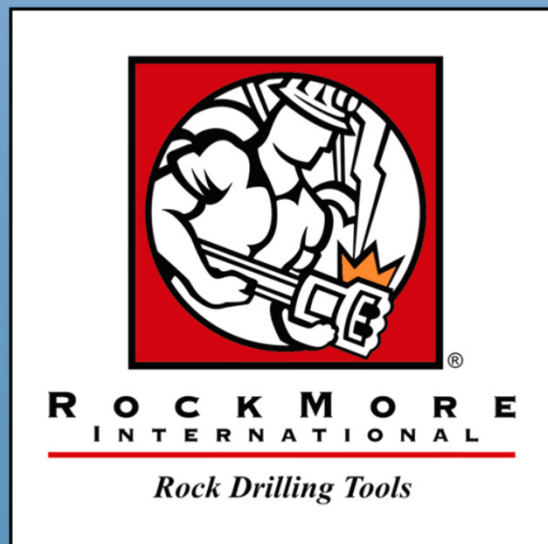




2023  
TOP HAMMER PRODUCT  
HANDBOOK



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**ROCKMORE INTERNATIONAL**



USA

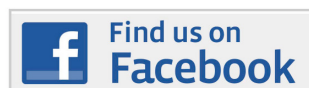
Phone: 503-682-1001  
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A-8750 Judenburg, Austria



[www.rockmore-intl.com](http://www.rockmore-intl.com)

# Rockmore International

## General Terms and Conditions

### **Prices**

All prices listed are EXW Rockmore International, Wilsonville, Oregon USA or Judenburg, Austria unless otherwise stated. **Pricing is subject to change without prior notice.**

### **Delivery**

Freight prepaid on all shipments totaling a minimum net invoice value of \$15,000.00 to official customer warehouses. Applicable only to regular ground delivery within the continuous United States (Alaska, Hawaii, and Puerto Rico excluded) and for USA final destinations.

Damaged or missing items must be noted on the delivery receipt and confirmed to our office in Wilsonville, Oregon within 48 hours following delivery of shipment.

### **Returns**

#### Unused products:

Absolutely no products shall be accepted for return without the prior written consent of Rockmore International and all freight costs shall be prepaid by purchaser. Request to return goods must be made within 60 days of invoice date. Returned goods must be in re-saleable condition and are subject to a minimum 15% restocking fee. Special order items are not returnable. Returns will not be accepted after 6 months of invoice date.

#### Warranty returns:

Absolutely no product shall be accepted for analysis without the prior written consent of Rockmore International and all freight costs shall be prepaid by purchaser. Rockmore, at its option will request that the goods be returned via a return authorization, call tag, or other means. Credit or replacement parts will be issued at the sole discretion of Rockmore International upon inspection of returned product. Return authorization numbers shall be clearly marked on box and placed on return packing slip.

All returns subject to inspection and final approval.

### **Special Orders**

Special items can be ordered from the factory with a confirming purchase order, but may be subject to minimum quantity requirements. Minimum quantity requirements are subject to fluctuation without prior notice. Shipping tolerance of +/- 10% may be applicable. Special order items are not subject to return.

### **Cancellations**

Purchaser may cancel an order only upon notice and is subject to final approval of Rockmore International. Cancellation of special order items will not be accepted.

### **Terms of Payment**

Upon credit approval, domestic terms are Net 30 days after the date of invoice unless otherwise stated.

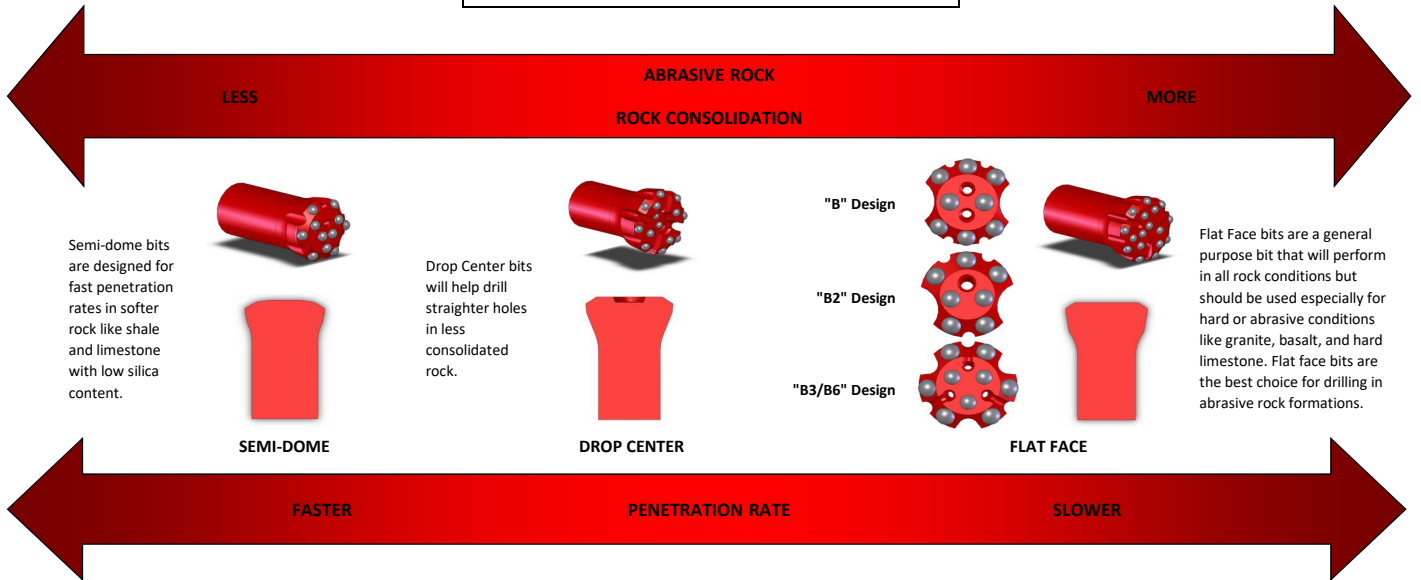
*All pricing, terms and conditions are subject to change without prior notice.*

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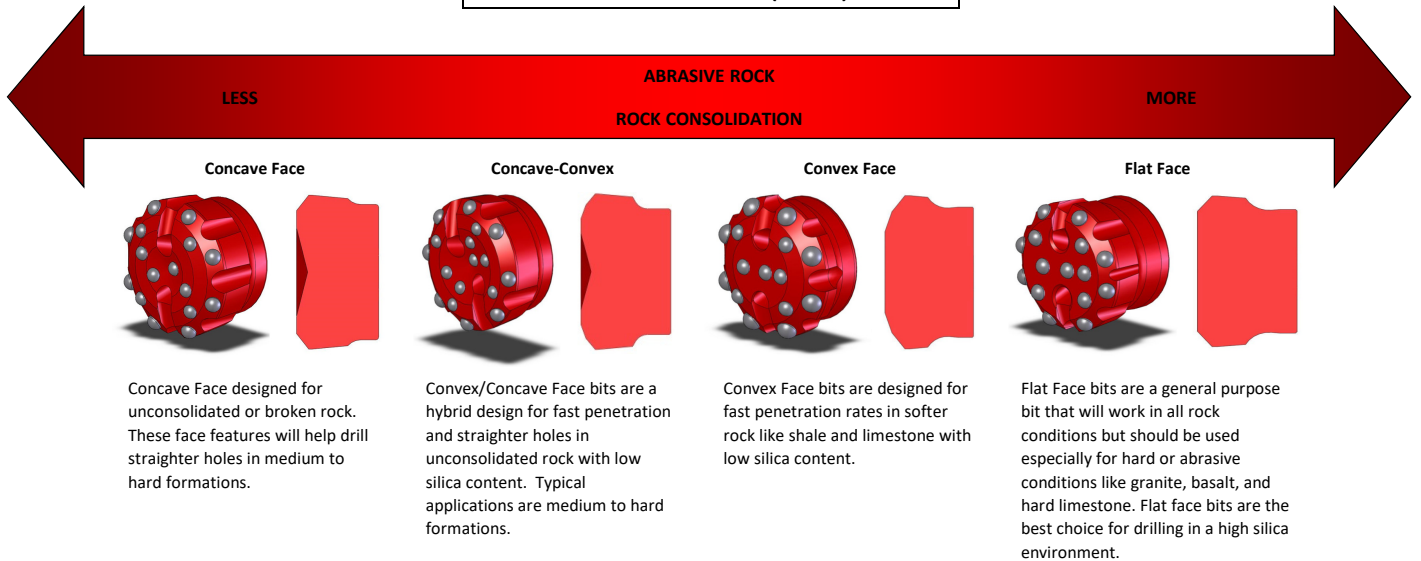
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# BIT FACE SELECTION

## TOP-HAMMER BUTTON BITS



## DOWN-THE-HOLE (DTH) BITS



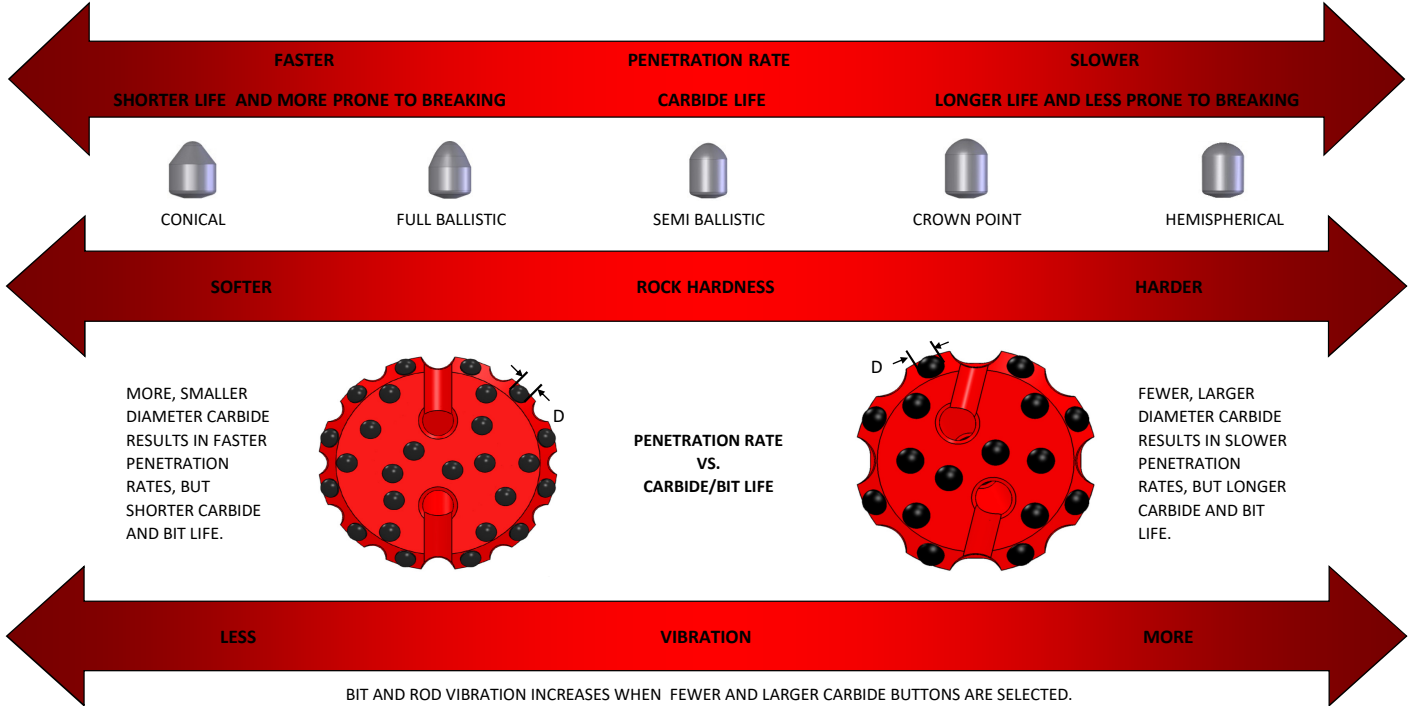
# CARBIDE SELECTION

## Carbide Designs

Perhaps the most fundamental decision when selecting different carbide configurations is profile shape. Button bits most commonly have either a hemispherical or semi-ballistic carbide design; however it is not uncommon to use other carbide designs as well. Below are selections of the different carbide designs offered by Rockmore International.

## Carbide Configurations

Most face designs for button bits are offered in multiple carbide configurations and typically differ in diameter, shape (i.e. profile) and quantity. There are some general guidelines to follow while selecting between multiple carbide configurations including resistance to wear, penetration rate, vibration, and specific rock conditions.

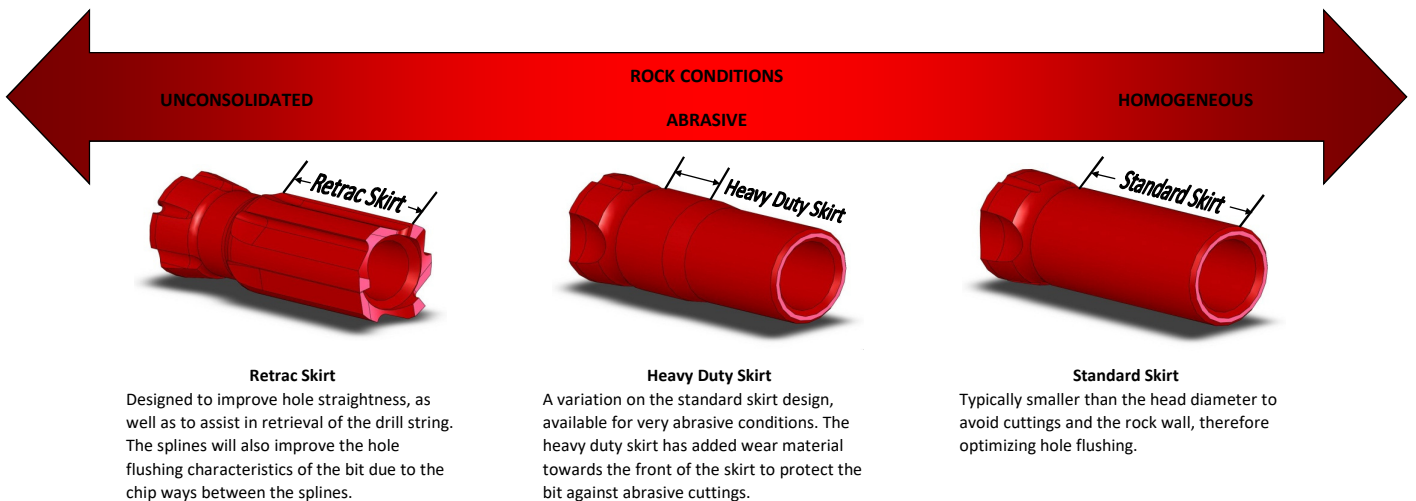


**MULTIPOINT**

MultiPoint -- the next generation carbide insert. Rockmore's exclusive new carbide insert design provides multiple strike points for more efficient rock fracture and longer insert life. Along with longer insert life, MultiPoint carbides also provide smoother bit rotation and advancement.



# SKIRT SELECTION



## Retrac Skirt

Designed to improve hole straightness, as well as to assist in retrieval of the drill string. The splines will also improve the hole flushing characteristics of the bit due to the chip ways between the splines.

## Heavy Duty Skirt

A variation on the standard skirt design, available for very abrasive conditions. The heavy duty skirt has added wear material towards the front of the skirt to protect the bit against abrasive cuttings.

## Standard Skirt

Typically smaller than the head diameter to avoid cuttings and the rock wall, therefore optimizing hole flushing.

# TAPERED BITS



## 22 mm X 4°46' (7/8" X 4°46')

NO.	CROSS MULTI - USE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER	
		W			H			D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.				
1	<p>1 FRONT FLUSHING HOLE</p>	8	5/16	14	9/16	32	1-1/4	T22-32M4-1369	49701		
		8	5/16	14	9/16	34	1-11/32	T22-34M4-1352	49703		
		8	5/16	14	9/16	35	1-3/8	T22-35M4-1255	49775		
		8	5/16	14	9/16	36	1-13/32	T22-36M4-1323	49705		
		8	5/16	14	9/16	38	1-1/2	T22-38M4-1437	49707		
		8	5/16	14	9/16	40	1-9/16	T22-40M4-1438	49709		
		8	5/16	14	9/16	41	1-5/8	T22-41M4-1496	49790		
		8	5/16	14	9/16	42	1-21/32	T22-42M4-1038	49711		
		8	5/16	14	9/16	45	1-3/4	T22-45M4-1118	49722		
		8	5/16	14	9/16	46	1-13/16	T22-46M4-1226	49724		
		8	5/16	14	9/16	48	1-7/8	T22-48M4-1497	49791		
		8	5/16	14	9/16	51	2	T22-51M4-1367	49712		
		8	5/16	14	9/16	57	2-1/4	T22-57M4-1764	49713		

NO.	B2 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2	<p>1 FRONT FLUSHING HOLE</p>	HEM	5	7	9/32	2	7	9/32	33	1-5/16	T22-33B24-1297	41025
		BAL	5	7	9/32	2	7	9/32	33	1-5/16	T22-33B24B-1293	41035
		HEM	5	8	5/16	2	7	9/32	35	1-3/8	T22-35B24-1032	41032
		BAL	5	8	5/16	2	7	9/32	35	1-3/8	T22-35B24B-1498	41075
		HEM	5	8	5/16	2	7	9/32	36	1-13/32	T22-36B24-1266	41030
		BAL	5	8	5/16	2	7	9/32	36	1-13/32	T22-36B24B-1673	41091
		HEM	5	9	11/32	2	7	9/32	38	1-1/2	T22-38B24-1031	41029
		BAL	5	9	11/32	2	7	9/32	38	1-1/2	T22-38B24B-1499	41076
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	T22-41B24-1138	41027
		BAL	5	9	11/32	2	9	11/32	41	1-5/8	T22-41B24B-1500	41034
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B24-1501	41033
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B24B-1502	41077
		HEM	5	11	7/16	2	9	11/32	48	1-7/8	T22-48B24-1741	41003
		BAL	5	11	7/16	2	9	11/32	48	1-7/8	T22-48B24B-1760	41005
		HEM	5	11	7/16	2	10	13/32	50	1-31/32	T22-50B24-1359	41059
		HEM	5	11	7/16	2	10	13/32	51	2	T22-51B24-1761	41031
		BAL	5	11	7/16	2	10	13/32	51	2	T22-51B24B-1762	41007

### CARBIDE PROFILE DESIGNS

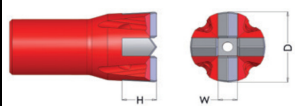


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

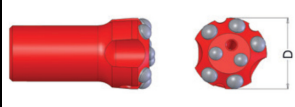
# TAPERED BITS




## 22 mm X 7° (7/8" X 7°)

NO.	CROSS MULTI - USE  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER	
		W		H		D		USA	AUSTRIA		
		mm	In.	mm	In.	mm	In.				
1		8	5/16	14	9/16	30	1-3/16	T22-30M7-1696	49758		
		8	5/16	14	9/16	32	1-1/4	T22-32M7-1732	49765		
		8	5/16	14	9/16	35	1-3/8	T22-35M7-1865	49798		
		8	5/16	14	9/16	41	1-5/8	T22-41M7-2414	49746		
		8	5/16	14	9/16	45	1-3/4	T22-45M7-1852	49763		
		8	5/16	14	9/16	48	1-7/8	T22-48M7-2629	49764		


  

NO.	B2 DESIGN  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.			mm	In.
2		BAL	5	7	9/32	2	7	9/32	30	1-3/16	T22-30B27B-4231	11020
		BAL	5	7	9/32	2	7	9/32	33	1-5/16	T22-33B27B-1375	41074
		HEM	5	8	5/16	2	7	9/32	36	1-13/32	T22-36B27B-1756	41065
		BAL	5	8	5/16	2	7	9/32	36	1-13/32	T22-36B27B-1855	41010
		BAL	5	9	11/32	2	7	9/32	38	1-1/2	T22-38B27B-1754	41096
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	T22-41B27B-1856	41052
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B27B-2269	41099
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B27B-2372	41053

## 25 mm X 7° (1" X 7°)

NO.	B2 DESIGN  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.			mm	In.
3		HEM	5	8	5/16	2	7	9/32	34	1-11/32	T25-34B27B-3223	41060
		BAL	5	8	5/16	2	7	9/32	36	1-13/32	T25-36B27B-1868	41013
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	T25-41B27B-1867	41012
		BAL	5	9	11/32	2	9	11/32	41	1-5/8	T25-41B27B-1863	41011

NO.	B3 DESIGN  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.			mm	In.
4		CP	6	8	5/16	3	7	9/32	41	1-5/8	T25-41B37CP-3364	41019
		BAL	6	8	5/16	3	7	9/32	41	1-5/8	T25-41B37B-3363	41018
		BAL	6	9	11/32	3	7	9/32	43	1-11/16	T25-43B37B-3002	41093
		BAL	6	9	11/32	3	8	5/16	45	1-3/4	T25-45B37B-3131	41004

### CARBIDE PROFILE DESIGNS



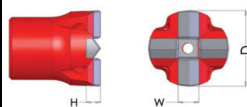
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



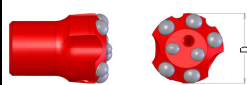
# TAPERED BITS



## 22 mm X 11° (7/8" X 11°)

NO.	CROSS SINGLE - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER	
		W		H		D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.		
1	 1 FRONT FLUSHING HOLE	8	5/16	6	1/4	28	1-1/8	T22-28S11-550	49792
		8	5/16	6	1/4	32	1-1/4	T22-32S11-551	49776
		8	5/16	6	1/4	35	1-3/8	T22-35S11-866	49749
		8	5/16	6	1/4	38	1-1/2	T22-38S11-552	49736
		8	5/16	6	1/4	41	1-5/8	T22-41S11-211	49752
		8	5/16	6	1/4	45	1-3/4	T22-45S11-553	49737
		8	5/16	6	1/4	48	1-7/8	T22-48S11-554	49747
		8	5/16	6	1/4	51	2	T22-51S11-555	49750

NO.	B2 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.		
2	 1 FRONT FLUSHING HOLE	HEM	5	7	9/32	2	7	9/32	32	1-1/4	T22-32B211-2679	41024
		BAL	5	7	9/32	2	7	9/32	32	1-1/4	T22-32B211B-2359	41023
		HEM	5	7	9/32	2	7	9/32	33	1-5/16	T22-33B211-1505	41079
		BAL	5	7	9/32	2	7	9/32	33	1-5/16	T22-33B211B-1506	41080
		HEM	5	8	5/16	2	7	9/32	35	1-3/8	T22-35B211-1507	41081
		CP	5	8	5/16	2	7	9/32	35	1-3/8	T22-35B211CP-3366	41040
		BAL	5	8	5/16	2	7	9/32	35	1-3/8	T22-35B211B-1254	41041
		HEM	5	9	11/32	2	7	9/32	38	1-1/2	T22-38B211-1508	41082
		BAL	5	9	11/32	2	7	9/32	38	1-1/2	T22-38B211B-1239	41042
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	T22-41B211-1509	41083
		BAL	5	9	11/32	2	9	11/32	41	1-5/8	T22-41B211B-1510	41084
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B211-1511	41085
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B211B-1512	41086

### CARBIDE PROFILE DESIGNS

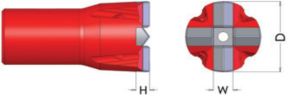
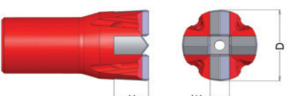
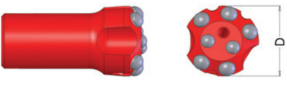


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 Note: Some button bits may not be offered with a particular carbide design shown above.

