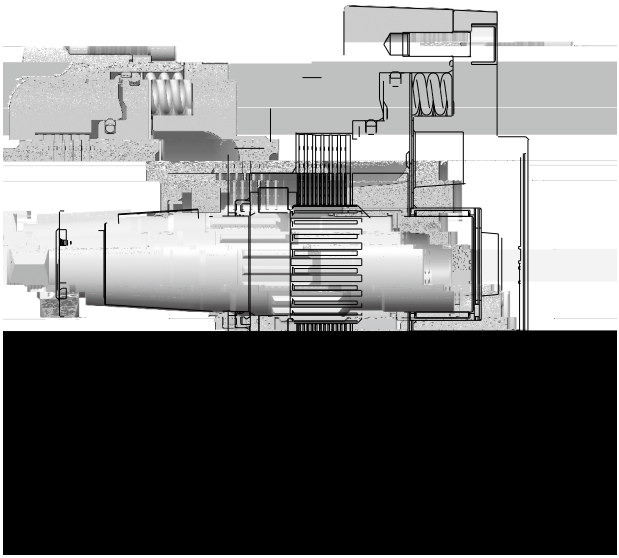
Advantages

The HBK series brakes are normally-off oil wet static hydraulic brakes, which utilize spring action to produce the braking force, while oil pressure is used to release the brake.

Overview

· A combination of roller bearings and needle roller bearings ensure a high-strength load capacity.
· It features unique friction-resistant materials and a high-strength spring design, allowing for a long service life and high braking reliability.
. All core components are immersed in oil in order to further extend service life and reduce noise.

Standard structure



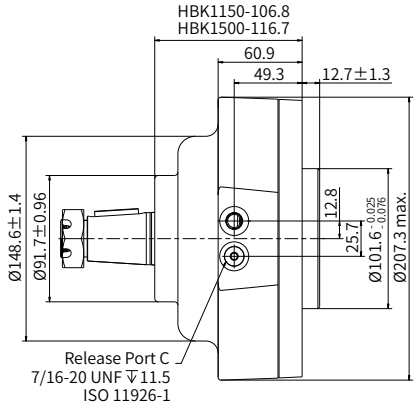
№. . /0

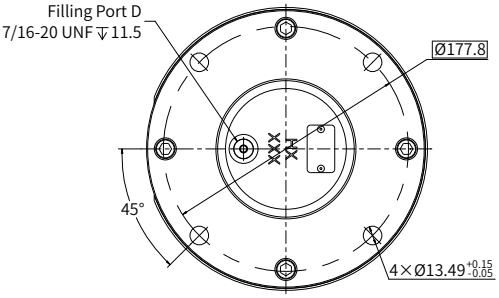
Specification

Type	HBK1150	HBK1500
Min. static torque (Nm)	1150	1500
Brake release pressure (bar)	28	
Max. release pressure (bar)	250	
Min. amount of brake release oil (cm^3)	11.5	
Max. speed (rpm)	250	
Volume of lubricating oil in brake cavity (cm^3)	180	
Max. working oil temperature ( )	82	
Weight (kg)	16.1	17.2

R+..17

Installation size





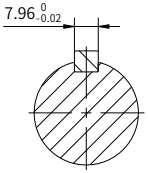
N+../1

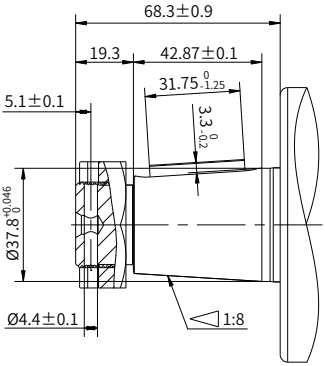
B01 7/16-20UNF

Shaft end dimensions

T7

Ø38.1mm Tapered
Parallel key 7.96 × 7 × 31.75
Tightening torque 410-540Nm
Max. Torque: 1200Nm





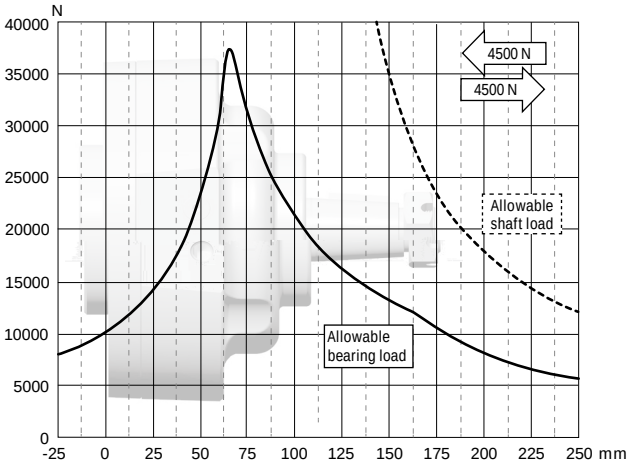
N+../2

Allowable shaft load/bearing curve

As shown in the fgure, when the axial load is 0, the radial allowable load of the output shaft is related to the distance from the fange mounting surface to the load action point.

The solid line shows the allowable radial load of the bearing. It is based on L_{10} bearing life 2000 hrs at 100 RPM with rated output torque.

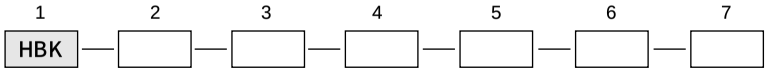
The dash line shows max radial shaft load. Any shaft load exceeding the values quoted in the curve will involve a risk of failure.



N+../3

N+...3

Ordering information



Pos.1	2	3		4		5		6		7	
Series code	Displacement	Mount, Port		Output shaft		Rotation direction		Paint option		Special features	
HBK	1150 1500	B01	4 × Ø13.1 round fange, Port 7/16-20UNF, Rear pilot Ø101.6 × 12.8	T7	Ø38.1Tapered, Parallel key 7.96 × 7 × 31.75	N	None	N B C	No Paint Black Hengli blue	A	Standard

R+..2.

Note: When using the order information, the user can select the motor series, displacement, installation fange, port, shaft and other information. If the selected speci fcation is not in the table or has special requirements, please contact us.