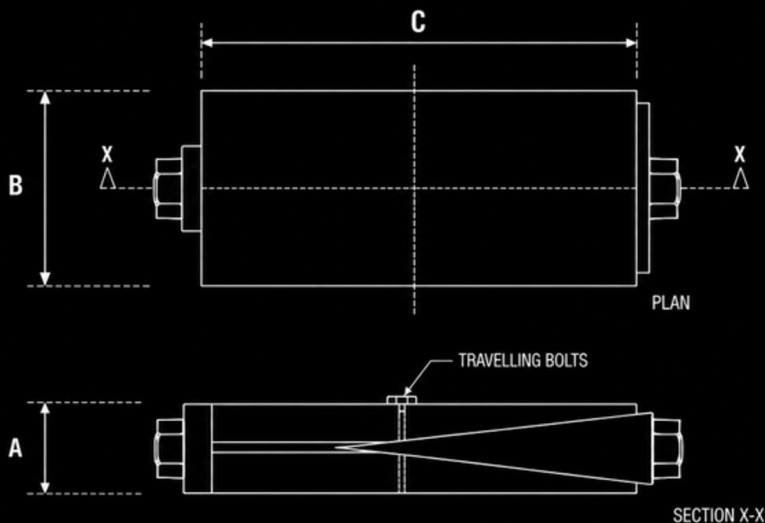


# HRJ120-20 MECHANICAL HARJAK DATASHEET

## TECHNICAL DIMENSIONS



- A CLOSED HEIGHT
- B OUTSIDE DIAMETER
- C LENGTH (MAIN BLOCK)

NOTE 1: REMOVE TRAVELLING BOLTS BEFORE INSTALLATION AND JACKING  
NOTE 2: THIS DRAWING IS INDICATIVE ONLY AND NOT TO SCALE

ALL DIMENSIONS ARE IN MILLIMETRES (mm)

| KEY | DESCRIPTION         |
|-----|---------------------|
| A   | CLOSED HEIGHT       |
| B   | OUTSIDE DIAMETER    |
| C   | LENGTH (MAIN BLOCK) |

### KEY FEATURES

- ✓ Compact Low-Profile Design (40mm)
- ✓ No Hydraulics Required
- ✓ Hardened Alloy Steel Construction
- ✓ Folding Wedge Mechanism
- ✓ Simple Torque Wrench Operation

### APPLICATIONS

- Bridge Bearing Preloading
- Permanent Load Transfer
- Steelwork Pre-loading & Deflection
- Temporary Propping & Strutting
- Settlement Compensation

HYDRA-CAPSULE

## SPECIFICATIONS

Model: HWJ120-20

|                      |                            |
|----------------------|----------------------------|
| Maximum Capacity     | 1200 kN                    |
| Maximum Stroke       | 20 mm                      |
| Closed Height (A)    | 100 mm                     |
| Jack Weight          | 50.20 Kgs                  |
| Outside Body (C + B) | 250 x 250 mm               |
| Type / Model         | Mechanical Wedge (HWJ)     |
| Operation            | Manual Torque Wrench       |
| Function             | Preloading & Load Transfer |
| Max Torque           | 1920 Nm (estimated)        |

## TORQUE / LOAD TABLE

| Torque (Nm) | Load (t) | Load (kN) | %    |
|-------------|----------|-----------|------|
| 480         | 30.00    | 300.0     | 25%  |
| 960         | 60.00    | 600.0     | 50%  |
| 1440        | 90.00    | 900.0     | 75%  |
| 1920        | 120.00   | 1200.0    | 100% |

## STANDARD SELECTION