# TAPERED BITS



## 22 mm X 12° (7/8" X 12°)

NO.	CROSS SINGLE - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER				
		W		H		D		USA	AUSTRIA			
		mm	In.	mm	In.	mm	In.					
1	 1 FRONT FLUSHING HOLE	8	5/16	6	1/4	32	1-1/4	T22-32S12-606	49781			
		8	5/16	6	1/4	35	1-3/8	T22-35S12-607	49782			
		8	5/16	6	1/4	38	1-1/2	T22-38S12-608	49771			
		8	5/16	6	1/4	41	1-5/8	T22-41S12-609	49783			
		8	5/16	6	1/4	45	1-3/4	T22-45S12-610	49784			
		8	5/16	6	1/4	48	1-7/8	T22-48S12-611	49785			
		8	5/16	6	1/4	51	2	T22-51S12-612	49786			
		2	 1 FRONT FLUSHING HOLE	8	5/16	14	9/16	32	1-1/4	T22-32M12-129	49731	
8	5/16			14	9/16	35	1-3/8	T22-35M12-714	49739			
8	5/16			14	9/16	38	1-1/2	T22-38M12-713	49760			
8	5/16			14	9/16	41	1-5/8	T22-41M12-712	49787			
8	5/16			14	9/16	45	1-3/4	T22-45M12-711	49788			
8	5/16			14	9/16	48	1-7/8	T22-48M12-1513	49793			
8	5/16			14	9/16	51	2	T22-51M12-1514	49794			
3	 1 FRONT FLUSHING HOLE			CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		DIAMETER		PART NUMBER	
			No.	mm	In.	No.	mm	In.	mm	In.	USA	AUSTRIA
		BAL	4	7	9/32	1	7	9/32	28	1-1/8	T22-28B212B-4271	11024
		BAL	4	7	9/32	1	7	9/32	31	1-7/32	T22-31B212B-1653	41016
		HEM	5	7	9/32	2	7	9/32	32	1-1/4	T22-32B212B-1848	41048
		BAL	5	7	9/32	2	7	9/32	32	1-1/4	T22-32B212B-1169	41057
		HEM	5	7	9/32	2	7	9/32	33	1-5/16	T22-33B212B-2627	41014
		BAL	5	7	9/32	2	7	9/32	33	1-5/16	T22-33B212B-1493	41015
		HEM	5	8	5/16	2	7	9/32	35	1-3/8	T22-35B212B-100	41046
		BAL	5	8	5/16	2	7	9/32	35	1-3/8	T22-35B212B-1398	41064
		HEM	5	9	11/32	2	7	9/32	38	1-1/2	T22-38B212B-690	41047
		BAL	5	9	11/32	2	7	9/32	38	1-1/2	T22-38B212B-1399	41049
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	T22-41B212B-102	41069
		BAL	5	9	11/32	2	9	11/32	41	1-5/8	T22-41B212B-1246	41050
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B212B-101	41070
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	T22-45B212B-1515	41087

### CARBIDE PROFILE DESIGNS

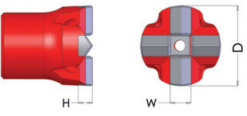
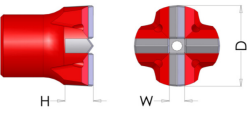


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## "H" THREAD

NO.	CROSS SINGLE - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER	
		W		H		D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.		
1	 <p>1 FRONT FLUSHING HOLE</p>	8	5/16	6	1/4	35	1-3/8	H-35S-158	41107
		8	5/16	6	1/4	38	1-1/2	H-38S-159	41108
		8	5/16	6	1/4	41	1-5/8	H-41S-160	41109
		8	5/16	6	1/4	45	1-3/4	H-45S-161	41110
		8	5/16	6	1/4	48	1-7/8	H-48S-162	41111
		8	5/16	6	1/4	51	2	H-51S-163	41112
		8	5/16	6	1/4	57	2-1/4	H-57S-164	41113
		2	 <p>1 FRONT FLUSHING HOLE</p>	CARBIDE DIMENSIONS				DIAMETER	
W				H		D		USA	AUSTRIA
mm	In.			mm	In.	mm	In.		
8	5/16			14	9/16	35	1-3/8	H-35M-165	41114
8	5/16			14	9/16	38	1-1/2	H-38M-166	41115
8	5/16			14	9/16	41	1-5/8	H-41M-167	41116
8	5/16			14	9/16	45	1-3/4	H-45M-168	41117
8	5/16			14	9/16	48	1-7/8	H-48M-169	41118
8	5/16			14	9/16	51	2	H-51M-170	41119
8	5/16			14	9/16	57	2-1/4	H-57M-171	41120
9.5	3/8			14	9/16	64	2-1/2	H-64M-172	41121
12	15/32			20.6	13/16	70	2-3/4	H-70M-572	41122
12	15/32			20.6	13/16	76	3	H-76M-573	41123

## CARBIDE PROFILE DESIGNS

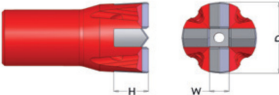


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.


# THREADED BITS



## R22 7/8" ROPE THREAD

NO.	CROSS MULTI - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER	
		W		H		D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.		
1	 <p>1 FRONT FLUSHING HOLE</p>	8	5/16	14	9/16	35	1-3/8	R22-35M-808	49679
		8	5/16	14	9/16	38	1-1/2	R22-38M-807	49651
		8	5/16	14	9/16	41	1-5/8	R22-41M-949	49662

NO.	B2 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.			mm	In.
2	 <p>1 FRONT FLUSHING HOLE</p>	HEM	5	7	9/32	2	7	9/32	32	1-1/4	R22-32B2-4079	44241
		BAL	5	7	9/32	2	7	9/32	32	1-1/4	R22-32B2B-2979	44705
		HEM	5	8	5/16	2	7	9/32	34	1-11/32	R22-34B2-3129	44237
		BAL	5	8	5/16	2	7	9/32	34	1-11/32	R22-34B2B-3130	44238
		HEM	5	8	5/16	2	7	9/32	35	1-3/8	R22-35B2-923	44503
		HEM	5	9	11/32	2	7	9/32	38	1-1/2	R22-38B2-924	44599
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	R22-41B2-1517	44614
		HEM	5	9.5	3/8	2	8	5/16	43	1-11/16	R22-43B2-4080	41193
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	R22-45B2-1518	44615

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## R25 1" ROPE THREAD

NO.	CROSS MULTI - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER	
		W		H		D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.		
1	<p>1 FRONT FLUSHING HOLE</p>	8	5/16	14	9/16	35	1-3/8	R25-35M-415	49673
		8	5/16	14	9/16	38	1-1/2	R25-38M-413	49600
		8	5/16	14	9/16	41	1-5/8	R25-41M-663	49601
		8	5/16	14	9/16	43	1-11/16	R25-43M-4081	49602
		8	5/16	14	9/16	45	1-3/4	R25-45M-414	49603
		9.5	3/8	19	3/4	48	1-7/8	R25-48M-771	49640
		9.5	3/8	19	3/4	51	2	R25-51M-854	49660
		9.5	3/8	19	3/4	57	2-1/4	R25-57M-863	49658

NO.	B2 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.		
2	<p>1 FRONT FLUSHING HOLE</p>	HEM	5	7	9/32	2	7	9/32	32	1-1/4	R25-32B2-941	44124
		BAL	5	7	9/32	2	7	9/32	32	1-1/4	R25-32B2B-1383	44125
		HEM	5	7	9/32	2	7	9/32	33	1-5/16	R25-33B2-1434	44847
		BAL	5	7	9/32	2	7	9/32	33	1-5/16	R25-33B2B-1519	44616
		HEM	5	8	5/16	2	7	9/32	35	1-3/8	R25-35B2-1130	44741
		BAL	5	8	5/16	2	7	9/32	35	1-3/8	R25-35B2B-1458	44647
		HEM	5	8	5/16	2	7	9/32	36	1-13/32	R25-36B2-769	44507
		HEM	5	9	11/32	2	7	9/32	38	1-1/2	R25-38B2-1520	44617
		HEM	5	9.5	3/8	2	7	9/32	38	1-1/2	R25-38B2-410	44743
		BAL	5	9	11/32	2	7	9/32	38	1-1/2	R25-38B2B-1521	44754
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	R25-41B2-082	44673
		BAL	5	9	11/32	2	9	11/32	41	1-5/8	R25-41B2B-1483	44677
		HEM	5	9.5	3/8	2	8	5/16	43	1-11/16	R25-43B2-1390	44623
		BAL	5	9.5	3/8	2	8	5/16	43	1-11/16	R25-43B2B-1765	44991
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	R25-45B2-407	44602
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	R25-45B2B-408	44603
		HEM	5	11	7/16	2	9	11/32	48	1-7/8	R25-48B2-083	44326
		BAL	5	11	7/16	2	9	11/32	48	1-7/8	R25-48B2B-406	44327
		HEM	5	11	7/16	2	10	13/32	51	2	R25-51B2-085	44328
		BAL	5	11	7/16	2	10	13/32	51	2	R25-51B2B-2628	44329

NO.	B3 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.		
3	<p>3 FRONT FLUSHING HOLES</p>	BAL	6	7	9/32	3	7	9/32	35	1-3/8	R25-35B3B-4182	16078
		HEM	6	9	11/32	3	7	9/32	43	1-11/16	R25-43B3-4063	16079
		CP / HEM	6	9	11/32	3	7	9/32	43	1-11/16	R25-43B3CP-4064	16080
		HEM	6	9	11/32	3	8	5/16	45	1-3/4	R25-45B3-1522	44618
		BAL	6	9	11/32	3	8	5/16	45	1-3/4	R25-45B3B-1523	44619
		HEM	6	9	11/32	3	9	11/32	48	1-7/8	R25-48B3-1524	44624
		BAL	6	9	11/32	3	9	11/32	48	1-7/8	R25-48B3B-1525	44625
		HEM	6	10	13/32	3	9.5	3/8	51	2	R25-51B3-1526	44767
		BAL	6	10	13/32	3	9.5	3/8	51	2	R25-51B3B-1527	44626
		HEM	6	10	13/32	3	10	13/32	57	2-1/4	R25-57B3-1528	44629
		BAL	6	10	13/32	3	10	13/32	57	2-1/4	R25-57B3B-1529	44632
		BAL	6	10	13/32	3	10	13/32	60	2-3/8	R25-60B3B-3401	44188

NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.		
4	<p>1 FRONT FLUSHING HOLE</p>	BAL	5	9	11/32	2	9	11/32	41	1-5/8	R25-41BFRTB-1738	44968
		BAL	5	9.5	3/8	2	8	5/16	43	1-11/16	R25-43BFRTB-3749	44062
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	R25-45BFRTB-3750	44063

NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.		
5	<p>3 FRONT FLUSHING HOLES</p>	HEM	6	9	11/32	3	9	11/32	48	1-7/8	R25-48BFRT-3251	44221
		BAL	6	9	11/32	3	9	11/32	48	1-7/8	R25-48BFRTB-3252	44222
		BAL	6	10	13/32	3	9.5	3/8	51	2	R25-51BFRTB-2816	44254
		HEM	6	10	13/32	3	10	13/32	57	2-1/4	R25-57BFRT-3584	41189
		BAL	6	10	13/32	3	10	13/32	57	2-1/4	R25-57BFRTB-3580	41187
		BAL	6	10	13/32	3	10	13/32	60	2-3/8	R25-60BFRTB-3402	44189

### CARBIDE PROFILE DESIGNS

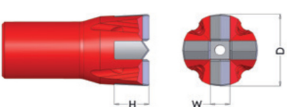


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 Note: Some button bits may not be offered with a particular carbide design shown above.

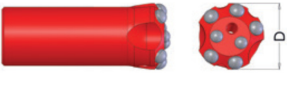
# THREADED BITS



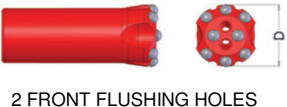
## R28 1-1/8" ROPE THREAD

NO.	CROSS MULTI - USE  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER	
		W			H			D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.				
1		8	5/16	14	9/16	35	1-3/8	R28-35M-1530	49696		
		8	5/16	14	9/16	38	1-1/2	R28-38M-419	49604		
		8	5/16	14	9/16	41	1-5/8	R28-41M-386	49605		
		8	5/16	14	9/16	45	1-3/4	R28-45M-387	49607		

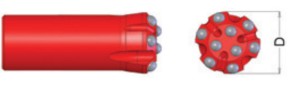
  

NO.	B2 DESIGN  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2		HEM	5	8	5/16	2	7	9/32	36	1-13/32	R28-36B2-216	44792
		BAL	5	8	5/16	2	7	9/32	36	1-13/32	R28-36B2B-1766	44990
		HEM	5	8	5/16	2	8	5/16	38	1-1/2	R28-38B2-1291	44664
		BAL	5	8	5/16	2	8	5/16	38	1-1/2	R28-38B2B-2575	44633
		BAL	5	9	11/32	2	7	9/32	38	1-1/2	R28-38B2B-694	44727
		HEM	5	9	11/32	2	9	11/32	41	1-5/8	R28-41B2-788	44628
		BAL	5	9	11/32	2	9	11/32	41	1-5/8	R28-41B2B-1804	44656
		HEM	5	9.5	3/8	2	8	5/16	43	1-11/16	R28-43B2-1481	44994
		BAL	5	9.5	3/8	2	8	5/16	43	1-11/16	R28-43B2B-1767	44661
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	R28-45B2-976	44729
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	R28-45B2B-461	44563
		HEM	5	11	7/16	2	9	11/32	48	1-7/8	R28-48B2-091	44887

NO.	B DESIGN  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3		HEM	6	8	5/16	2	8	5/16	43	1-11/16	R28-43B-1349	44807
		BAL	6	8	5/16	2	8	5/16	43	1-11/16	R28-43BB-1538	44713
		BAL	6	9	11/32	2	9	11/32	45	1-3/4	R28-45BB-1573	44826

NO.	B3 DESIGN  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
4		HEM	6	9	11/32	3	8	5/16	45	1-3/4	R28-45B3-975	44564
		BAL	6	9	11/32	3	8	5/16	45	1-3/4	R28-45B3B-1532	44662
		HEM	6	9	11/32	3	9	11/32	48	1-7/8	R28-48B3-1533	44683
		BAL	6	9	11/32	3	9	11/32	48	1-7/8	R28-48B3B-1534	44698
		HEM	6	10	13/32	3	9.5	3/8	51	2	R28-51B3-1347	44753
		BAL	6	10	13/32	3	9.5	3/8	51	2	R28-51B3B-1535	44699

### CARBIDE PROFILE DESIGNS

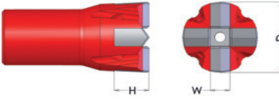


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 Note: Some button bits may not be offered with a particular carbide design shown above.


# THREADED BITS




## R32 1-1/4" ROPE THREAD

NO.	CROSS MULTI - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER	
		W		H		D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.		
1	 1 FRONT FLUSHING HOLE	9.5	3/8	19	3/4	41	1-5/8	R32-41M-138	49608
		9.5	3/8	19	3/4	43	1-11/16	R32-43M-416	49614
		9.5	3/8	19	3/4	45	1-3/4	R32-45M-139	49615
		9.5	3/8	19	3/4	48	1-7/8	R32-48M-140	49616
		9.5	3/8	19	3/4	51	2	R32-51M-141	49617
		9.5	3/8	19	3/4	57	2-1/4	R32-57M-142	49618
		12.7	1/2	25	1	76	3	R32-76MHD-147	49670

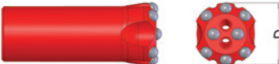
  

NO.	X MULTI - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER	
		W		H		D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.		
2	 1 FRONT FLUSHING HOLE	12	15/32	20.6	13/16	64	2-1/2	R32-64X-269	49619
		12.7	1/2	25	1	76	3	R32-76XHD-148	49678
		12.7	1/2	25	1	89	3-1/2	R32-89XHD-400	49647
		16	5/8	25	1	102	4	R32-102XHD-401	49692

NO.	B2 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.		
3	 1 FRONT FLUSHING HOLE * = 2 SIDE FLUSH HOLES	HEM	5	9	11/32	2	9	11/32	41	1-5/8	R32-41B2-001	44649
		BAL	5	9	11/32	2	9	11/32	41	1-5/8	R32-41B2B-364	44650
		HEM	5	9.5	3/8	2	8	5/16	43	1-11/16	R32-43B2-193	44636
		CP	5	9.5	3/8	2	8	5/16	43	1-11/16	R32-43B2CP-2863	44267
		BAL	5	9.5	3/8	2	8	5/16	43	1-11/16	R32-43B2B-1253	44648
		HEM	5	10	13/32	2	9	11/32	45	1-3/4	R32-45B2-002	44652
		BAL	5	10	13/32	2	9	11/32	45	1-3/4	R32-45B2B-671	44651
		HEM	5	11	7/16	2	9	11/32	48	1-7/8	R32-48B2-1110	44530
		HEM	5	11	7/16	2	9	11/32	48	1-7/8	R32-48B2-1394 *	44529
		BAL	5	11	7/16	2	9	11/32	48	1-7/8	R32-48B2B-362 *	44659
		HEM	5	12.7	1/2	2	9.5	3/8	51	2	R32-51B2-358	44757
		BAL	5	11	7/16	2	10	13/32	51	2	R32-51B2B-366	44567

NO.	B DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.		
4	 2 FRONT FLUSHING HOLES * = 1 SIDE FLUSH HOLE	HEM	6	8	5/16	2	8	5/16	41	1-5/8	R32-41B-452	44803
		HEM	6	8	5/16	2	8	5/16	41	1-5/8	R32-41B-2529 *	44346
		BAL	6	8	5/16	2	8	5/16	41	1-5/8	R32-41BB-2530 *	44347
		HEM	6	8	5/16	2	8	5/16	43	1-11/16	R32-43B-1541	44716
		BAL	6	8	5/16	2	8	5/16	43	1-11/16	R32-43BB-1542	44717
		HEM	6	9	11/32	2	9	11/32	45	1-3/4	R32-45B-697	44740
		BAL	6	9	11/32	2	9	11/32	45	1-3/4	R32-45BB-176	44755
		HEM	6	9.5	3/8	2	9.5	3/8	48	1-7/8	R32-48B-1543	44718
		BAL	6	9.5	3/8	2	9.5	3/8	48	1-7/8	R32-48BB-973	44798
		HEM	6	11	7/16	2	9	11/32	51	2	R32-51B-1252	44453
		BAL	6	11	7/16	2	9	11/32	51	2	R32-51BB-179 *	44827

### CARBIDE PROFILE DESIGNS

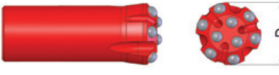
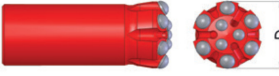
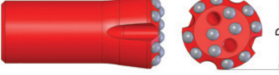
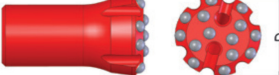



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## R32 1-1/4" ROPE THREAD (CONTINUED)

NO.	B3 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
5	 3 FRONT FLUSHING HOLES	HEM	6	9	11/32	3	7	9/32	43	1-11/16	R32-43B3-1850	44324
		BAL	6	9	11/32	3	7	9/32	43	1-11/16	R32-43B3B-1224	44325
		HEM	6	9	11/32	3	8	5/16	45	1-3/4	R32-45B3-1295	44675
		HEM	6	10	13/32	3	8	5/16	45	1-3/4	R32-45B3-755	44726
		CP	6	10	13/32	3	8	5/16	45	1-3/4	R32-45B3CP-2613	44273
		BAL	6	9	11/32	3	8	5/16	45	1-3/4	R32-45B3B-384	44704
		BAL	6	10	13/32	3	8	5/16	45	1-3/4	R32-45B3B-1945	44728
		HEM	6	9	11/32	3	9	11/32	48	1-7/8	R32-48B3-1485	44690
		HEM	6	10	13/32	3	8	5/16	48	1-7/8	R32-48B3-760	44694
		CP	6	10	13/32	3	8	5/16	48	1-7/8	R32-48B3CP-2765	44265
		BAL	6	9	11/32	3	9	11/32	48	1-7/8	R32-48B3B-699	44787
		BAL	6	10	13/32	3	8	5/16	48	1-7/8	R32-48B3B-2398	44322
		HEM	6	10	13/32	3	9.5	3/8	51	2	R32-51B3-361	44756
		HEM	6	11	7/16	3	9	11/32	51	2	R32-51B3-3535	44712
		CP	6	10	13/32	3	9.5	3/8	51	2	R32-51B3CP-2617	44323
		BAL	6	10	13/32	3	9.5	3/8	51	2	R32-51B3B-383	44802
		BAL	6	10	13/32	3	9.5	3/8	54	2-1/8	R32-54B3B-3360	44197
		HEM	6	10	13/32	3	10	13/32	57	2-1/4	R32-57B3-1283	44730
		BAL	6	10	13/32	3	10	13/32	57	2-1/4	R32-57B3B-1539	44791
		HEM	6	11	7/16	3	11	7/16	64	2-1/2	R32-64B3-1471	44544
BAL	6	11	7/16	3	11	7/16	64	2-1/2	R32-64B3B-1540	44570		
6	 3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
		HEM	6	9	11/32	3	7	9/32	43	1-11/16	R32-43B6-3460	44175
		CP	6	9	11/32	3	7	9/32	43	1-11/16	R32-43B6CP-3257	44218
		HEM	6	10	13/32	3	8	5/16	45	1-3/4	R32-45B6-3039	44247
		CP	6	10	13/32	3	8	5/16	45	1-3/4	R32-45B6CP-3040	44249
		BAL	6	10	13/32	3	8	5/16	45	1-3/4	R32-45B6B-3041	44248
		HEM	6	10	13/32	3	8	5/16	48	1-7/8	R32-48B6-3066	44230
		CP	6	10	13/32	3	8	5/16	48	1-7/8	R32-48B6CP-3112	44219
BAL	6	10	13/32	3	8	5/16	48	1-7/8	R32-48B6B-3197	44231		
7	 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
HEM	8	10	13/32	4	10	13/32	64	2-1/2	R32-64BF-011	44571		
BAL	8	10	13/32	4	10	13/32	64	2-1/2	R32-64BFB-1392	44572		
8	 2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
HEM	8	11	7/16	6	11	7/16	76	3	R32-76BF-017	44731		
BAL	8	11	7/16	6	11	7/16	76	3	R32-76BFB-1544	44725		
9	 3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
		HEM	6	10	13/32	3	10	13/32	64	2-1/2	R32-64BDC-1456	44573
		BAL	6	10	13/32	1	9	11/32	64	2-1/2	R32-64BDCB-1457	44574
		HEM	6	12.7	1/2	3	10	13/32	64	2-1/2	R32-64BDCB-1457	44574
		BAL	6	12.7	1/2	1	9	11/32	64	2-1/2	R32-64BDCB-1457	44574
		HEM	6	12.7	1/2	3	11	7/16	76	3	R32-76BDC-777	44577
BAL	6	12.7	1/2	1	9.5	3/8	76	3	R32-76BDCB-775	44578		
HEM	6	14	9/16	3	12.7	1/2	89	3-1/2	R32-89BDC-1250	44579		
BAL	6	14	9/16	2	9.5	3/8	89	3-1/2	R32-89BDC-1250	44579		
BAL	6	14	9/16	3	12.7	1/2	89	3-1/2	R32-89BDCB-1362	44580		
BAL	6	14	9/16	2	9.5	3/8	89	3-1/2	R32-89BDCB-1362	44580		

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.




