

ROTARY REAMERS

PARVEEN rotary three point reamer consists of the rolling reamer cutters, reamer pin, cross pin, bearing block, cap screws and lock washers.

The design of a main body is simplified, so as to let the driller easily carry out the exchange operations of the reamer cutters and the bearing block.

These are designed basically for maintaining hole size and to provide stability to the drill string. Body is made of AISI 4145 H (M).

PARVEEN rotary reamer body is classified as below depending upon the purpose of use.

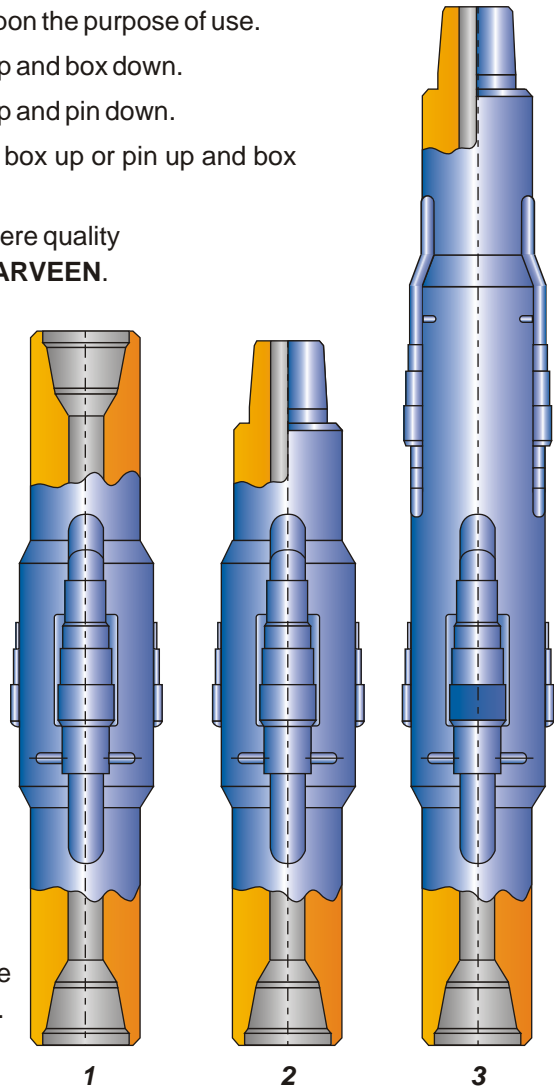
1. The connection of string reamer (three point) being with box up and box down.
2. The connection of string reamer (three point) being with box up and pin down.
3. The connection of bottom hole reamer (six point) being with box up or pin up and box down.

PARVEEN rolling reamer cutters are manufactured under the severe quality control and state of art manufacturing technology developed by **PARVEEN**.

Ordering Information:

1. Three or six point reamer.
2. Bottom hole (near bit) or string reamer.
3. Hole size.
4. Drill collar O.D
5. Type of cutter.
6. Size and type of top/bottom connection.

Roller reamer cutters are being made from AISI 8620/EN 36C nickel chromium molybdenum alloy steel and are carburized & hardened to 58 to 62 HRC. The cutter OD's are ground to finished gauge and the bore of cutters are case hardened and honed to exact sizes to ensure long life to the bearing surface. There are three types of cutters.



SOFT FORMATION CUTTER (SFC)

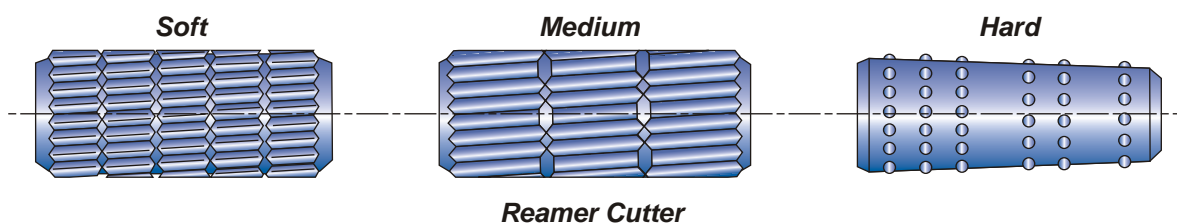
It is hob milled with sharp teeth for soft formation drilling. The leading edge of cutter is hard faced with sintered tungsten carbide.

MEDIUM FORMATION CUTTER (MFC)

It is hob milled with flat teeth for medium formation drilling. The leading edge of cutter is hardfaced with sintered tungsten carbide.

HARD FORMATION CUTTER (HFC)

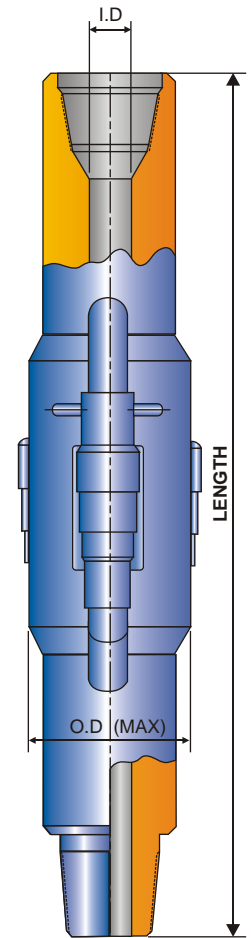
It has pressed-in tungsten carbide inserts for extremely hard and abrasive formations.





