

90.305.2/2D Test Stand Features

- Rugged, solid steel construction with adjustable plate and easy to operate hydraulic hand pump.
- Use with DADCO's Standard or Digital Load Cells for quick and accurate method of gauging the internal pressure or on-contact force of DADCO Nitrogen Gas Springs
- Sized specifically for mid-size gas springs: accommodates Gas Springs through 453 mm (17.83") overall length and up to 17.8 kN (4,000 lb.) of force. (See chart for models)
- Mounting holes in base allow for bench installation.

Test Stand Compatibility			
Gas Spring		Stroke (mm)	
Series	Model	Standard Load Cell	Digital Load Cell
Micro	C.045 – C.250	7 – 160	7 – 200
L/LJ	L/LJ.300 – L/LJ.750	6.3 – 125	
Ultra Force®	U.0175 – U.1600	7 – 125	
UH	UH.0400 – UH.1600	10 – 125	
Ultra Force Extended®	UX.0800 – UX.1600, UX.1000V	12.5 – 150	12.5 – 200
UT	UT.1000	12.5 – 125	
90.10/90.10RX	90.10.00500 – 90.10.01500	12.5 – 137.5	12.5 – 160
90.8	90.80.00750 – 90.8.01500	12.5 – 150	12.5 – 175
SC	SC.00420 – SC.01000	10 – 50	
SCR	SCR.0500 – SCR.1900	10 – 80	

If your model and stroke are not listed, contact DADCO for additional options.

Standard Configuration



90.305.2

Note: 90.305.2 Mini Test Stand dimensions are H = 742 mm, W = 250 mm, D = 127 mm

Digital Configuration



90.305.2D

Note: 90.305.2D Mini Test Stand with Digital Load Cell Meter dimensions are H = 742 mm, W = 296 mm, D = 160 mm

Ordering Options:

90.305.2

Standard Configuration

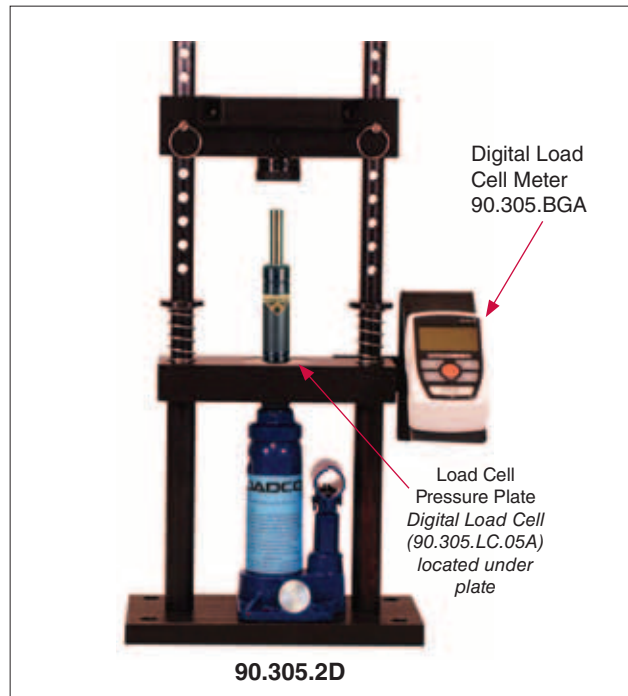
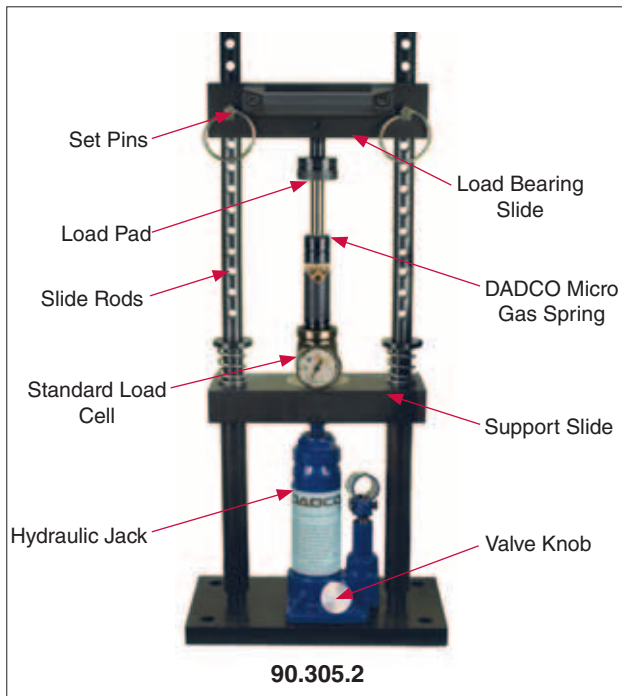
Test Stand configured for use with Standard DADCO Load Cells. (Standard Load Cells sold separately. For more information on DADCO's Standard Load Cells, refer to bulletins B16119A).

90.305.2D

Digital Configuration

Test Stand configured with DADCO's Digital Load Cell. (Digital Load Cell and Meter included. For more information on DADCO's Digital Load Cell, refer to bulletin B04106E).

Mini Test Stand – 2 ton



Operation

Please follow guidelines below for proper operation:

1. Release the jack to its lowest position by opening the release valve slowly counterclockwise using the Valve Knob. Fully screw in the load pad.
2. Remove the set pins and raise or lower the load bearing slide to accommodate gas spring and standard load cell. Reinsert set pins. Center the gas spring and load cell on the support slide.
3. Unscrew the load pad until it makes contact with the gas spring rod or the standard load cell, depending on the gas spring model.
4. Close the release valve clockwise using supplied handle.
5. Hand pump the jack until the gas spring and/or load cell are fully loaded (compress no more than 2 mm (1/16") for accurate reading).
6. Again, using the Valve Knob, open the release valve, screw in the load pad and remove gas spring.

NOTE: For 90.305.2 model, place Micro (C) and U.0175 / U.0325 gas springs on top of load cell. Standard load cells for Mini (L/LJ), U / UH.0400 – U / UH.1600 gas springs and UX.1000 – UX.1600 springs are placed on top of the rod.

Maintenance

- Keep slide rods and set pins lightly lubricated.
- Check oil level at filler plug on left side of jack, add hydraulic jack oil if necessary.
- Keep jack clean, occasionally lubricate screws and pivot points.
- Retract jack when not in use.

Load Cells

Standard Load Cell

When used with a DADCO Test Stand, the Standard Load Cell gives precise measurement of gas spring charging pressure. Each model requires its specified load cell. For more information on Micro and U.0175/U.0325 Load Cells, request bulletin B07108C. For details on Mini and U.0400 – U.1600 Load Cells, refer to bulletin B16119A.



Digital Load Cell

90.305.BGA (Meter) 90.305.LC.05A (22.2 kN Load Cell)

The DADCO Digital Load Cell Meter can display force in N, Kg or lb. The 90.305.LC.05A Load Cell (supplied with connector) may be used to measure gas spring force up to 5,000 lbs (22.2 kN). For more information request bulletin B04106E.

