

Pipe-Cutting Solutions

A RANGE OF EXPLOSIVE CUTTERS FOR ANY APPLICATION

During drilling operations, an occasional unplanned event will arise where recovery of stuck pipe is required. It may be in the form of a backoff or the use of cutters. Halliburton has a range of products providing recovery.

Jet Cutters

These are explosive shape charges designed to give a 360° cut by the use of a jet that is formed from the shape charge. These cutters are ranged for coiled tubing up to 13³/₈-in. casing. Jet cutters have a short-assembly length, which is most useful when rig height is limited.

Chemical Cutters

These cutters are made up of the chemical bromine trifluoride, which cuts the pipe cleanly without flaring at the cut point. Halliburton has experienced, trained field specialists who will complete the cut safely on location.

Drill Collar Severing Tool

The Drill Collar Severing Tool (DCST) is the most effective explosive drill collar/pipe cutter used today. The Halliburton DCST has a proven track record in many areas of operation where drilling rigs have become stuck. It works in heavy muds with high-pressure and high-temperature wells with success.

Other Specialized Solutions

Halliburton has a specialized group that designs, builds, and executes customized explosive and nonexplosive solutions to meet your challenges.



HAL42224



HAL42225



HAL42226

Drill Collar Severing Tools

Description	Cutter OD (in.)	Rating (psi/°F)	Shipping Class	Recommended Target (in.)	HP Rating PSI (Steel)	HT Rating °F (HNS)
1 ¹ / ₈ -in. Drill Collar Severing	1.375	15,000/400	1.4S UN0349 /UN0367	3.50 Drill Collar	20,000	460
1 ³ / ₈ -in. Drill Collar Severing Tool	1.750	15,000/400	1.4S UN0349 /UN0367	6.50 Drill Collar	20,000	460
2-in. Drill Collar Severing Tool	2.000	15,000/400	1.4S UN0349 /UN0367	8.00 Drill Collar	20,000	460
2 ¹ / ₈ -in. Drill Collar Severing Tool	2.625	15,000/400	1.4S UN0349 /UN0367	11.00 Drill Collar	20,000	460
2 ¹ / ₂ -in. Drill Collar Severing Tool	2.125	26,000/400	1.4S UN0349 /UN0367	8.00 Drill Collar	-	460

Tubing Cutters

Description	Cutter OD (in.)	Rating (psi/°F)	Shipping Class	Recommended Target (in.)	Wall Thickness	Weight (lb/ft)
1 ¹ / ₁₆ -in. Tubing Cutter	1.688	20,000/400	1.4D UN0440	2.38	0.190 - 0.254	4.70 - 5.95
1 ¹ / ₁₆ -in. Tubing Cutter (Cast Iron)	1.688	12,500/400	1.4D UN0440	2.38	0.190 - 0.254	4.70 - 5.95
1 ² / ₃₂ -in. Tubing Cutter	1.719	20,000/400	1.4D UN0440	2.38	0.190 - 0.254	4.70 - 5.95
1 ³ / ₁₆ -in. Tubing Cutter	1.813	20,000/400	1.4D UN0440	2.38	0.190 - 0.254	4.70 - 5.95
1 ³ / ₁₆ -in. Tubing Cutter (Cast Iron)	1.813	12,500/400	1.4D UN0440	2.38	0.190 - 0.254	4.70 - 5.95
2 ¹ / ₃₂ -in. Tubing Cutter	2.031	20,000/400	1.4D UN0440	2.88	0.217 - 0.308	6.50 - 8.70
2 ¹ / ₈ -in. Tubing Cutter	2.125	20,000/400	1.4D UN0440	2.88	0.217 - 0.308	6.50 - 8.70
2 ¹ / ₈ -in. Tubing Cutter (Cast Iron)	2.125	12,500/400	1.4D UN0440	2.88	0.217 - 0.308	6.50 - 8.70
2 ¹ / ₈ -in. Hastelloy Tubing Cutter	2.125	20,000/400	1.1D UN0059	2.88	0.276	7.90
2 ¹ / ₄ -in. Tubing Cutter	2.250	20,000/400	1.4D UN0440	2.88	0.217 - 0.276	6.50 - 7.90
2 ¹ / ₄ -in. Tubing Cutter (Cast Iron)	2.250	12,500/400	1.4D UN0440	2.88	0.217 - 0.276	6.50 - 7.90
2 ¹ / ₂ -in. Tubing Cutter (Cast Iron)	2.500	12,500/400	1.4D UN0440	3.50	0.254 - 0.449	9.30 - 15.50
2 ¹⁹ / ₃₂ -in. Tubing Cutter	2.594	20,000/400	1.4D UN0440	3.50	0.254 - 0.289	9.30 - 10.30
2.70-in. Tubing Cutter	2.700	20,000/400	1.4D UN0440	3.50	0.254 - 0.289	9.30 - 10.30
2.70-in. Hastelloy Tubing Cutter	2.700	20,000/400	1.1D UN0059	3.50	0.254 - 0.289	9.30 - 10.30

