



MACHINERY AND PYROTECHNICAL PRODUCTS SINCE 1946



STIS
SHOCK TUBE
INTEGRATED SYSTEM (REEL)



STIS is a non-electric system, designed to initiate different types of explosive charges.

STIS with a 3 mm shock tube is the optimal solution when mechanical strength is needed.

Length	Shock tube	Product code
50 m	2,4 mm	50RA-2,4G-10
		50RA-2,4G-12
100 m	2,4 mm	100R-2,4G-10
		100R-2,4G-12
	3,0 mm	100R-3G-10
		100R-3G-12
130 m	2,4 mm	130R-2,4G-10
		130R-2,4G-12
	3,0 mm	130R-3G-10
		130R-3G-12
150 m	2,4 mm	150R-2,4G-10
		150R-2,4G-12
	3,0 mm	150R-3G-10
		150R-3G-12
300 m	2,4 mm	300R-2,4G-10
		300R-2,4G-12
	3,0 mm	300R-3G-10
		300R-3G-12
320 m	2,4 mm	320R-2,4G-10
		320R-2,4G-12

The STIS Reel is a preassembled, ready-to-use kit consisting of a detonator, a shock tube, and a push/pull type starter.

Depending on the length, STIS Reels are available with two shock tube diameters: 2,4 mm and 3,0 mm in addition with two optional starters.

Shock tube

Diameter	2,4 mm	3,0 mm
Colour	Olive drab	Olive drab
Tensile strength (20 °C)	>150 N	>150 N
Core load HMX / aluminium max	15 mg/m	20 mg/m
Velocity of detonation	1 900 m/s	2 000 m/s
Structure	Three layers	Three layers

Detonator

Type	Non-electric
Shell material	Aluminium
Base charge	Charge > 700 mg (PETN)
Primer charge	Lead diazide
Strength	No.8
Delay	None
Diameter	7,5 mm
Length	61 mm (Nominal)
Seal	Rubber
Marking	None

Starter can be customized to meet the specific requirements of the customer (push/pull)

Type	Push (VS2012) / Pull (VS2010)
Safety devices	Two independent actions needed
Primer NEQ	25 mg



TECHNICAL INFORMATION

	50 m (RA)	50 – 150 m (R)	300 m (R)	320 m (R)
Shock tube	2,4 mm	2,4 mm / 3,0 mm	2,4 mm / 3,0 mm	2,4 mm
Length of the shock tube	50 m +	50 - 100 m +	300 m +	320 m +
Outer package	Plywood 685 x 447 x 499	Plywood 710 x 460 x 450 / 524 x 257 x 239	Plywood / Cardboard 710 x 460 x 450 / 210 x 210 x 260	Plywood / Cardboard 710 x 460 x 450 / 210 x 210 x 260
Inner package	Aluminum foil bag MIL-PRF-131K	Aluminum foil bag MIL-PRF-131K	Aluminum foil bag MIL-PRF-131K	Aluminum foil bag MIL-PRF-131K
Articles in the outer package	48 pcs in a box	24 pcs in a box / 4 pcs in a box	12 pcs in a box / 1 pc in a box	12 pcs in a box / 1 pc in a box
Suggested operational temperature	-40 °C ...+50 °C	-40 °C ...+50 °C	-40 °C ...+50 °C	-40 °C ...+50 °C
Hazard classification	1.4S	1.4S	1.4S	1.4S
UN number	UN 0500	UN 0500	UN 0500	UN 0500
NSN number	Ask for product specific NSN number			
Quality	ISO9001, AQAP2110	ISO9001, AQAP2110	ISO9001, AQAP2110	ISO9001, AQAP2110



Raikka Oy designs and produces explosive and pyrotechnic products with Nordic expertise, tailored to meet customers' requirements.

Our primary customers include governmental organizations, such as the armed forces and homeland security authorities, as well as other European defense industries. Founded in 1946 to support national defense and reconstruction, Raikka Oy has continuously expanded its expertise in explosives.

CERTIFIED
AQAP 2110



CERTIFIED
ISO 9001
ISO 14001



Espoo

HEADQUARTERS:

Nuottaniementie 9
FI-02230 Espoo, Finland

Tel +358 9 4777 950

Email helsinki@raikka.fi

Eurajoki

EXPLOSIVES WORKSHOP:

Sytyntie 1
FI-27150 Eurajoki, Finland

Tel +358 9 4777 950

Email info@raikka.fi

Eurajoki

MACHINE WORKSHOP:

Lapintie 2
FI-27100 Eurajoki, Finland

Tel +358 2 8684 800

Email eurajoki@raikka.fi