

Description:

Extended Range Tubing Cutters are designed for use in Pipe Recovery Operations as a final solution. The cutter is undersized to get through tight restrictions where a conventional cutter is not an option.

Benefits/Capabilities:

- Reduces fishing costs by utilizing the ACE™ cutting technology to minimize flare.
- Capable of cutting multiple weights and grades, including chrome
- Conforms to API RP-67 arming requirements
- “Air shippable” as Class 1.4D

Operation

Extended Range Tubing Cutters provide a quick and effective solutions to sever tubing. Extended Range Tubing Cutters utilize unique manufacturing and packaging processes to allow easy shipment and fast delivery to the customer.

Extended Range Tubing Cutters should be used when restrictions prohibit the use of conventional tubing cutters. The cutter with the largest possible diameter capable of running in the well should be chosen to achieve maximum performance. A gauge run is recommended prior to running the tool to insure the cutter can get to proper depth. This will prevent any safety concerns like sticking a live cutter in the well or spudding with explosive tools. Extended Range Tubing Cutters are to be shot in the tubing above the stuck point, but not at the collar. To maintain the maximum allowable performance from the cutter, it should be centralized. A de-centralized cutter may result in a partial cut and/or damage to the casing. It is also recommended that tension be applied to the tubing prior to detonation of the Tubing Cutter to assist in the removal of stuck tubulars.

Extended Range Tubing Cutters utilize explosive technology and are designed to explosively sever tubular members when initiated by an Owen’s Resistorized Bridge™ Detonator or RF-Safe “Green DET™” Detonator. Owen’s electrical detonators adhere to API RP-67 specifications. All safety rules and regulations should be strictly followed when storing, handling, assembling, and using these cutters and/or detonators. Safety precautions should be taken in accordance with your company’s safety policies, governmental regulations, and the American Petroleum Institute Recommended Practice 67 (API RP-67).

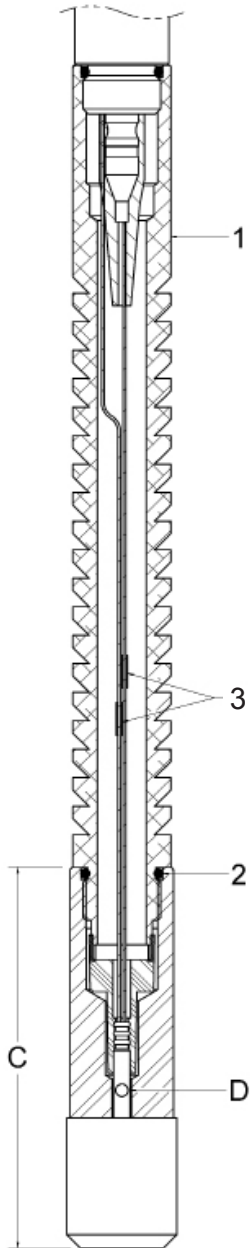
Extended Range Tubing Cutters come standard with HMX explosive powder rated to 400° F (204° C) for 1 hour.

Recommended Practices

A minimum of two bowspring centralizers should be run as a part of the tool string to insure adequate centralization of the cutter at depth. Owen recommends the 1 11/16” Bowspring Centralizer from Applied Electronic Systems, part number AS6-0066 (Owen part number AES- AS60066).

Specifications

OUTER DIA IN (MM)	TEMP. °F (°C)	PRESSURE PSI (MPA)	EXPLOSIVE WEIGHT LB (KG) (G)	RECOMMENDED APPLICATION	PART NUMBER
1.687 (42.9)	400 (204)	5,000 (34.5)	.04 (.019) (19)	2.875" 6.5# - 8.7#	CUT-1687-429
1.875 (47.6)	400 (204)	15,000 (103.4)	.032 (.015) (15)	2.875" 6.5# - 8.7#	CUT-1875-419
2.188 (55.6)	400 (204)	15,000 (103.4)	.064 (.029) (29)	3.500" 9.3# - 12.95#	CUT-2188-419



ITEM	DESCRIPTION	2.875"	3.500"
1	Aluminum Shock Sub - Open Bore	CUT-0100-079	CUT-0100-079
	Steel Extension Adapter	CUT-0100-087	CUT-0100-087
2	O-ring for Adapter	OOO-V569-214	OOO-V569-214
3	Splice Boot	PUR-0210-001	PUR-0210-001
C	Tubing Cutter	1.687" /CUT-1687-429 1.875" /CUT-1875-419	2.188" / CUT-2188-419
D	Detonator	DET-3050-009L or DET-3050-409	DET-3050-009L or DET-3050-409
-	RP-67 Arming Shield (Not shown)	CUT-1687-046	CUT-2062-047
-	Shunt Plug (Not Shown)	CUT-0100-016	
-	1.687" Bowstring Centralizer (Not Shown)	AES-AS60066-6	

- Items 1 - 3 and detonator must be ordered separately from cutter assembly.
- Alternate arming assembly available, using JRC style extension adapter with button contacts, CUT-0100-078 and detonator with spring contacts, DET-3050-009E for 1.56" and larger cutters.
- Owen recommends running a minimum of two bowsprings centralizers with these tubing cutters. The recommended part number for this 1.687" Bowspring Centralizer is AES-AS60066-6.
- ACE™ Extended Range Cutter is not intended to replace standard cutter application.

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