* Text in red denotes international shipping is specialized.

Segmented Cutters

Description	Cutter OD (in.)	Rating (psi/°F)	Shipping Class	Recommended Target (in.)	Wall Thickness (in.)	Weight (lb/ft)
2 ¹⁵ / ₁₆ -in. Casing Cutter	2.938	12,500 / 400	1.4D UN0352	4.00	0.262 - 0.380	11.85 - 15.70
3 ⁵ / ₁₆ -in. Drill Pipe Cutter	3.313	12,000 / 400	1.4D UN0352	4.50 5.00	0.271 - 0.430 0.296 - 0.362	13.75 - 20.00 16.25 - 19.50
3 ³ / ₈ -in. Casing Cutter	3.625	7,500 / 400	1.4D UN0352	4.50 5.00	0.205 - 0.337 0.296 - 0.500	9.50 - 15.10 15.00 - 24.20
3 ³ / ₈ -in. Drill Pipe Cutter	3.625	7,500 / 400	1.4D UN0352	5.00	0.296 - 0.362	16.25 - 19.50
4-in. Casing Cutter	4.000	9,000 / 400	1.4D UN0352	5.00	0.253 - 0.437	11.50 - 21.40
4 ¹ / ₂ -in. Casing Cutter	4.500	9,000 / 400	1.4D UN0352	5.50	0.304 - 0.415	17.00 - 23.00
4 ³ / ₄ -in. Casing Cutter	4.750	9,000 / 400	1.4D UN0352	5.50 5.75	0.244 - 0.304 0.330 - 0.430	14.00 - 17.00 19.50 - 25.20
5 ¹ / ₂ -in. Casing Cutter	5.500	9,000 / 400	1.4D UN0352	6.63 7.00	0.228 - 0.417 0.408 - 0.540	20.00 - 28.00 29.00 - 38.00
6-in. Casing Cutter	6.000	9,000 / 400	1.4D UN0352	7.00	0.317 - 0.408	23.00 - 29.00
6 ¹ / ₂ -in. Casing Cutter	6.125	9,700 / 400	1.4D UN0352	7.63	0.375 - 0.500	29.70 - 39.00
7 ¹ / ₄ -in. Casing Cutter	7.250	8,000 / 400	1.4D UN0352	8.63	0.400 - 0.595	36.00 - 52.00
8 ³ / ₁₆ -in. Casing Cutter	8.188	8,000 / 400	1.4D UN0352	9.63 9.88	0.435 - 0.545	43.50 - 53.50 62.80 - 68.00

Restricted I.D. Tubing Cutters

Description	Cutter OD (in.)	Rating (psi/°F)	Shipping Class	Recommended Target (in.)	Wall Thickness	Weight (lb/ft)
1 ¹ / ₁₆ -in. Tubing Cutter - Slim	1.563	20,000/400	1.4D UN0440	2.38	0.190 - 0.254	4.70 - 5.95
1 ³ / ₁₆ -in. Tubing Cutter - Slim	1.813	20,000/400	1.4D UN0440	2.88	0.217 - 0.308	6.50 - 8.70