# THREADED BITS




R32 1-1/4" ROPE THREAD (CONTINUED)												
NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
10		HEM	6	9	11/32	3	9	11/32	48	1-7/8	R32-48BFRT-1763	44540
		BAL	6	9	11/32	3	9	11/32	48	1-7/8	R32-48BFRTB-1742	44542
		HEM	6	10	13/32	3	9.5	3/8	51	2	R32-51BFRT-1331	41174
		BAL	6	10	13/32	3	9.5	3/8	51	2	R32-51BFRTB-1486	44758
		BAL	6	10	13/32	3	9.5	3/8	54	2-1/8	R32-54BFRTB-3276	44216
		HEM	6	10	13/32	3	10	13/32	57	2-1/4	R32-57BFRT-1337	41173
		BAL	6	10	13/32	3	10	13/32	57	2-1/4	R32-57BFRTB-1546	44806
11		HEM	8	10	13/32	4	10	13/32	64	2-1/2	R32-64BFRT-2634	44666
		BAL	8	10	13/32	4	10	13/32	64	2-1/2	R32-64BFRTB-2331	44780
12		HEM	8	11	7/16	6	11	7/16	76	3	R32-76BFRT-2635	44732
		BAL	8	11	7/16	6	11	7/16	76	3	R32-76BFRTB-2339	44873
13		HEM	6	10	13/32	3	10	13/32	64	2-1/2	R32-64BRTDC-2636	44874
						1	9	11/32				
		BAL	6	10	13/32	3	10	13/32	64	2-1/2	R32-64BRTDCB-2637	44875
						1	9	11/32				
		HEM	6	12.7	1/2	3	11	7/16	76	3	R32-76BRTDC-4082	44799
						1	9.5	3/8				
14		HEM	8	11	7/16	4	11	7/16	89	3-1/2	R32-89BRTDC-3895	41192
						2	9.5	3/8				
		CON	8	11	7/16	4	11	7/16	89	3-1/2	R32-89BRTDCC-3000	41185
						2	9.5	3/8				

XR32 1-1/4" ROPE THREAD (ROCKMORE XR32 THREAD SYSTEM)													
NO.	B3 DESIGN	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA	
			No.	mm	In.	No.	mm	In.	mm	In.			
1		HEM	6	10	13/32	3	8	5/16	45	1-3/4	XR32-45B3-2518	44269	
		BAL	6	10	13/32	3	8	5/16	45	1-3/4	XR32-45B3B-2448	44270	
2		HEM	6	10	13/32	3	8	5/16	45	1-3/4	XR32-45B6-3062	44244	
		BAL	6	10	13/32	3	8	5/16	45	1-3/4	XR32-45B6B-3198	44245	
		HEM	6	10	13/32	3	8	5/16	48	1-7/8	XR32-48B6-3411	44184	
		BAL	6	10	13/32	3	8	5/16	48	1-7/8	XR32-48B6B-3410	44185	


**CARBIDE PROFILE DESIGNS**




Hemispherical




MultiPoint




(Semi) Ballistic



(Semi) Ballistic MultiPoint



CrownPoint



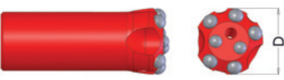
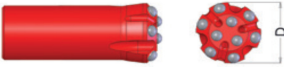
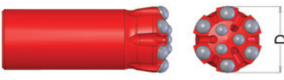
Conical

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## R35 1-3/8" ROPE THREAD

NO.	B2 DESIGN  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1		HEM	5	11	7/16	2	9	11/32	48	1-7/8	R35-48B2-3485	44454
		BAL	5	11	7/16	2	9	11/32	48	1-7/8	R35-48B2B-3701	44123
		HEM	5	12.7	1/2	2	9.5	3/8	51	2	R35-51B2-1934	44455
		BAL	5	12.7	1/2	2	9.5	3/8	51	2	R35-51B2B-1894	44268
NO.	B3 DESIGN  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2		BAL	6	10	13/32	3	8	5/16	45	1-3/4	R35-45B3B-3527	44151
		HEM	6	9	11/32	3	9	11/32	48	1-7/8	R35-48B3-1574	44833
		BAL	6	9	11/32	3	9	11/32	48	1-7/8	R35-48B3B-1662	44911
		BAL	6	10	13/32	3	8	5/16	48	1-7/8	R35-48B3B-2129	44381
		HEM	6	10	13/32	3	9.5	3/8	51	2	R35-51B3-1576	44834
		BAL	6	10	13/32	3	9.5	3/8	51	2	R35-51B3B-1671	44913
		BAL	6	10	13/32	3	10	13/32	57	2-1/4	R35-57B3B-4083	44479
NO.	B6 DESIGN  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3		BAL	6	10	13/32	3	8	5/16	45	1-3/4	R35-45B6B-3505	44159
		HEM	6	10	13/32	3	8	5/16	48	1-7/8	R35-48B6-3483	44171
		CP	6	10	13/32	3	8	5/16	48	1-7/8	R35-48B6CP-3121	44240

### CARBIDE PROFILE DESIGNS



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 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



T35 1-3/8"												
NO.	B3	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1		HEM	6	10	13/32	3	9.5	3/8	54	2-1/8	T35-54B3-3560	41140
		BAL	6	10	13/32	3	9.5	3/8	54	2-1/8	T35-54B3B-4084	41141
		HEM	6	10	13/32	3	10	13/32	57	2-1/4	T35-57B3-3558	41144
		BAL	6	11	7/16	3	10	13/32	57	2-1/4	T35-57B3B-4085	41145
3 FRONT FLUSHING HOLES												
NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2		HEM	6	10	13/32	3	9.5	3/8	54	2-1/8	T35-54BFRT-3561	41142
		BAL	6	10	13/32	3	9.5	3/8	54	2-1/8	T35-54BFRTB-4041	41143
		HEM	6	10	13/32	3	10	13/32	57	2-1/4	T35-57BFRT-3559	41146
		BAL	6	11	7/16	3	10	13/32	57	2-1/4	T35-57BFRTB-4042	41147
3 FRONT FLUSHING HOLES												
NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3		BAL	8	10	13/32	4	10	13/32	64	2-1/2	T35-64BFRTB-4314	16011
2 FRONT FLUSHING HOLES												
NO.	DROP CENTER - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
4		BAL	8	11	7/16	4	10	13/32	76	3	T35-76BRTDCB-4315	16013
						1	10	13/32				
3 FRONT FLUSHING HOLES												
NO.	DROP CENTER - XTRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
5		HEM	6	10	13/32	3	9	11/32	60	2-3/8	T35-60BRTDC-4273	16081
3 FRONT FLUSHING HOLES												

## CARBIDE PROFILE DESIGNS




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 Note: Some button bits may not be offered with a particular carbide design shown above.

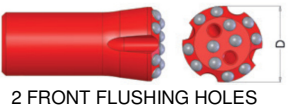
# THREADED BITS



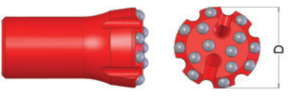
## R38 1-1/2" ROPE THREAD

NO.	X MULTI - USE  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER	
		W			H			D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.	mm	In.		
1		12	15/32	20.6	13/16	64	2-1/2			R38-64X-352	49653
		12.7	1/2	25	1	70	2-3/4			R38-70XHD-422	49621
		12.7	1/2	25	1	76	3			R38-76XHD-427	49622
		12.7	1/2	25	1	89	3-1/2			R38-89XHD-425	49623
		16	5/8	25	1	102	4			R38-102XHD-426	49663

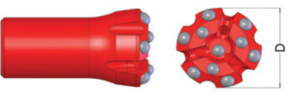
  

NO.	FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2		HEM	8	10	13/32	4	10	13/32	64	2-1/2	R38-64BF-747	44687
		BAL	8	10	13/32	4	10	13/32	64	2-1/2	R38-64BFB-1552	44876

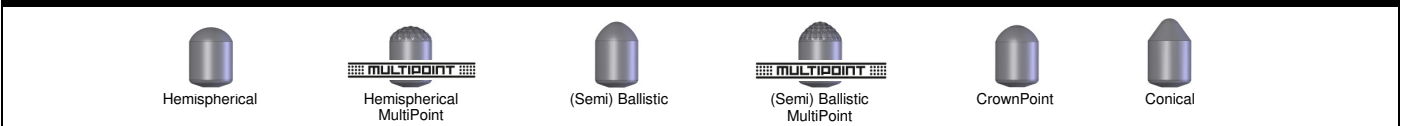
  

NO.	FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3		HEM	8	11	7/16	6	11	7/16	76	3	R38-76BF-1436	44682
		BAL	8	11	7/16	6	11	7/16	76	3	R38-76BFB-1553	44877
		HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	R38-89BF-1554	44508
		BAL	8	12.7	1/2	6	12.7	1/2	89	3-1/2	R38-89BFB-1555	44878
		HEM	8	14	9/16	6	14	9/16	102	4	R38-102BF-1385	44630
		BAL	8	14	9/16	6	14	9/16	102	4	R38-102BFB-1556	44879

NO.	DROP CENTER  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA	
			No.	mm	In.	No.	mm	In.	mm	In.			
4		HEM	6	10	13/32	3	10	13/32	64	2-1/2	R38-64BDC-1557	44880	
		BAL	6	10	13/32	1	9	11/32	64	2-1/2	R38-64BDCB-1558	44881	
		HEM	6	11	7/16	3	11	7/16	70	2-3/4	R38-70BDC-181	44575	
		BAL	6	11	7/16	1	9.5	3/8	70	2-3/4	R38-70BDCB-933	44576	
		HEM	6	12.7	1/2	3	11	7/16	76	3	R38-76BDC-429	44559	
		BAL	6	12.7	1/2	1	9.5	3/8	76	3	R38-76BDCB-776	44560	
		HEM	6	14	9/16	3	12.7	1/2	89	3-1/2	R38-89BDC-905	44561	
		BAL	6	14	9/16	2	9.5	3/8	89	3-1/2	R38-89BDCB-872	44562	

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

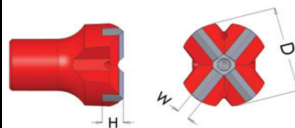
# THREADED BITS



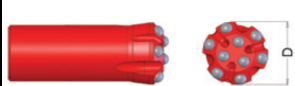
T38 1-1/2"

These bits are available optionally in XT38 thread for use in Rockmore's Vector Rod System.




NO.	X MULTI - USE  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER	
		W			H			D		USA	AUSTRIA
		mm	In.	mm	In.	mm	In.	mm	In.		
1		12	15/32	20.6	13/16	64	2-1/2	T38-64X-215	49644		
		12.7	1/2	25	1	70	2-3/4	T38-70XHD-152	49627		
		12.7	1/2	25	1	76	3	T38-76XHD-154	49628		
		12.7	1/2	25	1	89	3-1/2	T38-89XHD-155	49629		
		16	5/8	25	1	102	4	T38-102XHD-837	49689		

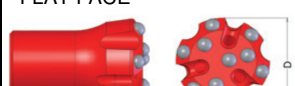
  

NO.	B3 DESIGN  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2		HEM	6	10	13/32	3	10	13/32	57	2-1/4	T38-57B3-1563	44884
		BAL	6	10	13/32	3	10	13/32	57	2-1/4	T38-57B3B-1564	44885
		HEM	6	11	7/16	3	11	7/16	64	2-1/2	T38-64B3-1470	44805
		HEM	6	12.7	1/2	3	11	7/16	64	2-1/2	T38-64B3-2383	44321
		BAL	6	11	7/16	3	11	7/16	64	2-1/2	T38-64B3B-1565	44886


  

NO.	FLAT FACE  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
3		HEM	6	11	7/16	3	9.5	3/8	57	2-1/4	T38-57BF-316	44842
		HEM	6	12.7	1/2	3	11	7/16	64	2-1/2	T38-64BF-692	44736
		CP	6	12.7	1/2	3	11	7/16	64	2-1/2	T38-64BF-2542	41134
		BAL	6	12.7	1/2	3	12.7	1/2	64	2-1/2	T38-64BFB-1413	44835


  

NO.	FLAT FACE  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
4		HEM	6	12.7	1/2	3	12.7	1/2	76	3	T38-76BF-2396	44380
		BAL	6	12.7	1/2	3	12.7	1/2	76	3	T38-76BFB-2631	44382
		HEM	6	14	9/16	4	14	9/16	89	3-1/2	T38-89BF-2633	44314
		BAL	6	14	9/16	4	14	9/16	89	3-1/2	T38-89BFB-2671	44315


  

NO.	FLAT FACE  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
5		HEM	6	12.7	1/2	5	11	7/16	70	2-3/4	T38-70BF-1223	44548
		HEM	6	12.7	1/2	5	11	7/16	76	3	T38-76BF-1290	44506
		BAL	6	12.7	1/2	5	11	7/16	76	3	T38-76BFB-1326	44658
		CON	6	12.7	1/2	5	11	7/16	76	3	T38-76BFC-2169	44256

NO.	FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
6		HEM	8	10	13/32	4	10	13/32	64	2-1/2	T38-64BF-020	44711
		BAL	8	10	13/32	4	10	13/32	64	2-1/2	T38-64BFB-280	44710
		HEM	8	10	13/32	4	10	13/32	70	2-3/4	T38-70BF-1187	44549

NO.	FLAT FACE  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
7		HEM	8	12.7	1/2	5	10	13/32	76	3	T38-76BF-3302	44131

CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## T38 1-1/2" (CONTINUED)

These bits are available optionally in XT38 thread for use in Rockmore's Vector Rod System.



NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA	
			No.	mm	In.	No.	mm	In.	mm	In.			
8		HEM	8	11	7/16	6	11	7/16	76	3	T38-76BF-027	44681	
		BAL	8	11	7/16	6	11	7/16	76	3	T38-76BFB-846	44680	
		HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T38-89BF-1292	44510	
		HEM	8	14	9/16	6	12.7	1/2	89	3-1/2	T38-89BF-2505	44134	
		BAL	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T38-89BFB-1445	44695	
		HEM	8	14	9/16	6	14	9/16	102	4	T38-102BF-1361	44631	
		BAL	8	14	9/16	6	14	9/16	102	4	T38-102BFB-1446	44620	
		HEM	8	16	5/8	6	14	9/16	115	4-1/2	T38-115BF-1448	44790	
9		HEM	9	11	7/16	8	10	13/32	89	3-1/2	T38-89BF-1484	44860	
		BAL	9	11	7/16	8	10	13/32	89	3-1/2	T38-89BFB-1566	44888	
		HEM	9	12.7	1/2	8	12.7	1/2	102	4	T38-102BF-1567	44889	
		BAL	9	12.7	1/2	8	12.7	1/2	102	4	T38-102BFB-1568	44890	
		HEM	9	14	9/16	9	12.7	1/2	115	4-1/2	T38-115BF-1569	44891	
10		HEM	6	10	13/32	3	10	13/32	64	2-1/2	T38-64BDC-1454	44518	
		1				9	11/32						
		BAL	6	10	13/32	3	10	13/32	64	2-1/2	T38-64BDCB-1455	44519	
		1				9	11/32						
		HEM	6	11	7/16	3	11	7/16	70	2-3/4	T38-70BDC-025	44520	
		1				9.5	3/8						
		BAL	6	11	7/16	3	11	7/16	70	2-3/4	T38-70BDCB-656	44521	
		1				9.5	3/8						
		HEM	6	12.7	1/2	3	11	7/16	76	3	T38-76BDC-028	44714	
		1				9.5	3/8						
		CP	6	12.7	1/2	3	11	7/16	76	3	T38-76BDCCP-2420	44722	
		1				9.5	3/8						
		BAL	6	12.7	1/2	3	11	7/16	76	3	T38-76BDCB-1462	44859	
		1				9.5	3/8						
HEM	6	14	9/16	3	12.7	1/2	89	3-1/2	T38-89BDC-799	44522			
2				9.5	3/8								
BAL	6	14	9/16	3	12.7	1/2	89	3-1/2	T38-89BDCB-1464	44523			
2				9.5	3/8								
11		HEM	8	11	7/16	4	10	13/32	76	3	T38-76BDC-1149	44604	
		1				10	13/32						
		BAL	8	11	7/16	4	10	13/32	76	3	T38-76BDCB-1319	44605	
		1				10	13/32						
		HEM	8	11	7/16	4	11	7/16	89	3-1/2	T38-89BDC-1143	44606	
		2				9.5	3/8						
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	T38-89BDCB-1321	44607	
		2				9.5	3/8						
		HEM	8	14	9/16	4	12.7	1/2	102	4	T38-102BDC-1365	44608	
		3				11	7/16						
BAL	8	14	9/16	4	12.7	1/2	102	4	T38-102BDCB-1450	44609			
3				11	7/16								

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## T38 1-1/2" (CONTINUED)

These bits are available optionally in XT38 thread for use in Rockmore's Vector Rod System.



NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
12		HEM	6	11	7/16	3	9.5	3/8	57	2-1/4	T38-57BFRT-2401	44035
		HEM	6	12.7	1/2	3	11	7/16	64	2-1/2	T38-64BFRT-2145	41175
1 FRONT FLUSHING HOLE												
13		HEM	6	12.7	1/2	3	11	7/16	64	2-1/2	T38-64BFRT-3119	44153
		HEM	6	12.7	1/2	3	12.7	1/2	76	3	T38-76BFRT-2672	44316
		BAL	6	12.7	1/2	3	12.7	1/2	76	3	T38-76BFRTB-2673	44317
		HEM	6	14	9/16	4	14	9/16	89	3-1/2	T38-89BFRT-2674	44318
		BAL	6	14	9/16	4	14	9/16	89	3-1/2	T38-89BFRTB-2675	44319
3 FRONT FLUSHING HOLES												
14		HEM	8	10	13/32	4	10	13/32	64	2-1/2	T38-64BFRT-2126	44686
		BAL	8	10	13/32	4	10	13/32	64	2-1/2	T38-64BFRTB-2108	44669
2 FRONT FLUSHING HOLES												
15		HEM	8	12.7	1/2	5	10	13/32	76	3	T38-76BFRT-3274	44132
4 FRONT FLUSHING HOLES												
16		HEM	8	11	7/16	6	11	7/16	76	3	T38-76BFRT-2187	44685
		BAL	8	11	7/16	6	11	7/16	76	3	T38-76BFRTB-1925	44655
		HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T38-89BFRT-2114	41129
		HEM	8	14	9/16	6	12.7	1/2	89	3-1/2	T38-89BFRT-3611	44135
		BAL	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T38-89BFRTB-2121	44892
		HEM	8	14	9/16	6	14	9/16	102	4	T38-102BFRT-2244	44893
		BAL	8	14	9/16	6	14	9/16	102	4	T38-102BFRTB-2638	44894
2 FRONT FLUSHING HOLES												
17		HEM	6	10	13/32	3	10	13/32	64	2-1/2	T38-64BRTDC-2107	44850
						1	9	11/32				
		BAL	6	10	13/32	3	10	13/32	64	2-1/2	T38-64BRTDCB-194	44846
						1	9	11/32				
		HEM	6	11	7/16	3	11	7/16	70	2-3/4	T38-70BRTDC-2639	44895
						1	9.5	3/8				
		BAL	6	11	7/16	3	11	7/16	70	2-3/4	T38-70BRTDCB-2640	44896
						1	9.5	3/8				
		HEM	6	12.7	1/2	3	11	7/16	76	3	T38-76BRTDC-2641	44600
						1	9.5	3/8				
		BAL	6	12.7	1/2	3	11	7/16	76	3	T38-76BRTDCB-2475	44601
						1	9.5	3/8				
HEM	6	14	9/16	3	12.7	1/2	89	3-1/2	T38-89BRTDC-2630	44971		
				2	9.5	3/8						
BAL	6	14	9/16	3	12.7	1/2	89	3-1/2	T38-89BRTDCB-2476	44972		
				2	9.5	3/8						
3 FRONT FLUSHING HOLES												

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

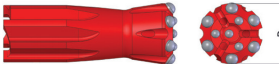

# THREADED BITS



## T38 1-1/2" (CONTINUED)

These bits are available optionally in XT38 thread for use in Rockmore's Vector Rod System.



NO.	DROPCENTER - XTRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
18	 3 FRONT FLUSHING HOLES	HEM	6	12.7	1/2	3	9	11/32	64	2-1/2	T38-64BRTDC-4185	16082
						1	9	11/32				
NO.	DROPCENTER - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
19	 4 FRONT FLUSHING HOLES	HEM	8	11	7/16	4	10	13/32	76	3	T38-76BRTDC-2142	44751
		BAL	8	11	7/16	4	10	13/32	76	3	T38-76BRTDCB-865	44828
						1	10	13/32				
		HEM	8	11	7/16	4	11	7/16	89	3-1/2	T38-89BRTDC-2642	44897
						2	9.5	3/8				
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	T38-89BRTDCB-2643	44898
						2	9.5	3/8				
		HEM	8	14	9/16	4	12.7	1/2	102	4	T38-102BRTDC-2532	44899
3	11					7/16						
BAL	8	14	9/16	4	12.7	1/2	102	4	T38-102BRTDCB-2644	44900		
				3	11	7/16						

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



# THREADED BITS



T45 1-3/4"

These bits are available optionally in XT45 thread for use in Rockmore's Vector Rod System.



NO.	X MULTI - USE	CARBIDE DIMENSIONS				DIAMETER		PART NUMBER				
		W		H		D		USA	AUSTRIA			
		mm	In.	mm	In.	mm	In.					
1		12.7	1/2	25	1	76	3	T45-76XHD-312	49634			
		12.7	1/2	25	1	89	3-1/2	T45-89XHD-353	49635			
		16	5/8	25	1	102	4	T45-102XHD-305	49642			
NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.			D		USA	AUSTRIA	
		No.	mm	In.	No.	mm	In.	mm	In.			
2		HEM	6	12.7	1/2	3	12.7	1/2	76	3	T45-76BF-2395	44341
		BAL	6	12.7	1/2	3	12.7	1/2	76	3	T45-76BFB-2632	44320
		HEM	6	14	9/16	4	14	9/16	89	3-1/2	T45-89BF-1947	44401
		BAL	6	14	9/16	4	14	9/16	89	3-1/2	T45-89BFB-1948	44402
NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.			D		USA	AUSTRIA	
		No.	mm	In.	No.	mm	In.	mm	In.			
3		HEM	8	12.7	1/2	5	10	13/32	76	3	T45-76BF-3267	44220
		BAL	8	12.7	1/2	5	10	13/32	76	3	T45-76BFB-3850	41156
		BAL	8	12.7	1/2	5	12.7	1/2	89	3-1/2	T45-89BFB-3614	44040
NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.			D		USA	AUSTRIA	
		No.	mm	In.	No.	mm	In.	mm	In.			
4		HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T45-89BF-3959	41157
		HEM	8	14	9/16	6	12.7	1/2	102	4	T45-102BF-4006	44016
NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.			D		USA	AUSTRIA	
		No.	mm	In.	No.	mm	In.	mm	In.			
5		HEM	8	11	7/16	6	11	7/16	76	3	T45-76BF-040	44693
		BAL	8	11	7/16	6	11	7/16	76	3	T45-76BFB-274	44774
		HEM	8	12.7	1/2	6	11	7/16	82	3-1/4	T45-82BF-2797	44456
		BAL	8	12.7	1/2	6	11	7/16	82	3-1/4	T45-82BFB-2124	44388
		HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T45-89BF-1157	44553
		HEM	8	14	9/16	6	12.7	1/2	89	3-1/2	T45-89BF-2585	44696
		BAL	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T45-89BFB-1327	44663
		HEM	8	14	9/16	6	14	9/16	102	4	T45-102BF-1057	44635
		BAL	8	14	9/16	6	14	9/16	102	4	T45-102BFB-1447	44634
		HEM	8	16	5/8	6	14	9/16	115	4-1/2	T45-115BF-1449	44557
		HEM	8	16	5/8	8	14	9/16	127	5	T45-127BF-328	44773
		BAL	8	16	5/8	8	16	5/8	152	6	T45-152BFB-3278	45761
		NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER
CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
		No.	mm	In.	No.	mm	In.	mm	In.			
6		HEM	9	11	7/16	8	10	13/32	89	3-1/2	T45-89BF-1459	44853
		BAL	9	11	7/16	8	10	13/32	89	3-1/2	T45-89BFB-1580	44854
		HEM	9	12.7	1/2	8	12.7	1/2	102	4	T45-102BF-1460	44861
		BAL	9	12.7	1/2	8	12.7	1/2	102	4	T45-102BFB-1581	44862
		HEM	9	14	9/16	9	12.7	1/2	115	4-1/2	T45-115BF-1582	44901
		HEM	9	14	9/16	9	14	9/16	127	5	T45-127BF-1583	44902

CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

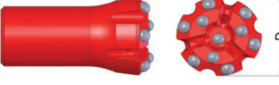
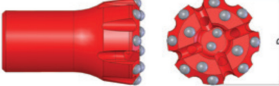

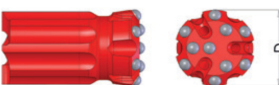
# THREADED BITS



## T45 1-3/4" (CONTINUED)

These bits are available optionally in XT45 thread for use in Rockmore's Vector Rod System.



