



INSTRUCTIONS 1401-B00 e

Section	1401
Effective	October 2018
Replaces	February 2017

Original instructions

Torque limiter screw compressors

MISTRAL - B600 - TYPHON II

INSTALLATION

OPERATION

WARRANTY :

Torque limiters for MISTRAL - B600 - TYPHON II are covered 24 months by warranty within the limits mentioned in our General Sales Conditions. In case of a use other than that mentioned in the Instructions manual, and without preliminary agreement of MOUVEX, warranty will be canceled.



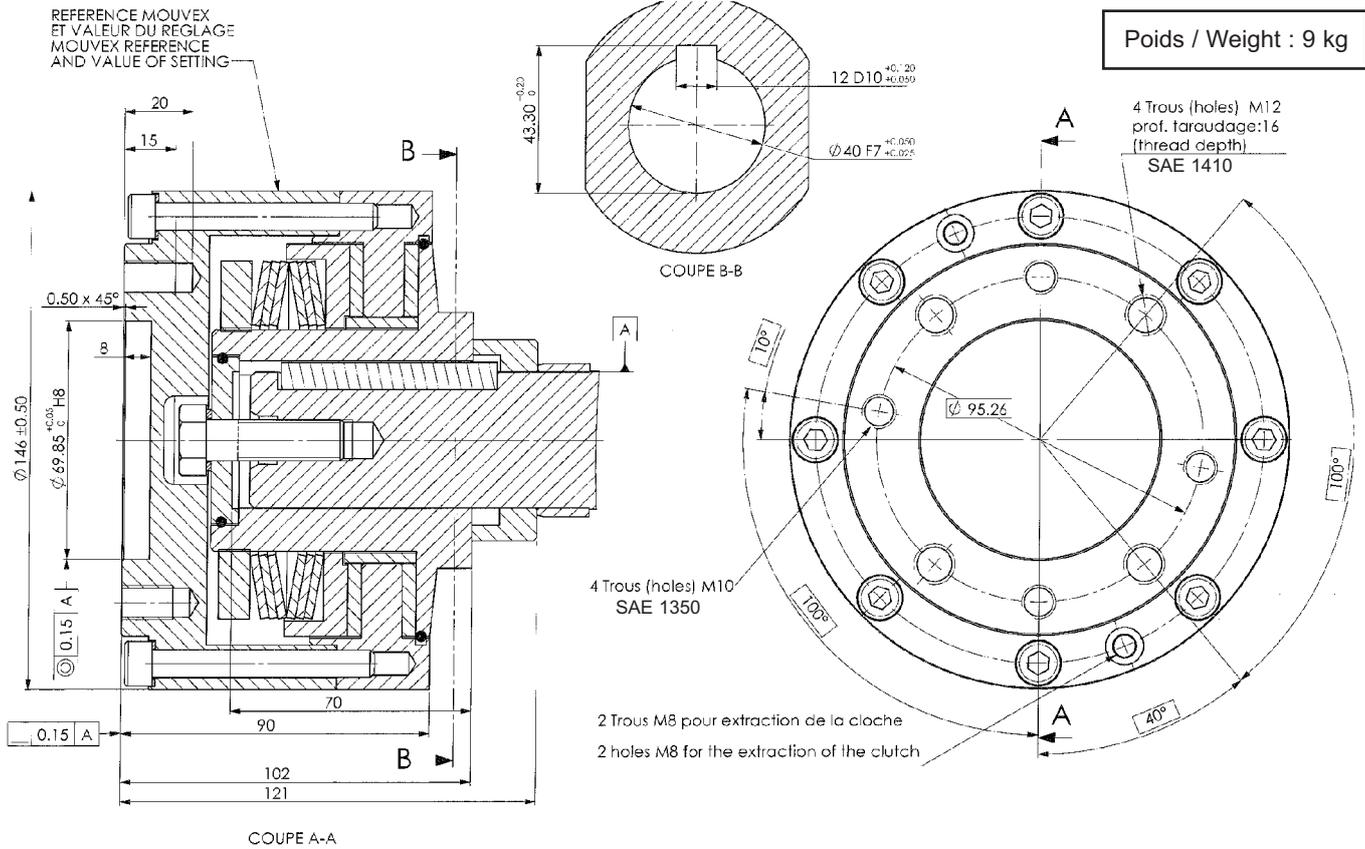
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Your distributor :

