

Casing Mill

Efficient and reliable removal of downhole casing strings.

APPLICATIONS

- Plug and abandonment (P&A) operations
- Removing long sections of cemented casing, tubing or liner

BENEFITS

- Carbide inserts with continuous chip breaker technology
- Variable blade length for different applications
- Stabilized body for optimum performance
- Larger size with lower pilot mill to stabilize and remove obstructions in the casing ID

Casing Mill

The casing mill is a tool which has been solely designed for the efficient removal of downhole casing strings. The cutting structure consists of P5 carbide or WavEdge* cutter technology. The carbide being specially developed for downhole application prevents premature wear and breakage.

The cutter structure ensures maximum ROP, ideal cutting size and extended milling duration.

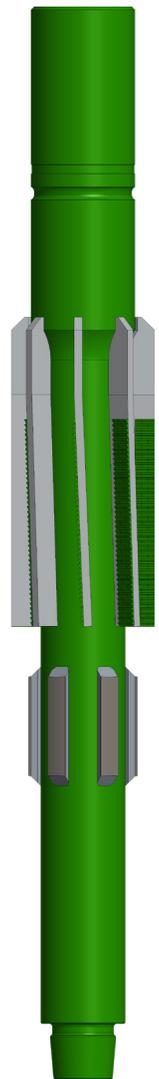
The blade is manufactured from high-grade alloy steel and positions the cutting edge at the precise angle for maximum cutting efficiency. Extended blade length provides maximum footage per mill.

7 Inches and Smaller

Casing mills in this size range have a round body dressed with wear-resistant tungsten carbide, stabilizing the mill inside the casing. The continuous chip breaker design generates steel cuttings that can easily be circulated out of the hole with a minimum of specialized mud conditioning required.

9⁵/₈ Inches and Larger

The 9⁵/₈ inch and larger casing mills use welded blade stabilizer pads to ensure the mill tracks straight down the casing stub. These larger diameter mills are best suited to high RPM with moderate weight-on-bit, and in ideal conditions are capable of milling long sections of casing.



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Casing Mill Specifications

Casing Size in. [mm]	Blade Diameter in. [mm]	Top Connection in.	Fishing Neck OD in. [mm]	Overall Length in. [cm]
4 ½	5.25 [133.35]	3 ½ REG	4.25 [107.95]	41 [104.14]
5 ½	6.125 [155.57]	3 ½ API	4.75 [120.65]	43 [109.22]
6 ⅝	7.515 [190.88]	4 ½ API	6.50 [165.10]	65 [165.10]
7	7.75 [196.85]	4 ½ API	6.50 [165.10]	82 [208.25]
7 ⅝	8.80 [223.52]	4 ½ API	6.50 [165.10]	82 [208.25]
9 ⅝	10.80 [274.32]	6 ⅝ REG	8.00 [203.20]	79 [200.66]
10 ¾	12.0 [304.80]	6 ⅝ REG	8.00 [203.20]	73 [185.42]
13 ⅜	14.50 [368.30]	7 ⅝	9.52 [241.81]	79 [200.66]
13 ⅝	14.50 [368.30]	7 ⅝	9.52 [241.81]	73 [185.42]
14	14.50 [368.30]	7 ⅝	9.50 [241.30]	73 [185.42]
16	17.25 [438.15]	7 ⅝	9.50 [241.30]	86 [218.44]
18 ⅝	20.50 [520.70]	7 ⅝	9.50 [241.30]	89 [226.06]
20	21.25 [539.75]	7 ⅝	9.50 [241.30]	81 [205.74]

*Refer to Well Abandonment Selection guide for detail information