

Excel 2000[®] Integral Gun Stand



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

1. Description

See Figure 1.

The integral gun stand is built into new Excel 2000 series powder coating systems. It consists of a roller base (2) and vertical support (3) for automatic powder spray guns.

The roller base allows the spray guns to be moved in and out of the booth. The vertical support accommodates two 1-in. diameter vertical mounting bars for spray gun mounting. Once the position has been adjusted, the clamping knobs (1) lock the roller base in place.

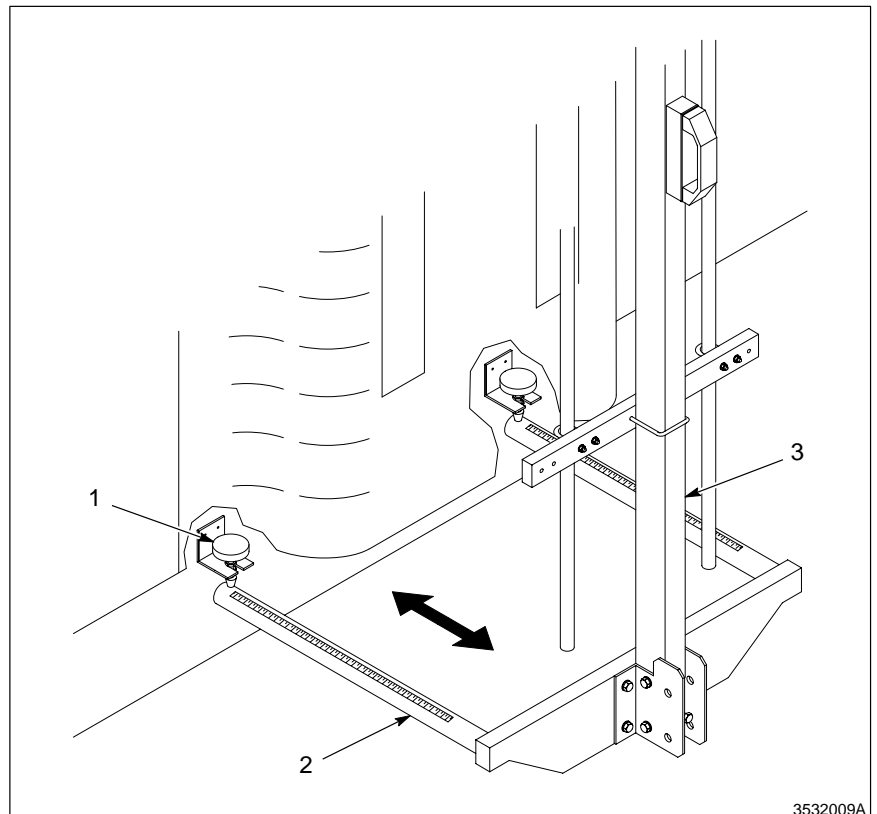


Fig. 1 Excel 2000 Integral Gun Stand

- 1. Clamping knobs
- 2. Roller base

- 3. Vertical support

2. Specifications

Refer to Table 1.

Table 1 Integral Gun Stand Specifications

Item	Specification
Dimensions	
Extended Length	959 mm (37.77 in.) from booth base
Height	3048 mm (120 in.) maximum
Width	787 mm (31 in.) at guide rod centers
Maximum Load	181 kg (400 lb)
Maximum Travel Distance	483 mm (19 in.)

