

Arresting Gear Performance Data 8-Rotor, 100 ft. Span, 1,200 ft. Runout.

-BAK-12, 8 Rotor -1240 ft Tape -1500psi Sync at 780 RPM -52B9146-8 Cam Sft Sprkt Author: AT
 -150 ft Pendant -65.25 in Stack Height -15 Deg Cam Advance -52B9146-3 Cam Sprkt Date: July 23rd, 2025
 -1200 ft Runout -40 ft Split -152A1422 Cam AGP-01036
 -212 ft Span -.225 in Tape Thickness -9C00346-1 Pump Sprkt Revision 2

Aircraft Weight	Out Of Tolerance (OOT) Condition														
	70218	87808	109001												
85,000 lbs.	1190	1204	1219												
75,000 lbs.	63960	78257	96651	117386											
68,000 lbs.	1181	1193	1207	1222											
58,000 lbs.	65102	77186	90633	108388											
58,000 lbs.	1175	1187	1200	1213											
47,000 lbs.	60694	70266	80748	91714	102962										
39,000 lbs.	1158	1167	1179	1190	1201										
35,000 lbs.	Hookload Values < 60,000 lbs. Runout Values < 1101 ft.										62492	69554	77026		
29,000 lbs.											1144	1150	1157		
25,000 lbs.											60639	65951			
20,000 lbs.											1128	1132			
											62543	1119			

Aircraft Velocity											
80 kts	90 kts	100 kts	110 kts	120 kts	130 kts	140 kts	150 kts	160 kts	170 kts	180 kts	190 kts

Data Key
 Hookload (lbs.)
 Runout (ft)

Hookloads represent hydraulic region maximums and do not account for dynamics.
 F-35A Design Limit Tailhook Load (95,200 lbs)
 F-35A Ultimate Limit Tailhook Load (142,800 lbs)