NO.	DROP CENTER	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.				
7		HEM	6	11	7/16	3	11	7/16	70	2-3/4	T45-70BDC-932	44591		
		BAL	6	11	7/16	3	11	7/16	70	2-3/4	T45-70BDCB-175	44592		
		HEM	6	12.7	1/2	3	11	7/16	76	3	T45-76BDC-042	44744		
		BAL	6	12.7	1/2	3	11	7/16	76	3	T45-76BDCB-1463	44781		
		HEM	6	14	9/16	3	12.7	1/2	89	3-1/2	T45-89BDC-048	44593		
		BAL	6	14	9/16	3	12.7	1/2	89	3-1/2	T45-89BDCB-1465	44594		
8		HEM	8	11	7/16	4	10	13/32	76	3	T45-76BDC-1148	44863		
		BAL	8	11	7/16	4	10	13/32	76	3	T45-76BDCB-1316	44864		
		HEM	8	11	7/16	4	11	7/16	83	3-1/4	T45-83BDC-2938	44260		
		BAL	8	11	7/16	4	11	7/16	83	3-1/4	T45-83BDCB-2939	44261		
		HEM	8	11	7/16	4	11	7/16	89	3-1/2	T45-89BDC-1142	44818		
		HEM	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T45-89BDC-3987	44008		
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	T45-89BDCB-1318	44819		
		BAL	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T45-89BDCB-3995	44004		
		HEM	8	14	9/16	4	12.7	1/2	102	4	T45-102BDC-1131	44820		
		BAL	8	14	9/16	4	12.7	1/2	102	4	T45-102BDCB-1451	44865		
		HEM	8	14	9/16	4	14	9/16	115	4-1/2	T45-115BDC-329	44866		
		9		HEM	6	11	7/16	5	11	7/16	70	2-3/4	T45-70BSD-597	44524
				BAL	6	11	7/16	5	11	7/16	70	2-3/4	T45-70BSDB-977	44525
				HEM	6	11	7/16	5	11	7/16	76	3	T45-76BSD-338	44526
BAL	6			11	7/16	5	11	7/16	76	3	T45-76BSDB-271	44998		
HEM	6			14	9/16	5	12.7	1/2	89	3-1/2	T45-89BSD-307	44595		
BAL	6			14	9/16	5	12.7	1/2	89	3-1/2	T45-89BSDB-785	44596		
10		HEM	6	12.7	1/2	3	12.7	1/2	76	3	T45-76BFRT-2676	44311		
		BAL	6	12.7	1/2	3	12.7	1/2	76	3	T45-76BFRTB-2677	44312		
		HEM	6	14	9/16	4	14	9/16	89	3-1/2	T45-89BFRT-2645	44403		
		BAL	6	14	9/16	4	14	9/16	89	3-1/2	T45-89BFRTB-2646	44404		

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

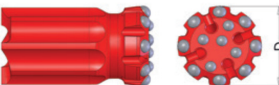
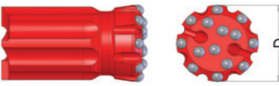

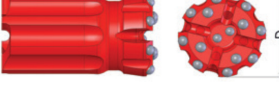
# THREADED BITS



## T45 1-3/4" (CONTINUED)

These bits are available optionally in XT45 thread for use in Rockmore's Vector Rod System.



NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
			No.	mm	In.	No.	mm	In.	mm	In.				
11		HEM	8	12.7	1/2	5	10	13/32	76	3	T45-76BFRT-3282	44133		
		HEM	8	12.7	1/2	5	12.7	1/2	89	3-1/2	T45-89BFRT-4088	44144		
12		HEM	8	11	7/16	6	11	7/16	76	3	T45-76BFRT-1923	44684		
		BAL	8	11	7/16	6	11	7/16	76	3	T45-76BFRTB-1924	44692		
		BAL	8	12.7	1/2	6	11	7/16	82	3-1/4	T45-82BFRTB-2246	44384		
		CON	8	12.7	1/2	6	11	7/16	82	3-1/4	T45-82BFRTC-4087	44331		
		HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T45-89BFRT-2097	44622		
		HEM	8	14	9/16	6	12.7	1/2	89	3-1/2	T45-89BFRT-2577	44399		
		BAL	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T45-89BFRTB-2043	44654		
		HEM	8	14	9/16	6	14	9/16	102	4	T45-102BFRT-2045	44641		
		BAL	8	14	9/16	6	14	9/16	102	4	T45-102BFRTB-327	44657		
		HEM	8	16	5/8	6	14	9/16	115	4-1/2	T45-115BFRT-2546	44554		
		HEM	8	16	5/8	8	14	9/16	127	5	T45-127BFRT-2647	44903		
		13		HEM	6	11	7/16	3	11	7/16	70	2-3/4	T45-70BRTDC-2648	44904
				BAL	6	11	7/16	3	11	7/16	70	2-3/4	T45-70BRTDCB-2649	44905
				HEM	6	12.7	1/2	3	11	7/16	76	3	T45-76BRTDC-2175	44552
BAL	6			12.7	1/2	3	11	7/16	76	3	T45-76BRTDCB-2411	44906		
HEM	6			14	9/16	3	12.7	1/2	89	3-1/2	T45-89BRTDC-2241	44973		
BAL	6			14	9/16	3	12.7	1/2	89	3-1/2	T45-89BRTDCB-2313	44974		
HEM	6			11	7/16	1	9.5	3/8						
BAL	6			11	7/16	1	9.5	3/8						
HEM	6			12.7	1/2	1	9.5	3/8						
BAL	6			12.7	1/2	1	9.5	3/8						
HEM	6			14	9/16	2	9.5	3/8						
BAL	6			14	9/16	2	9.5	3/8						
14		HEM	8	11	7/16	4	10	13/32	76	3	T45-76BRTDC-1926	44814		
		BAL	8	11	7/16	4	10	13/32	76	3	T45-76BRTDCB-862	44822		
		HEM	8	11	7/16	4	11	7/16	89	3-1/2	T45-89BRTDC-1927	44801		
		HEM	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T45-89BRTDC-4001	41135		
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	T45-89BRTDCB-861	44745		
		BAL	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T45-89BRTDCB-4002	41136		
		HEM	8	14	9/16	4	12.7	1/2	102	4	T45-102BRTDC-2484	44907		
		BAL	8	14	9/16	4	12.7	1/2	102	4	T45-102BRTDCB-21	44823		
		HEM	8	14	9/16	4	14	9/16	115	4-1/2	T45-115BRTDC-2650	44556		
		HEM	8	16	5/8	4	16	5/8	127	5	T45-127BRTDC-2651	44995		
		HEM	8	11	7/16	1	10	13/32						
		BAL	8	11	7/16	1	10	13/32						
		HEM	8	11	7/16	2	9.5	3/8						
		BAL	8	11	7/16	2	9.5	3/8						

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

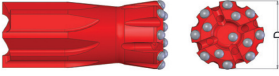
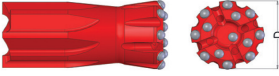
# THREADED BITS



## T45 1-3/4" (CONTINUED)

These bits are available optionally in XT45 thread for use in Rockmore's Vector Rod System.



NO.	DROP CENTER - XTRAC    4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
15		HEM	8	11	7/16	4	10	13/32	76	3	T45-76BRTDC-4214	16083
		BAL	8	11	7/16	4	10	13/32	76	3	T45-76BRTDCB-4052	41197
		HEM	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T45-89BRTDC-3919	16084
		BAL	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T45-89BRTDCB-3989	41198

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

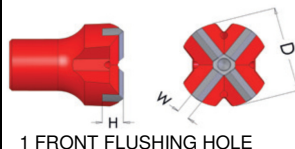
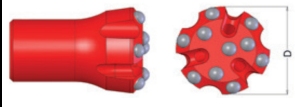
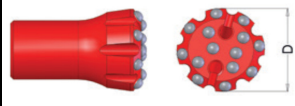
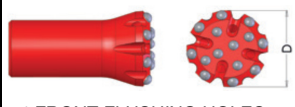
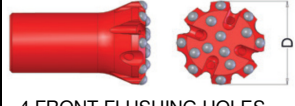
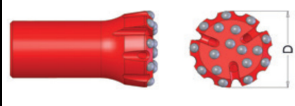
# THREADED BITS



T51 2"

These bits are available optionally in XT51 thread for use in Rockmore's Vector Rod System.



NO.	X MULTI - USE  1 FRONT FLUSHING HOLE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		W			H			D		USA	AUSTRIA			
		mm	In.	mm	In.	mm	In.	mm	In.					
1		12.7	1/2	25	1	89	3-1/2			T51-89XHD-911	49636			
		16	5/8	25	1	102	4			T51-102XHD-182	49693			
		16	5/8	25	1	115	4-1/2			T51-115XHD-157	49694			
NO.	FLAT FACE  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
		No.	mm	In.	No.	mm	In.	mm	In.					
2		HEM	6	14	9/16	4	14	9/16	89	3-1/2	T51-89BF-1951	44405		
		BAL	6	14	9/16	4	14	9/16	89	3-1/2	T51-89BFB-1952	44406		
NO.	FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
		No.	mm	In.	No.	mm	In.	mm	In.					
		3		HEM	8	12.7	1/2	6	11	7/16	82	3-1/4	T51-82BF-1887	44457
				BAL	8	12.7	1/2	6	11	7/16	82	3-1/4	T51-82BFB-2123	44389
				HEM	8	12.7	1/2	6	11	7/16	85	3-3/8	T51-85BF-1889	44443
		4		BAL	8	12.7	1/2	6	11	7/16	85	3-3/8	T51-85BFB-2360	44343
				HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T51-89BF-1328	44638
				BAL	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T51-89BFB-1317	44765
				CON	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T51-89BFC-3796	44055
				HEM	8	14	9/16	6	14	9/16	102	4	T51-102BF-1330	44639
				BAL	8	14	9/16	6	14	9/16	102	4	T51-102BFB-1452	44762
				HEM	8	16	5/8	6	14	9/16	115	4-1/2	T51-115BF-1590	44640
				BAL	8	16	5/8	6	14	9/16	115	4-1/2	T51-115BFB-1444	44558
				HEM	8	16	5/8	8	14	9/16	127	5	T51-127BF-1591	44642
5		HEM	8	16	5/8	8	16	5/8	140	5-1/2	T51-140BF-1699	44988		
NO.	FLAT FACE  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
		No.	mm	In.	No.	mm	In.	mm	In.					
		4		HEM	8	12.7	1/2	5	12.7	1/2	89	3-1/2	T51-89BF-3575	44017
HEM	8			14	9/16	6	12.7	1/2	102	4	T51-102BF-1836	44467		
BAL	8			14	9/16	6	12.7	1/2	102	4	T51-102BFB-1837	44468		
NO.	FLAT FACE  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
		No.	mm	In.	No.	mm	In.	mm	In.					
		5		HEM	8	14	9/16	7	14	9/16	115	4-1/2	T51-115BF-1740	44970
				BAL	8	14	9/16	7	14	9/16	115	4-1/2	T51-115BFB-1838	44469
				HEM	8	16	5/8	7	14	9/16	121	4-3/4	T51-121BF-4090	44250
6		BAL	8	16	5/8	7	14	9/16	121	4-3/4	T51-121BFB-4091	44251		
		HEM	8	16	5/8	8	14	9/16	127	5	T51-127BF-1839	44470		
NO.	FLAT FACE  3 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER				
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA		
		No.	mm	In.	No.	mm	In.	mm	In.					
		6		HEM	9	11	7/16	8	10	13/32	89	3-1/2	T51-89BF-1389	44855
				BAL	9	11	7/16	8	10	13/32	89	3-1/2	T51-89BFB-1592	44856
				HEM	9	12.7	1/2	8	12.7	1/2	102	4	T51-102BF-1516	44857
		7		BAL	9	12.7	1/2	8	12.7	1/2	102	4	T51-102BFB-1594	44858
HEM	9			14	9/16	9	12.7	1/2	115	4-1/2	T51-115BF-1476	44909		
HEM	9			14	9/16	9	14	9/16	127	5	T51-127BF-1477	44910		

## CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

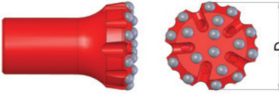
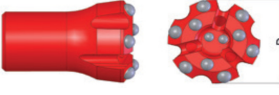
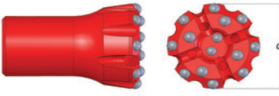
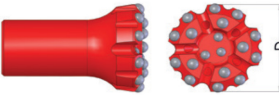
# THREADED BITS



## T51 2" (CONTINUED)

These bits are available optionally in XT51 thread for use in Rockmore's Vector Rod System.



NO.	DESCRIPTION	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
7	FLAT FACE, STARFLOW  5 FRONT FLUSHING HOLES	HEM	10	14	9/16	9	12.7	1/2	115	4-1/2	T51-115BF-3636	44080
		HEM	10	16	5/8	7	16	5/8	127	5	T51-127BF-3637	44081
		HEM	10	16	5/8	8	16	5/8	140	5-1/2	T51-140BF-3638	44082
8	DROP CENTER  3 FRONT FLUSHING HOLES	HEM	6	12.7	1/2	3	11	7/16	76	3	T51-76BDC-2610	44307
		BAL	6	12.7	1/2	3	11	7/16	76	3	T51-76BDCB-2621	44308
		HEM	6	12.7	1/2	3	11	7/16	80	3-1/8	T51-80BDC-255	44309
		BAL	6	12.7	1/2	3	11	7/16	80	3-1/8	T51-80BDCB-2678	44310
		HEM	6	14	9/16	3	12.7	1/2	89	3-1/2	T51-89BDC-1597	44871
		BAL	6	14	9/16	3	12.7	1/2	89	3-1/2	T51-89BDCB-1595	44872
9	DROP CENTER  4 FRONT FLUSHING HOLES	HEM	8	11	7/16	4	11	7/16	89	3-1/2	T51-89BDC-1329	44760
		HEM	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T51-89BDC-3934	44007
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	T51-89BDCB-1308	44759
		BAL	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T51-89BDCB-3999	44003
		HEM	8	14	9/16	4	12.7	1/2	102	4	T51-102BDC-1325	44764
		BAL	8	14	9/16	4	12.7	1/2	102	4	T51-102BDCB-1305	44763
		HEM	8	14	9/16	4	14	9/16	115	4-1/2	T51-115BDC-260	44610
		BAL	8	14	9/16	4	14	9/16	115	4-1/2	T51-115BDCB-051	44611
		HEM	8	16	5/8	4	16	5/8	127	5	T51-127BDC-2001	44849
		BAL	8	16	5/8	4	16	5/8	127	5	T51-127BDCB-900	44870
		HEM	8	16	5/8	4	16	5/8	140	5-1/2	T51-140BDC-1440	44989
		BAL	8	16	5/8	4	14	9/16				
10	DROP CENTER, STARFLOW  5 FRONT FLUSHING HOLES	HEM	10	14	9/16	5	12.7	1/2	115	4-1/2	T51-115BDC-3639	44086
		HEM	10	16	5/8	5	16	5/8	127	5	T51-127BDC-3640	44087
		HEM	10	16	5/8	5	16	5/8	140	5-1/2	T51-140BDC-3641	44088

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## T51 2" (CONTINUED)

These bits are available optionally in XT51 thread for use in Rockmore's Vector Rod System.



NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
11		HEM	6	14	9/16	4	14	9/16	89	3-1/2	T51-89BFRT-2652	44407
		BAL	6	14	9/16	4	14	9/16	89	3-1/2	T51-89BFRTB-2653	44408
3 FRONT FLUSHING HOLES												
12		BAL	8	12.7	1/2	6	11	7/16	82	3-1/4	T51-82BFRTB-2136	44386
		CON	8	12.7	1/2	6	11	7/16	82	3-1/4	T51-82BFRTC-4092	44770
		HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T51-89BFRT-2176	44645
		BAL	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T51-89BFRTB-2007	44691
		CON	8	12.7	1/2	6	12.7	1/2	89	3-1/2	T51-89BFRTC-2189	44496
		HEM	8	12.7	1/2	6	12.7	1/2	93	3-11/16	T51-93BFRT-3248	44223
		BAL	8	12.7	1/2	6	12.7	1/2	93	3-11/16	T51-93BFRTB-3247	44224
		BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	T51-95BFRTB-3185	44233
		HEM	8	14	9/16	6	14	9/16	102	4	T51-102BFRT-2122	44724
		BAL	8	14	9/16	6	14	9/16	102	4	T51-102BFRTB-187	44678
		HEM	8	16	5/8	6	14	9/16	115	4-1/2	T51-115BFRT-2654	44978
		HEM	8	16	5/8	8	14	9/16	127	5	T51-127BFRT-2655	44979
		HEM	8	16	5/8	8	16	5/8	140	5-1/2	T51-140BFRT-2656	44980
		2 FRONT FLUSHING HOLES										
13		HEM	8	12.7	1/2	5	12.7	1/2	89	3-1/2	T51-89BFRT-3571	44045
		BAL	8	12.7	1/2	5	12.7	1/2	89	3-1/2	T51-89BFRTB-3861	44028
		HEM	8	14	9/16	6	12.7	1/2	102	4	T51-102BFRT-2531	44471
		BAL	8	14	9/16	6	12.7	1/2	102	4	T51-102BFRTB-969	44472
4 FRONT FLUSHING HOLES												
14		HEM	8	14	9/16	6	12.7	1/2	102	4	T51-102BFRT-4035	16085
4 FRONT FLUSHING HOLES												
15		HEM	8	14	9/16	7	14	9/16	115	4-1/2	T51-115BFRT-2660	44473
		BAL	8	14	9/16	7	14	9/16	115	4-1/2	T51-115BFRTB-4089	44392
		HEM	8	16	5/8	8	14	9/16	127	5	T51-127BFRT-2661	44474
		CON	8	14	9/16	8	14	9/16	127	5	T51-127BFRTC-2897	44446
4 FRONT FLUSHING HOLES												
16		HEM	9	11	7/16	8	10	13/32	89	3-1/2	T51-89BFRT-2604	44960
		BAL	9	11	7/16	8	10	13/32	89	3-1/2	T51-89BFRTB-2172	44961
		HEM	9	12.7	1/2	8	12.7	1/2	102	4	T51-102BFRT-2483	44962
		BAL	9	12.7	1/2	8	12.7	1/2	102	4	T51-102BFRTB-250	44963
		CON	9	12.7	1/2	8	12.7	1/2	102	4	T51-102BFRTC-090	44383
		HEM	9	14	9/16	9	12.7	1/2	115	4-1/2	T51-115BFRT-2284	44964
		BAL	9	14	9/16	9	12.7	1/2	115	4-1/2	T51-115BFRTB-2930	44679
		HEM	9	14	9/16	9	14	9/16	127	5	T51-127BFRT-2659	44965
3 FRONT FLUSHING HOLES												

### CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

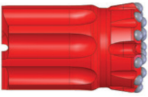
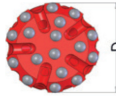
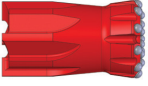
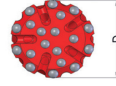

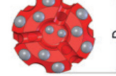

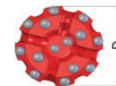
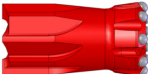
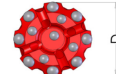
# THREADED BITS



T51 2" (CONTINUED)

These bits are available optionally in XT51 thread for use in Rockmore's Vector Rod System.



NO.	DESCRIPTION	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA	
			No.	mm	In.	No.	mm	In.	mm	In.			
17	FLAT FACE - RETRAC, STARFLOW   5 FRONT FLUSHING HOLES	HEM	10	14	9/16	9	12.7	1/2	115	4-1/2	T51-115BFRT-3630	44083	
		HEM	10	16	5/8	7	16	5/8	127	5	T51-127BFRT-3631	44084	
		HEM	10	16	5/8	8	16	5/8	140	5-1/2	T51-140BFRT-3632	44085	
18	FLAT FACE - XTRAC, STARFLOW   5 FRONT FLUSHING HOLES	HEM	10	14	9/16	9	12.7	1/2	115	4-1/2	T51-115BFRT-4236	16086	
		HEM	10	16	5/8	7	16	5/8	127	5	T51-127BFRT-3825	16088	
19	DROP CENTER - RETRAC   3 FRONT FLUSHING HOLES	HEM	6	14	9/16	3	12.7	1/2	89	3-1/2	T51-89BRTDC-2238	44975	
		BAL	6	14	9/16	2	9.5	3/8					
		BAL	6	14	9/16	3	12.7	1/2	89	3-1/2	T51-89BRTDCB-916	44976	
		BAL	6	14	9/16	2	9.5	3/8					
20	DROP CENTER - RETRAC   4 FRONT FLUSHING HOLES	HEM	8	11	7/16	4	11	7/16	89	3-1/2	T51-89BRTDC-2330	44761	
		HEM	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T51-89BRTDC-4003	41137	
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	T51-89BRTDCB-909	44746	
		BAL	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T51-89BRTDCB-4004	41138	
		CON	8	12.7	1/2	4	11	7/16	89	3-1/2	T51-89BRTDCC-2511	44336	
		BAL	8	12.7	1/2	4	12.7	1/2	93	3-11/16	T51-93BRTDCB-3409	44187	
		HEM	8	14	9/16	4	12.7	1/2	102	4	T51-102BRTDC-2662	44747	
		BAL	8	14	9/16	4	12.7	1/2	102	4	T51-102BRTDCB-210	44748	
		CON	8	14	9/16	4	12.7	1/2	102	4	T51-102BRTDCC-010	44749	
		HEM	8	14	9/16	4	14	9/16	115	4-1/2	T51-115BRTDC-2495	44982	
		HEM	8	16	5/8	4	16	5/8	127	5	T51-127BRTDC-2663	44983	
		HEM	8	16	5/8	4	16	5/8	140	5-1/2	T51-140BRTDC-2664	44984	
21	DROP CENTER - XTRAC   4 FRONT FLUSHING HOLES	HEM	8	12.7	1/2	4	12.7	1/2	89	3-1/2	T51-89BRTDC-3988	16109	
		HEM	8	16	5/8	4	12.7	1/2	102	4	T51-102BRTDC-3993	44006	
		BAL	8	16	5/8	4	12.7	1/2	102	4	T51-102BRTDCB-4034	44005	
		BAL	8	16	5/8	1	12.7	1/2					

CARBIDE PROFILE DESIGNS



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



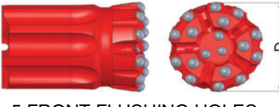
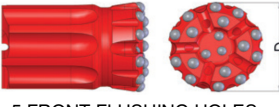
# THREADED BITS



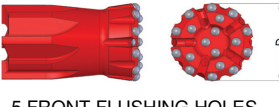
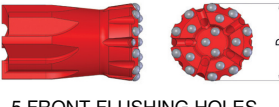
## T51 2" (CONTINUED)

These bits are available optionally in XT51 thread for use in Rockmore's Vector Rod System.