3. Installing the Vertical Support on the Roller Base



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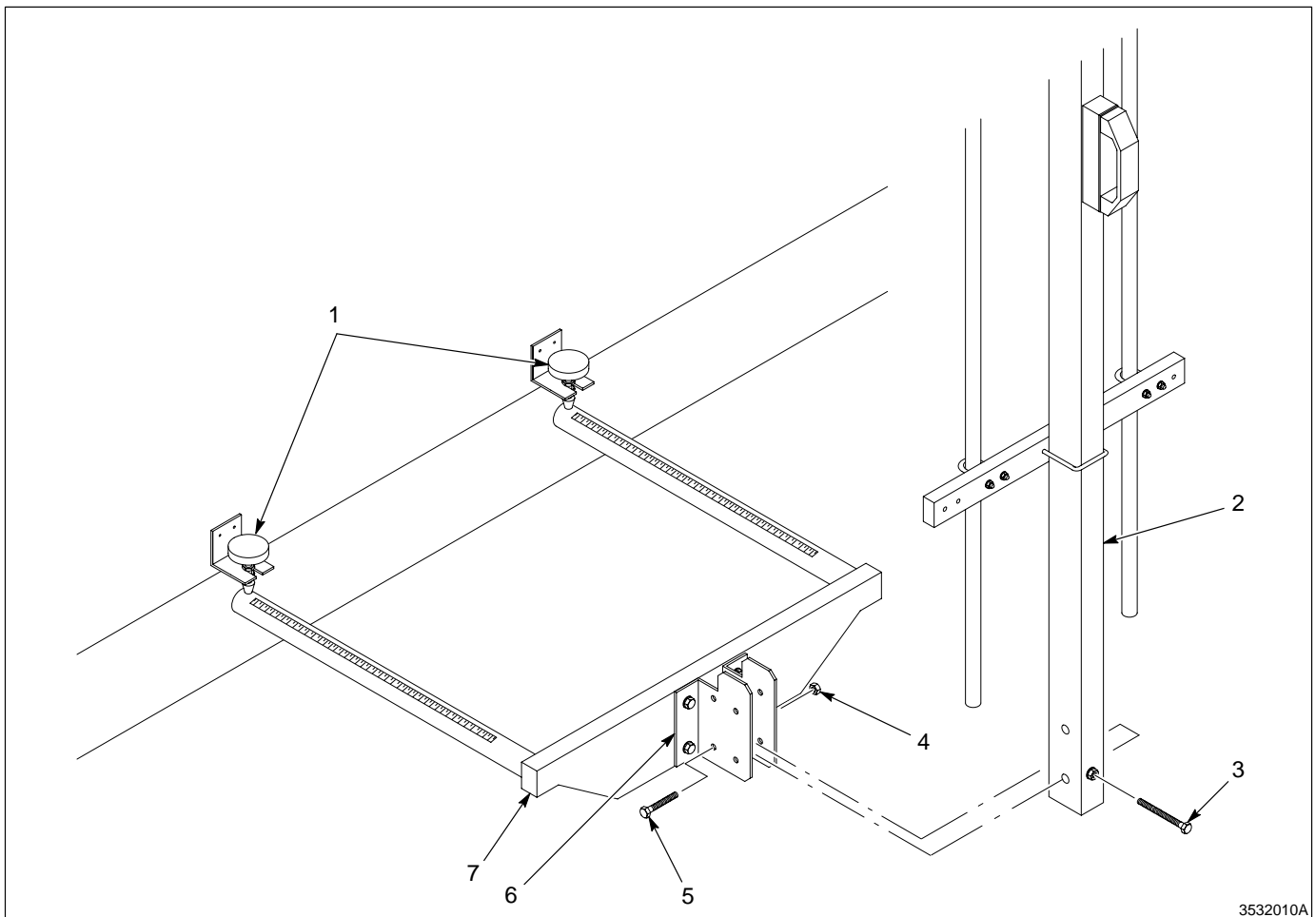
Booths are shipped with the roller base portion of the integral gun stand already installed in the booth base. Use this procedure to install the vertical support on the roller base.

See Figure 2.

1. Loosen the clamping knobs (1) and pull the roller base (7) away from the booth. Tighten the clamping knobs when the roller base is in its fully extended position.
2. Line up the holes in the vertical support (2) with the holes in the support brackets (6).

NOTE: There are two sets of holes in the support brackets. Secure the vertical support to the holes closest to the roller base.

3. Secure the vertical support to the support brackets with the two 3-in. long serrated hex head screws (5) and $\frac{1}{2}$ -13 serrated hex nuts (4).
4. Screw the 6-in. long hex head screw (3) through the weld nut on the vertical support.



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Fig. 2 Installing the Vertical Support on the Roller Base

- | | | |
|------------------------------|---------------------------------------|---------------------|
| 1. Clamping knobs | 4. $\frac{1}{2}$ -13 serrated hex nut | 6. Support brackets |
| 2. Vertical support | 5. 3-in. long serrated hex head screw | 7. Roller base |
| 3. 6-in. long hex head screw | | |

4. Positioning the Gun Stand



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



WARNING: Make sure that all personnel and equipment are away from the gun stand and its components before starting the powder coating system. Make sure that nothing will interfere with gun stand movement. Failure to observe this warning could result in personal injury or death.



WARNING: Do not make any adjustments to the gun stand or its components while the system is operating. Failure to observe this warning could result in equipment damage, personal injury, or death.

Use the following procedure to move the guns mounted to the integral gun stand in or out of the booth.

See Figure 2.

1. Unlock the roller base (7) by turning both clamping knobs (1) counterclockwise.
2. Position the gun stand in the desired location.

NOTE: Note the value on the marker tape that is lined up with the clamping knobs. This value will help you reposition the guns the next time that they must be moved to the spray position.

3. Lock the roller base in place by turning both clamping knobs clockwise.

5. Maintenance



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



CAUTION: Accumulation of dust, dirt or overspray may cause excessive wear and premature component failure.

Check the tubes and casters of the roller base periodically for cleanliness. Clean and replace parts as necessary.

6. Parts

Use the following list to order replacement parts for the integral gun stand.

See Figure 3.

NOTE: Numbers in the Quantity column reference the number of parts used for a single integral gun stand. Your system may have more than one integral stand.

