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E-PCT

The PCT is a patented cutting device used to sever tubing, casing, drillpipe, and coiled tubing.

The PCT performs this task without the use of high explosives or dangerous chemicals. Using advanced technology, it burns a proprietary mixture of various powdered metals while the torch nozzle guides the jets of highly energized plasma to the target pipe. The burn reaction is very similar to that of an oxyacetylene cutting torch on the pipe and occurs in approximately 25 ms.



Applications	Features	Benefits
Cuts stainless steels, Hastelloy®, and plastic-coated pipe	operates to temperatures greater than 500°F (260°C)	explosive or dangerous chemical free
cuts in exotic fluids or drilling muds without problems	operates to pressure greater than 15000psi	No special storage, handling, or disposal problems
Cuts in dry pipe conditions	Runs through restrictions to cut larger diameter pipe	No Flaring or swelling of the pipe

Specification

Part Number	Tool OD (in./mm)	Recommended Use	Pressure	
			(psi)	(kPa)
PCT-0750-200	3/4 19.05	Coiled tubing to 1.50 in., all weights	0 to 4,000	0 to 27,579
PCT-0750-300			4,000 to 10,000	27,579 to 68,948
PCT-0875-200	7/8 22.23	1.50-to 1.75-in. coiled tubing, all weights	0 to 4,000	0 to 27,579
PCT-0875-300			4,000 to 10,000	27,579 to 68,948
PCT-1000-200	1 25.40	1.75-to 2.00-in. coiled tubing	0 to 4,000	0 to 27,579
PCT-1000-300			4,000 to 10,000	27,579 to 68,948
PCT-1375-200	1-3/8" 34.93	2 3/8-in. tubing, 4.70 to 5.95 lb/ft	0 to 4,000	0 to 27,579
PCT-1375-300			4,000 to 10,000	27,579 to 68,948
PCT-1500-999XP	1-1/2" 38.10	2 7/8-in. drillpipe, 4.70 to 11.70 lb/ft	0 to 4,000	0 to 27,579
PCT-1750-999XP			4,000 to 10,000	27,579 to 68,948
PCT-2000-200	1-3/4" 44.45	3 1/2-in. drillpipe, all weights	0 to 4,000	0 to 27,579
PCT-2000-300			4,000 to 10,000	27,579 to 68,948
PCT-2000-400	2" 50.8	3 1/2-in drillpipe 9.30 to 12.95 lb/ft	0 to 4,000	0 to 27,579
		3 1/2-in. drillpipe, 12.95 to 16.80 lb/ft		
PCT-3375-200	4" 101.60	3 1/2-in. drillpipe, 9.30 to 12.95 lb/ft	4,000 to 10,000	27,579 to 68,948
		3 1/2-in. drillpipe, 12.95 to 16.80 lb/ft	4,000 to 10,000	27,579 to 68,948
PCT-3375-300	3-3/8" 85.725	5-in. drillpipe, 11.50 to 24.00 lb/ft	0 to 4,000	0 to 27,579
		5-in. drillpipe, 11.50 to 24.00 lb/ft		
PCT-3375-550	5" 127.00	5 1/2-in. drillpipe, 14.00 to 23.00 lb/ft	4,000 to 10,000	27,579 to 68,948
		5 1/2-in. drillpipe, 24.00 to 26.00 lb/ft		