

Closet Rod Deflection Chart

This form provides detailed tables of Closet Rod deflections, designed to help assess the structural integrity and performance of Closet Rods under varying loads.

The data outlines how different rod lengths respond to weight, ensuring accurate installation and optimal performance in closet systems. By referencing these tables, you can determine the appropriate rod selection for your specific project, ensuring stability, durability, and minimizing bending or sagging over time.

Light	1 Pound per Inch
Shirts, Dresses, and Pants with reasonable spacing between hangers	
Medium	2 Pounds per Inch
Mens and Womens Business Suits with reasonable spacing between hangers	
Heavy	3 Pounds per Inch
Heavy Winter Wear with reasonable spacing between hangers	

Deflection at the center of a Closet Rod under varying loads:

1" Diameter Brass Tubing Without Sleeving			
Weight Categories			
Length	Light	Medium	Heavy
24"	0"	1/16"	1/16"
36"	1/16"	3/16"	1/4"
48"	5/16"	9/16"	13/16"
60"	11/16"	N/A*	N/A*
72"	N/A*	N/A*	N/A*
84"	N/A*	N/A*	N/A*
90"	N/A*	N/A*	N/A*

1" Diameter Brass Tubing With Sleeving			
Weight Categories			
Length	Light	Medium	Heavy
24"	0"	0"	0"
36"	1/16"	1/16"	1/8"
48"	1/8"	1/4"	5/16"
60"	5/16"	9/16"	13/16"
72"	9/16"	N/A*	N/A*
84"	N/A*	N/A*	N/A*
90"	N/A*	N/A*	N/A*

*Not available within specified length and weight category

Closet Rod Deflection Chart

1 1/4" Diameter Brass Tubing Without Sleeving			
Weight Categories			
Length	Light	Medium	Heavy
24"	0"	0"	0"
36"	1/16"	1/16"	1/8"
48"	1/8"	1/4"	7/16"
60"	3/8"	11/16"	1"
72"	3/4"	N/A*	N/A*
84"	N/A*	N/A*	N/A*
90"	N/A*	N/A*	N/A*

1 1/4" Diameter Brass Tubing With Sleeving			
Weight Categories			
Length	Light	Medium	Heavy
24"	0"	0"	0"
36"	0"	1/16"	1/16"
48"	1/16"	1/8"	1/8"
60"	1/8"	1/4"	3/8"
72"	1/4"	1/2"	3/4"
84"	1/2"	1"	N/A*
90"	11/16"	N/A*	N/A*

1 1/2" Diameter Brass Tubing Without Sleeving			
Weight Categories			
Length	Light	Medium	Heavy
24"	0"	0"	0"
36"	0"	1/16"	1/16"
48"	1/16"	3/16"	1/4"
60"	3/16"	3/8"	9/16"
72"	7/16"	13/16"	N/A*
84"	3/4"	N/A*	N/A*
90"	1"	N/A*	N/A*

1 1/2" Diameter Brass Tubing With Sleeving			
Weight Categories			
Length	Light	Medium	Heavy
24"	0"	0"	0"
36"	0"	0"	0"
48"	0"	1/16"	1/16"
60"	1/16"	1/8"	3/16"
72"	1/8"	5/16"	7/16"
84"	5/16"	9/16"	3/4"
90"	3/8"	11/16"	1"

*Not available within specified length and weight category