

PIPE HANGER SPECIFICATIONS

All piping systems shall be supported by hangers satisfactory to the design engineer and shall be fabricated in accordance with section 6 of the ASA Code for Pressure Piping.

*The strength of the supporting material shall be based on the weight of the pipe, the weight of the medium transported or the medium used for testing, whichever is heavier, and the weight of the insulating cover, if used.

*All anchors or braces shall be designed to secure the desired points of piping in relatively fixed positions, and shall permit the line to take up its expansion and contraction freely in opposite directions away from the anchor point, and shall be structurally suitable for the loading conditions.

*Hangers shall be so spread as to insure proper drainage and to prevent excessive bending stresses from concentrated loads between the supports.

1" Pipe.....	7 Feet
1-1/4" to 2" Pipe.....	10 Feet
2-1/2" to 3-1/2" Pipe.....	11 Feet
4" to 6" Pipe.....	14 Feet
8" to 14" Pipe.....	20 Feet
16" to 24" Pipe.....	27 Feet

*Piping systems requiring exact grades shall be supported by rigid hangers.

*All hangers shall permit adequate adjustments after erection while still supporting the load, for all pipe sizes 2" and above.

*Screw adjustments shall be fabricated so that all threaded members shall have a true and complete depth of thread. Turn buckles with adjusting nuts shall make use of their complete thread and the amount of the adjustment shall be visible.

*Hangers shall be fastened by means of threaded rods to adjustable steel inserts placed in concrete construction; by means of steel I-Beam clamps fastened to overhead steel beams; and by use of rods with coach screw thread to wooden construction.

* Minimum hanger rod diameters determined by pipe size for fire protection:

3/4" to 2" inclusive.....	3/8"
2-1/2" to 3-1/2" inclusive.....	1/2"
4" and 5".....	5/8"
6".....	3/4"
8" to 12" inclusive.....	7/8"

LOAD CARRYING CAPACITIES OF HOT - ROLLED STEEL ROD, ASTM SPEC. A-107

NOMINAL ROD DIAMETER	ROOT AREA THREAD; INCHES	MAX. SAFE LOADS, POUNDS: ROD TEMP.	
		450*F	750*F
3/8"	0.068	610	510
1/2"	0.126	1130	940
5/8"	0.202	1810	1510
3/4"	0.302	2710	2260
7/8"	0.419	3770	3150
1"	0.552	4960	4150
1-1/4"	0.889	8000	6660
1-1/2"	1.293	11630	9700