

A-1 M23 and M24 Casing Cutters

Make clean cuts without special surface equipment for a wide range of casing sizes and weights

Applications

- Cleanly cut a wide range of casing sizes and weights without special surface equipment

Features and Benefits

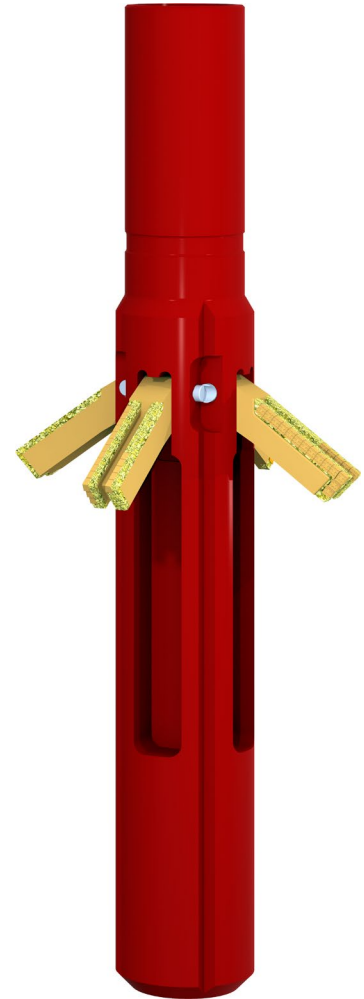
- A1 casing cutters have a simple design and a minimum of working parts for efficiency, versatility, and ruggedness.
- Hydraulic actuation makes these cutters powerful, efficient, and easy to use.
- Adjustable indicator bushing triggers a distinct pressure drop to signal that the cut is complete.
- Spring-loaded return piston retracts the knives back into the body after cutting, which prevents the knives from catching onto wellbore surfaces while tripping into or out of the well.
- All principal parts are manufactured from high-quality, heat-treated alloy steel to exacting tolerances, which extends tool life and keeps the tool intact under tough operating conditions.
- Knives are dressed using Weatherford MillSmart™ high-quality tungsten carbide inserts and hardfacing for outstanding milling performance.

Tool Description

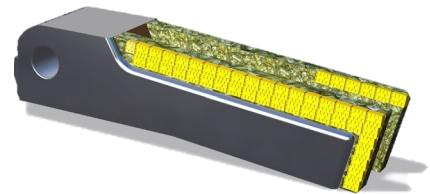
Weatherford A-1 M23 and M24 casing cutters cleanly cut casing of various specifications without special equipment. Hydraulically actuated and available in a range of sizes, the cutters can cut a single string or multiple strings of casing in the same operation. Cutting force is generated by internal pipe pressure, independent of axial or rotational movement of the tool in the well.

The rotary table, top drive, power swivel, or a downhole motor provide rotating power for these extremely rugged and efficient casing cutting tools. A-1 cutters can be run directly on tubing or drillpipe, either along or as part of a larger bottomhole assembly. This combination of capabilities makes them some of the most versatile, easy-to-operate tools of their kind. Cutting pipe of any size within range of the cutter in use requires only a change of knife.

Weatherford A-1 casing cutters are part of the company's MillSmart technology—a wide range of milling products, services, and technical resources developed and refined through an engineered approach and worldwide experience.



The A-1 M23 and M24 casing cutters (top image) feature knives (bottom image) dressed using Weatherford MillSmart technology and high-quality tungsten carbide for outstanding milling performance.



A-1 M23 and M24 Casing Cutters

Specifications

Casing Size	Tool OD	Maximum Range		Assembly Part No.	
		Single String	Multiple Strings	M23	M24
4.50 in. (60.24 mm)	3.63 in. (92.08 mm)	9.625 in. (244.48 mm)	7 in. (177.80 mm)	109462	—
5.50 in. (73.03 mm)	4.25 in. (107.95 mm)	13.375 in. (399.73 mm)	10.75 in. (273.05 mm)	116163	—
7.00 in. (177.80 mm)	5.50 in. (139.70 mm)	20 in. (508.00 mm)	13.375 in. (399.73 mm)	—	114754
8.625 in. (219.08 mm)	7.25 in. (184.15 mm)	36 in. (914.40 mm)	24 in. (609.60 mm)	—	115698
9.625 in. (244.48 mm)	8.25 in. (209.55 mm)	60 in. (1,524.00 mm)	36 in. (914.40 mm)	115984	—
10.75 in. (273.05 mm)	9.50 in. (241.30 mm)	60 in. (1,524.00 mm)	36 in. (914.40 mm)	114777	—
13.375 in. (399.73 mm)	12.00 in. (304.80 mm)	60 in. (1,524.00 mm)	42 in. (914.40 mm)	114812	114816
18.625 in. (473.09 mm)	17.00 in. (431.80 mm)	60 in. (1,524.00 mm)	42 in. (914.40 mm)	—	2856698

