

# BT-S Tuff Radial Motion Gripper

## Features

- Square body design with built in cylinder
- Roller burnished I.D. and hard-coat anodized for wear resistance
- Hardened steel clevis link
- Ground steel jaws
- Self-lubrication pivot bushings
- Hardened pins for increased cycle life
- Dowel pin & tapped holes for tooling
- Optional sensing (see page 25)
- Side and bottom mounting with dowel pin & tapped holes



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## Technical Data

Operation Pressure = 60-110 psi  
 Repeat accuracy = +/-0.002"  
 Life expectancy = >5 million cycles

Grip Force = Operating pressure * Grip Factor * Derating Factor	
Spread Force = Grip Force	
Type	Grip Factor
BT-0S	0.17
BT-1S	0.38
BT-2S	0.72
BT-3S	1.35

Force diagrams below depict the grip force, which is the sum of the forces of the jaws at the middle of the jaw between the mounting holes. For added on tooling a graph is given for derating the grip force.

