

# Aerospace / Military Slip Ring Program Matrix

SIG CKTS = Signal Circuits (Rings)  
PWR CKTS = Power Circuits (Rings)

Program	Description	Key Features
Bradley Fighting Vehicle	Commander's Independent Viewer AZ Slip Ring	Resolver, 259 SIG CKTS
	A3 Turret Slip Ring	Air Channel, 86 SIG CKTS & 4 PWR CKTS
	AZ Turret Slip Ring	Air Channel, Encoder, 42 SIG CKTS & 2 PWR CKTS
Advanced Targeting Pod	Pitch Axis Slip Ring	45 CKT With In-board Connectors
	Roll Axis Slip Ring	20 PWR CKTS, 3 Twinax High Speed Data Circuits (250 Mbps), 46 SIG CKTS
AH-64A / D Apache Longbow Attack Helicopter	Slip Ring RF Rotary Joint Assembly	6 PWR CKTS: 115 VAC, 4 A; 73 SIG CKTS: 100 V 1 A; Resolver, 4 Channel RF Rotary Coupler
AH64 Apache	Tail Rotor De-ice	2 PWR CKTS 20 A
Avenger Air Defense System	Turret Slip Ring Capsule	Air Channel, Encoder Mount, 2 PWR CKTS 150 A, 28 VDC 61 SIG CKTS 3 A, 28 VDC
Blackhawk and Seahawk	Blackhawk Main Rotor	3 Low PWR CKTS, 5 A, 28 VDC 3 Ø PWR CKTS, 60 A, 200 VAC
	UH60 Tail Rotor	3 Ø PWR CKTS, 20 A, 200 VAC
	Seahawk Main Rotor	3 Ø PWR CKTS, 60 A, 200 VAC; 28 VDC, 5 A
	Blackhawk Tail Rotor	3 Ø PWR CKTS, 20 A, 200 VAC, Separate Cables
F-14 / 15 / 16 LANTIRN	Main De-roll Slip Ring	Dual Axis Rotating (Spin-Despin) Hydraulic Channel 50 PWR CKTS, 130 SIG CKTS, 2 High Voltage (150 V)
Sentinel Radar	Pedestal Slip Ring Capsule	6 PWR CKTS - 3 Ø, 208 VAC, 10 A 73 SIG CKTS
V-22 Osprey	Main Prop Rotor Slip Ring De-ice and Flight Controls	14 PWR CKTS 115 VAC, 1-75 A; 49 SIG CKTS; Resolver; Redundant Bearings; Bearing Failure Sensor
Stryker IAV Mobile Gun System	Turret Slip Ring Assembly	Hydraulics, Breathing Air, Resolver, R/D COH Version, Two High PWR CKTS, 450 A 2 Low PWR CKTS - 75 A, , 135 SIG CKTS Including 100 Mbps - Ethernet RS170 Video
Expeditionary Fighting Vehicle	Turret Slip Ring Assembly	2, 250 A; 8, 120 A; 6, 15 A; 111, Signal; Clean Air Channel FDDI, CAN BUS and RS170 Channels
F35 Joint Strike Fighter	EOTS Roll Slip Ring	4 PWR CKTS - 220 VAC, 2 A; 32 - SIG CKTS and GRNS
S92 Helicopter	Main Rotor De-ice Slip Ring	3 Ø PWR CKTS 60 A, 200 VAC 10 SIG CKTS, Redundant BRGS
	Tail Rotor De-ice Slip Ring	3 Ø PWR CKTS with Ground 20 A, 200 VAC
AWACS	Main Power and Signal Transfer Slip Ring / RF Rotary Joint	16 PWR CKTS - 60 A, 208 VAC; SIG 110 CKTS - 5 A, 200 VAC
	Main Power and Signal Transfer Slip Ring / RF Rotary Joint	16 PWR CKTS - 60 A, 208 VAC; SIG 110 CKTS - 5 A, 200 VAC
AIM-9X Missile	Seeker De-roll Slip Ring / BB Separates	PWR: 2 PWR CKTS - 28 V, 2 A; SIG: 8 SIG CKTS - 28 V, 1 A