

Model 134 Configuration, Pendant 160 ft, Max Runout 307m (1007 ft), Span 175 ft, Tape length 810 ft, Last Wrap 2.270 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		Author: Andrew.Tully Date: September 10th, 2025 AGP-01071 Revision 2										
		Aircraft Weight										
44,000 lbs	19627	25087	30810	36502	Out Of Tolerance (OOT) Condition						63633	
	826 (877)	846 (897)	838 (889)	859 (900)							56706	876 (927)
39,000 lbs	17112	21389	25685	30963	36938	43271	49888	849 (900)	865 (916)	48924	54301	
	826 (877)	826 (877)	837 (888)	836 (887)	848 (899)	38168	43520	841 (892)	853 (904)			
35,000 lbs	15017	18751	23174	27926	32946	806 (857)	826 (877)	841 (892)	853 (904)			
	823 (874)	820 (871)	821 (872)	816 (867)	829 (880)	31620	36583	41821	47319			
29,000 lbs	Data Key: Hookload/Arrestment Load (lbf) Runout (ft) (Front of Aircraft) Hookload Values < 60,000 lbs. Runout < 805 (855)											
25,000 lbs	Data Key: Hookload/Arrestment Load (lbf) Runout (ft) (Front of Aircraft)											
20,000 lbs	Hookload Values < 60,000 lbs. Runout < 805 (855)											
80 kts	90 kts	100 kts	110 kts	120 kts	130 kts	140 kts	150 kts	160 kts	170 kts	180 kts	190 kts	
<b>Aircraft Velocity</b>												

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

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 criteria
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
High Bottoming G load	Arrestments in the orange region are over 0.5 g bottoming load and not recommend by ESCO