OVERALL DIMENSIONS

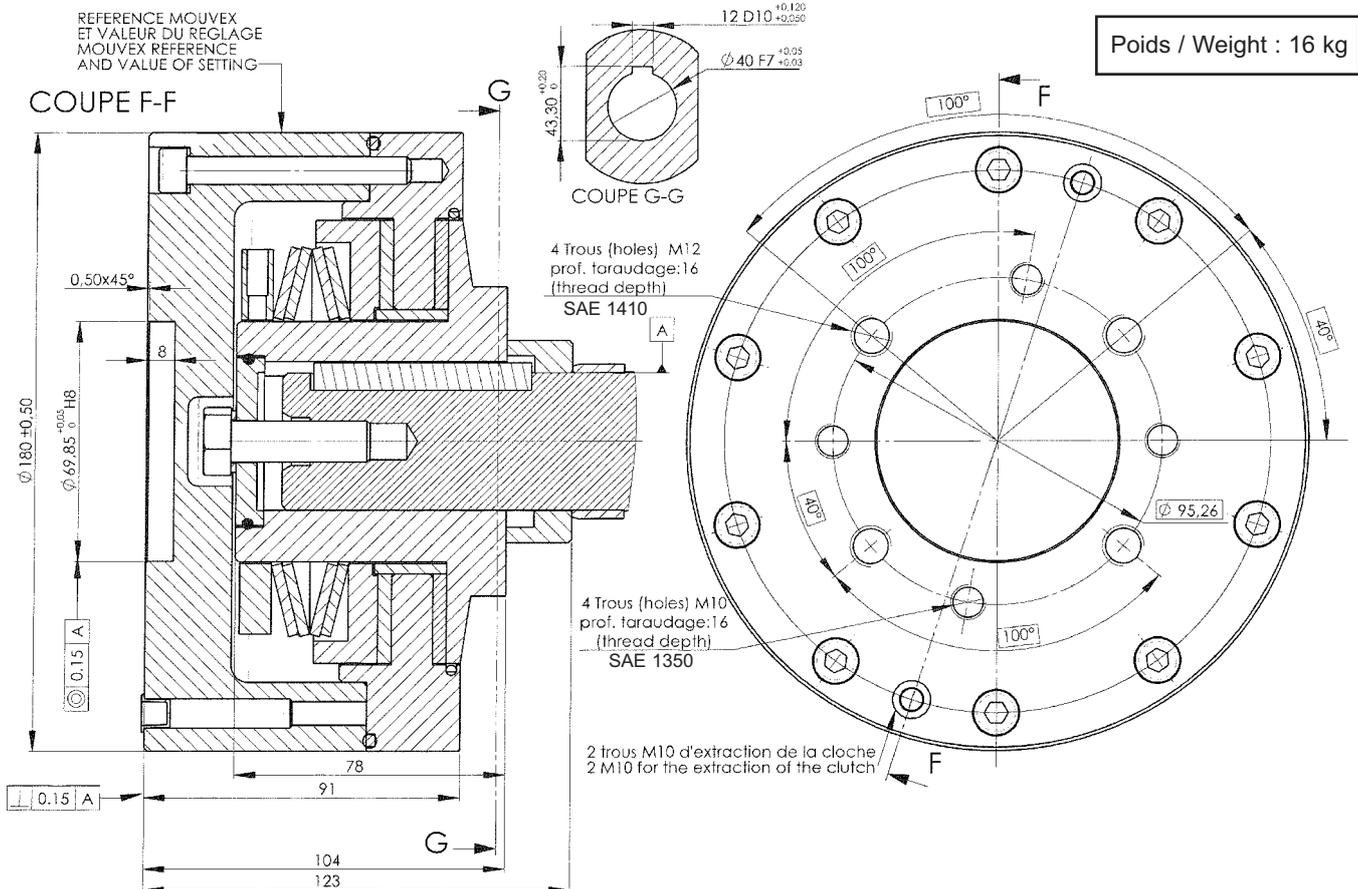
800 Nm

Poids / Weight : 9 kg

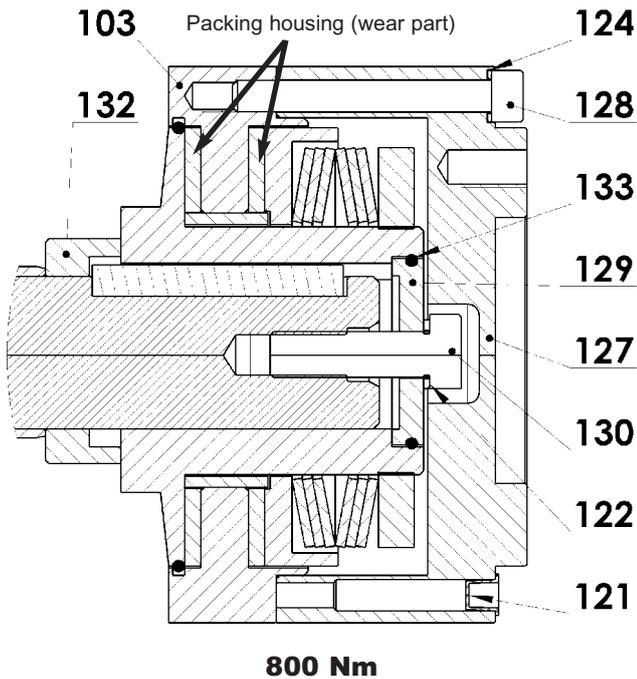


950 Nm

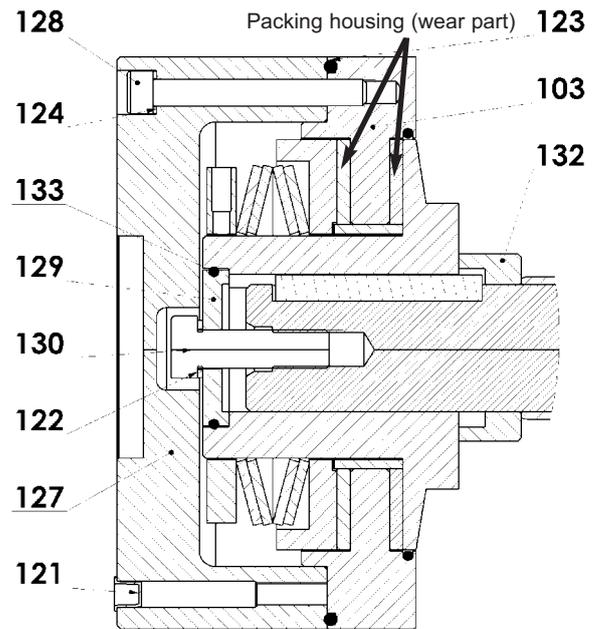
Poids / Weight : 16 kg



TORQUE LIMITER - SCREW COMPRESSORS



800 Nm



950 Nm

1. Assembly

The torque limiter is preset at the factory :

- at 800 NmØ ext. : 146 mm
- at 950 NmØ ext. : 180 mm

In no case should this setting be changed.

The table below gives, depending on the compressor and the type of drive, the setting for the suitable MOU-VEX torque limiter.

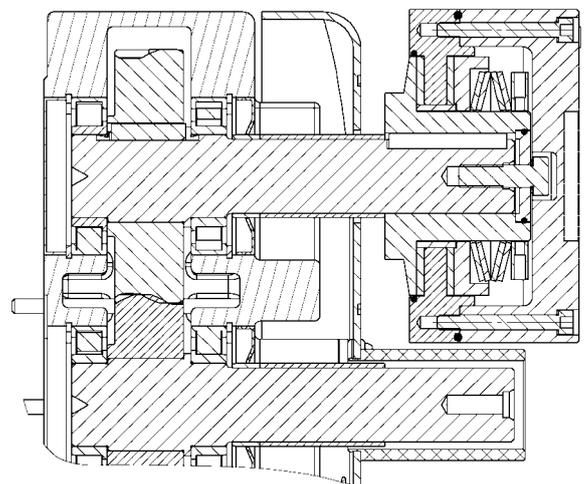
	30R	20R	19R/22L	13R/15L
B600	800 Nm			
MISTRAL	800 Nm			
TYPHON II	800 Nm			950 Nm

2. Opening the limiter

- Unscrew the screws 128.
- Remove the plastic plugs 121 and screw 2 of the screws 128 into the tapped holes of the clutch 127 until its extraction.

3. Fixing the limiter to the shaft

- Lubricate the shaft with graphite grease.
- **For 20R and 30R compressors :**
Slip the spacer 132 on the shaft by orienting the internal recess towards the shaft end.
- **For 13R/15L & 19R/22L compressors :**
The spacer 132 is already mounted on one shaft. Check it is mounted on the proper shaft. If not, switch position for the shaft protection and the spacer before mounting the torque limiter.
- Position the key.
- Press-fit the limiter onto the shaft so that it abuts with the spacer.
- Grease the O-ring 133 and mount it on the washer 129.
