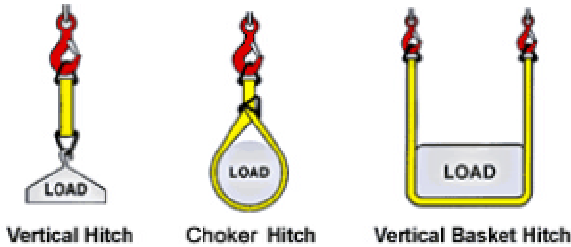


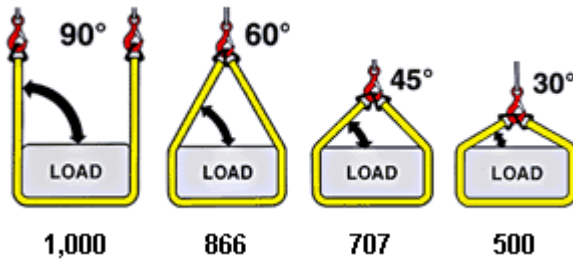
When selecting a sling to carry a given load, it is important to consider the angle at which the sling is to be used. As an example, one sling in a basket hitch or two slings attached to one crane hook are different applications involving different sling angles. The degree of the angle will determine how much the capacity will be reduced. To determine if a particular sling will have the capacity required, take the angle between the sling and the horizontal, then multiply the sling's rating by the factor provided in the accompanying table.

The capacity of a sling will be reduced as the angle from the horizontal is reduced. In the example below, you will see how the 1,000 pound capacity of a sling used in a vertical basket hitch is reduced:

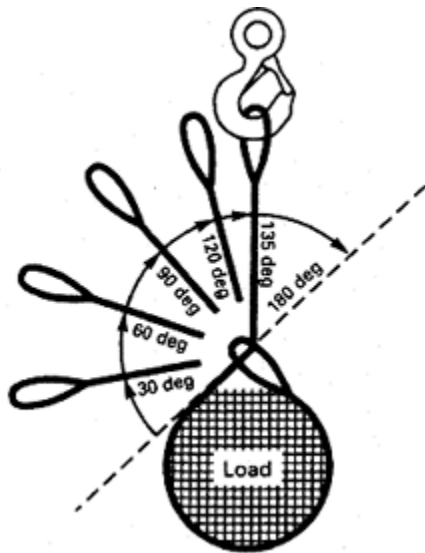
**3 Basic Hitches**



**Sling Capacity Decreases as the Angle Increases**



Angles in Degree	Factor
90	1.000
85	0.996
80	0.985
75	0.966
70	0.940
65	0.906
60	0.866
55	0.819
50	0.766
45	0.707
40	0.643
35	0.574
30	0.500



Rated loads for angles of choke less than 120 degrees shall be determined by using the values in **FIGURE 7**, the sling manufacturer, or a qualified person.

Angle of Choke, deg	Rated Capacity, % [Note (1)]
Over 120	100
90-120	87
60-89	74
30-59	62
0-29	49

NOTE:  
(1) Percent of sling rated capacity in a choker hitch.

**Fig. 7 Angle of Choke**