## **GEN 2.8 ARRESTING SYSTEM AT DANISH AIR BASES**

## 1. Types

Only hook arresting gear systems are used in Denmark. Three types of hook arresting gear systems are installed on Danish air bases/aerodromes:

•	BAK-12 SmartArrest/14 CABLE :	Hookwire only. Approach end arrestment on request.
•	34D-1F CABLE :	Hookwire only. Approach end arrestment on request.
•	34D-1F CABLE (Mod.) :	Hookwire only. Departure end engagement only.

## 2. System Description

2.1 BAK-12 SmartArrest/14 CABLE

Туре:	BAK-12 SmartArrest/14 CABLE is a remote controlled arresting system.		
	The cable is lowered into a slot in the runway surface and may be raised		
	by input from TWR. It is bi-directional - also for arrested landings.		
Used on:	EKYT Aalborg, EKKA Karup and EKSP Skrydstrup.		
Reaction time:	Approx. 5 seconds from up to down or vise versa + personnel reaction		
	time.		
Standard setting:	When jet fighters operate:		
	UP (positioned for engagement) in the departure end. DOWN in the		
Looofien .	approach end. Approach end arrestment on request.		
Location :	Installed on primary runways approx. 1200 – 2000 ft from end of RVVY.		
	See AD 2 Section (of RDAF/GENOR FLIP), Aerodrome Ghan for exact		
Max canacity ·	60,000 lbs aircraft weight with 190 kts (Higher weight = lower		
Max. Supusity .	engagement speed). See hookload diagram on page GEN 2.8-3		
Max. run out :	1200 ft (366 m).		
<u>2.2 34D-1F CABLE</u>			
туре:	34D-1F Water Twister (Cable). The cable is held above the runway by		
	spaced rubber discs. Rigging and dengging is done manually. The		
Llood on:	System is bi-directional - also for an ested failungs.		
	aerodrome)		
Reaction time:	From 15 MIN to 1 HR PN depending on aerodrome. See AD 2 section		
	(for EKRN Roenne RDAF/CENOR FLIP). Aerodrome Chart for details.		
Standard setting:	When jet fighters operate: RIGGED (positioned for engagement) in the		
0	departure end. DERIGGED in the approach end. Approach end		
	arrestment on request.		
Location:	Installed on secondary runways (and EKRN Roenne departure end RWY		
	11) approx. 1000 – 2000 ft from end of RWY. See AD 2 section (for		
	EKRN Roenne RDAF/CENOR FLIP), Aerodrome Chart for exact location.		
Max. capacity:	44.000 lbs. aircraft weight with 122 kts.		
	35.200 lbs. aircraft weight with 185 kts.		
	See hookload diagram on page GEN 2.8-4		
Max. run out :	886 ft (270 m).		
2.3 34D-1F (Mod.) CA	\BLE		
Type:	34D-1F Water Twister (Cable). The system is the same as 34D-1F but		
	with a shorter run out and lower capacity.		
Used on :	EKSP Skrydstrup (as backup cables on the primary RWY) EKRN Roenne		
	(departure end of RWY 29)		
Reaction time:	EKSP Skrydstrup: None (always rigged) EKRN Roenne: 1 HR PN		

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Standard setting:	EKSP Skrydstrup: Always rigged (in the overrun). Usable in departure direction only. <i>Caution note: Landing short of runway threshold with hook down may</i>
	cause substantial damage to the aircraft. Use the primary BAK-12 SmartArrest/14 CABLE for approach end arrestment.
EKRN Roenne:	When jet fighters operate: RIGGED (positioned for engagement) in the departure end. DERIGGED in the approach end. Approach end arrestment on request.
Location:	See AD 2 section (for EKRN Roenne RDAF/ CENOR FLIP), Aerodrome Chart for exact location.
Max. capacity:	44.000 lbs. aircraft weight with 89 kts. 35.300 lbs. aircraft weight with 142 kts See hookload diagram on page GEN 2.8-5
Max. run out:	590 ft (180 m).

## 3. Overview of Installed Systems

Air Base / Airport	Rwy	Primary system	Backup system
EKYT Aalborg	08L/26R	BAK-12 SmartArrest/14 CABLE	
	08R/26L	34D-1F CABLE	
EKKA Karup	09R/27L	BAK-12 SmartArrest/14 CABLE	
	09L/27R	34D-1F CABLE	
EKSP Skrydstrup	10L/28R	BAK-12 SmartArrest/14 CABLE	34D-1F CABLE (Mod.)
	10R/28L	34D-1F CABLE	
EKRN Roenne *)	11	34D-1F CABLE	
	29	34D-1F CABLE (Mod.)	

\*) Civil airport