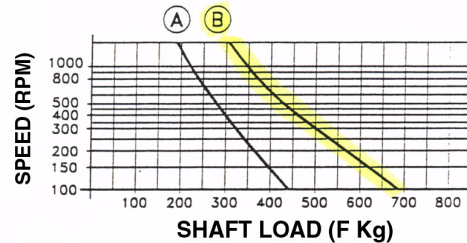
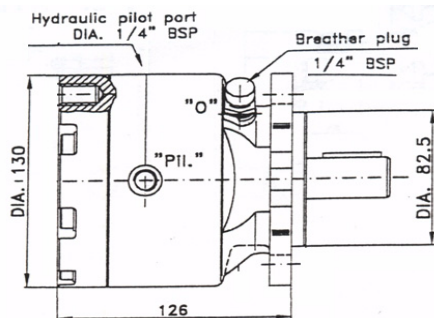


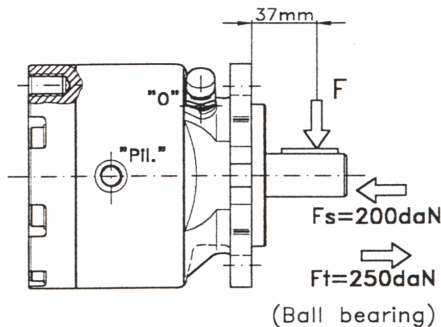
BTM are static brakes which use hydraulic pilot pressure for release. The braking action is obtained by a series of discs and springs acting onto the main piston. The brake housing is of spheroidal cast iron and extrusion proof seals are suitable for high pressures.

The brakes use hydraulic mineral oil with viscosity ISO VG 150 (15°E at 50°C); Oil enters through the "Oil" port, the main piston opens the discs and unlocks the main shaft. Pilot opening oil pressures are shown in the following table. Change oil after first 50-60 working hours and then every 500 - 1500 hours depending on working conditions. The BTM brakes cannot work without oil. Fill the lubrication oil through port "O" **. For vertical mounting specify the need of the optional elbow filling connector. The BTM brakes are for application on various types of hydraulic motors.



(B) Roller bearing

** Stocked range



Specification	Data
Min static torque (nm)	480 - 520
Min. releasing Pressure (bar)	20
Max. Operating Pressure (bar)	350
Min Displacement volume (cc)	7 - 8
Lube oil volume, horizontal (cc)	70
Lube oil volume vertical (cc)	130
Weight (kg)	9.5

Part No.	STATIC TORQUE Nm	INPUT FLANGE	OUTPUT FLANGE	INPUT SHAFT	OUTPUT SHAFT
BTM-50-F1-E2-B2-U2-R	490	SAE 'A'	SAE 'A'	1" FEMALE	1" MALE
BTM-50-F1-E5-B2-U7-R	490	SAE 'A'	SAE 'A'	1 1/4" FEMALE	1 1/4" MALE
BTM-50-F1-E3-B2-U6-R	490	SAE 'A'	SAE 'A'	32MM FEMALE	32MM MALE

** LUBRICATION OIL ISO VG150, Horizontal Mount = 70 cc, Vertical Mount = 130 cc
Minimum Pilot Pressure = 20 BAR
Maximum Pilot Pressure = 350 BAR