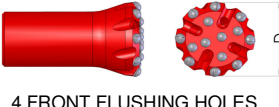
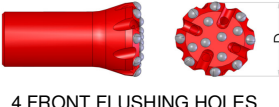


NO.	DROP CENTER - RETRAC, STARFLOW  5 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
22	 5 FRONT FLUSHING HOLES	HEM	10	14	9/16	5	12.7	1/2	115	4-1/2	T51-115BRTDC-3617	44089
		HEM	10	16	5/8	5	16	5/8	127	5	T51-127BRTDC-3633	44090
		HEM	10	16	5/8	5	16	5/8	140	5-1/2	T51-140BRTDC-3634	44091

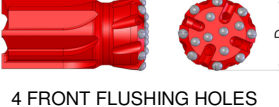
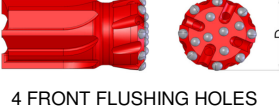
  

NO.	DROP CENTER - XTRAC, STARFLOW  5 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
23	 5 FRONT FLUSHING HOLES	HEM	10	14	9/16	5	12.7	1/2	115	4-1/2	T51-115BRTDC-4228	16087
		HEM	10	16	5/8	5	16	5/8	127	5	T51-127BRTDC-4065	16089

## T51 2" Xtreme Series (for extreme hard and abrasive rock conditions - with FA carbide)

NO.	FLAT FACE, XTREME  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
24	 4 FRONT FLUSHING HOLES	FA	8	14	9/16	6	12.7	1/2	102	4	T51-102BF-XTR	44439
		FA	8	14	9/16	7	14	9/16	115	4-1/2	T51-115BF-XTR	44440
		FA	8	16	5/8	8	14	9/16	127	5	T51-127BF-XTR	44351

NO.	FLAT FACE - RETRAC, XTREME  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
25	 4 FRONT FLUSHING HOLES	FA	8	14	9/16	6	12.7	1/2	102	4	T51-102BFRT-XTR	44348
		FA	8	14	9/16	7	14	9/16	115	4-1/2	T51-115BFRT-XTR	44349
		FA	8	16	5/8	8	14	9/16	127	5	T51-127BFRT-XTR	44350

### CARBIDE PROFILE DESIGNS



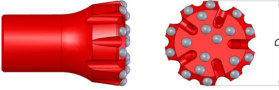
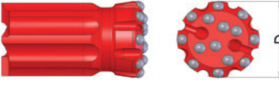
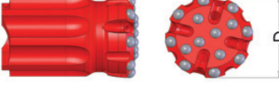
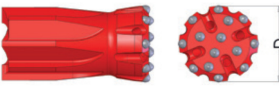
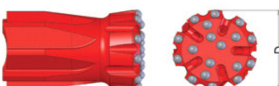
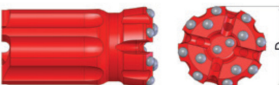
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## XT51 2" ROCKMORE Vector Rod System



NO.	DESCRIPTION	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1	FLAT FACE, STARFLOW  5 FRONT FLUSHING HOLES	HEM	10	16	5/8	8	16	5/8	140	5-1/2	XT51-140BF-4093	44051
		HEM	10	16	5/8	5	16	5/8	140	5-1/2	XT51-140BDC-4094	44053
3	FLAT FACE - RETRAC  2 FRONT FLUSHING HOLES	HEM	8	12.7	1/2	6	12.7	1/2	89	3-1/2	XT51-89BFRT-3292	44215
		CP	8	14	9/16	6	12.7	1/2	102	4	XT51-102BFRTCP-3324	44207
4	FLAT FACE - RETRAC  4 FRONT FLUSHING HOLES	CON	8	14	9/16	6	14	9/16	102	4	XT51-102BFRTC-3298	44213
		CP	8	12.7	1/2	6	12.7	1/2	102	4	XT51-102BFRTCP-3472	44174
5	FLAT FACE - XTRAC  4 FRONT FLUSHING HOLES	HEM / BAL	8	14	9/16	6	14	9/16	102	4	XT51-102BFRT-3554	44148
		CP	8	14	9/16	6	14	9/16	102	4	XT51-102BFRTCP-3491	44167
		BAL	8	12.7	1/2	6	12.7	1/2	102	4	XT51-102BFRTB-3473	44173
		BAL	8	14	9/16	6	14	9/16	102	4	XT51-102BFRTB-3492	44166
		CON	8	14	9/16	6	14	9/16	102	4	XT51-102BFRTC-3377	44194
		6	FLAT FACE - XTRAC, STARFLOW  5 FRONT FLUSHING HOLES	HEM	10	16	5/8	8	16	5/8	140	5-1/2
CON	8			11	7/16	4	11	7/16	89	3-1/2	XT51-89BRTDCC-3297	44212
7	DROP CENTER - RETRAC  4 FRONT FLUSHING HOLES				2	9.5	3/8					

### CARBIDE PROFILE DESIGNS



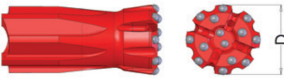
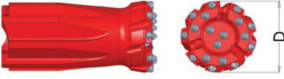
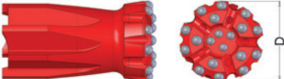
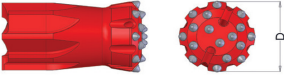
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## XT51 2" ROCKMORE Vector Rod System (CONTINUED)



NO.	DESCRIPTION	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
8	DROP CENTER - XTRAC  4 FRONT FLUSHING HOLES * = SPECIAL 1 SIDE HOLE	HEM	8	11	7/16	4	11	7/16	89	3-1/2	XT51-89BRTDC-3421 *	44214
		HEM	8	11	7/16	4	11	7/16	89	3-1/2	XT51-89BRTDC-4316	16111
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	XT51-89BRTDCB-3562 *	44146
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	XT51-89BRTDCB-4023	16110
		BAL	8	14	9/16	4	12.7	1/2	102	4	XT51-102BRTDCB-3670	16091
		BAL	8	16	5/8	4	16	5/8	115	4-1/2	XT51-115BRTDCB-4025	16094
		BAL	8	16	5/8	4	16	5/8	127	5	XT51-127BRTDCB-4027	16097
		BAL	8	16	5/8	3	12.7	1/2				
9	DROP CENTER - XTRAC  3 FRONT FLUSHING HOLES	BAL	9	10	13/32	6	10	13/32	94	3-11/16	XT51-94BRTDCB-3315	44121
		CON	9	10	13/32	6	10	13/32	94	3-11/16	XT51-94BRTDCC-3319	44203
10	DROP CENTER - XTRAC, STARFLOW  5 FRONT FLUSHING HOLES	HEM	10	16	5/8	5	12.7	1/2	115	4-1/2	XT51-115BRTDC-3663	16093
		HEM	10	16	5/8	5	16	5/8	127	5	XT51-127BRTDC-4292	16096
		HEM	10	16	5/8	5	16	5/8	140	5-1/2	XT51-140BRTDC-4096	44054
						4	14	9/16				
11	SEMI DOME - XTRAC  5 FRONT FLUSHING HOLES	CON	8	12.7	1/2	4	12.7	1/2	89	3-1/2	XT51-89BRTSDC-4024	16090
		CON	8	12.7	1/2	9	12.7	1/2	102	4	XT51-102BRTSDC-3668	16092
		CON	8	14	9/16	8	14	9/16	115	4-1/2	XT51-115BRTSDC-4026	16095
		CON	8	14	9/16	8	14	9/16	127	5	XT51-127BRTSDC-4028	16098

### CARBIDE PROFILE DESIGNS

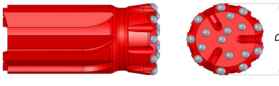
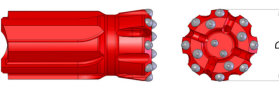


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 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## ST58 2-1/4"

NO.	FLAT FACE - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1	 3 FRONT FLUSHING HOLES	HEM	9	11	7/16	8	10	13/32	89	3-1/2	ST58-89BFRT-1713	44929
		BAL	9	11	7/16	8	10	13/32	89	3-1/2	ST58-89BFRTB-365	44930
		BAL	9	11	7/16	8	11	7/16	93	3-11/16	ST58-93BFRTB-1489	44921
		CON	9	12.7	1/2	8	11	7/16	93	3-11/16	ST58-93BFRTC-936	44493
		HEM	9	12.7	1/2	8	12.7	1/2	102	4	ST58-102BFRT-381	44931
		BAL	9	12.7	1/2	8	12.7	1/2	102	4	ST58-102BFRTB-424	44932
NO.	DROP CENTER - RETRAC	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
2	 4 FRONT FLUSHING HOLES	HEM	8	11	7/16	4	11	7/16	89	3-1/2	ST58-89BRTDC-367	44934
		BAL	8	11	7/16	4	11	7/16	89	3-1/2	ST58-89BRTDCB-368	44935
		BAL	8	12.7	1/2	4	12.7	1/2	93	3-11/16	ST58-93BRTDCB-3746	44916
		HEM	8	14	9/16	4	12.7	1/2	102	4	ST58-102BRTDC-438	44924
		BAL	8	14	9/16	4	12.7	1/2	102	4	ST58-102BRTDCB-257	44936
		HEM	8	14	9/16	4	14	9/16	115	4-1/2	ST58-115BRTDC-474	44937
		HEM	8	16	5/8	4	16	5/8	127	5	ST58-127BRTDC-089	44986
		HEM	8	16	5/8	3	12.7	1/2				
		HEM	8	16	5/8	3	12.7	1/2				

### CARBIDE PROFILE DESIGNS

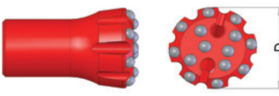
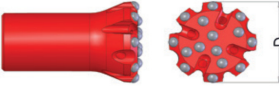
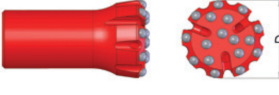
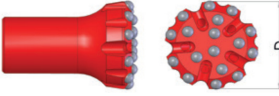
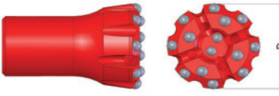


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 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## GT60 2-3/8"

NO.	FLAT FACE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER			
		CARBIDE DESIGN	GAUGE NO. X DIA.		FRONT NO. X DIA.		D		USA	AUSTRIA			
			No.	mm	In.	No.	mm	In.			mm	In.	
1		HEM	8	12.7	1/2	6	12.7	1/2	93	3-11/16	GT60-93BF-2708	44290	
		BAL	8	12.7	1/2	6	12.7	1/2	93	3-11/16	GT60-93BFB-2709	44289	
		HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	GT60-95BF-2710	44288	
		BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	GT60-95BFB-2711	44287	
2		HEM	8	14	9/16	6	12.7	1/2	102	4	GT60-102BF-2160	44359	
		HEM	8	16	5/8	6	12.7	1/2	102	4	GT60-102BF-3609	44136	
		BAL	8	14	9/16	6	12.7	1/2	102	4	GT60-102BFB-2161	44360	
		HEM	8	14	9/16	7	14	9/16	115	4-1/2	GT60-115BF-2162	44361	
		BAL	8	14	9/16	7	14	9/16	115	4-1/2	GT60-115BFB-2163	44362	
		HEM	8	16	5/8	8	14	9/16	127	5	GT60-127BF-2164	44363	
3		HEM	9	12.7	1/2	8	12.7	1/2	102	4	GT60-102BF-3717	44071	
		BAL	9	12.7	1/2	8	12.7	1/2	102	4	GT60-102BFB-3718	44072	
		HEM	9	14	9/16	9	12.7	1/2	115	4-1/2	GT60-115BF-3719	44075	
		HEM	9	14	9/16	9	14	9/16	127	5	GT60-127BF-3720	44077	
4		HEM	10	14	9/16	9	12.7	1/2	115	4-1/2	GT60-115BF-3642	44104	
		HEM	10	16	5/8	7	16	5/8	127	5	GT60-127BF-3643	44105	
		HEM	10	16	5/8	8	16	5/8	140	5-1/2	GT60-140BF-3644	44106	
		HEM	10	16	5/8	8	16	5/8	152	6	GT60-152BF-3947	44009	
5		HEM	8	12.7	1/2	4	12.7	1/2	93	3-11/16	GT60-93BDC-2085	44286	
						2	9.5	3/8					
		BAL	8	12.7	1/2	4	12.7	1/2	93	3-11/16	GT60-93BDCB-2712	44285	
						2	9.5	3/8					
		HEM	8	12.7	1/2	4	12.7	1/2	95	3-3/4	GT60-95BDC-2713	44284	
						2	9.5	3/8					
		BAL	8	12.7	1/2	4	12.7	1/2	95	3-3/4	GT60-95BDCB-2714	44283	
						2	9.5	3/8					
		HEM	8	14	9/16	4	12.7	1/2	102	4	GT60-102BDC-2086	44364	
						3	11	7/16					
		BAL	8	14	9/16	4	12.7	1/2	102	4	GT60-102BDCB-766	44365	
						3	11	7/16					
		HEM	8	14	9/16	4	14	9/16	115	4-1/2	GT60-115BDC-2087	44366	
						3	12.7	1/2					
		BAL	8	14	9/16	4	14	9/16	115	4-1/2	GT60-115BDCB-938	44367	
				3	12.7	1/2							
HEM	8	16	5/8	4	16	5/8	127	5	GT60-127BDC-1999	44368			
				3	12.7	1/2							
BAL	8	16	5/8	4	16	5/8	127	5	GT60-127BDCB-2064	44369			
				3	12.7	1/2							
HEM	8	16	5/8	4	16	5/8	140	5-1/2	GT60-140BDC-2000	44370			
				4	14	9/16							
HEM	8	16	5/8	6	16	5/8	152	6	GT60-152BDC-2342	44208			
				4	14	9/16							

### CARBIDE PROFILE DESIGNS

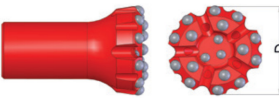
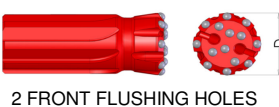
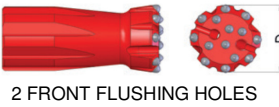
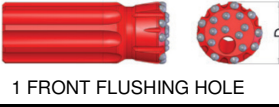
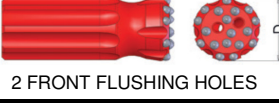
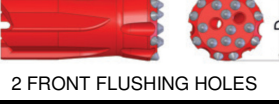
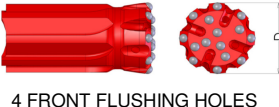
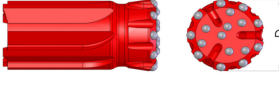


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# THREADED BITS



## GT60 2-3/8" (CONTINUED)

NO.	DROP CENTER, STARFLOW	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
6		HEM	10	14	9/16	5	12.7	1/2	115	4-1/2	GT60-115BDC-3645	44108
		HEM	10	16	5/8	5	16	5/8	127	5	GT60-127BDC-3646	44109
		HEM	10	16	5/8	5	16	5/8	140	5-1/2	GT60-140BDC-3647	44110
		HEM	10	16	5/8	5	16	5/8	152	6	GT60-152BDC-4190	16105
7	FLAT FACE - RETRAC 	HEM	8	12.7	1/2	6	12.7	1/2	93	3-11/16	GT60-93BFRT-2715	44282
		BAL	8	12.7	1/2	6	12.7	1/2	93	3-11/16	GT60-93BFRTB-2716	44281
		HEM	8	12.7	1/2	6	12.7	1/2	95	3-3/4	GT60-95BFRT-2717	44280
		BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	GT60-95BFRTB-2718	44279
8	FLAT FACE - XTRAC 	BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	GT60-95BFRTB-3506	44158
		BAL	8	14	9/16	6	12.7	1/2	102	4	GT60-102BFRTB-3653	44120
9	FLAT FACE - RETRAC 	BAL	9	12.7	1/2	9	11	7/16	93	3-11/16	GT60-93BFRTB-3177	44234
10	FLAT FACE - RETRAC 	BAL	9	12.7	1/2	9	12.7	1/2	93	3-11/16	GT60-93BFRTB-3516	44160
		CON	9	12.7	1/2	9	12.7	1/2	93	3-11/16	GT60-93BFRTC-3369	44196
11	FLAT FACE - XTRAC 	BAL	9	12.7	1/2	9	12.7	1/2	94	3-11/16	GT60-94BFRTB-3577	44143
12	FLAT FACE - RETRAC 	HEM	8	14	9/16	6	12.7	1/2	102	4	GT60-102BFRT-706	44371
		BAL	8	14	9/16	6	12.7	1/2	102	4	GT60-102BFRTB-19	44372
		HEM	8	14	9/16	7	14	9/16	115	4-1/2	GT60-115BFRT-721	44373
		BAL	8	14	9/16	7	14	9/16	115	4-1/2	GT60-115BFRTB-3499	44164
		HEM	8	16	5/8	8	14	9/16	127	5	GT60-127BFRT-763	44374
13	FLAT FACE - RETRAC 	BAL	9	12.7	1/2	8	11	7/16	93	3-11/16	GT60-93BFRTB-3723	44070
		HEM	9	12.7	1/2	8	12.7	1/2	102	4	GT60-102BFRT-3724	44073
		HEM	9	14	9/16	9	11	7/16	102	4	GT60-102BFRT-3514	44010
		BAL	9	12.7	1/2	8	12.7	1/2	102	4	GT60-102BFRTB-3725	44074
		HEM	9	14	9/16	9	12.7	1/2	115	4-1/2	GT60-115BFRT-3726	44076
		HEM	9	14	9/16	9	14	9/16	127	5	GT60-127BFRT-3727	44078
		HEM	9	16	5/8	9	16	5/8	127	5	GT60-127BFRT-3426	44079

### CARBIDE PROFILE DESIGNS

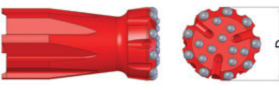
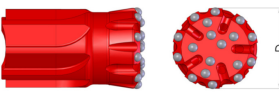
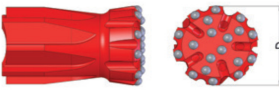
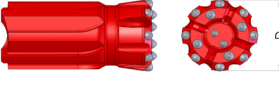
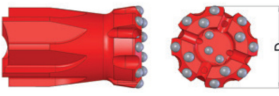


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 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## GT60 2-3/8" (CONTINUED)

NO.	DESCRIPTION	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
14	FLAT FACE - XTRAC  3 FRONT FLUSHING HOLES	HEM	9	16	5/8	9	12.7	1/2	115	4-1/2	GT60-115BFRT-3821	44039
		15	FLAT FACE - RETRAC, STARFLOW  5 FRONT FLUSHING HOLES	HEM	10	14	9/16	9	12.7	1/2	115	4-1/2
HEM	10			16	5/8	7	16	5/8	127	5	GT60-127BFRT-3423	44163
HEM	10			16	5/8	8	16	5/8	140	5-1/2	GT60-140BFRT-3635	44107
HEM	10			16	5/8	8	16	5/8	152	6	GT60-152BFRT-3552	44145
16	FLAT FACE - XTRAC, STARFLOW  5 FRONT FLUSHING HOLES	HEM	10	14	9/16	9	12.7	1/2	115	4-1/2	GT60-115BFRT-3859	44011
		HEM	10	16	5/8	7	16	5/8	127	5	GT60-127BFRT-3659	44114
		HEM	10	16	5/8	9	16	5/8	140	5-1/2	GT60-140BFRT-3860	44015
		HEM	10	16	5/8	8	16	5/8	152	6	GT60-152BFRT-3660	16103
17	DROP CENTER - RETRAC  4 FRONT FLUSHING HOLES	HEM	8	12.7	1/2	4	12.7	1/2	93	3-11/16	GT60-93BRTDC-999	44278
		BAL	8	12.7	1/2	4	12.7	1/2	93	3-11/16	GT60-93BRTDCB-2719	44277
						2	9.5	3/8				
		HEM	8	12.7	1/2	4	12.7	1/2	95	3-3/4	GT60-95BRTDC-2720	44276
						2	9.5	3/8				
		BAL	8	12.7	1/2	4	12.7	1/2	95	3-3/4	GT60-95BRTDCB-2705	44275
						2	9.5	3/8				
		CON	8	12.7	1/2	4	12.7	1/2	95	3-3/4	GT60-95BRTDCC-3331	44202
						2	9.5	3/8				
		HEM	8	14	9/16	4	12.7	1/2	102	4	GT60-102BRTDC-647	44375
						3	11	7/16				
		BAL	8	14	9/16	4	12.7	1/2	102	4	GT60-102BRTDCB-749	44376
3	11					7/16						
HEM	8	14	9/16	4	14	9/16	115	4-1/2	GT60-115BRTDC-759	44377		
				3	12.7	1/2						
BAL	8	14	9/16	4	14	9/16	115	4-1/2	GT60-115BRTDCB-761	44337		
				3	12.7	1/2						
HEM	8	16	5/8	4	16	5/8	127	5	GT60-127BRTDC-765	44378		
				3	12.7	1/2						
HEM	8	16	5/8	4	16	5/8	140	5-1/2	GT60-140BRTDC-18	44379		
				4	14	9/16						
18	DROP CENTER - XTRAC  4 FRONT FLUSHING HOLES	HEM	8	14	9/16	4	12.7	1/2	102	4	GT60-102BRTDC-4075	16099
		CON	8	12.7	1/2	4	12.7	1/2	102	4	GT60-102BRTDCC-3597	44138
						3	11	7/16				

### CARBIDE PROFILE DESIGNS

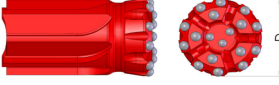
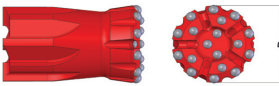


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 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## GT60 2-3/8" (CONTINUED)

NO.	DROP CENTER - RETRAC, STARFLOW	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
19	 5 FRONT FLUSHING HOLES	HEM	10	14	9/16	5 3	12.7 12.7	1/2 1/2	115	4-1/2	GT60-115BRTDC-3616	44111
		HEM	10	16	5/8	5 3	16 12.7	5/8 1/2	127	5	GT60-127BRTDC-3618	44112
		HEM	10	16	5/8	5 4	16 14	5/8 9/16	140	5-1/2	GT60-140BRTDC-3619	44113
NO.	DROP CENTER - XTRAC, STARFLOW	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
20	 5 FRONT FLUSHING HOLES	HEM	10	14	9/16	5 3	12.7 12.7	1/2 1/2	115	4-1/2	GT60-115BRTDC-4047	16100
		HEM	10	16	5/8	5 3	16 12.7	5/8 1/2	127	5	GT60-127BRTDC-4048	16101
		HEM	10	16	5/8	5 4	16 14	5/8 9/16	140	5-1/2	GT60-140BRTDC-4076	16102
		HEM	10	16	5/8	5 4	16 14	5/8 9/16	152	6	GT60-152BRTDC-4131	16104

### CARBIDE PROFILE DESIGNS






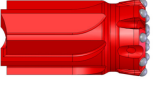




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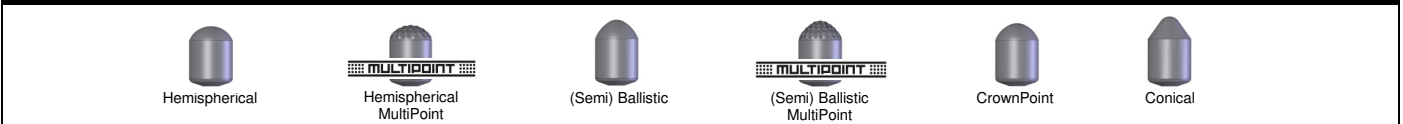


# THREADED BITS



T-Wiz60 2-3/8"												
NO.	FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
1		BAL	9	12.7	1/2	10	12.7	1/2	102	4	TWIZ60-102BFB-3865	44027
NO.	DROP CENTER  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
2		BAL	8	14	9/16	4	12.7	1/2	102	4	TWIZ60-102BDCB-3952	44019
					2	11	7/16					
NO.	DROP CENTER  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
3		BAL	8	14	9/16	4	12.7	1/2	102	4	TWIZ60-102BDCB-3951	44018
					3	11	7/16					
NO.	FLAT FACE - RETRAC  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
4		BAL	8	12.7	1/2	6	12.7	1/2	95	3-3/4	TWIZ60-95BFRTB-3753	44061
NO.	FLAT FACE - RETRAC  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
5		BAL	9	12.7	1/2	10	12.7	1/2	102	4	TWIZ60-102BFRTB-3829	44038
NO.	FLAT FACE - RETRAC  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
6		HEM	8	16	5/8	8	14	9/16	127	5	TWIZ60-127BFRT-4007	41130
		BAL	8	16	5/8	8	14	9/16	127	5	TWIZ60-127BFRTB-4008	41131
NO.	FLAT FACE - RETRAC, STARFLOW  5 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
7		HEM	10	16	5/8	8	16	5/8	140	5-1/2	TWIZ60-140BFRT-4009	41132
		BAL	10	16	5/8	8	16	5/8	140	5-1/2	TWIZ60-140BFRTB-4010	41133
NO.	DROP CENTER - RETRAC  2 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
		No.	mm	In.	No.	mm	In.	mm	In.			
8		BAL	8	14	9/16	4	12.7	1/2	102	4	TWIZ60-102BRTDCB-3953	44020
					2	11	7/16					

## CARBIDE PROFILE DESIGNS

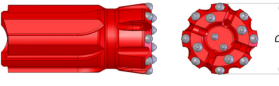


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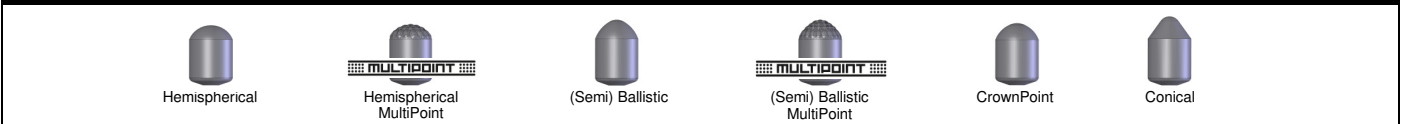
# THREADED BITS



## T-Wiz60 2-3/8" (CONTINUED)

NO.	DROP CENTER - RETRAC  4 FRONT FLUSHING HOLES	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		CARBIDE DESIGN	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
9		BAL	8	12.7	1/2	4	12.7	1/2	95	3-3/4	TWIZ60-95BRTDCB-3912	44060
						2	9.5	3/8				

### CARBIDE PROFILE DESIGNS



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 Note: Some button bits may not be offered with a particular carbide design shown above.

