



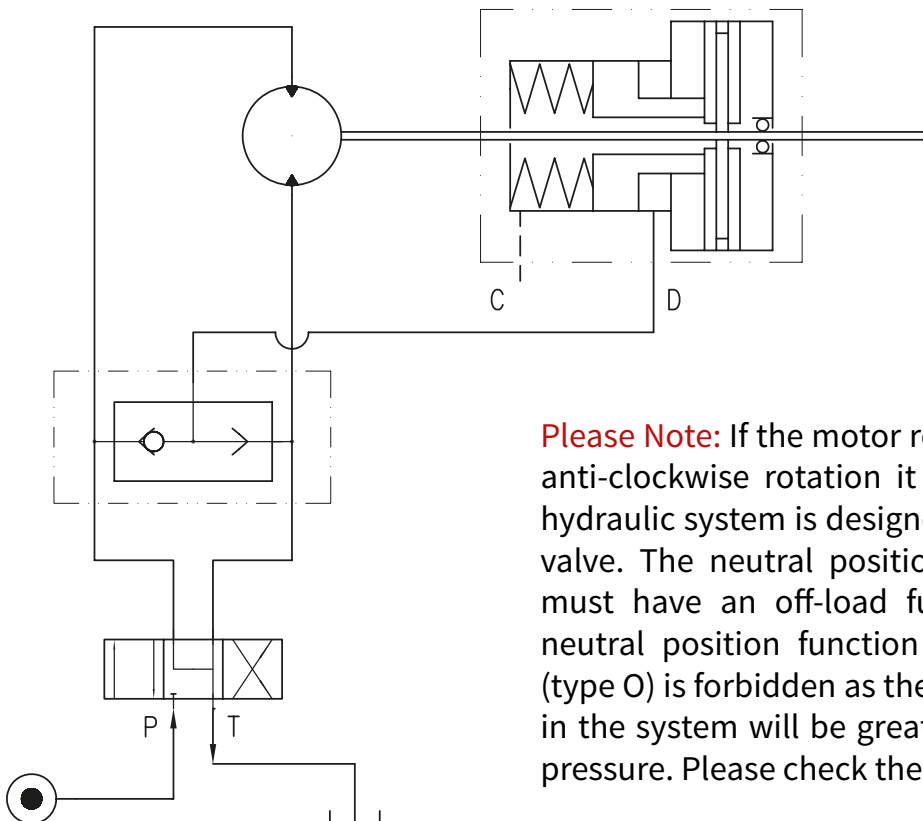
BK2 Series Hydraulic Brake System

The BK2 series is a wet disc brake that adopts a high friction disc and high strength spring design to produce a robust, low noise, high braking component. With a 4 Drain port design, compact structure and easy mounting, this brake can be used for different applications and is suitable for use with MP & MR series hydraulic motors. It is widely used on heavy duty machinery in all types of applications including cranes, construction, material handling, agriculture, mining and forestry. It can also be used for winches and hydrostatic drive systems.



HYDRA PART	SERIES CODE	STRUCTURE CODE	TORQUE	INPUT SHAFT HOLES	OUTPUT SHAFT EXTENSIONS	PAINT COLOUR
X	X	X	X	X	X	X

Typical Application Drawing

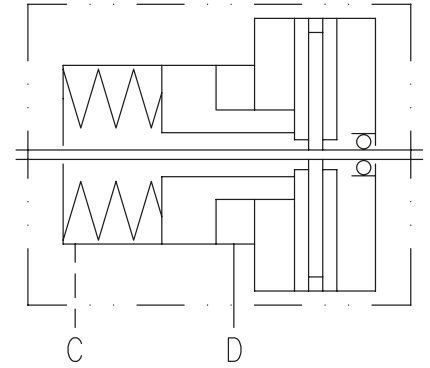


Please Note: If the motor requires both clockwise and anti-clockwise rotation it is recommended that the hydraulic system is designed with the use of a shuttle valve. The neutral position of the directional valve must have an off-load function (type Y or H). The neutral position function without off-load function (type O) is forbidden as the pressure of the outlet port in the system will be greater than the brake opening pressure. Please check the drawing for reference.

