

Model 34 Configuration, Pendant 160 ft, Max Runout 245 m (803 ft), Span 175 ft,  
Tape length 718 ft, Last Wrap 2.135 ft, Split 50 ft, Tape Thickness .25 in, Tape Breaking Strength 54285,  
Rotor 33.5 in, Hub 12 in, Flange 58 in, .0462 K factor, 1500 Tape Pretension

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AGP-01071  
Revision 2

Aircraft Weight	80 kts	90 kts	100 kts	110 kts	120 kts	130 kts	140 kts	150 kts	160 kts	170 kts	180 kts	190 kts
44,000 lbs	22513 749 (800)	27968 744 (795)	33169 762 (813)	Out Of Tolerance (OOT) Condition								
39,000 lbs	19138 732 (783)	23949 743 (794)	29643 742 (793)									
35,000 lbs	17261 733 (784)	21778 733 (784)	26608 725 (776)	31659 736 (787)	36833 721 (772)	42026 738 (789)	47473 750 (801)	54521 758 (809)	61967 715 (766)			
29,000 lbs	Data Key: Hookload/Arrestment Load (lbf) Runout (ft) (Front of Aircraft)											
25,000 lbs	Hookload Values < 60,000 lbs Runout < 720 (770)											
20,000 lbs	Hookload Values < 60,000 lbs Runout < 720 (770)											
<b>Aircraft Velocity</b>												

Hookloads represent hydraulic region maximums and do not account for dynamics.

Data Key:	
Hookload (lbf)	Description / Comment
XXX	Hookload is less than 60,000 lbf Hookload is greater than 60,000 lbf but does not exceed the red criteri
Out Of Tolerance (OOT) Condition	Arrestments in red exceed one of the following conditions: -Hookload exceeds 120K lbf -Equal to or Greater Than 60% of the tape min breaking strength. -G load @ Bottom over 1.0 G -Runout exceeds max runout
High Bottoming G load	Arrestments in the orange region are over 0.5 g bottoming load and not recommend by ESCO