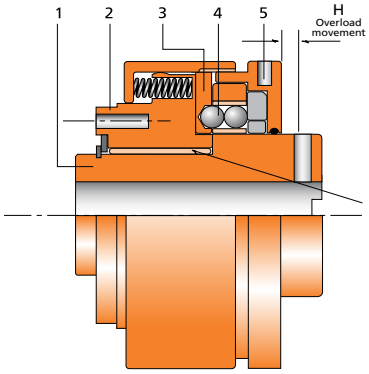
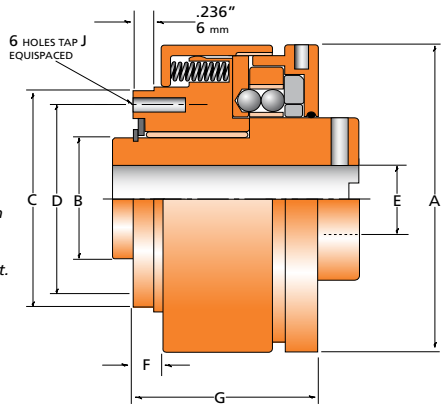
Type JBB - Automatic Reset

Release Torque: 50 to 1000 lb ft, 70 to 1356Nm



Note:
Ball bearing standard on model 1000. Ball bearing or bronze bush on model 550 depending on application requirement.



Technical Features

- ***Instant release at pre-set torque***
- ***Smooth hold-out for one revolution***
- ***Means for motor switch-off***
- ***Automatic self-engagement on restart without loss of phasing***
- ***Also available fitted with pulley (JBP)***
- ***Rigid Coupling (JBR)***

Model	Release Torque Min *Nm* lb ft	Release Torque Max *Nm* lb ft	① Max Speed rpm	*Dimensions in mm* **and inches** A	B	C	D	E Max	E Min	F	G	H	J	Weight *kg* lb
JBB6	*68*	*745*	*500*	*145*	*67*	*106f7*	*95*	*44*	*19*	*15*	*100*	*3*		*8*
	50	**550**		**5.70**	**2.63**	**4.173**	**3.74**	**1.75**	**0.75**	**0.59**	**3.93**	**0.12**	**5/16-18**	**17.6**
JBB7	*338*	*1356*	*500*	*205*	*85*	*142f7*	*125*	*57*	*32*	*20*	*150*	*4*		*25*
	250	**1000**		**8.07**	**3.34**	**5.591**	**4.92**	**2.25**	**1.25**	**0.78**	**5.9**	**0.16**	**7/16-14**	**55**

Normal Running

The drive is transmitted between the hub flange **1** and the drive flange **2** by the balls **4**, spring-loaded into the pockets on the ball detent ring **3** secured by dowels.

Disengagement

On overload, the balls are displaced axially through the hub flange, further compressing the springs. Once out of their pockets, the balls roll on the face of the hub flange for one revolution before re-engaging and synchronizing the drive.

Torque Adjustment

The release torque is set by tightening nut **5** thus increasing the spring pressure. After setting, the nut is locked by a set screw.

Installation

Clutches can be supplied pilot bored or finish bored and keywayed. The hub may be fitted to either shaft and should be axially constrained against a shoulder to resist the resetting force and locked by means of a set screw onto the shaft key. The drive flange may be connected to a flexible coupling or can carry a sprocket or pulley.

Application

This type of protection is ideally suited to drives where it is essential to restart in the correct sequence and where access for manual resetting is not available.

① ***Applicable to all variants.***

Note: Type JBB clutches should always be used with a limit switch to bring the drive to rest within a few revolutions thus preventing possible damage by continual releasing and resetting.

Consult factory for special application