



Feiter's Instant Supply Medical Equipment, DBA  
**Land and Wheels**  
**Instant Supply Wheelchair Co.**  
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**GUIDE FOR MEASURING 6" TO 10" WHEELS AND TIRES**

1. Measure extreme diameter across the tire for tires or wheels complete.
2. Measure the tire as shown for tire width.
3. Measure the wheel as shown for fork spread..
4. Do not measure the rim diameter.

Tire tools are available for the installation of 8" solid tires.  
 (See INSTALLATION TOOLS FOR TIRES)

**GUIDE FOR MEASURING HUB DEPTH FOR ALL WHEELS**

1. Measure the fastening length needed, not necessarily maximum depth.
2. Measure like figure A for standard wheels.
3. Measure like figure B for wheels with recessed hub..
4. Figure C shows incorrect measure of recessed hub.

**GUIDE FOR MEASURING BIG WHEELS AND ALL TIRES**

1. Measure extreme width across the tire.
2. Measure outer size to the outermost part of the tire ( not the rim).
3. A tire with wire CANNOT be installed without a tiring machine ( Fig M). If you do not have a tiring machine, a tire without wire can usually be substituted.
4. Using two of clamp "H", one of fig "N", and one of fig "L" snap-on tires can be installed with little difficulty. (See INSTALLATION TOOLS FOR TIRES)

**MEASURING BACK OF WHEELCHAIR**

WT \_\_\_" WIDTH across back on top.....  
 WB \_\_\_" WIDTH across back on bottom..  
 H \_\_\_" HEIGHT of back, maximum.....  
 - TOTAL number of screw holes  
 S1 \_\_\_" CENTER of 1st screw to 2nd.....  
 S2 \_\_\_" CENTER of 2nd screw to 3rd.....  
 S3 \_\_\_" CENTER of 3rd screw to 4th.....

**MEASURING SEAT OF WHEELCHAIR**

W \_\_\_" WIDTH of seat (front & rear)  
 D \_\_\_" DEPTH from front to rear  
 - TOTAL number of screw holes  
 S1 \_\_\_" CENTER of 1st screw to 2nd  
 S2 \_\_\_" CENTER of 2nd screw to 3rd  
 S3 \_\_\_" CENTER of 3rd screw to 4th

**MEASURING GUIDE**

A = Fastening width  
 B = Bowl front to mounting holes  
 C = Bowl width

If you are unable to determine which seat you need, please measure as shown below. This will help you match up the proper seat.

- A = Fastening width
- B = Bowl front to mounting holes
- C = Bowl width

After you have your measurements, find corresponding seat and item#.

**ORDERING WHEELCHAIRS:** Shown at right is a guide to help you determine the size of wheelchair needed.

This chart should only be used as a helpful guide. Such charts are not 100% accurate.

WEIGHT-HEIGHT	HEMI		STANDARD								TALL		
	5' 0"	5' 2"	5' 4"	5' 6"	5' 8"	5' 10"	6' 0"	6' 2"	6' 4"	6' 2"	6' 4"	6' 6"	
101 - 150 lbs	20"	18"	18"	18"	16"	16"	16"	16"	16"	16"	16"	-	
151 - 200 lbs	22"	20"	20"	18"	18"	18"	18"	18"	18"	16"	16"	16"	
201 - 250 lbs	24"	22"	22"	20"	20"	20"	20"	20"	18"	18"	18"	18"	
251 - 300 lbs	24"	24"	24"	22"	22"	22"	22"	22"	20"	20"	20"	20"	
300 - 350 lbs	-	-	26"	24"	24"	24"	24"	24"	22"	22"	22"	22"	
350 - 400 lbs	-	-	28"	28"	26"	26"	26"	26"	24"	24"	24"	24"	
400 + lbs	-	-	30"	30"	30"	30"	28"	28"	28"	28"	28"	26"	

To establish the proper ramp length for you:

Determine the incline your chair is designed to climb.

Measure the distance from the top step or landing to the ground (RISE)

Refer to the chart to find the proper ramp length.

RISE	3"	4"	5"	6"	7"	8"	9"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"
2'	7.2°	9.6°	12°	14.5°	17°															
3'	4.8°	6.4°	8.0°	9.6°	11.2°	12.8°	14.5°	16.1°												
4'	8.6°	4.8°	6.0°	7.2°	8.4°	9.6°	10.8°	12.0°	14.5°	17°										
5'	2.9°	3.8°	4.8°	5.7°	6.7°	7.7°	8.6°	9.6°	11.5°	13.5°	15.5°									
6'	2.4°	3.2°	4.0°	4.8°	5.6°	6.4°	7.2°	8.0°	9.6°	11.2°	12.8°	14.5°	16.1°							
7'	2.0°	2.7°	3.7°	4.1°	4.8°	5.5°	6.2°	6.8°	8.2°	9.6°	11.0°	12.4°	13.8°	15.2°	16.6°					
8'	1.8°	2.4°	3.0°	3.6°	4.2°	4.8°	5.4°	6.0°	7.2°	8.4°	9.6°	10.8°	12.0°	13.2°	14.5°	15.7°	17.0°			
10'	1.4°	1.9°	2.4°	2.9°	3.3°	3.8°	4.3°	4.8°	5.7°	6.7°	7.7°	8.6°	9.6°	10.6°	11.5°	12.5°	13.5°	14.5°	15.5°	16.5°