Item	Part	Description	Quantity	Note
1	1009495	Wheel, skate, steel	12	
2	1001948	Bracket, stop, gun stand	2	
3	1011156	Knob, clamping, with push-on cap	2	
4	154118	Handle, color module	1	
5	333524	Plate, support, gun bar	2	
6	333519	Stand, gun, roller, assembly	1	
7	-----	• Nut, hex, serrated, $\frac{1}{2}$ -13 UNC-2B, zinc plated	2	
8	-----	• Screw, hex head, cap, $\frac{3}{8}$ -16 UNC-2A x 8-in. long, zinc plated	1	
9	-----	• Screw, hex head, serrated, $\frac{1}{2}$ -13 UNC-2A x 3-in. long, zinc plated	2	
10	333528	• Marker, tape, measuring	2	
11	-----	• Bracket, roller, gun stand	1	

6. *Parts (contd)*

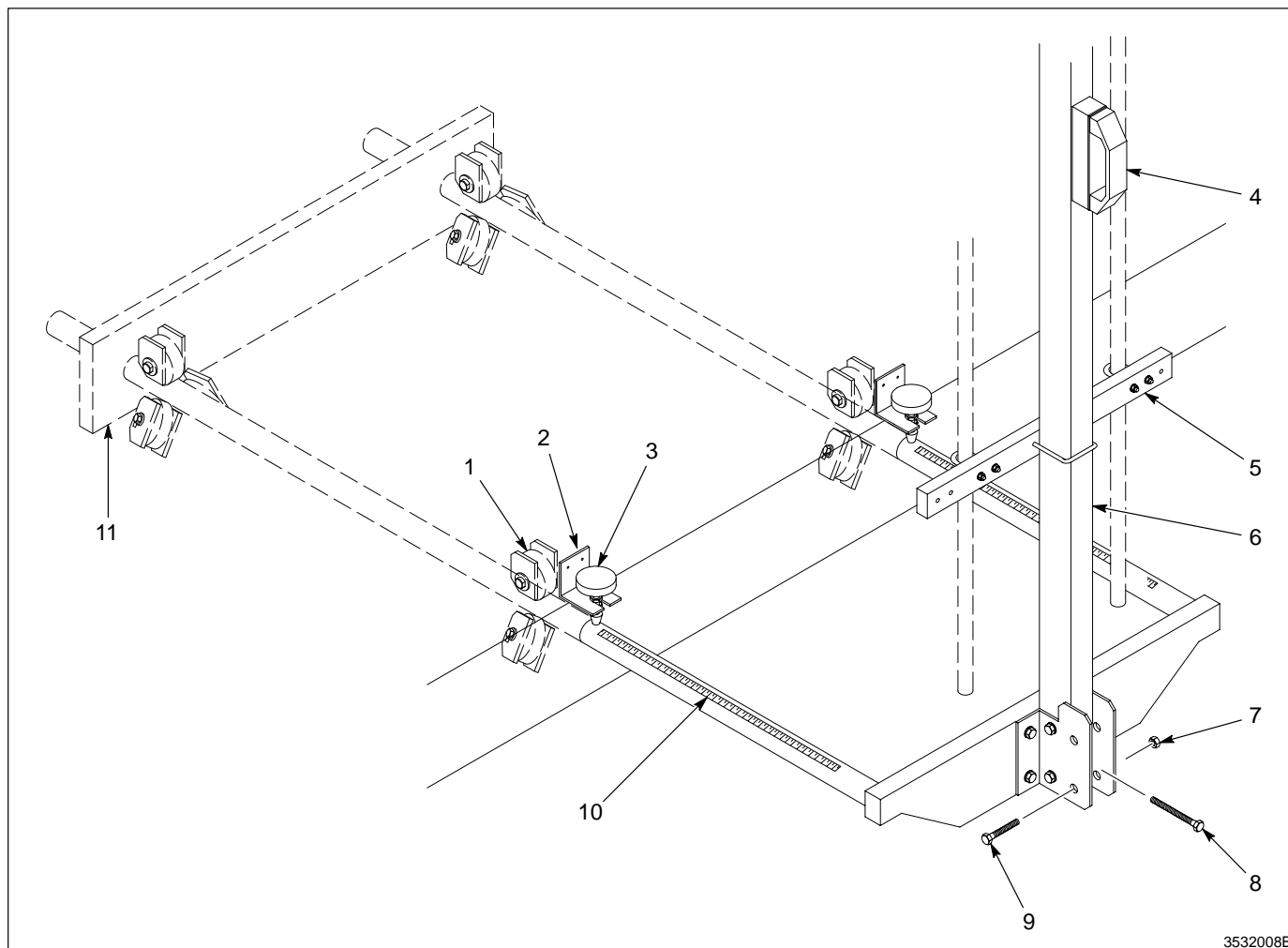


Fig. 3 Excel 2000 Integral Gun Stand Parts

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