Specification Data

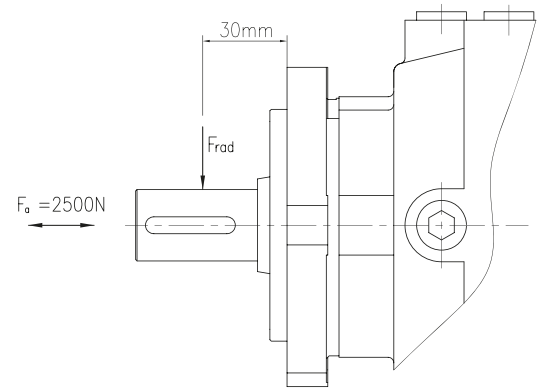
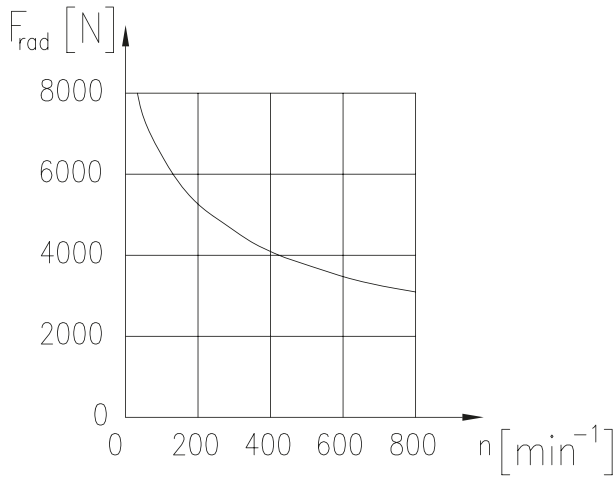
Item	BK2-1		BK2-2
Min. static Torque [Nm]	200 ~ 230	410 ~ 450	410 ~ 450
Min. Opening Pressure [MPa]	1.7 ~ 2.3		
Max. Opening Pressure [MPa]	30		
Min. oil quantity for brake releasing [cm ³]	7 ~ 8		
Oil volume [cm ³]	50 ~ 120		
Max. pressure in drain space [MPa]	0.05		
Weight [kg]	9		9.5