ROTARY REAMERS

DIMENSIONAL DATA FOR 3 POINT/ 6 POINT REAMERS														
HOLE SIZE	CUTTER SIZE	MANDREL BODY DIA(A)	FISHING NECK DIA(C)	BORE DIA (B)	LENGTH OVERALL		BEARING PIN SIZE	BLOCK SIZE	CROSS PIN DIA	CROSS PIN LENGTH	LOCKING BOLT SIZE	ASSLY. WT.(KGS) (APPROX)		
					3Pt.	6Pt.						3Pt.	6Pt.	
4 1/8	1 3/8	3 3/4	3 1/2	1	50	86	3/4	3/4A	1/4	1 3/4		45	86	
4 5/8	1 1/2	4 1/4	4	1	50	86	7/8	7/8A	1/4	1 3/4		60	115	
4 3/4	1 1/2	4 1/4	4	1	50	86	7/8	7/8B	1/4	1 3/4		60	115	
5 5/8	2	5	4 1/2	1	64	105	1	1A	5/16	2		105	205	
5 7/8	2	5	4 1/2	1	64	105	1	1C	5/16	2		105	205	
6	2	5 1/2	5	1 1/4	64	105	1	1A	5/16	2	1/2x 1/2	120	232	
6 1/8	2	5 1/2	5	1 1/4	64	105	1	1B	5/16	2	1/2x 1/2	120	232	
6 1/4	2	5 1/2	5	1 1/4	64	105	1	1C	5/16	2	1/2x 1/2	120	232	
6 1/2	2	5 1/2	5	1 1/4	64	105	1	1E	5/16	2	1/2x 1/2	120	232	
7 5/8	2 5/8	7	6 1/4	1 5/8	79	121	1 3/8	1 3/8A	1/2	2	1/2x 1/2	215	436	
7 7/8	2 5/8	7	6 1/2	1 5/8	79	121	1 3/8	1 3/8C	1/2	2	1/2x 1/2	215	436	
8 3/8	2 5/8	7 3/4	6 3/4	1 7/8	82	122	1 3/8	1 3/8A	1/2	2 1/2	1/2x 1/2	260	527	
8 1/2	2 3/4	7 3/4	6 3/4	1 7/8	82	122	1 3/8	1 3/8A	1/2	2 1/2	1/2x 1/2	260	527	
8 5/8	2 3/4	7 3/4	6 3/4	1 7/8	82	122	1 3/8	1 3/8B	1/2	2 1/2	1/2x 1/2	260	527	
8 3/4	2 3/4	7 3/4	6 3/4	1 7/8	82	122	1 3/8	1 3/8C	1/2	2 1/2	1/2x 1/2	260	527	
9 1/2	3 1/8	8 3/4	8	2 1/4	86	135	1 3/4	1 3/4A	1/2	3	1/2x 3/4	357	727	
9 5/8	3 1/8	8 3/4	8	2 1/4	86	135	1 3/4	1 3/4B	1/2	3	1/2x 3/4	357	727	
9 7/8	3 1/8	8 3/4	8	2 1/4	86	135	1 3/4	1 3/4D	1/2	3	1/2x 3/4	357	727	
10 5/8	3 1/4	9 1/2	8	2 1/4	86	137	1 3/4	1 3/4A	1/2	3	1/2x 3/4	430	864	
11	3 1/4	9 1/2	8	2 1/4	86	137	1 3/4	1 3/4D	1/2	3	1/2x 3/4	430	864	
12	4	10 1/2	10	2 13/16	104	155	2 1/4	2 1/4C	1/2	3 3/4	3/4x 3/4	495	1013	
12 1/4	4	10 1/2	10	2 13/16	104	155	2 1/4	2 1/4E	1/2	3 3/4	3/4x 3/4	495	1013	
13 3/4	4	11 3/4	10	2 13/16	104	155	2 1/4	2 1/4E	1/2	3 3/4	3/4x 3/4	657	1182	
14 3/4	5 1/2	12 3/4	10	2 13/16	104		2 1/2	2 1/2A	7/8	4 3/4	1x 1	775	1400	
15	5 1/2	12 3/4	10	2 13/16	104		2 1/2	2 1/2C	7/8	4 3/4	1x 1	775	1400	
17 1/2	5 1/2	15	11	3	105	164	2 1/2	2 1/2E	7/8	4 3/4	1x 1	1090	2318	
18 1/2	5 1/2	16 3/8	11	3	105		2 1/2	2 1/2A	7/8	4 3/4	1x 1	1200		
20	5 1/2	16 3/8	11	3	105		2 1/2	2 1/2M	7/8	4 3/4	1x 1	1200		
24	7	22	11	3	115		3	3A	7/8	4 3/4	1x 2 1/2	1773		
26	7	22	11	3	115		3	3C	7/8	4 3/4	1x 2 1/2	1773		



NOTE: Higher size Reamers can also be provided.

PARVEEN 3/6 POINT STRING CUTTER REAMERS					
PART NO.	SKETCH	PART NAME	QTY. 3 POINT	QTY. 6 POINT	MATERIAL
1		BODY	1	1	SAE 4145 H(M)
2		REAMER CUTTER	3	6	SAE 4815 H/ AISI 8620 / EN36C
3		REAMER PIN	3	6	SAE 8720 H
4		UPPER BLOCK	3	6	SAE 4815 H
5		LOWER BLOCK	3	6	SAE 4815 H
6		SPRING PIN	3	6	SPRING STEEL
7		HEX. BAR	1	2	S45C
8		BAR FOR PIN REMOVAL	1	2	S45C
9		BAR FOR PIN INSERT	1	2	S45C