# REAMING ACCESSORIES



## REAMING BITS & PILOT ADAPTERS

NO.	IMAGE	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		ANGLE	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
1		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		6°	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
			8	9.5	3/8	4	8	5/16	64	2-1/2	RBB-64-6-487	43030
6°	4	6.3	1/4	3	11	7/16	76	3	RBB-76-6-774	43031		
6°	8	12.7	1/2	4	11	7/16	89	3-1/2	RBB-89-6-489	43014		
2		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		6°	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
			4	6.3	1/4	1	6.3	1/4	26	1-1/32	PAR25-26B-2612	43070
6°	4	6.3	1/4	1	6.3	1/4	26	1-1/32	PAR28-26B-2749	43071		
6°	4	6.3	1/4	1	6.3	1/4	26	1-1/32	PAR32-26B-2408	43072		
3		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		12°	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
			8	9.5	3/8	4	8	5/16	76	3	RBB-76-12-1771	43010
			8	12.7	1/2	4	9.5	3/8	89	3-1/2	RBB-89-12-095	43011
			8	12.7	1/2	4	12.7	1/2	102	4	RBB-102-12-096	43012
8	14		9/16	4	14	9/16	115	4-1/2	RBB-115-12-2453	43017		
8	14	9/16	8	12.7	1/2	127	5	RBB-127-12-097	43013			
4		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		12°	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
			4	9.5	3/8	2	8	5/16	41	1-5/8	PAR32-41B-2099	43073
12°	4	9.5	3/8	2	8	5/16	41	1-5/8	PAT38-41B-2759	43074		
5		CARBIDE DIMENSIONS						DIAMETER		PART NUMBER		
		T12	GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
			8	12.7	1/2	4	11	7/16	102	4	RBB-102-T12-490	43000
8	12.7		1/2	4	11	7/16	115	4-1/2	RBB-115-T12-491	43002		
8	12.7	1/2	4	11	7/16	127	5	RBB-127-T12-492	43001			
6		T12	CARBIDE DIMENSIONS						DIAMETER		PART NUMBER	
			GAUGE NO. X DIA.			FRONT NO. X DIA.			D		USA	AUSTRIA
			No.	mm	In.	No.	mm	In.	mm	In.		
			47	1-7/8					47	1-7/8	PAR32-47-T12-498	43075
			47	1-7/8					47	1-7/8	PAR38-47-T12-499	43076
			47	1-7/8					47	1-7/8	PAT38-47-T12-732	43078
47	1-7/8					47	1-7/8	PAT45-47-T12-231	43079			

## REAMING SHELLS

NO.	IMAGE	ANGLE (A)	D X B°		PART NUMBER	
			mm	In.	USA	AUSTRIA
			6°	22 x 12°	7/8 x 12°	RS2212-6
6°	22 x 11°	7/8 x 11°	RS2211-6	43036		

# REAMING ACCESSORIES



## HOLE OPENERS

NO.	STANDARD TYPE	CARBIDE DIMENSIONS						DIAMETER				PART NUMBER		
		GAUGE NO. X DIA.			FRONT NO. X DIA.			d		D		USA	AUSTRIA	
		THD No.	mm	In.	No.	mm	In.	mm	In.	mm	In.			
1		R32	8	14	9/16	4	11	7/16	41	1-5/8	102	4	R32-41-102HO-925	43067
		T38	8	14	9/16	7	11	7/16	51	2	102	4	T38-51-102HO-889	43043
		T38	8	14	9/16	4	11	7/16						
		T38	8	14	9/16	4	12.7	1/2	67	2-5/8	127	5	T38-67-127HO-278	43044
		T45	8	14	9/16	4	12.7	1/2	64	2-1/2	127	5	T45-64-127HO-4086	43059
		T45	8	14	9/16	4	12.7	1/2	73	2-7/8	127	5	T45-73-127HO-279	43045
		T38	8	16	5/8	6	14	9/16	102	4	152	6	T38-102-152HO-896	43046
		T45	8	16	5/8	6	14	9/16	64	2-1/2	152	6	T45-64-152HO-3681	43060
		ST58	8	16	5/8	4	14	9/16	89	3-1/2	152	6	ST58-89-152HO-303	43047
		R38	10	16	5/8	6	14	9/16	76	3	178	7	R38-76-178HO-1346	43048
		T38	10	16	5/8	4	14	9/16						
		T38	10	16	5/8	2	12.7	1/2						
		ST58	12	14	9/16	8	16	5/8	152	6	203	8	T38-152-203HO-119	43049
				16	14	9/16								
				4	14	9/16	127	5	225	8-7/8		ST58-127-225HO-3482	43061	
2		R32	8	11	7/16	7	9.5	3/8	29	1-5/32	76	3	R32-29-76CO-1267	43040
		R32	8	12.7	1/2	6	11	7/16	29	1-5/32	89	3-1/2	R32-29-89CO-1277	43041
		R32	8	12.7	1/2	1	9.5	3/8						
		R32	8	12.7	1/2	6	12.7	1/2	29	1-5/32	102	4	R32-29-102CO-192	43042
		R35	8	12.7	1/2	1	9.5	3/8						
		R35	8	12.7	1/2	6	12.7	1/2	29	1-5/32	102	4	R35-29-102CO-891	43052
		T38	8	12.7	1/2	1	9.5	3/8						
		T38	8	12.7	1/2	6	12.7	1/2	29	1-5/32	102	4	T38-29-102CO-3679	43064
		R32	8	14	9/16	10	12.7	1/2	29	1-5/32	115	4-1/2	R32-29-115CO-247	43050
		R32	8	14	9/16	1	11	7/16						
		T38	8	14	9/16	8	12.7	1/2	29	1-5/32	115	4-1/2	T38-29-115CO-3680	43065
		R32	8	14	9/16	1	11	7/16						
		R32	8	14	9/16	10	12.7	1/2	29	1-5/32	127	5	R32-29-127CO-270	43051
T38	8	14	9/16	1	11	7/16								
				10	12.7	1/2	29	1-5/32	127	5	T38-29-127CO-039	43066		

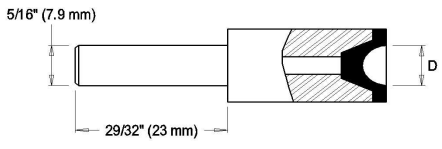
NOTE: ADDITIONAL THREADS AND SIZES AVAILABLE UPON REQUEST.

# GRINDING ACCESSORIES



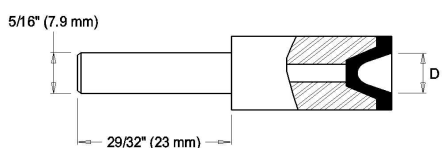
## GRINDING PINS - COMBINATION

HEMISPHERICAL	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	6	1/4	2856CH	46348
7	9/32	2857CH	46203	
8	5/16	2858CH	46204	
9	11/32	2859CH	46205	
10	13/32	28510CH	46206	
11	7/16	28511CH	46207	
12	15/32	28512CH	46208	
13	1/2	28513CH	46248	
14	9/16	28514CH	46223	
15	19/32	28515CH	46349	
16	5/8	28516CH	46228	
17	21/32	28517CH	46350	
18	23/32	28518CH	46351	
19	3/4	28519CH	46352	
20	25/32	28520CH	46353	



## GRINDING PINS - COMBINATION

(SEMI) BALLISTIC	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	6	1/4	2856CB	46354
7	9/32	2857CB	46355	
8	5/16	2858CB	46244	
9	11/32	2859CB	46245	
10	13/32	28510CB	46246	
11	7/16	28511CB	46247	
12	15/32	28512CB	46226	
13	1/2	28513CB	46356	
14	9/16	28514CB	46227	
15	19/32	28515CB	46357	
16	5/8	28516CB	46358	
17	21/32	28517CB	46359	
18	23/32	28518CB	46360	
19	3/4	28519CB	46361	
20	25/32	28520CB	46362	



## HAND-HELD AIR GRINDER

	PART NUMBER	
	USA	AUSTRIA
	MK11	46019

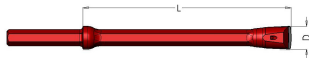
Note:  
**Combination** grinding pins are for grinding the carbide buttons and the steel body in one action

# INTEGRAL DRILL RODS



## 7/8" HEX (22mm) X 4-1/4" SHANK (108mm)

SERIES	DIAMETER (D)		LENGTH (L)		PART NUMBER	
	mm	In.	mm	FT	USA	AUSTRIA
11	34	1-11/32	800	2' 7"	714-0834	49134
11	33	1-5/16	1600	5' 3"	714-1633	49127
11	32	1-1/4	2400	7' 10"	714-2432	49121
11	31	1-7/32	3200	10' 6"	714-3231	49116
11	30	1-3/16	4000	13' 1-1/2"	714-4030	49113
11	29	1-1/8	4800	15' 9"	714-4829	49111
11	28	1-7/64	5600	18' 4"	714-5628	49105
11	27	1-1/16	6400	21'	714-6427	49102
12	40	1-9/16	800	2' 7"	714-0840	49159
12	39	1-17/32	1600	5' 3"	714-1639	49153
12	38	1-1/2	2400	7' 10"	714-2438	49151
12	37	1-29/64	3200	10' 6"	714-3237	49148
12	36	1-13/32	4000	13' 1-1/2"	714-4036	49146
12	35	1-3/8	4800	15' 9"	714-4835	49140
12	34	1-11/32	5600	18' 4"	714-5634	49137
12	33	1-5/16	6400	21'	714-6433	49132
13	34	1-11/32	400	1' 4"	714-0434	49133
13	33	1-5/16	800	2' 7"	714-0833	49124
13	32	1-1/4	1200	3' 11"	714-1232	49119
13	31	1-7/32	1600	5' 3"	714-1631	49114
13	30	1-3/16	2000	6' 7"	714-2030	49112
16	35	1-3/8	600	1' 11-1/2"	714-0635	49138
16	34	1-11/32	1200	3' 11"	714-1234	49135
16	33	1-5/16	1800	5' 11"	714-1833	49128
16	32	1-1/4	2400	7' 10"	714-2432	49121
17	41	1-5/8	600	1' 11-1/2"	714-0641	49162
17	40	1-9/16	1200	3' 11"	714-1240	49160
17	39	1-17/32	1800	5' 11"	714-1839	49154
	35	1-3/8	460	1' 6"	714-0535	49286
	29	1-1/8	800	2' 7"	714-0829	49107
	45	1-3/4	800	2' 7"	714-0845	49197
	45	1-3/4	1200	3' 11"	714-1245	49198
	32	1-1/4	2000	6' 7"	714-2032	49120

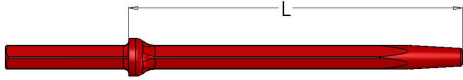


# DRILL RODS


## TAPERED - HF Hardened



### 7/8" HEX (22mm), 4-1/4" SHANK (108mm) X 11° HF Hardened

11°	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	22H-610-11
	760	2' 6"	22H-760-11	48493
	1220	4'	22H-1220-11	48494
	1370	4' 6"	22H-1370-11	48499
	1525	5'	22H-1525-11	41624
	1600	5' 3"	22H-1600-11	48367
	1830	6'	22H-1830-11	48495
	1980	6' 6"	22H-1980-11	43492
	2440	8'	22H-2440-11	48497
	2590	8' 6"	22H-2590-11	48312
	3050	10'	22H-3050-11	48341
	3200	10' 6"	22H-3200-11	48324
	3660	12'	22H-3660-11	43321
	4000	13' 1-1/2"	22H-4000-11	48344
	4270	14'	22H-4270-11	48345
	4575	15'	22H-4575-11	48346

### 7/8" HEX (22mm), 4-1/4" SHANK (108mm) X 12° HF Hardened

12°	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	22H-610-12
	760	2' 6"	22H-760-12	48489
	915	3'	22H-915-12	43348
	1220	4'	22H-1220-12	48473
	1370	4' 6"	22H-1370-12	48492
	1525	5'	22H-1525-12	48305
	1830	6'	22H-1830-12	48474
	1980	6' 6"	22H-1980-12	48490
	2440	8'	22H-2440-12	48475
	2590	8' 6"	22H-2590-12	41623
	3050	10'	22H-3050-12	48476
	3200	10' 6"	22H-3200-12	41518
	3660	12'	22H-3660-12	43316
	3960	13'	22H-3960-12	48485
	4270	14'	22H-4270-12	48355
	4575	15'	22H-4575-12	48356
	4875	16'	22H-4875-12	43375

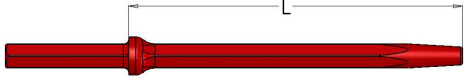
### TAPER BIT KNOCK OFF TOOL

22 MM (7/8") KNOCK-OFF BLOCK	PART NUMBER	
	USA	AUSTRIA
		KOB22T

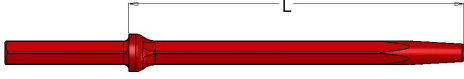
**DRILL RODS**  
**TAPERED - Carburized**



**7/8" HEX (22mm), 4-1/4" SHANK (108mm) X 11° Carburized**

11°	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	22H-610-11-C
	760	2' 6"	22H-760-11-C	48493
	1220	4'	22H-1220-11-C	48494
	1370	4' 6"	22H-1370-11-C	48499
	1525	5'	22H-1525-11-C	41624
	1600	5' 3"	22H-1600-11-C	48367
	1830	6'	22H-1830-11-C	48495
	1980	6' 6"	22H-1980-11-C	43492
	2440	8'	22H-2440-11-C	48497
	2590	8' 6"	22H-2590-11-C	48312
	3050	10'	22H-3050-11-C	48341
	3200	10' 6"	22H-3200-11-C	48324
	3660	12'	22H-3660-11-C	43321
	4000	13' 1-1/2"	22H-4000-11-C	48344
	4270	14'	22H-4270-11-C	48345
	4575	15'	22H-4575-11-C	48346

**7/8" HEX (22mm), 4-1/4" SHANK (108mm) X 12° Carburized**

12°	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	22H-610-12-C
	760	2' 6"	22H-760-12-C	48489
	915	3'	22H-915-12-C	43348
	1220	4'	22H-1220-12-C	48473
	1370	4' 6"	22H-1370-12-C	48492
	1525	5'	22H-1525-12-C	48305
	1830	6'	22H-1830-12-C	48474
	1980	6' 6"	22H-1980-12-C	48490
	2440	8'	22H-2440-12-C	48475
	2590	8' 6"	22H-2590-12-C	41623
	3050	10'	22H-3050-12-C	48476
	3200	10' 6"	22H-3200-12-C	41518
	3660	12'	22H-3660-12-C	43316
	3960	13'	22H-3960-12-C	48485
	4270	14'	22H-4270-12-C	48355
	4575	15'	22H-4575-12-C	48356
	4875	16'	22H-4875-12-C	43375

**TAPER BIT KNOCK OFF TOOL**

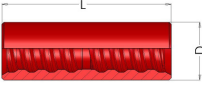
22 MM (7/8") KNOCK-OFF BLOCK	PART NUMBER	
	USA	AUSTRIA
		KOB22T



# COUPLINGS AND ADAPTERS THREAD / COUPLING GREASE




## COUPLINGS

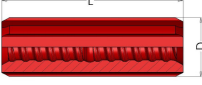
	THREAD	LENGTH (L)		DIAMETER (D)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R22	140	5-1/2	30	1-3/16
	R25	150	5-29/32	33	1-5/16	CR25-33-4135 *	13330
	R25	150	5-29/32	35	1-3/8	CR25-36-203	13332
	R28	150	5-29/32	39	1-17/32	CR28-40-204	41661
	R32	150	5-29/32	42	1-21/32	CR32-42-3798 *	13309
	R32	150	5-29/32	44	1-23/32	CR32-44-205	13308
	R38	170	6-11/16	55	2-5/32	CR38-55-206	13302
	T38	190	7-1/2	52	2-3/64	CT38-52-3799 *	41669
	T38	190	7-1/2	55	2-5/32	CT38-55-198	14844
	T45	210	8-1/4	63	2-15/32	CT45-63-649	41666
	T45 HD	210	8-1/4	66	2-19/32	CT45-66-1363	14845
	T51	225	8-7/8	72	2-13/16	CT51-72-648	41662
	T51 HD	225	8-7/8	76	3	CT51-76-1195	41686

\* SLIM DESIGN

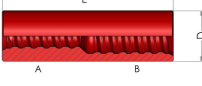
## COUPLINGS - Full Bridge

	THREAD	LENGTH (L)		DIAMETER (D)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R25	200	7-7/8	35	1-3/8
	R28	160	6-5/16	39	1-17/32	CR28FB-39-4136	41659
	R32	200	7-7/8	44	1-23/32	CR32FB-44-3801	17234
	R38	210	8-1/4	55	2-5/32	CR38FB-55-3462	41687
	T38	205	8-1/16	55	2-5/32	CT38FB-55-3623	41670
	T45	230	9-1/16	63	2-15/32	CT45FB-64-651	41650
	T51	250	9-13/16	72	2-13/16	CT51FB-72-3802	41685
	T51	250	9-13/16	76	3	CT51FB-76-652	41691

## GUIDE COUPLINGS

	THREAD	LENGTH (L)		DIAMETER (D)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			T38	190	7-1/2	61	2-13/32

## COUPLING ADAPTERS - Semi Bridge

	THREAD (A) - (B)	LENGTH (L)		DIAMETER (D)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R22 - R25	142	5-19/32	35	1-3/8
	R25 - R28	150	5-29/32	38	1-1/2	CAR25R28-38-1663	41665
	R25 - R32	150	5-29/32	44	1-23/32	CAR25R32-44-657	11445
	R28 - R32	150	5-29/32	44	1-23/32	CAR28R32-44-658	48604
	R28 - R38	160	6-5/16	55	2-5/32	CAR28R38-55-160	13349
	R28 - T38	165	6-1/2	55	2-5/32	CAR28T38-55-4138	41697
	R32 - R38	160	6-5/16	55	2-5/32	CAR32R38-55-950	13348
	R32 - T38	165	6-1/2	55	2-5/32	CAR32T38-55-660	41657
	R38 - T38	180	7-1/16	55	2-5/32	CAR38T38-55-661	11449
	R38 - T45	195	7-11/16	63	2-15/32	CAR38T45-63-2192	48531
	T38 - T45	195	7-11/16	63	2-15/32	CAT38T45-63-654	41658
	T45 - T51	218	8-19/32	72	2-13/16	CAT45T51-72-655	41676

# COUPLINGS AND ADAPTERS THREAD / COUPLING GREASE



## COUPLING ADAPTERS - Full Bridge

	THREAD	LENGTH (L)		DIAMETER (D)		PART NUMBER	
	(A) - (B)	mm	In.	mm	In.	USA	AUSTRIA
	R22 - R25	165	6-1/2	35	1-3/8	CAR22R25-35-2252	48504
	R25 - R28	170	6-11/16	39	1-17/32	CAR25R28-38-2253	48505
	R25 - R32	200	7-7/8	44	1-23/32	CAR25R32-44-2254	17235
	R25 - R38	170	6-11/16	55	2-5/32	CAR25R38-55-4139	41690
	R25 - T38	170	6-11/16	55	2-5/32	CAR25T38-55-165	41695
	R28 - R32	170	6-11/16	44	1-23/32	CAR28R32-44-2255	48506
	R28 - T38	170	6-11/16	55	2-5/32	CAR28T38-55-3803	48517
	R32 - T35	170	6-11/16	49	1-29/32	CAR32T35-49-4140	48516
	R32 - R38	205	8-1/16	55	2-5/32	CAR32R38-55-2256	17236
	R32 - T38	205	8-1/16	55	2-5/32	CAR32T38-55-2257	41675
	R32 - T45	215	8-15/32	63	2-15/32	CAR32T45-63-3804	41680
	R38 - T38	205	8-1/16	55	2-5/32	CAR38T38-55-2258	41655
	R38 - T45	215	8-15/32	63	2-15/32	CAR38T45-63-2259	41667
	R38 - T51	225	8-7/8	72	2-13/16	CAR38T51-72-4141	48511
	T38 - T45	215	8-15/32	63	2-15/32	CAT38T45-63-2260	41684
	T38 - T51	225	8-7/8	72	2-13/16	CAT38T51-72-4142	48521
	T45 - T51	240	9-7/16	72	2-13/16	CAT45T51-72-2261	41689


## BIT ADAPTERS

	THREAD	LENGTH (L)		DIAMETER (D)		PART NUMBER	
	(A) - (B)	mm	In.	mm	In.	USA	AUSTRIA
	R25 - R28	185	7-9/32	44	1-23/32	BAR25R28-44	11424
	R25 - R32	185	7-9/32	44	1-23/32	BAR25R32-44	11425
	R28 - R25	185	7-9/32	44	1-23/32	BAR28R25-44	48696
	R28 - R32	185	7-9/32	44	1-23/32	BAR28R32-44	11427
	R32 - R25	210	8-1/4	44	1-23/32	BAR32R25-44	11428
	R32 - T32	270	10-5/8	44	1-23/32	BAR32T32-44	48534
	R32 - R38	270	10-5/8	44	1-23/32	BAR32R38-44	11426
	R32 - T38	270	10-5/8	44	1-23/32	BAR32T38-44	48585
	R32 - T45	360	14-3/16	44	1-23/32	BAR32T45-44	41694
	R35 - R32	280	11-1/32	55	2-5/32	BAR35R32-55	48708
	R38 - R32	280	11-1/32	55	2-5/32	BAR38R32-55	48645
	R38 - T32	280	11-1/32	55	2-5/32	BAR38T32-55	48508
	R38 - T38	280	11-1/32	55	2-5/32	BAR38T38-55	48646
	R38 - T45	280	11-1/32	55	2-5/32	BAR38T45-55	48500
	T38 - R32	280	11-1/32	55	2-5/32	BAT38R32-55	48586
	T38 - R38	280	11-1/32	55	2-5/32	BAT38R38-55	11430
	T38 - T45	280	11-1/32	55	2-5/32	BAT38T45-55	48588
	T45 - R38	280	11-1/32	63	2-15/32	BAT45R38-63	48653
	T45 - T38	280	11-1/32	63	2-15/32	BAT45T38-63	48587
	T45 - T51	285	11-7/32	63	2-15/32	BAT45T51-63	41693
	T45 - ST58	280	11-1/32	72	2-13/16	BAT45ST58-72	48687
	T51 - R38	285	11-7/32	72	2-13/16	BAT51R38-72	48555
	T51 - T45	285	11-7/32	72	2-13/16	BAT51T45-72	48661
	T51 - ST58	285	11-7/32	76	3	BAT51ST58-76	48658
	T51 - GT60	345	13-1/2	82	3-1/4	BAT51GT60-82	48515
	ST58 - T51	310	12-3/16	81	3-3/16	BAST58T51-81	48703
	GT60 - T51	360	14-3/16	82	3-1/4	BAGT60T51-82	48533
	GT60 - ST58	345	13-1/2	82	3-1/4	BAGT60ST58-82	48537

# THREAD / COUPLING GREASE



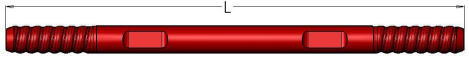
## THREAD / COUPLING GREASE


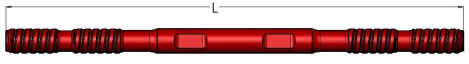
	TYPE	DESCRIPTION	PART NUMBER	
			USA	AUSTRIA
	Thread Guard	1 Gallon	THREAD-GUARD-1-GAL	11564
	Thread Guard	5 Gallon	THREAD-GUARD-5-GAL-NP	11568
Thread Guard	5 Gal., Pumpable	THREAD-GUARD-5-GAL-PUMP	11565	



# DRILL RODS

## ROUND EXTENSION - MALE / MALE - HF Hardened



<b>R38 - R38 - Rd 39 1-1/2" ROPE THREAD (38mm) HF Hardened</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
				
	1220	4'	R38R-1220	11404
	1830	6'	R38R-1830	11405
	2435	8'	R38R-2440	14883
	3050	10'	R38R-3050	14914
	3660	12'	R38R-3660	14915
	4265	14'	R38R-4270	14916

<b>T38 - T38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm) HF Hardened</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
				
	1000	3' 3"	T38R-1000	47230
	1220	4'	T38R-1220	11414
	1500	4' 11"	T38R-1500	47333
	1525	5'	T38R-1525	47122
	1830	6'	T38R-1830	11415
	2000	6' 7"	T38R-2000	11316
	2435	8'	T38R-2440	11127
	3000	9' 10"	T38R-3000	47006
	3050	10'	T38R-3050 *	11128
	3660	12'	T38R-3660	11129
	4000	13' 1-1/2"	T38R-4000	47330
	4265	14'	T38R-4270	11130
* WITH WRENCH FLATS				
TANDEM THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
				
