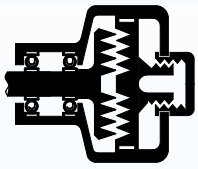
Model X – CRD
CR Dashpot



Specification

Rate
Fixed - see curves right (± 10%)

Max. safe torque
53 lbf.ins / 6 Nm

Ambient temperature range
0°C to 60°C

Frictional torque
0.3 lbf.ins / 0.034 Nm typical

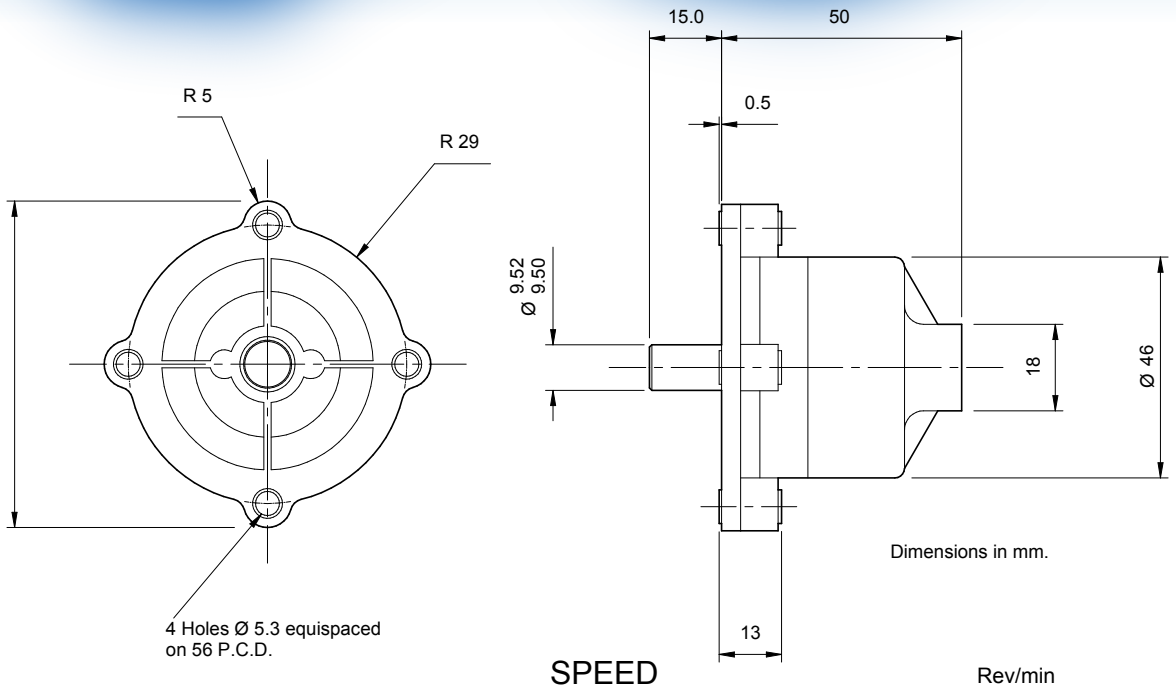
Shaft material
Mild steel 080A15 (case hardened). The shaft can be supplied unhardened.

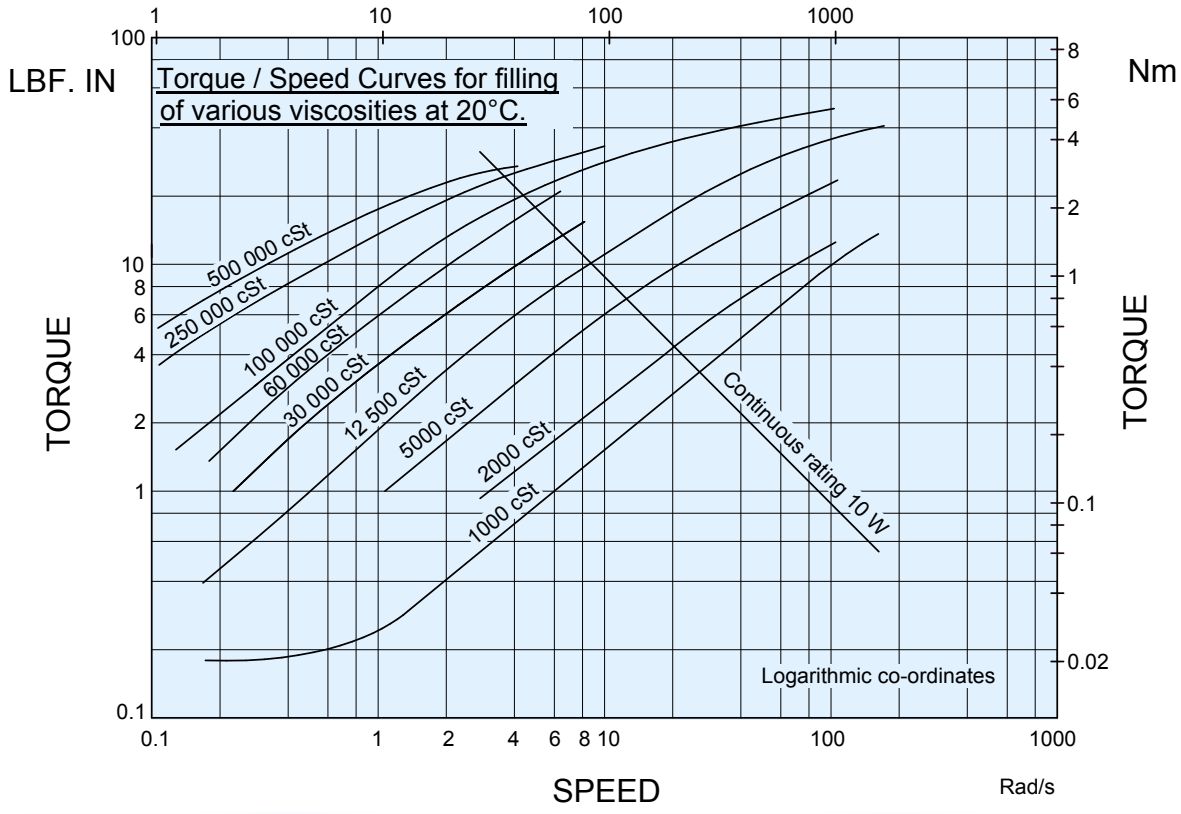
Body material
Zinc alloy Mazak 3

Weight
0.78 lbs / 355 g

Bearing
Single overhung anti-friction bush

Applications
Value engineered to suit volume applications where unit cost is of paramount importance.
Viscous damping is produced by shear of a film of silicone fluid, using a drum type rotor. Static friction is higher than for other dashpots in the range but is not significant for most applications.
The dashpot is designed to react pure torsion and therefore side or axial loads should be avoided.
Typical applications include damping moving parts in light machinery, e.g. Copying machines, control of coil dereeling, control of descent.





Viscosities Available

1,000; 2,000; 5,000; 12,500; 30,000; 60,000; 100,000; 250,000; 500,000 cSt.

Specification of fluid viscosity provides torque/speed characteristics shown by the curves above.

Ordering Codes

X – CRD – (Filling Viscosity)

Example:
X – CRD – 12,500 has a 12,500 cSt filling.