*Static torque is obtained at working pressure 0 MPa

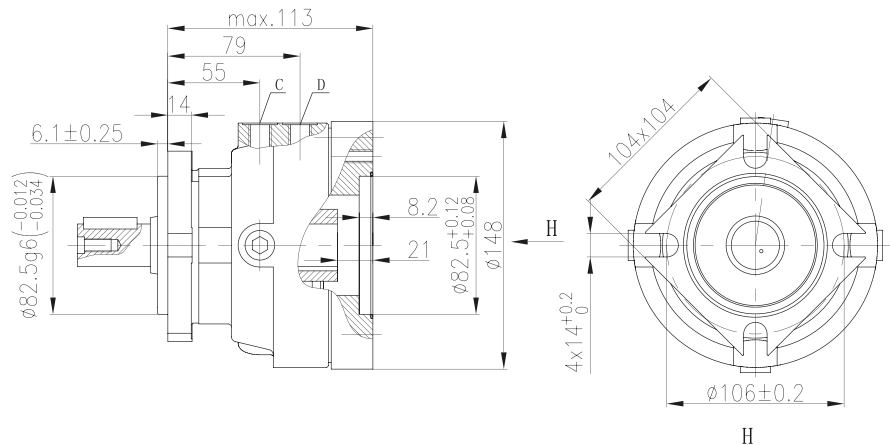


Symbol Drawing

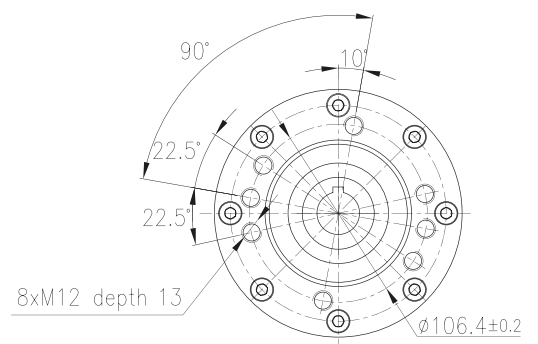
Load Curve



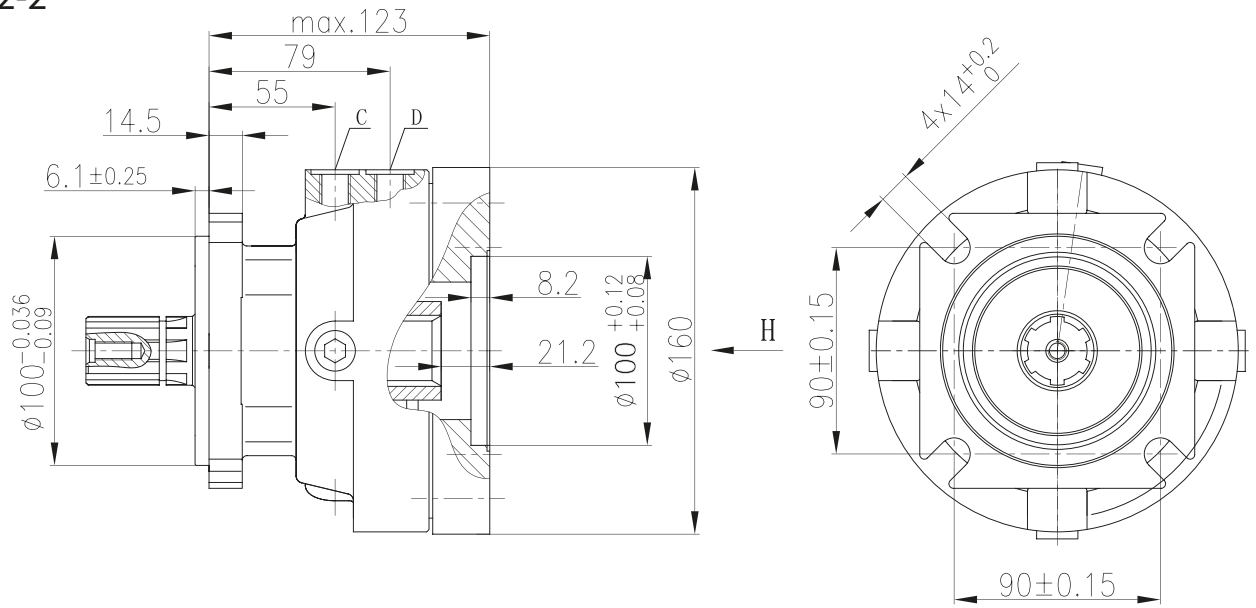
Mounting Data Model BK2-1



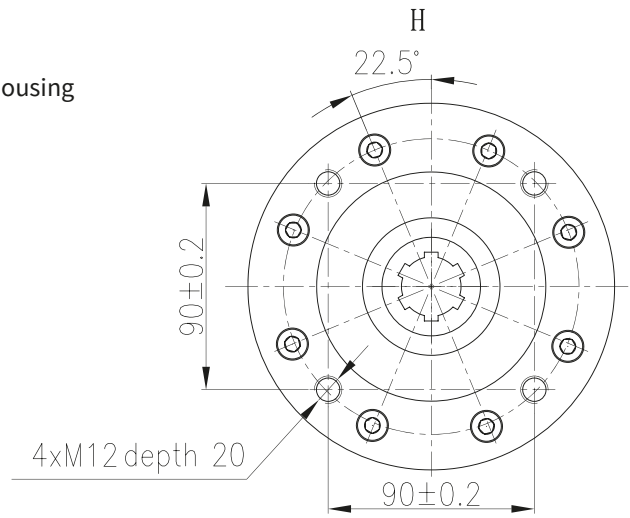
C Drain port—G1/4, 9mm depth; Infuse port in the housing
D Brake release port—G1/4, 9mm depth



Model BK2-2



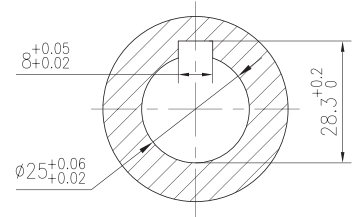
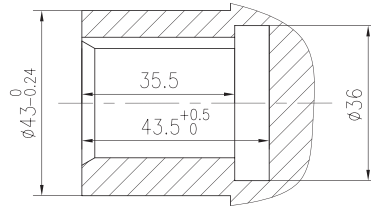
C Drain port—G1/4, 9mm depth; Infuse port in the housing
D Brake release port—G1/4, 9mm depth



