

Engagement Envelope, 8-Rotor, Active Mode, 150 ft. Span

SmartArrest 8 Rotor V2, Active Mode 150 ft. Span, 1200 ft. Runout, 0.3" T.E.D.												
85,000 lbs.	42376	53450	64873	78511	Runout > 1300 feet							
	1215	1235	1255	1263								
75,000 lbs.	42710	53335	63315	74432	85549	Runout > 1300 feet						
	1204	1224	1243	1266	1295							
69,000 lbs.	54474	64022	75795	89384	Runout > 1300 feet							
	1219	1235	1252	1280								
58,000 lbs.	56175	66687	79014	92604	Runout > 1300 feet							
	1212	1233	1259	1281								
47,000 lbs.	64621	74678	Runout > 1300 feet									
	1208	1226										
39,000 lbs.	Hookload < 60,000 lbs. & Runout < 1200 feet											
35,000 lbs.												
29,000 lbs.												
25,000 lbs.												
19,000 lbs.												
	80 kts	90 kts	100 kts	110 kts	120 kts	130 kts	140 kts	150 kts	160 kts	170 kts	180 kts	190 kts

Hookload (lbs.)
Runout (ft)

F-35A Tailhook Limits (Ref Only)	
	Max Hookload > Design Limit Tailhook Load (95,200 lbf)
	Max Hookload > Ultimate Tailhook Load (142,800 lbf)

Engagement Envelope, 8-Rotor, Fixed Orifice Mode, 150 ft. Span

SmartArrest 8 Rotor V2, Fixed Orifice Mode (4.0V Mech Null) 150 ft. Span, 1200 ft. Runout, 0.3" T.E.D.												
85,000 lbs.	26205	Runout > 1300 feet										
	1292											
75,000 lbs.	21830	28528	Runout > 1300 feet									
	1266	1285										
69,000 lbs.	19199	24841	32355	Runout > 1300 feet								
	1249	1265	1286									
58,000 lbs.	15698	20279	25722	31969	38612	Runout > 1300 feet						
	1228	1244	1250	1268	1283							
47,000 lbs.	19858	24387	28797	33741	39361	45153	Runout > 1300 feet					
	1217	1231	1230	1244	1263	1281						
39,000 lbs.	26020	29207	32929	37036	41912	48437	55148	Runout > 1300 feet				
	1211	1216	1221	1239	1260	1281						
35,000 lbs.	29493	32806	36994	41866	48377	55074	62847	Runout > 1300 feet				
	1203	1206	1208	1203	1222	1242	1262					
29,000 lbs.	Hookload < 60,000 lbs. & Runout < 1200 feet											
25,000 lbs.												
19,000 lbs.												
	80 kts	90 kts	100 kts	110 kts	120 kts	130 kts	140 kts	150 kts	160 kts	170 kts	180 kts	190 kts

Hookload (lbs.)
Runout (ft)

F-35A Tailhook Limits (Ref Only)	
	Max Hookload > Design Limit Tailhook Load (95,200 lbf)
	Max Hookload > Ultimate Tailhook Load (142,800 lbf)