- Grease the housing of the washer 129 and position it on the torque limiter.
- Screw the screw 130 fitted with the seal 122 on to the shaft.



* Loctite® is a registered trademark.

TORQUE LIMITER - SCREW COMPRESSORS

4. Closing the limiter

- **Model 800 Nm** : Apply a sealing waterproof paste Loctite® 5972 or 510* on the disk **103**, in the area guiding part **127**.
- **Model 950 Nm** : Put the O-Ring **123** into the groove of the disk **103**.
- Engage the clutch **127** on to the disk.
- Place the screws **128** and tight them at 24 Nm.
- Fit the plastic plugs **121**.



DANGER

THE PACKING HOUSING IS PROTECTED FROM CORROSION BY THE WATERPROOF PASTE AND THE SEAL. NON-COMPLIANCE WITH THEIR DISMANTLING INSTRUCTIONS CAN LEAD TO DEGRADATION OF THE PROTECTION PROVIDED BY THE PRESSURE RELIEF VALVE

5. Operating

The torque limiter is a fuse in the transmission line. The aim of the torque limiter is to protect the transmission, specially the PTO (Power Take Off).

The torque is pre-set in factory to avoid any skating in normal use and smooth starting. Hard starting can generate skating.

6. Warranty limits

The damages due to the torque limiter skating are not included in the warranty.

Model 800 Nm : Not use the sealing waterproof paste, plugs **121**, seals **124** and others O-rings will void our warranty.

Model 950 Nm : Not use seal **123** and others O-rings, seals **124** and plugs **121** will void our warranty.