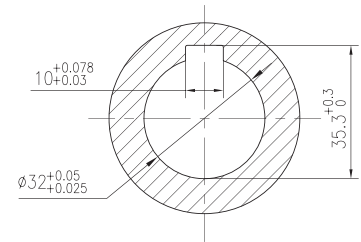
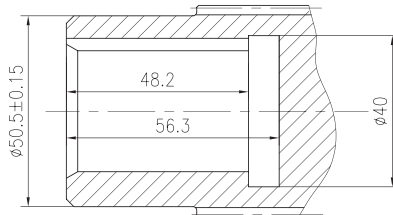
INPUT & OUTPUT SHAFT DATA

INPUT SHAFT HOLES

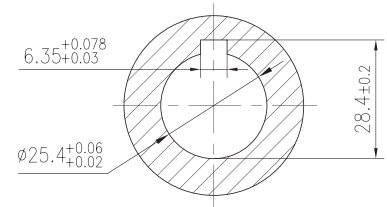
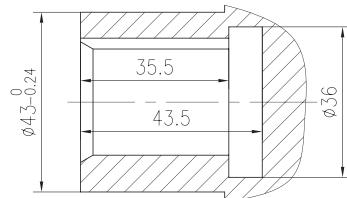
A



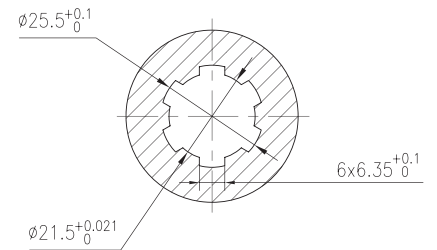
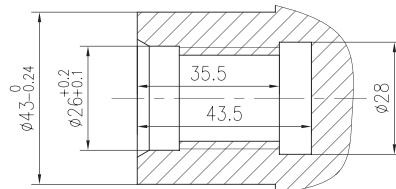
B



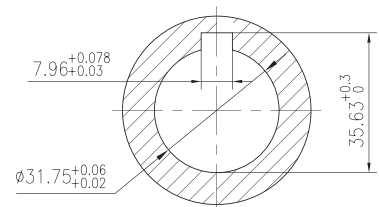
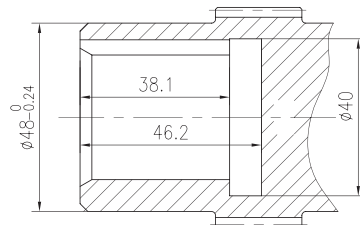
C



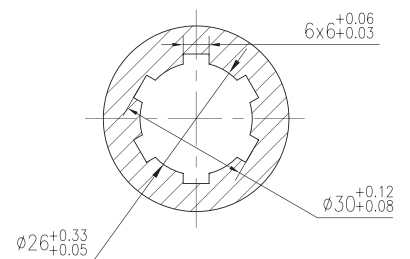
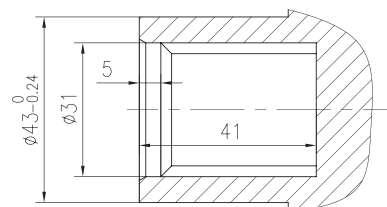
E