	3050	10'	T38R-T-3050	11369
	3660	12'	T38R-T-3660	11370
	4265	14'	T38R-T-4270	11371

<b>T45 - T45 - Rd 46 1-3/4" TRAPEZOIDAL THREAD (45mm) HF Hardened</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
				
	1000	3' 3"	T45R-1000	47190
	1220	4'	T45R-1220	47293
	1500	4' 11"	T45R-1500	47311
	1525	5'	T45R-1525	41581
	1830	6'	T45R-1830	47339
	2000	6' 7"	T45R-2000	41580
	2435	8'	T45R-2440	47062
	3000	9' 10"	T45R-3000	43817
	3050	10'	T45R-3050	47051
	3660	12'	T45R-3660	47052
	4265	14'	T45R-4270	47053
	4875	16'	T45R-4875	47054
	5490	18'	T45R-5490	47056
	6095	20'	T45R-6095	47001
TANDEM THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
				
	3050	10'	T45R-T-3050	47409
	3660	12'	T45R-T-3660	47094
	4265	14'	T45R-T-4270	47410

**DRILL RODS**  
**ROUND EXTENSION - MALE / MALE - HF Hardened**



**T51 - T51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm) HF Hardened**

SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1000	3' 3"	T51R-1000	43808
1220	4'	T51R-1220	43712	
1500	4' 11"	T51R-1500	43700	
1830	6'	T51R-1830	47206	
2000	6' 7"	T51R-2000	43701	
3000	9' 10"	T51R-3000	43662	
3050	10'	T51R-3050	47140	
3660	12'	T51R-3660	47141	
4265	14'	T51R-4270	47381	
4875	16'	T51R-4875	47387	
5490	18'	T51R-5490	47375	
6095	20'	T51R-6095	46184	
7315	24'	T51R-7315	43759	



# DRILL RODS

## ROUND EXTENSION - MALE / MALE - Carburized



<b>R32 - R32 - Rd 32 1-1/4" ROPE THREAD (32mm) Carburized</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	R32R-610-C
915		3'	R32R-915-C	47121
1000		3' 3"	R32R-1000-C	41548
1220		4'	R32R-1220-C	11401
1525		5'	R32R-1525-C	41539
1830		6'	R32R-1830-C	14898
2000		6' 7"	R32R-2000-C	47395
2435		8'	R32R-2435-C	14899
3000		9' 10"	R32R-3000-C	47324
3050		10'	R32R-3050-C	14902
3660		12'	R32R-3660-C	14903
4265		14'	R32R-4270-C	14904
4915		16' 1-1/2"	R32R-4915-C	47318
5490		18'	R32R-5490-C	43844

<b>R38 - R38 - Rd 39 1-1/2" ROPE THREAD (38mm) Carburized</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		915	3'	R38R-915-C
1000		3' 3"	R38R-1000-C	47180
1220		4'	R38R-1220-C	11404
1500		4' 11"	R38R-1500-C	43730
1830		6'	R38R-1830-C	11405
2000		6' 7"	R38R-2000-C	11313
2435		8'	R38R-2440-C	14883
3050		10'	R38R-3050-C	14914
3660		12'	R38R-3660-C	14915
4265		14'	R38R-4270-C	14916

<b>T38 - T38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm) Carburized</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		915	3'	T38R-915-C
3050		10'	T38R-3050-C	11128
3660		12'	T38R-3660-C	11129
4265		14'	T38R-4270-C	11130

<b>T45 - T45 - Rd 46 1-3/4" TRAPEZOIDAL THREAD (45mm) Carburized</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		3050	10'	T45R-3050-C
3660		12'	T45R-3660-C	47052
4265		14'	T45R-4270-C	47053


<b>T51 - T51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm) Carburized</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		3050	10'	T51R-3050-C
3660		12'	T51R-3660-C	47141
4875		16'	T51R-4875-C	47387
5490		18'	T51R-5490-C	47375

# DRILL RODS

## ROUND EXTENSION - MALE / FEMALE




### MF-Rod R32 - R32 - Rd 32 1-1/4" ROPE THREAD (32mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		915	3'	R3232MF-915
	1000	3' 3"	R3232MF-1000	47073
	1220	4'	R3232MF-1220	47139
	1525	5'	R3232MF-1525	47137
	1830	6'	R3232MF-1830	47138
	2435	8'	R3232MF-2440	47386
	2700	8' 10"	R3232MF-2700	43895
	2850	9' 4"	R3232MF-2850	43716
	3000	9' 10"	R3232MF-3000	47070
	3050	10'	R3232MF-3050	47127
	3660	12'	R3232MF-3660	47128
	4000	13' 1-1/2"	R3232MF-4000	43715
	4270	14'	R3232MF-4270	47350
	5370	17' 7-1/2"	R3232MF-5370	47473
	6300	20' 8"	R3232MF-6300	47461


D = 45mm (1-3/4")

### MF-Rod T35 - T35 - Rd 39 1-3/8" TRAPEZOIDAL THREAD (35mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		1220	4'	T3538MF-1220
	1830	6'	T3538MF-1830	43620
	2435	8'	T3538MF-2440	43734
	3050	10'	T3538MF-3050	43621
	3660	12'	T3538MF-3660	43622
	4270	14'	T3538MF-4270	43623


D = 48mm (1-7/8")

### MF-Rod R38 - R38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		1220	4'	R3838MF-1220
	1525	5'	R3838MF-1525	47270
	1830	6'	R3838MF-1830	47255
	2000	6' 7"	R3838MF-2000	47268
	3050	10'	R3838MF-3050	47254
	3660	12'	R3838MF-3660	47267
	4265	14'	R3838MF-4270	47222

D = 56mm (2-7/32")

### MF-Rod T38 - T38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		915	3'	T3838MF-915
	1000	3' 3"	T3838MF-1000	43654
	1220	4'	T3838MF-1220	47111
	1525	5'	T3838MF-1525	47136
	1830	6'	T3838MF-1830	47110
	2000	6' 7"	T3838MF-2000	47279
	2435	8'	T3838MF-2440	47284
	3000	9' 10"	T3838MF-3000	47250
	3050	10'	T3838MF-3050	47144
	3660	12'	T3838MF-3660	47164
	4270	14'	T3838MF-4270	47247

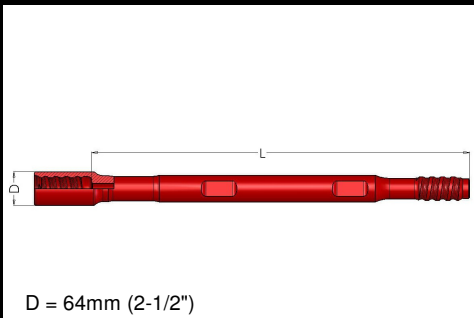
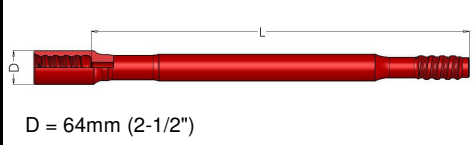
D = 56mm (2-7/32")

# DRILL RODS

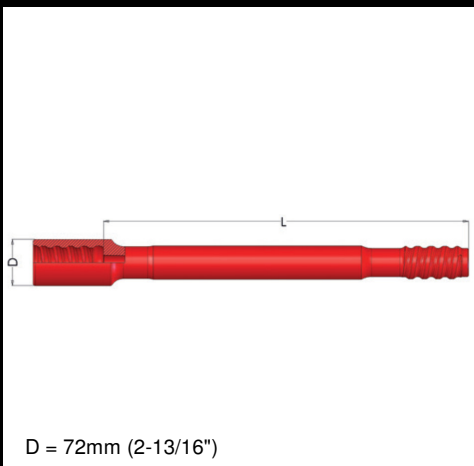
## ROUND EXTENSION - MALE / FEMALE



### MF-Rod T45 - T45 - Rd 46 1-3/4" TRAPEZOIDAL THREAD (45mm)

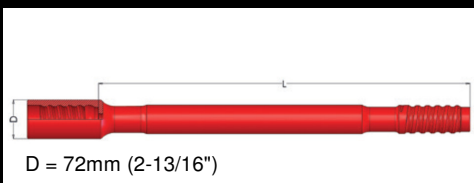
 D = 64mm (2-1/2")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1000	3' 3"	T4545MF-1000	47256
1220	4'	T4545MF-1220	47491	
1500	4' 11"	T4545MF-1500	47292	
1525	5'	T4545MF-1525	47132	
1830	6'	T4545MF-1830	47172	
2000	6' 7"	T4545MF-2000	47264	
2435	8'	T4545MF-2440	47402	
3000	9' 10"	T4545MF-3000	47262	
3050	10'	T4545MF-3050	47173	
 D = 64mm (2-1/2")	3660	12'	T4545MF-3660	47166
	4270	14'	T4545MF-4270	47285
	4880	16'	T4545MF-4875	47492
	5490	18'	T4545MF-5490	47496
	6100	20'	T4545MF-6095	47481

### MF-Rod T51 - T51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm)

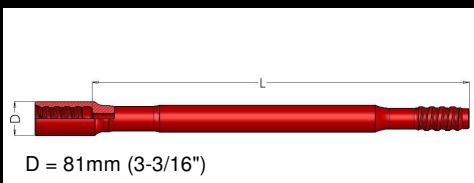
 D = 72mm (2-13/16")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1000	3' 3"	T5151MF-1000	43918
1220	4'	T5151MF-1220	47323	
1500	4' 11"	T5151MF-1500	47352	
1525	5'	T5151MF-1525	43928	
1830	6'	T5151MF-1830	47337	
2000	6' 7"	T5151MF-2000	43914	
3000	9' 10"	T5151MF-3000	43915	
3050	10'	T5151MF-3050	43986	
3660	12'	T5151MF-3660	47338	
4000	13' 1-1/2"	T5151MF-4000	43947	
4270	14'	T5151MF-4270	43819	
4880	16'	T5151MF-4875	43954	
5490	18'	T5151MF-5490	43903	
6100	20'	T5151MF-6095	43997	

### MF-Rod XT51 - XT51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm) ROCKMORE Vector Rod System



 D = 72mm (2-13/16")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	XT5151MF-3660	43907
4270	14'	XT5151MF-4270	43908	
5490	18'	XT5151MF-5490	43911	
6100	20'	XT5151MF-6095	43909	

### MF-Rod ST58 - ST58 - Rd 60 2-1/4" TRAPEZOIDAL THREAD (58mm)

 D = 81mm (3-3/16")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	ST5860MF-3660	43942
4270	14'	ST5860MF-4270	43922	
5490	18'	ST5860MF-5490	43962	
6100	20'	ST5860MF-6095	43998	



# DRILL RODS

## ROUND EXTENSION - MALE / FEMALE



**MF-Rod GT60 - GT60 - Rd 60** 2-1/4" TRAPEZOIDAL THREAD (60mm) 3-7/32" FEMALE O.D. (82MM)

 D = 82mm (3-7/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	GT6060MF-3660	43608
4270	14'	GT6060MF-4270	43609	
6100	20'	GT6060MF-6095	43610	

**MF-Rod GT60 - GT60 - Rd 60** 2-1/4" TRAPEZOIDAL THREAD (60mm) 3-3/8" FEMALE O.D. (85MM)

 D = 85mm (3-3/8")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	GT6060MF85-3660	43628
4270	14'	GT6060MF85-4270	43629	
6100	20'	GT6060MF85-6095	43630	

**MF-Rod GT60 - GT60 - Rd 64** 2-1/4" TRAPEZOIDAL THREAD (60mm) 3-3/8" FEMALE O.D. (85MM)

 D = 85mm (3-3/8")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4000	13' 1-1/2"	GT6064MF85-4000	43988
4270	14'	GT6064MF85-4270	43989	

**MF-Rod T-WiZ60 - T-WiZ60 - Rd 60** 2-1/4" TRAPEZOIDAL THREAD (60mm) 3-3/8" FEMALE O.D. (85MM)

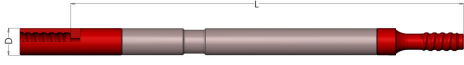
 D = 85mm (3-3/8")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3630	11' 11"	TWIZ6060MF85-3630	43771
	4240	13' 11"	TWIZ6060MF85-4240	43772
	5470	17' 11"	TWIZ6060MF85-5470	43777
6065	19' 11"	TWIZ6060MF85-6065	43773	

# DRILL RODS

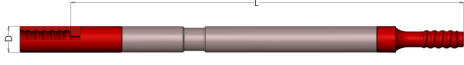
## STARTER GUIDE TUBE - MALE / FEMALE



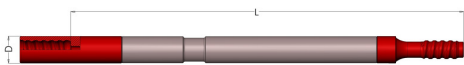
### MF-Tube T38 - T38 - Rd 56 1-1/2" TRAPEZOIDAL THREAD (38mm) X 2-7/32" ROUND (56mm)

 D = 56mm (2-7/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T38SGT-56-1220	47620
1525	5'	T38SGT-56-1525	47621	
1830	6'	T38SGT-56-1830	47622	
3050	10'	T38SGT-56-3050	47624	
3660	12'	T38SGT-56-3660	47625	


### MF-Tube T38 - T38 - Rd 64 1-1/2" TRAPEZOIDAL THREAD (38mm) X 2-1/2" ROUND (64mm)

 D = 64mm (2-1/2")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T38SGT-64-1220	47630
1525	5'	T38SGT-64-1525	47631	
1830	6'	T38SGT-64-1830	47632	
3050	10'	T38SGT-64-3050	47634	
3660	12'	T38SGT-64-3660	47635	

### MF-Tube T45 - T45 - Rd 64 1-3/4" TRAPEZOIDAL THREAD (45mm) X 2-1/2" ROUND (64mm)

 D = 64mm (2-1/2")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T45SGT-64-1220	47640
1525	5'	T45SGT-64-1525	47641	
1830	6'	T45SGT-64-1830	47642	
2440	8'	T45SGT-64-2440	47643	
3050	10'	T45SGT-64-3050	47644	
3660	12'	T45SGT-64-3660	47645	
4270	14'	T45SGT-64-4270	47746	

### MF-Tube T45 - T45 - Rd 76 1-3/4" TRAPEZOIDAL THREAD (45mm) X 3" ROUND (76mm)

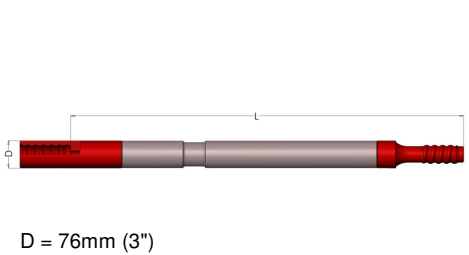
 D = 76mm (3")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T45SGT-76-1220	47650
1525	5'	T45SGT-76-1525	47651	
1830	6'	T45SGT-76-1830	47652	
2440	8'	T45SGT-76-2440	47653	
3050	10'	T45SGT-76-3050	47654	
3660	12'	T45SGT-76-3660	47655	

# DRILL RODS

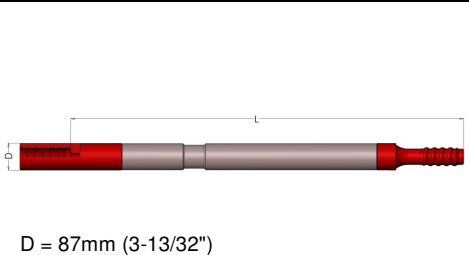
## STARTER GUIDE TUBE - MALE / FEMALE



### MF-Tube T51 - T51 - Rd 76 2" TRAPEZOIDAL THREAD (51mm) X 3" ROUND (76mm)

 D = 76mm (3")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T51SGT-76-1220	47660
1525	5'	T51SGT-76-1525	47661	
1830	6'	T51SGT-76-1830	47662	
2440	8'	T51SGT-76-2440	47663	
3050	10'	T51SGT-76-3050	47664	
3660	12'	T51SGT-76-3660	47665	
4270	14'	T51SGT-76-4270	47736	

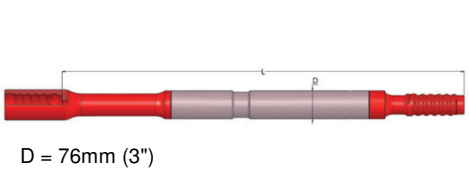
### MF-Tube T51 - T51 - Rd 87 2" TRAPEZOIDAL THREAD (51mm) X 3-13/32" ROUND (87mm)

 D = 87mm (3-13/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T51SGT-87-1220	47700
1525	5'	T51SGT-87-1525	47701	
1830	6'	T51SGT-87-1830	47702	
2440	8'	T51SGT-87-2440	47703	
3050	10'	T51SGT-87-3050	47704	
3760	12' 4"	T51SGT-87-3760	47705	
4270	14'	T51SGT-87-4270	47706	

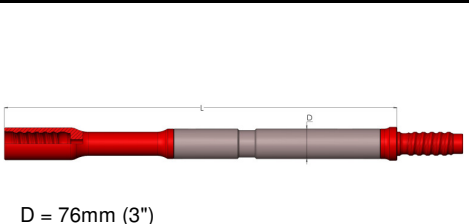
### MF-Tube XT51 - XT51 - Rd 76 2" TRAPEZOIDAL THREAD (51mm) X 3" ROUND (76mm)

#### ROCKMORE Vector Rod System



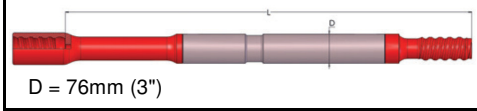
 D = 76mm (3")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3760	12' 4"	XT51SGT-76-3760	47731
4270	14'	XT51SGT-76-4270	47737	
4670	15' 4"	XT51SGT-76-4670	47738	
5180	17'	XT51SGT-76-5180	47739	

### MF-Tube GT60 - GT60 - Rd 76 2-1/4" TRAPEZOIDAL THREAD (60mm) X 3" ROUND (76mm)

 D = 76mm (3")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1525	5'	GT60SGT-76-1525	47671
1830	6'	GT60SGT-76-1830	47672	
3050	10'	GT60SGT-76-3050	47674	
3660	12'	GT60SGT-76-3660	47675	
4270	14'	GT60SGT-76-4270	47676	
5200	17' 3/4"	GT60SGT-76-5200	47677	

**DRILL RODS**  
**STARTER GUIDE TUBE - MALE / FEMALE**



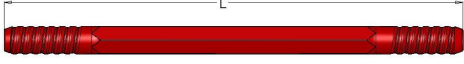
 <p>D = 76mm (3")</p>	<b>MF-Tube T-WiZ60 - T-WiZ60 - Rd 76</b> 2-1/4" TRAPEZOIDAL THREAD (60mm) X 3" ROUND (76mm)			
	<b>LENGTH (L)</b>		<b>PART NUMBER</b>	
	<b>mm</b>	<b>FT</b>	<b>USA</b>	<b>AUSTRIA</b>
	4270	14'	<b>TWIZ60SGT-76-4270</b>	<b>47604</b>

# DRILL RODS

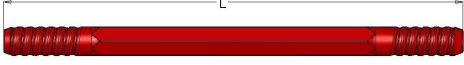
## HEX EXTENSION - MALE / MALE



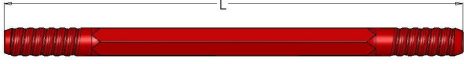
### R22 - R22 - HEX 22 7/8" ROPE THREAD (22mm) X 7/8" HEX (22mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	R2222H-610
	915	3'	R2222H-915	47211
	1220	4'	R2222H-1220	47153
	1525	5'	R2222H-1525	47212
	1830	6'	R2222H-1830	47162


### R25 - R25 - HEX 25 1" ROPE THREAD (25mm) X 1" HEX (25mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	R2525H-610
	915	3'	R2525H-915	14943
	1000	3' 3"	R2525H-1000	14950
	1220	4'	R2525H-1220	14944
	1500	4' 11"	R2525H-1500	14952
	1525	5'	R2525H-1525	41565
	1830	6'	R2525H-1830	14946
	2100	6' 10-5/8"	R2525H-2100	14949
	2435	8'	R2525H-2435	14947
	3050	10'	R2525H-3050	14926
	3660	12'	R2525H-3660	41560
	4305	14' 1-1/2"	R2525H-4305	47086

### R28 - R28 - HEX 28 1-1/8" ROPE THREAD (28mm) X 1-1/8" HEX (28mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	R2828H-610
	915	3'	R2828H-915	47236
	1220	4'	R2828H-1220	47237
	1525	5'	R2828H-1525	47156
	1830	6'	R2828H-1830	47308
	2435	8'	R2828H-2435	47261
	3050	10'	R2828H-3050	47092
	3660	12'	R2828H-3660	47295
	3700	12' 1-1/2"	R2828H-3700	41541
	4005	13' 1-1/2"	R2828H-4005	47259

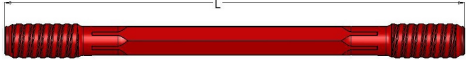
### R32 - R32 - HEX 32 1-1/4" ROPE THREAD (32mm) X 1-1/4" HEX (32mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		1500	4' 11"	R3232H-1500
	2350	7' 8-1/2"	R3232H-2350	47421
	2475	8' 1-1/2"	R3232H-2475	47089
	2700	8' 10"	R3232H-2700	41585
	3090	10' 1-1/2"	R3232H-3090	47100
	3400	11' 2"	R3232H-3400	41579
	3700	12' 1-1/2"	R3232H-3700	41646
	4005	13' 1-1/2"	R3232H-4005	47218
	4305	14' 1-1/2"	R3232H-4305	41622
	4915	16' 1-1/2"	R3232H-4915	43905

**DRILL RODS**  
**HEX EXTENSION - MALE / MALE**



**T45 - T45 - HEX 38** 1-3/4" TRAPEZOIDAL THREAD (45mm) X 1-1/2" HEX (38mm)

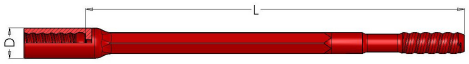
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3050	10'	T4538H-3050	11182
3660	12'	T4538H-3660	11183	
4265	14'	T4538H-4270	11184	

# DRILL RODS


## HEX EXTENSION - MALE / FEMALE



### MF-Rod R25M - R25F - HEX 25 1" ROPE THREAD (25mm) X 1" HEX (25mm)

 D = 36mm (1-13/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	R2525HMF-610	43778
1220	4'	R2525HMF-1220	43779	
1525	5'	R2525HMF-1525	43789	
1830	6'	R2525HMF-1830	43790	
2435	8'	R2525HMF-2435	43791	
3050	10'	R2525HMF-3050	43792	
3660	12'	R2525HMF-3660	43802	

### MF-Rod R28M - R28F - HEX 28 1-1/8" ROPE THREAD (28mm) X 1-1/8" HEX (28mm)


 D = 39mm (1-17/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	R2828HMF-610	43729
915	3'	R2828HMF-915	43653	
1200	3' 11"	R2828HMF-1200	43667	
1525	5'	R2828HMF-1525	47067	
2435	8'	R2828HMF-2435	43786	
3050	10'	R2828HMF-3050	43893	
3660	12'	R2828HMF-3660	43894	

# DRILL RODS


## DRIFTING AND TUNNELING - Hex




### R25 - R32 - HEX 25 1" ROPE THREAD (25mm) X 1-1/4" ROPE THREAD (32mm) X 1" HEX (25mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		610	2'	R25R3225H-610
	1830	6'	R25R3225H-1830	43803
	2130	7'	R25R3225H-2130	11165
	2475	8' 1-1/2"	R25R3225H-2475	11166
	2600	8' 6"	R25R3225H-2600	43643
	2795	9' 2"	R25R3225H-2795	43873
	2895	9' 6"	R25R3225H-2895	43602
	3090	10' 1-1/2"	R25R3225H-3090	11167
	3700	12' 1-1/2"	R25R3225H-3700	11553
	4005	13' 1-1/2"	R25R3225H-4005	43644
	4305	14' 1-1/2"	R25R3225H-4305	11554


### R25 - R32 - HEX 28 1" ROPE THREAD (25mm) X 1-1/4" ROPE THREAD (32mm) X 1-1/8" HEX (28mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		2475	8' 1-1/2"	R25R3228H-2475
	2600	8' 6"	R25R3228H-2600	47074
	2795	9' 2"	R25R3228H-2795	47289
	2850	9' 4"	R25R3228H-2850	43735
	3090	10' 1-1/2"	R25R3228H-3090	47068
	3700	12' 1-1/2"	R25R3228H-3700	47069
	4005	13' 1-1/2"	R25R3228H-4005	47272
	4305	14' 1-1/2"	R25R3228H-4305	47314


