



ADDRESSABLE RELEASE TOOL

The ART-H is intended for use in horizontal or deviated wells in conjunction with high-voltage devices - such as tractors or setting tools - where the controllable release of all or part of a stuck tool-string may be required. Deployment of an ART can eliminate the risk of cable damage or breakage due to excess over-pull and significantly reduces the risk of a retrieval operation.

The ART is robustly designed to withstand the high voltages used to drive downhole tractors and is able to carry a maximum safe load of over three tonnes, enabling it to be run both above and below most devices. If deployed with ballistic devices, a shock absorber (SAT) is strongly recommended.

Three fail-safe mechanisms are incorporated in the device to ensure safe and reliable operation. Each tool is addressable by means of a user-selected code, transmitted from a surface control box. This enables up to seven ART's to be run in a single tool-string. Once released, a fishing neck remains to facilitate further recovery operations, with both upper and lower heads being pressure isolated to prevent entry of well fluids. Until released, the entire tool is pressure sealed, thereby minimising maintenance and service time.

SPECIFICATION

LENGTH (MAKE-UP):	27.8 IN / 706 MM
LENGTH (SHIPPING):	32 IN / 813 MM
DIAMETER:	2 ¹ / ₈ IN / 54 MM
PRESSURE (MAX):	15,000 PSI
TEMPERATURE (MAX):	177°C / 350°F
WEIGHT IN AIR:	18.7 LBS / 8.5 KGS

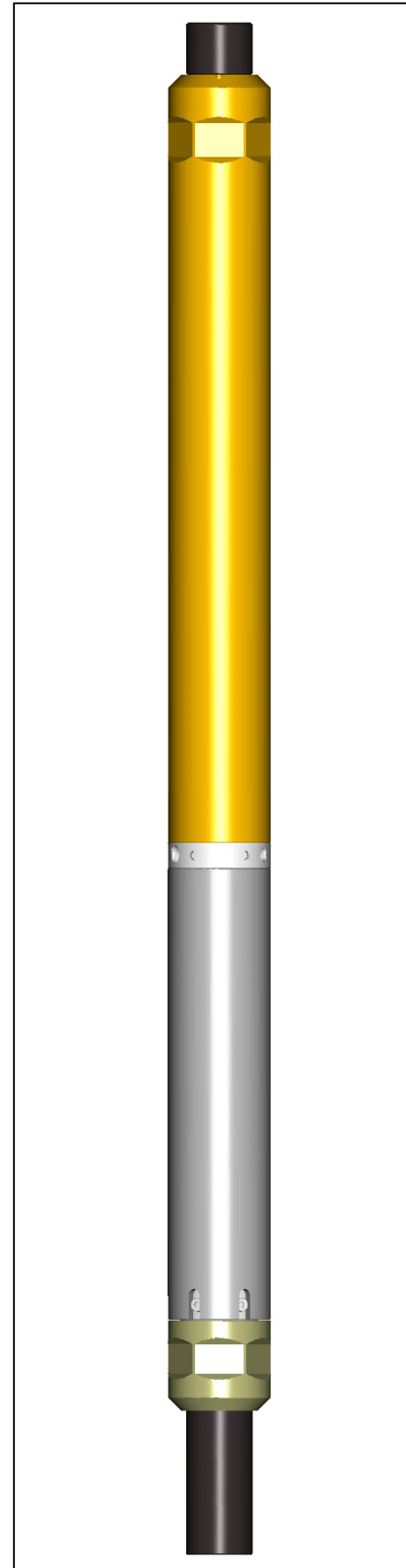
FISHING STRENGTH (RELEASED):	20,000 LBS / 9,100 KGS
CONNECTIONS:	1 ³ / ₁₆ IN GO TYPE A, (MONO)
FISHING HEAD DIAMETER:	1 ³ / ₁₆ IN OTIS
MAXIMUM WORKING LOAD:	6,700 LBS / 3,030 KG

ACTIVATION METHOD:	DIGITAL CODING
FAIL-SAFE MECHANISMS:	PRESSURE, LEAK LOCK, DIGITAL CODE
RELEASE CONTROL:	SURFACE CONTROL PANEL

SUPPLY VOLTAGE (NOMINAL):	- 82.0 VDC
MAXIMUM PEAK VOLTAGE:	1000VAC / 1000VDC
MAXIMUM PASS CURRENT:	12A
TOOL CURRENT (QUIESCENT):	0 MA
TOOL CURRENT (ACTIVATED):	< 150MA
H2S RATING:	RESISTANT TO NACE MRO-175

ALL **GUARDIAN** TOOLS ARE MANUFACTURED IN NACE SPECIFICATION (MRO 175) MATERIALS FOR USE IN WELLS CONTAINING H₂S/CO₂.

FOR FURTHER TECHNICAL DETAILS OR ADVICE, PLEASE CONTACT TECHSUPPORT@GGTG.NET. FOR PRICING AND AVAILABILITY CONTACT SALES@GGTG.NET



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