



Tri Wave LLC
Drilling Tools, Accessories & Forgings



Roller Reamer



Roller Reamer, Material: 4145H

Tri Wave's Roller Reamers are manufactured from AISI 4145H modified heat treated alloy steel, simply designed to maintain the necessary hole gauge for both straight drilling and directional drilling. Different prototypes of cutter ensure the tools to working in whatever soft, medium or most tough formation.

Mechanical Properties

Minimum Yield Strength (psi)	Minimum Tensile Strength (psi)	Minimum Elongation (%)	Minimum Impact Energy (ft-lbs)	Brinell Hardness
110,000	140,000	14	40	285-341

Chemical Composition

Chemical Element	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al
	0.42-0.49	0.15-0.35	1.00-1.25	Max. 0.025	Max. 0.020	1.20-1.35	0.30-0.35	Max. 0.25	Max. 0.35	Max. 0.05



A: Hole Size

D: Inner Diameter

G: Crown Length

B: Fishing Neck Diameter

F: Fishing Neck Length

L: Overall Length

C: Tong Neck Diameter

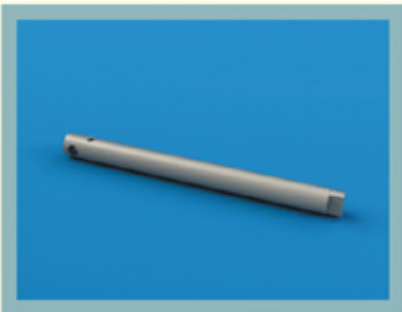
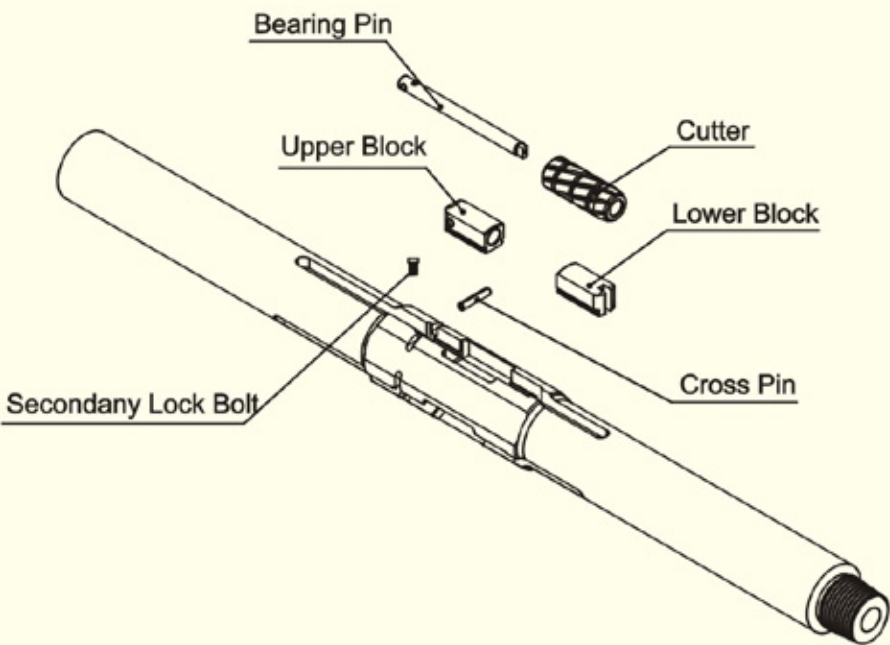
T: Tong Space Length

Standard Specifications of Roller Reamer

Hole Size (in)	Tong Neck Dia. (in)	Inner Dia. (in)	Fishing Neck Length (in)	Fishing Neck Dia. (in)	Overall Length (in)
5 7/8	4 3/4	1 1/4	37	4 3/4	80
6	4 3/4	1 1/4	37	4 3/4	80
6 1/8	4 3/4	1 1/4 or 1 1/2	37	4 3/4	80
6 1/4	4 3/4	1 3/4	37	4 3/4	80
6 1/2	4 3/4	1 3/4	37	4 3/4	80
7 7/8	6 1/2	2 1/4	37	6 1/2	95
8 1/2	6 1/2	2 1/4	37	6 1/2	95
8 3/4	6 1/2	2 1/4	37	6 1/2	95
9 7/8	6 1/2 or 8	2 1/4	48	6 1/2 or 8	98
11	8	2 13/16	48	8	98
12 1/8	8 or 9 1/2	2 13/16	55	8 or 9 1/2	126
12 1/4	8 or 9 1/2	2 13/16	55	8 or 9 1/2	126
14 3/4	9 1/2	2 13/16	55	9 1/2	126
16	9 1/2	2 13/16	55	9 1/2	126
17 1/2	9 1/2	2 13/16	55	9 1/2	126
20	9 1/2	2 13/16	55	9 1/2	126
26	9 1/2	2 13/16	55	9 1/2	126

Roller Reamer Forgings & Parts

With efficient inventories in Houston (Texas) and the machine shops nearby, Tri Wave can provide full sizes of Roller Reamer Bodies, Cutters, Pins and Blocks.



Company Profile

Headquartered in Houston TX USA, Tri Wave LLC is a professional supplier of drilling tools, accessories & forgings

Drilling Tools

- IB Stabilizer
- Integral Straight Blade Stabilizer
- Integral Sleeve Spiral Stabilizer
- Spherical Stabilizer
- Roller Reamer
- 4145 Drill Collar & Spiral Drill Collar
- 4145 Integral Heavy Weight Drill Pipe
- Non-magnetic Drill Collar & Non-magnetic IB Stabilizer

Drilling Tools Accessories

- Cutter/Pin/Block parts of roller reamer
- Lifting Cup
- Crossover Sub
- Drill Tool Lifting Sub
- PDC Inserts for Hole-opener
- Tungsten Inserts for Downhole Tools

Forgings For Drilling Tools

- Forging Stabilizer
- Forging Roller Reamer Body
- BOP Forging
- Forging Crossover
- Forging Tool Joints

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