G

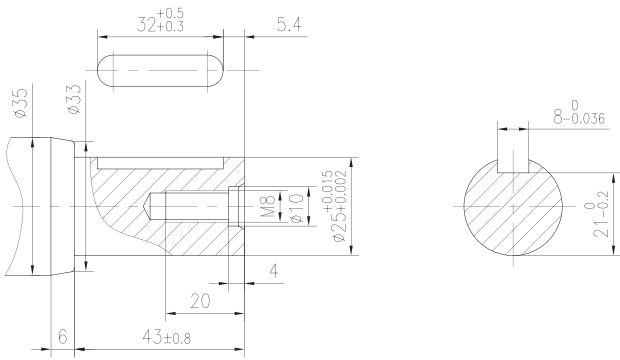


N

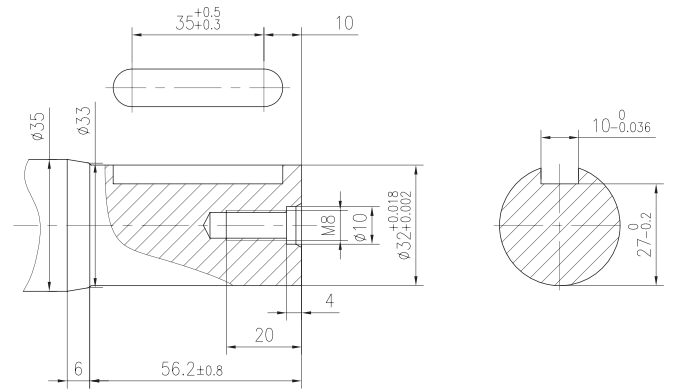


OUTPUT SHAFT EXTENSIONS

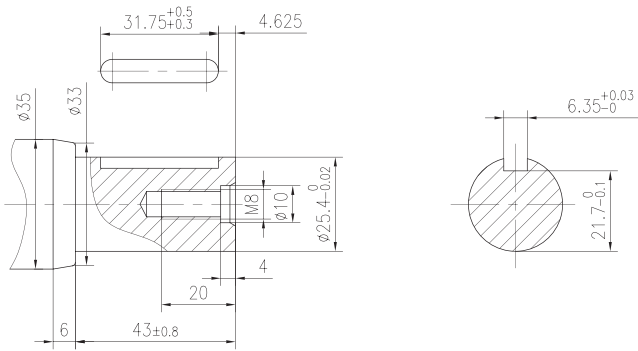
A



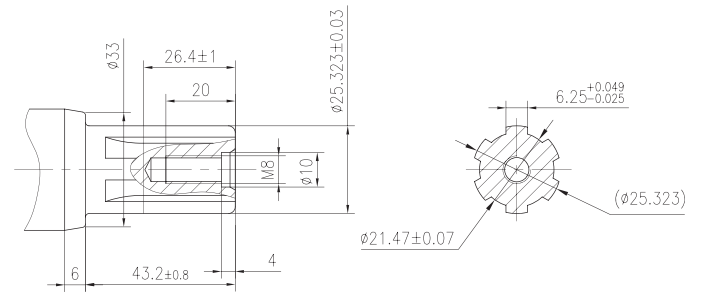
B



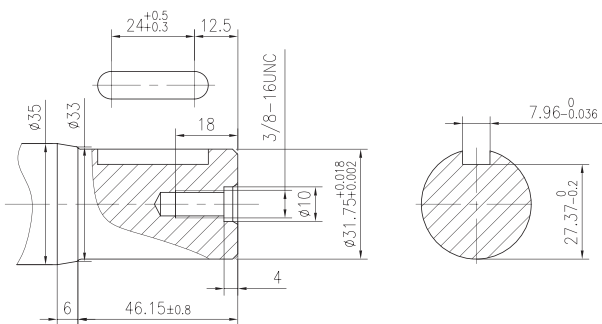
C



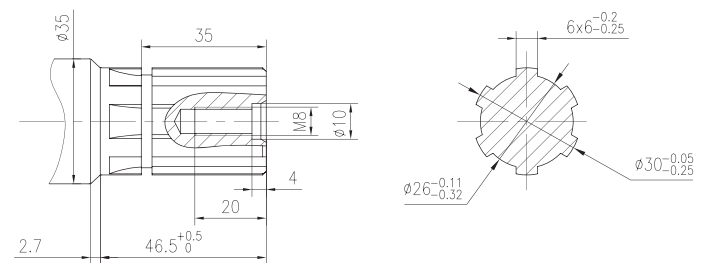
E



G



N



Order Information

1	2	3	4	5	6	7
BK	-	-	-	-	-	-

Pos.1	2	3	4	5	6	7
Series Code	Structure Code	Torque	Input Shaft holes	Output Shaft extensions	Paint	Unusually function
1	Torque200--230Nm	210	A Shaft holes Ø 25, Parallel key 8x7x32	A Shaft Ø 25, Parallel key 8x7x32	No Paint	omit
			B Shaft holes Ø 32, Parallel key 10x8x45	B Shaft Ø 32, Parallel key 10x8x45		
2	Torque410--450Nm	430	C Shaft holes Ø 25.4, Parallel key 6.35x6.35x31.75	C Shaft Ø 25.4, Parallel Key6.35x6.35x31.75	Blue	omit
			E Shaft holes Ø 25.4, splined key SAE 6B	E Shaft Ø 25.4, splined key SAE 6B	Black	B
2	Torque410--450Nm	430	G Shaft holes Ø 31.75, Parallel key 7.96x7.96x31.75	G Shaft Ø 31.75, Parallel Key7.96x7.96x31.75	Sliver	S
			N Shaft holes Splined 6-30x26x6	N Shaft Splined 6-30x26x6	Grey	S
			J Shaft holes Splined 6-30x26x8	J Shaft Splined 6-30x26x8		Standard omit