Wafer Casing and Drill Pipe Cutters

Description	Cutter OD (in.)	Rating (psi/°F)	Shipping Class	Recommended Target (in.)	Wall Thickness	Weight (lb/ft)
2 ³ / ₁₆ -in. Drill Pipe Cutter	2.375	12,500/400	1.4D UN0440	3.50	0.254 - 0.449	9.50 - 15.50
2 ¹ / ₈ -in. Drill Pipe Cutter*	2.938	12,500/400	1.1D UN0059	4.00	0.262 - 0.380	11.85 - 15.70
2 ¹ / ₈ -in. Drill Pipe Cutter*	2.938	12,500/400	1.1D UN0059	4.50	0.271 - 0.430	13.75 - 20.00
3 ¹ / ₁₆ -in. Drill Pipe Cutter*	3.313	12,500/400	1.1D UN0059	4.50	0.430	20.00
3 ³ / ₁₆ -in. Drill Pipe Cutter*	3.625	7,500/400	1.1D UN0059	5.00	0.296 - 0.500	16.25 - 25.60
3 ³ / ₁₆ -in. Casing Cutter*	3.625	7,500/400	1.1D UN0059	4.50	0.205 - 0.337	9.50 - 15.10
4-in. Casing Cutter*	4.000	9,000/400	1.1D UN0059	5.00	0.253 - 0.437	11.50 - 21.40
4 ¹ / ₂ -in. Casing Cutter*	4.500	9,000/400	1.1D UN0059	5.50	0.304 - 0.415	17.00 - 23.00
4 ³ / ₄ -in. Casing Cutter*	4.750	9,000/400	1.1D UN0059	5.50	0.244 - 0.304	14.00 - 17.00
4 ³ / ₄ -in. Casing Cutter*	4.750	9,000/400	1.1D UN0059	5.75	0.330 - 0.430	19.50 - 25.20
5 ¹ / ₈ -in. Casing Cutter*	5.375	9,000/400	1.1D UN0059	6.00	0.224 - 0.275	14.00 - 17.00
5 ¹ / ₈ -in. Casing Cutter*	5.375	9,000/400	1.1D UN0059	6.63	0.475	32.00
5 ¹ / ₂ -in. Casing Cutter*	5.500	9,000/400	1.1D UN0059	6.63	0.228 - 0.417	20.00 - 28.00
5 ¹ / ₂ -in. Casing Cutter*	5.500	9,000/400	1.1D UN0059	7.00	0.408 - 0.540	29.00 - 38.00
6-in. Casing Cutter*	6.000	9,000/400	1.1D UN0059	7.00	0.317 - 0.408	23.00 - 29.00
6 ¹ / ₈ -in. Casing Cutter*	6.125	9,000/400	1.1D UN0059	7.63	0.375 - 0.500	29.70 - 39.00
7 ¹ / ₄ -in. Casing Cutter*	7.250	8,000/400	1.1D UN0059	8.63	0.400 - 0.595	36.00 - 52.00
8 ¹ / ₈ -in. Casing Cutter*	8.188	8,000/400	1.1D UN0059	9.63	0.435 - 0.545	43.50 - 53.50

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Coiled Tubing Cutters

Description	Cutter OD (in.)	Rating (psi/°F)	Shipping Class	Recommended Target (in.)	Wall Thickness (in.)	Weight (lb/ft)
0.948-in. Coiled Tubing Cutter	0.948	10,000/325	1.4D UN0440	1.25	0.095	1.72
1 ¹ / ₁₆ -in. Coiled Tubing Cutter	1.188	10,000/325	1.4D UN0440	1.50	0.109	1.62
1 ¹ / ₈ -in. Tubing Cutter	1.375	15,000/400	1.4D UN0440	1.75	0.134	2.31
1 ¹ / ₈ -in. Tubing Cutter	1.375	15,000/400	1.4D UN0440	1.90	0.145	2.90

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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