



231 Series Heavy Duty Stands

Short mobile heavy duty stand

The **231 Series** stands available in several configurations, whose working heights range from a minimum of **28"** (71 cm) to a maximum of about **42"** (107 cm), as measured from the floor to the top of the intermediate tube, on which all instrument mount accessories are attached. This stand height specification does not include the added height and vertical range of any of our stand accessories or instrument adapters.

A wide variety of stand adapters, slides, lifts, and various instrument mounts fit into the intermediate tubes of our heavy duty stands. Please refer to the table below for the various stock options, or request your own variation on this theme.

The 231 Series is also available in a "hollow" version, which means that there is an unobstructed vertical path straight down through the center of the stand. This is useful in certain applications when it is critical to position the stand over a specific point. Any stand or accessory designated as "hollow" has this characteristic.



A special version of the 231, called the **231-MOD-0** (see photo at left) has a range of **20 5/8" - 25 5/8"** (52.4 - 65.1 cm). This is shorter than the standard 231, and comes with a 235-3 instrument adapter on top.

Stands in this group are generally used to support all types of metrology instrumentation, from portable CMM arms to laser trackers and scanners, to laser alignment devices, particularly when working with surface plates, machine tables, way checking, and assembly operations. Stability is the keyword here; this stand maintains instrument position very well, but it is not the type of stand that you throw over your shoulder and carry around! Mobility around the shop floor is permitted using the drop-down casters under the heavy-duty tribrach base which are engaged and released by a foot pedal. An air-check mechanism provides backup protection to prevent sudden drops of the instrument column in case the operator simultaneously releases the collar lock and main handle while disengaging the ratchet pawl.

You may wish to read more general information about our heavy duty stands on our website.

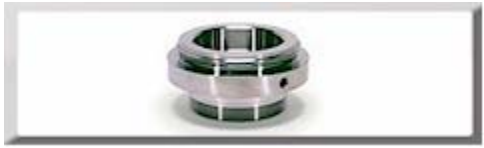
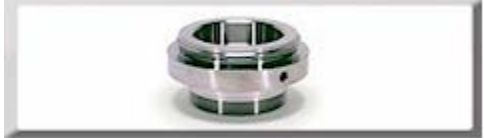
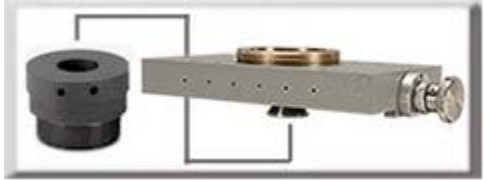


Specifications

Finish: Machine grey; other finishes available on request.





See other information for specific models in table below

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Standard options for Non-Hollow 231

Model & Height	Description	Has this on top:
231-MOD 19 5/8" - 24 5/8" (49.8 - 62.5 cm)	Stand, modified model 231, shorter than the standard 231, with no adapters. See photo of similar model 231-MOD-0 above. Weight: 130 lbs (59 kg)	Nothing on top of the instrument support tube, which has 2.825" x 20 internal threads at the top.
231-MOD-0 20 5/8" - 25 5/8" (52.4 - 65.1 cm)	Modified model 231, shorter than the standard 231, has 235-3 hollow adapter with 3½"-8 thread (pictured at right). See photo of 231-MOD-0 above. Weight: 133 lbs (61 kg)	
231STK 28" - 42" (71 - 107 cm)	Basic 231 type, with no adapters. Weight: 155 lbs (71 kg)	Nothing on top of the instrument support tube, which has 2.825" x 20 internal threads at the top.
231-0 29" - 43" (74 - 109 cm)	Model 231STK with 235-3 hollow adapter having 3½"-8 thread (pictured at right). The 235-3 adds 0.975" (24.8 mm) to the stand height. Weight: 158 lbs (72 kg)	
231 31" - 45" (79 - 113 cm)	Model 231STK with 235-16 lateral slide adapter with dovetail inset and mating 802 lateral slide (pictured at right). This combination adds 2.68" (68.1 mm) to the stand height. Weight: 167 lbs (76 kg)	
231-2 32" - 47" (81 - 118 cm)	Model 231STK with 800 precision lift and 802 lateral slide (pictured at right). This combination adds 4.01" (101.9 mm) to stand height when the model 800 is fully retracted and adds 4.64" (117.9 mm) when fully extended. Weight: 172 lbs (78 kg)	
231-R 32.5" - 46.5" (83 - 118 cm)	Model 231STK with 235-3 hollow adapter and B46632 swivel head. This combination adds 4.475" (11.4 cm) to the stand height. Weight: 169 lbs (77 kg)	

Standard options for Hollow 231

Model & Height	Description	Has this on top:
231STK-H 28" - 42" (71 - 107 cm)	Model 231STK with "hollow" option, and with no adapters. Weight: 185 lbs (84 kg)	This option has nothing on top of the instrument support tube, or "intermediate" tube (see photo above), which has 2.825" x 20 internal threads at the top.
231-HO 29"-43" (73.5-109.5 cm)	Model 231STK-H "hollow" with 235-3 hollow adapter having 3½"-8 thread (pictured at right). The 235-3 adds 0.975" (24.8 mm) to the stand height. Weight: 190 lbs (87 kg)	
231-H 31.5" - 45.5" (80 - 115.5 cm)	Model 231STK-H "hollow" with 235-3 adapter having 3½"-8 thread, a 235-17 dovetail adapter, and an 802 lateral slide. This combination adds 3.53" (89.7 mm) to the stand height. Weight: 200 lbs (91 kg)	
231-HC 29.5" - 43.5" (74.5-110.5 cm)	Model 231STK-H "hollow" with 273-4 coordinate lateral adjuster. This adapter adds 1.375" (34.9 mm) to the stand height. Weight: 204 lbs (93 kg)	
231-HR 32.5" - 46.5" (82.5-118.5 cm)	Model 231STK-H "hollow" with 235-3 hollow adapter and B46632 swivel head. This combination adds 4.475" (11.4 cm) to the stand height. Weight: 200 lbs (91 kg)	

May be used with...

- Virtually any instrument or adapter having an internal 3½"-8 thread.
- Have a look at the entire line of stand accessories and instrument adapters on this website