



Hi Pro Casing Scraper (Non-Rotating)



The Hi Pro Non-Rotating Casing Scraper removes debris from the casing wall during wellbore clean-up, drilling and fishing to ensure efficient future operations. The scraper assists in the removal of residual drilling fluid, scale, cement, perforation burrs and other foreign material from the ID of the casing.

The tool has six blades specially aligned on the body to provide maximum contact with the casing ID while running-in and reciprocating the string.

The scraping element is non-rotating, avoiding additional wear or damage to the casing while rotating the string.

BENEFITS

- Blades are designed to give optimum scraping action while maintaining high fluid bypass past stabilizer, scraper and brush
- Avoids additional wear or damage to the casing while rotating the string
- Includes self-centralising stabilisers
- Suitable for a range of operations with sizes from 4 1/2" through to 20"
- Compatible with all standard clean-up tools with large inner bore

APPLICATIONS

- Drilling
- Fishing
- Completions
- Cement Drill Out



SPECIFICATIONS

	4 1/2 in CTX Hi-Pro Scraper			5 in CTX Hi-Pro Scraper	5 1/2 in Hi-Pro Scraper		6 5/8 in Hi-Pro Scraper	7 in CTX Hi-Pro Scraper			
Casing Weight	9.5-15.1#	17#	18.8#	13-18#	17-23#	23-28.4#	28-33#	23-26#	26-32#	32-35#	38#
Collapsed Blade	3.638"	3.59"	3.49"	4.130"	4.454"	4.300"	5.495"	6.061"	5.880"	5.760"	5.720"
Extended Blade	4.128"	3.89"	3.79"	4.545"	5.069"	4.720"	5.927"	6.488"	6.396"	6.276"	6.196"
Max Hard OD	3.638"	3.60"	3.50"	4.151"	4.545"	4.300"	5.500"	6.100"	5.900"	5.800"	5.720"
Body ID	1.000"			1.000"	1.500"	1.000"	1.500"	2.125"			
Overall Length	63.00"			63.00"	67.00"	63.00"	69.6"	86.25"			
Fishing Neck OD	3.125"			3.125"	3.438"	3.125"	3.125"	4.750"			
Rig Connection Type	2 7/8" HT PAC			2 7/8" HT PAC	2 7/8" PH6	2 7/8" HT PAC	2 7/8" HT PAC	NC38			
Torsional Yield Strength (ft/lbs)	8,500			8,500	8,300	8,500	8,500	11,800			
Make-up Torque (ft/lbs)	5,100			5,100	4,000	5,100	5,100	9,100			
Tensile Strength (lbs)	266,300			266,300	248,000	266,300	266,300	580,000			
Max Run Speed (ft/min)	150			150	150	150	150	150			
Max Rotating Speed (rpm)	30			30	30	30	30	120			
Max Compression when Rotating (lbs)	5,000			5,000	5,000	5,000	5,000	30,000			
Max Pressure Test (psi)	10,000			10,000	10,000	10,000	10,000	10,000			
Internal TFA (in ²)	0.785			0.785	1.767	0.785	1.767	3.546			
External TFA (in ²)	2.18 Max 1.29 Min.	1.8	1.8 Max 1.2 Min	2.53 Max. 1.89 Min	3.13 Max. 2.40 Min.	3.56 Max. 2.89 Min.	4.79 Max. 3.69 Min.	3.03 Max. 2.67 Min.	3.05 Max. 2.31 Min.	2.31 Max. 1.95 Min.	1.61

	7 5/8 in CTX Hi-Pro Scraper		9 5/8 in CTX Hi-Pro Scraper		10 3/4 in CTX Hi-Pro Scraper		11 3/4 in CTX Hi-Pro Scraper	13 3/8 in CTX Hi-Pro Scraper	18 5/8 in CTX Hi-Pro Scraper
Casing Weight	26.4-29.7#	33.7-39#	36-47#	47-58.4#	40.5-55.5#	55.5-85.3#	54-71#	61-86#	87.5#
Collapsed Blade	6.590"	6.390"	8.500"	8.200"	9.500"	8.950"	10.400"	11.900"	17.500"
Extended Blade	7.190"	6.990"	9.260"	8.960"	10.300"	9.800"	10.900"	12.550"	18.250"
Max Hard OD	6.688"	6.400"	8.500"	8.250"	9.500"	8.950"	10.400"	11.900"	17.500"
Body ID	2.125"	2.125"	3.000"		3.000"		3.000"	3.000"	3.500"
Overall Length	86.25"	86.25"	98.50"		98.50"		98.50"	98.50"	104.0"
Fishing Neck OD	4.750"	4.750"	7.250"		7.250"		7.250"	7.250"	8.250"
Rig Connection Type	NC38	NC38	NC50		NC50		NC50	NC50	6-5/8" REG
Torsional Yield Strength (ft/lbs)	11,800	11,800	51,700		51,700		51,700	51,700	84,000
Make-up Torque (ft/lbs)	9,100	9,100	27,000		27,000		27,000	27,000	50,000
Tensile Strength (lbs)	580,000	580,000	944,000		944,000		944,000	944,000	1,700,000
Max Run Speed (ft/min)	150	150	150		150		150	150	150
Max Rotating Speed (rpm)	120	120	120		120		120	120	120
Max Compression when Rotating (lbs)	30,000	30,000	40,000		40,000		40,000	40,000	50,000
Max Pressure Test (psi)	10,000	10,000	10,000		10,000		10,000	10,000	10,000
Internal TFA (in ²)	3.546	3.546	7.070		7.070		7.070	7.070	9.621
External TFA (in ²)	6.21 Max. 5.76 Min	5.25 Max. 4.62 Min	4.34 Max. 3.00 Min	3.00 Max. 1.65 Min	20.86 Max. 11.34 Min.	21.63 Max. 7.65 Min.	16.68 Max. 14.67 Min.	29.30 Max. 26.30 Min.	21.02

Other sizes available on request.

For Enquiries regarding the Cement Drill-Out version of the Hi-Pro Scraper, please contact the Coretrax Operations team.