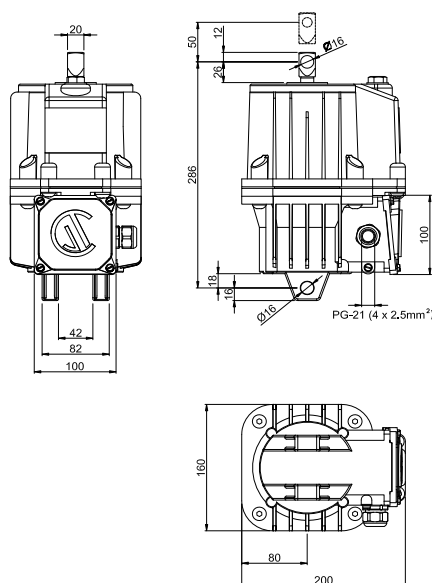
Excellent designs & good manufacturing process ensure a reliable product.

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

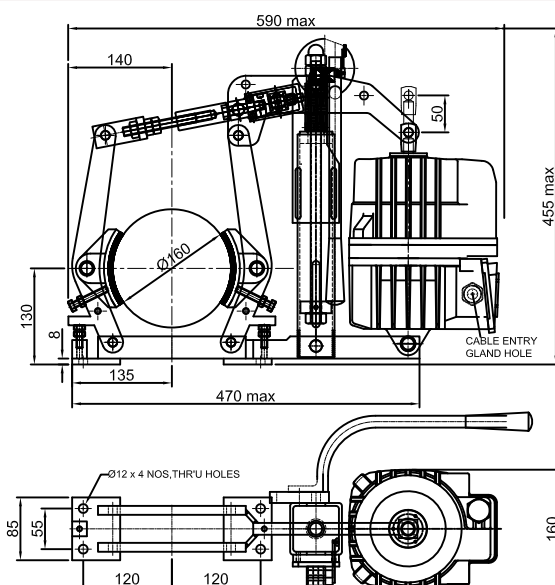
$$T = \text{Torque in Kgm} = \frac{716 \times \text{Hp}}{\text{rpm}}$$

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

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



ELDY 23-05



SDM-160-23/05

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