

## Common Terminations\*



WIRE ROPE SOCKET - POURED SPECTER OR RESIN



WIRE ROPE SOCKET - SWAGED



MECHANICAL SPLICE - LOOP OR THIMBLE



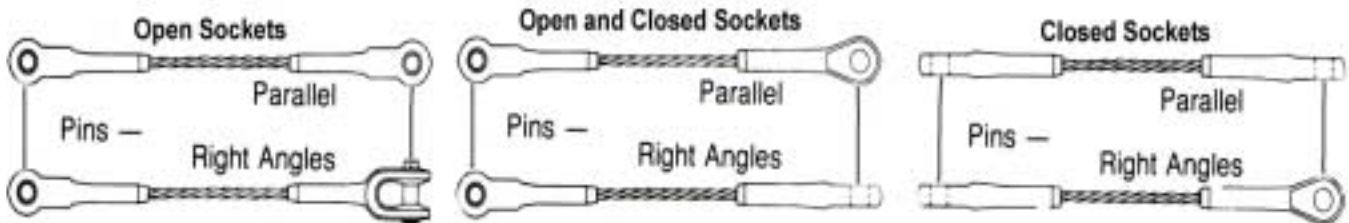
WEDGE SOCKET



CLIPS - NUMBER OF CLIPS VARIES WITH ROPE SIZE AND CONSTRUCTION

\* Reprinted from the Wire Rope Users Manual.

## Pendant Socket Arrangements



**Note:** A proper relationship between the socket ends of a pendant is critical to avoid a half-twist in the assembly during installation. Various terms are used to describe this relationship:

Top Row: Pins Parallel or Pins in the Same Plane

Bottom Row: Pins Opposed or Pins in Opposite Planes or Pins at Right Angles

# Terminal Efficiencies\*

## Terminal Efficiencies (Approximate)\*

Type of Termination	Efficiency	
	Rope with IWRC*	Rope with FC**
<b>Wire Rope Socket</b> (Spelter or Resin)	100%	100%
<b>Swaged Socket</b> (Regular Lay Ropes only)	100%	(Not recommended)
<b>Mechanical Spliced Sleeve</b> (Flemish Eye)		
1" diameter and smaller	95%	92-1/2%
Greater than 1" diameter through 2"	92-1/2%	90%
Greater than 2" diameter through 3-1/2"	90%	(Not established)
<b>Hand Spliced (Loop or Thimble)</b> (Tucked w/ Carbon Steel Rope)		
1/4"	90%	90%
5/16"	89%	89%
3/8"	88%	88%
7/16"	87%	87%
1/2"	86%	86%
5/8"	84%	84%
3/4"	82%	82%
7/8" thru 2-1/2"	80%	80%
<b>Hand Spliced (Loop or Thimble)</b> (Tucked w/ Stainless Steel Rope)		
1/4"	80%	
5/16"	79%	
3/8"	78%	
7/16"	77%	
1/2"	76%	
5/8"	74%	
3/4"	72%	
7/8"	70%	
<b>Wedge Sockets***</b> (Depending on Design)	75% to 80%	75% to 80%
<b>Clips***</b> (Number of clips varies with size of rope)	80%	80%
* IWRC= Independent Wire Rope Core ** FC= Fiber Core *** Typical values when applied properly. Refer to fittings manufacturers for exact values and method. * Reprinted from the Wire Rope Users Manual		

**NOTE: Efficiencies are applicable to nominal wire rope strengths**