### R25 - R38 - HEX 28 1" ROPE THREAD (25mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/8" HEX (28mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		2000	6' 7"	R25R3828H-2000
	3090	10' 1-1/2"	R25R3828H-3090	43731
	3700	12' 1-1/2"	R25R3828H-3700	43776
	4050	13' 3-1/2"	R25R3828H-4050	43971
	4305	14' 1-1/2"	R25R3828H-4305	47313

### R28 - R32 - HEX 28 1-1/8" ROPE THREAD (28mm) X 1-1/4" ROPE THREAD (32mm) X 1-1/8" HEX (28mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		1220	4'	R28R3228H-1220
	1525	5'	R28R3228H-1525	43775
	2475	8' 1-1/2"	R28R3228H-2475	47072
	2590	8' 6"	R28R3228H-2590	43720
	2795	9' 2"	R28R3228H-2795	47340
	3090	10' 1-1/2"	R28R3228H-3090	41634
	3400	11' 2"	R28R3228H-3400	47390
	3700	12' 1-1/2"	R28R3228H-3700	41635
	4005	13' 1-1/2"	R28R3228H-4005	41636
	4305	14' 1-1/2"	R28R3228H-4305	41632

### R28 - R38 - HEX 28 1-1/8" ROPE THREAD (28mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/8" HEX (28mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		2475	8' 1-1/2"	R28R3828H-2475
	3090	10' 1-1/2"	R28R3828H-3090	47176
	3700	12' 1-1/2"	R28R3828H-3700	41637
	4305	14' 1-1/2"	R28R3828H-4305	41633

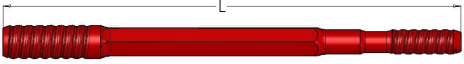


# DRILL RODS


## DRIFTING AND TUNNELING - Hex




### R28 - R38 - HEX 32 1-1/8" ROPE THREAD (28mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/4" HEX (32mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	R28R3832H-3090	47175
3700	12' 1-1/2"	R28R3832H-3700	47145	
4005	13' 1-1/2"	R28R3832H-4005	47302	
4305	14' 1-1/2"	R28R3832H-4305	47146	
4915	16' 1-1/2"	R28R3832H-4915	47231	
5525	18' 1-1/2"	R28R3832H-5525	47331	


### R28 - T38 - HEX 28 1-1/8" ROPE THREAD (28mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-1/8" HEX (28mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	2475	8' 1-1/2"	R28T3828H-2475	41644
3090	10' 1-1/2"	R28T3828H-3090	41643	
3300	10' 10"	R28T3828H-3300	41642	
3700	12' 1-1/2"	R28T3828H-3700	41640	
4305	14' 1-1/2"	R28T3828H-4305	41641	

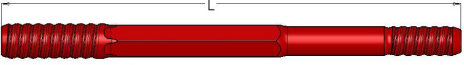
### R28 - T38 - HEX 32 1-1/8" ROPE THREAD (28mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-1/4" HEX (32mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	2475	8' 1-1/2"	R28T3832H-2475	47090
3090	10' 1-1/2"	R28T3832H-3090	47091	
3400	11' 2"	R28T3832H-3400	43634	
3700	12' 1-1/2"	R28T3832H-3700	47088	
4305	14' 1-1/2"	R28T3832H-4305	43978	
4915	16' 1-1/2"	R28T3832H-4915	43758	
5150	16' 10-3/4"	R28T3832H-5150	47458	
5525	18' 1-1/2"	R28T3832H-5525	43714	

### R32 - R38 - HEX 32 1-1/4" ROPE THREAD (32mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/4" HEX (32mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1570	5' 2"	R32R3832H-1570	17641
1800	5' 11"	R32R3832H-1800	43739	
2200	7' 2-1/2"	R32R3832H-2200	47202	
2475	8' 1-1/2"	R32R3832H-2475	47307	
3090	10' 1-1/2"	R32R3832H-3090	47058	
3700	12' 1-1/2"	R32R3832H-3700	47059	
4005	13' 1-1/2"	R32R3832H-4005	47154	
4305	14' 1-1/2"	R32R3832H-4305	47060	
4610	15' 1-1/2"	R32R3832H-4610	11142	
4915	16' 1-1/2"	R32R3832H-4915	47061	
5525	18' 1-1/2"	R32R3832H-5525	47294	

### R32 - R38 - HEX 35 1-1/4" ROPE THREAD (32mm) X 1-1/2" ROPE THREAD (38mm) X 1-3/8" HEX (35mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	R32R3835H-3090	47198
3700	12' 1-1/2"	R32R3835H-3700	47165	
4005	13' 1-1/2"	R32R3835H-4005	47288	
4305	14' 1-1/2"	R32R3835H-4305	47148	
4915	16' 1-1/2"	R32R3835H-4915	47149	
5525	18' 1-1/2"	R32R3835H-5525	47179	

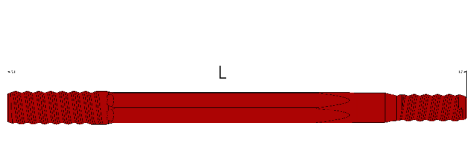
# DRILL RODS

## DRIFTING AND TUNNELING - Hex

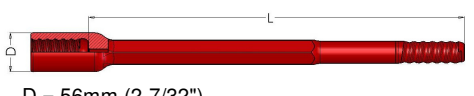


**XR32 - R38 - HEX 35** 1-1/4" ROPE THREAD (32mm) X 1-1/2" ROPE THREAD (38mm) X 1-3/8" HEX (35mm)

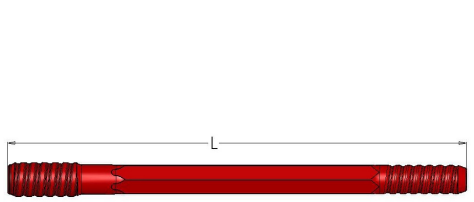
### ROCKMORE XR32 THREAD SYSTEM

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	XR32R3835H-3090	43603
3700	12' 1-1/2"	XR32R3835H-3700	43614	
4305	14' 1-1/2"	XR32R3835H-4305	43640	
4915	16' 1-1/2"	XR32R3835H-4915	43615	

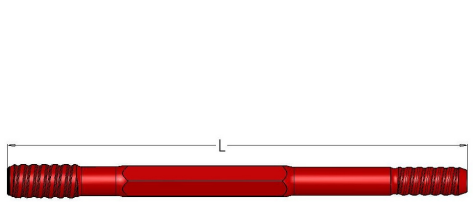
**MF-Rod R32M - R38F - HEX 35** 1-1/4" ROPE THREAD (32mm) X 1-1/2" FEMALE ROPE THREAD (38mm) X 1-3/8" HEX (35mm)

 D = 56mm (2-7/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3700	12' 1-1/2"	R32R3835HMF-3700	47467
4915	16' 1-1/2"	R32R3835HMF-4915	47466	

**R32 - T38 - HEX 32** 1-1/4" ROPE THREAD (32mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-1/4" HEX (32mm)

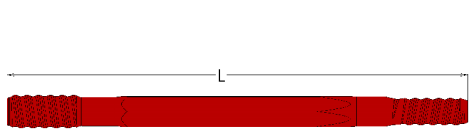
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	2475	8' 1-1/2"	R32T3832H-2475	43765
2600	8' 6"	R32T3832H-2600	47319	
3090	10' 1-1/2"	R32T3832H-3090	11383	
3400	11' 2"	R32T3832H-3400	43871	
3700	12' 1-1/2"	R32T3832H-3700	11384	
4005	13' 1-1/2"	R32T3832H-4005	47306	
4305	14' 1-1/2"	R32T3832H-4305	11386	
4915	16' 1-1/2"	R32T3832H-4915	11388	
5525	18' 1-1/2"	R32T3832H-5525	47177	

**R32 - T38 - HEX 35** 1-1/4" ROPE THREAD (32mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-3/8" HEX (35mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	2475	8' 1-1/2"	R32T3835H-2475	43612
3090	10' 1-1/2"	R32T3835H-3090	43743	
3700	12' 1-1/2"	R32T3835H-3700	47161	
4305	14' 1-1/2"	R32T3835H-4305	47150	
4460	14' 7-1/2"	R32T3835H-4460	43746	
4915	16' 1-1/2"	R32T3835H-4915	47151	
5525	18' 1-1/2"	R32T3835H-5525	47204	
6140	20' 1-1/2"	R32T3835H-6135	47209	
6400	21'	R32T3835H-6400	43627	

**XR32 - T38 - HEX 35** 1-1/4" ROPE THREAD (32mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-3/8" HEX (35mm)

### ROCKMORE XR32 THREAD SYSTEM


	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3700	12' 1-1/2"	XR32T3835H-3700	43613
4305	14' 1-1/2"	XR32T3835H-4305	43638	
4915	16' 1-1/2"	XR32T3835H-4915	43641	
5525	18' 1-1/2"	XR32T3835H-5525	43689	

# DRILL RODS


## DRIFTING AND TUNNELING - Hex




**MF-Rod R32M - T38F - HEX 35** 1-1/4" ROPE THREAD (32mm) X 1-1/2" FEMALE TRAP. THREAD (38mm) X 1-3/8" HEX (35mm)

 D = 56mm (2-7/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	R32T3835HMF-3090	47332
3700	12' 1-1/2"	R32T3835HMF-3700	47297	
4305	14' 1-1/2"	R32T3835HMF-4305	47300	
4915	16' 1-1/2"	R32T3835HMF-4915	47301	
5525	18' 1-1/2"	R32T3835HMF-5525	47246	
6140	20' 1-1/2"	R32T3835HMF-6140	47380	


**R35 - R38 - HEX 35** 1-3/8" ROPE THREAD (35mm) X 1-1/2" ROPE THREAD (38mm) X 1-3/8" HEX (35mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3700	12' 1-1/2"	R35R3835H-3700	43883
4305	14' 1-1/2"	R35R3835H-4305	43854	
4915	16' 1-1/2"	R35R3835H-4915	43855	
5530	18' 1-1/2"	R35R3835H-5525	43816	

**R35 - T38 - HEX 35** 1-3/8" ROPE THREAD (35mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-3/8" HEX (35mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3050	10'	R35T3835H-3050	43951
3700	12' 1-1/2"	R35T3835H-3700	43941	
4305	14' 1-1/2"	R35T3835H-4305	43856	
4915	16' 1-1/2"	R35T3835H-4915	43857	
5525	18' 1-1/2"	R35T3835H-5525	43721	
6140	20' 1-1/2"	R35T3835H-6140	43633	
6400	21'	R35T3835H-6400	43601	

**MF-Rod R35M - T38F - HEX 35** 1-3/8" ROPE THREAD (35mm) X 1-1/2" FEMALE TRAP. THREAD (38mm) X 1-3/8" HEX (35mm)

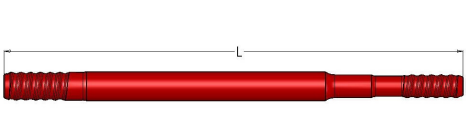
 D = 56mm (2-7/32")	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3700	12' 1-1/2"	R35T3835HMF-3700	43848
4310	14' 1-1/2"	R35T3835HMF-4305	43849	
4915	16' 1-1/2"	R35T3835HMF-4915	43852	
5525	18' 1-1/2"	R35T3835HMF-5525	43853	
6140	20' 1-1/2"	R35T3835HMF-6140	43866	

# DRILL RODS


## DRIFTING AND TUNNELING - Round



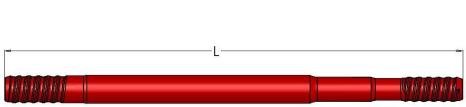
**R32 - R38 - RD 39** 1-1/4" ROPE THREAD (32mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/2" ROUND (39mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1830	6'	R32R3839R-1830	43657
4305	14' 1-1/2"	R32R3839R-4305	43750	
4915	16' 1-1/2"	R32R3839R-4915	43764	


**R32 - T38 - RD 39** 1-1/4" ROPE THREAD (32mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-1/2" ROUND (39mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4305	14' 1-1/2"	R32T3839R-4305	43987
4915	16' 1-1/2"	R32T3839R-4915	43604	
5525	18' 1-1/2"	R32T3839R-5525	43605	
6140	20' 1-1/2"	R32T3839R-6135	43635	
6400	21'	R32T3839R-6400	43631	

**R35 - R38 - RD 39** 1-3/8" ROPE THREAD (35mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/2" ROUND (39mm)

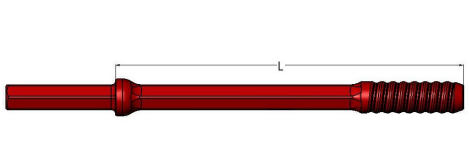
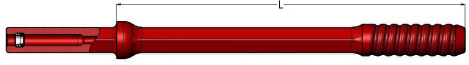
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4305	14' 1-1/2"	R35R3839R-4305	43919
4915	16' 1-1/2"	R35R3839R-4915	43681	
5525	18' 1-1/2"	R35R3839R-5525	43682	

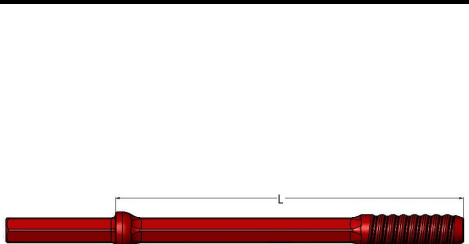
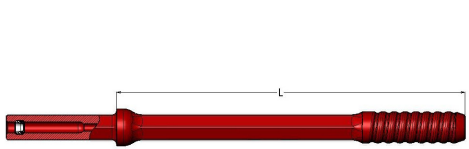
**R35 - T38 - RD 39** 1-3/8" ROPE THREAD (35mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-1/2" ROUND (39mm)

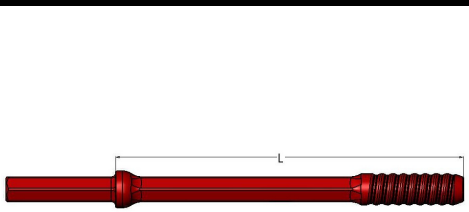
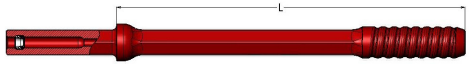
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4305	14' 1-1/2"	R35T3839R-4305	43763
4915	16' 1-1/2"	R35T3839R-4915	43920	
5525	18' 1-1/2"	R35T3839R-5525	43761	
6140	20' 1-1/2"	R35T3839R-6140	43737	
6400	21'	R35T3839R-6400	43785	


# SHANK RODS



<b>R22 7/8" ROPE THREAD (22mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)</b>				
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	22H-R22-255	47155
1000	3' 3"	22H-R22-1000	43702	
1800	5' 11"	22H-R22-1800	47114	
 WITH SEAL	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	22H-R22-255-S	47152

<b>R25 1" ROPE THREAD (25mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)</b>				
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	22H-R25-255	14929
	610	2'	22H-R25-610	47076
	800	2' 7"	22H-R25-800	47143
	915	3'	22H-R25-915	43825
	1000	3' 3"	22H-R25-1000	14930
	1220	4'	22H-R25-1220	43826
	1830	6'	22H-R25-1830	43827
	2400	7' 10"	22H-R25-2400	47147
	3050	10'	22H-R25-3050	47203
3200	10' 6"	22H-R25-3200	47354	
3660	12'	22H-R25-3660	47232	
4265	14'	22H-R25-4270	14953	
 WITH SEAL	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	22H-R25-255-S	43949
	610	2'	22H-R25-610-S	43863
	800	2' 7"	22H-R25-800-S	43801
	1600	5' 3"	22H-R25-1600-S	47112
2440	8'	22H-R25-2440-S	47158	

<b>R25 1" ROPE THREAD (25mm) X 1" HEX (25mm), 4-1/4" SHANK (108mm)</b>				
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25HX4-R25-255	14175
	610	2'	25HX4-R25-610	43829
	915	3'	25HX4-R25-915	43830
	1220	4'	25HX4-R25-1220	43831
	1525	5'	25HX4-R25-1525	43832
	1830	6'	25HX4-R25-1830	43833
	2440	8'	25HX4-R25-2440	43835
	3050	10'	25HX4-R25-3050	43837
3660	12'	25HX4-R25-3660	43880	
 WITH SEAL	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25HX4-R25-255-S	14173
610	2'	25HX4-R25-610-S	47187	

<b>R25 1" ROPE THREAD (25mm) X 1" HEX (25mm), 6-1/4" SHANK (159mm)</b>				
 WITH SEAL	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
255	10"	25H-R25-255-S	47119	

# SHANK RODS



## R32 1-1/4" ROPE THREAD (32mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	22H-R32-255	43782
	610	2'	22H-R32-610	47097
	1220	4'	22H-R32-1220	47098
1830	6'	22H-R32-1830	47099	

## R32 1-1/4" ROPE THREAD (32mm) X 1" HEX (25mm), 4-1/4" SHANK (108mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25HX4-R32-255	43683
	610	2'	25HX4-R32-610	43933
	915	3'	25HX4-R32-915	43935
	1220	4'	25HX4-R32-1220	43936
	1525	5'	25HX4-R32-1525	43917
	1830	6'	25HX4-R32-1830	43937
	2440	8'	25HX4-R32-2440	43938
	3050	10'	25HX4-R32-3050	43939
3660	12'	25HX4-R32-3660	47119	
<p>WITH SEAL</p>	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25HX4-R32-255-S	47038

## R32 1-1/4" ROPE THREAD (32mm) X 1" HEX (25mm), 6-1/4" SHANK (159mm)

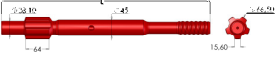
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
<p>WITH SEAL</p>	255	10"	25H-R32-255-S	47026

# SHANK ADAPTERS

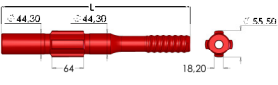


## BOART

### BOART - HD 125, HE 125, HD 150, HE 150

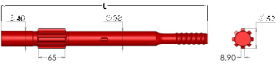
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	495	19.49	45	1.75	R3280SF-001	41818
R38	495	19.49	45	1.75	R3880SF-001	41796	
T38	495	19.49	45	1.75	T3880SF-001	41803	

### BOART - SECAN 6 36 IR (4 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	44	1.74	R322014-001	41760
R38	380	14.96	44	1.74	R382014-001	11337	
T38	380	14.96	44	1.74	T382014-001	41761	
T45	380	14.96	44	1.74	T452014-001	41759	
R32	446	17.56	44	1.74	R322014-002	11341	
R38	446	17.56	44	1.74	R382014-002	11338	
T38	446	17.56	44	1.74	T382014-002	11339	
T45	446	17.56	44	1.74	T452016-002	11331	

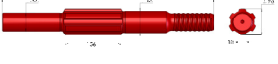
## BOHLER

### BOHLER - HS 448

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	500	19.69	38	1.50	R32171SF-001	47871
R38	500	19.69	38	1.50	R38171SF-001	47872	
T38	500	19.69	38	1.50	T38171SF-001	47873	

## CASAGRANDE

### CASAGRANDE - C6

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	A55 RE	590	23.23	65	2.56	A5517600-001	47994
R55 LI	590	23.23	65	2.56	R5517600-002	47993	
A64 RE	590	23.23	65	2.56	A6417600-001	47823	
R64 LI	590	23.23	65	2.56	R6417600-002	47822	
C64 RE	590	23.23	65	2.56	C6417600-001	47992	
C64 LI	590	23.23	65	2.56	C6417600-002	47991	

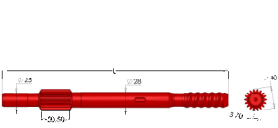
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS

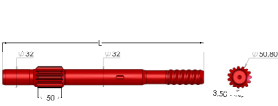



## DOOFOR

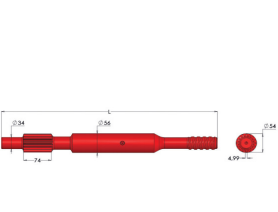
### DOOFOR - DF 415, 425, 430S

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R25	400	15.75	28	1.10	R25184SF-001
R28	400	15.75	28	1.10	R28184SF-001	41966	

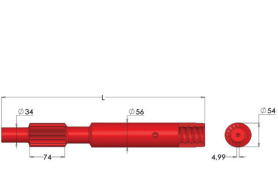
### DOOFOR - DF 528, 530L, 530S, 538L, 538S

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
R32	425	16.73	32	1.25	R32177SF-001	41922	
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
R32	470	18.50	39	1.54	R32177SF-002	48145	

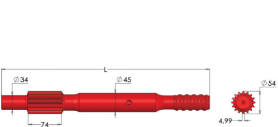
### DOOFOR - DF 540L

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	580	22.83	56	2.20	R32186SF-002
R38	580	22.83	56	2.20	R38186SF-002	48198	
T38	580	22.83	56	2.20	T38186SF-002	48193	
T140	580	22.83	56	2.20	T140186SF-002	48199	
R51	580	22.83	56	2.20	R51186SF-002	48194	

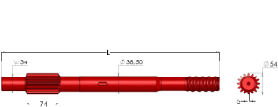
### DOOFOR - DF 540L (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	430	16.93	56	2.20	R32186SF-003
R38	430	16.93	56	2.20	R38186SF-003	48191	
T38	430	16.93	56	2.20	T38186SF-003	48202	
T140	430	16.93	56	2.20	T140186SF-003	48200	

### DOOFOR - DF 540L, 550, 560L BLT

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	465	18.31	45	1.75	R32186SF-001
T38	465	18.31	45	1.75	T38186SF-001	48147	

### DOOFOR - DF 545, 550

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
T38	515	20.28	39	1.52	T38178SF-001	41914	

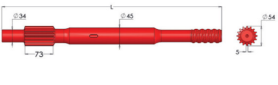
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.



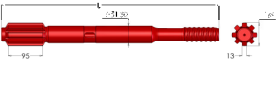
# SHANK ADAPTERS




## DOOFOR - DF 545HD, 560L

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	515	20.28	45	1.75	R32185SF-002	48167
T38	570	22.44	45	1.75	T38185SF-001	48134	
T45	570	22.44	45	1.75	T45185SF-001	41937	

## DOOFOR - DF 600 S, 700 S

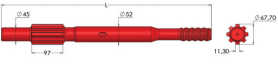
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	600	23.62	52	2.04	R3258SF-002	48180
T35	600	23.62	52	2.04	T3558SF-002	48159	
T38	600	23.62	52	2.04	T3858SF-002	48956	
T45	600	23.62	52	2.04	T4558SF-002	48899	
XT45 *	600	23.62	52	2.04	XT4558SF-002	48075	
T51	600	23.62	52	2.04	T5158SF-002	48900	
XT51 *	600	23.62	52	2.04	XT5158SF-002	48013	

## DOOFOR - DF 800HD


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	560	22.05	60	2.36	T45187SF-001	48176
T51	560	22.05	60	2.36	T51187SF-001	48177	

## EPIROC

### EPIROC - RD 14S, 18S, 22S

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	655	25.79	52	2.05	T38336SF-001	48219
T45	655	25.79	52	2.05	T45336SF-001	48189	
T51	655	25.79	52	2.05	T51336SF-001	48164	

### EPIROC - COP MD20

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	470	18.50	38	1.50	R38335SF-001	48140
T38	470	18.50	38	1.50	T38335SF-001	48131	
R38	560	22.05	38	1.50	R38335SF-002	48252	
T38	560	22.05	38	1.50	T38335SF-002	48207	

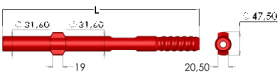
\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS.  
VERIFY ALL DIMENSIONS BEFORE ORDERING.

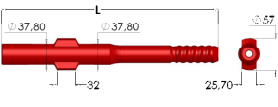
# SHANK ADAPTERS



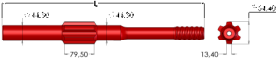
## EPIROC - BBC 42, 43, 44, 45, 100

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R25	380	14.96	32	1.24	R254410-001
R32	380	14.96	32	1.24	R324410-001	13397	

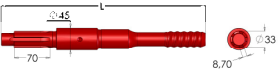
## EPIROC - BBC 51, 52, 54, 120

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	380	14.96	38	1.49	R323110-001
R38	390	15.35	38	1.49	R383110-002	47800	
T38	390	15.35	38	1.49	T383110-002	41789	


## EPIROC - BBE 56U2, 57, 5701

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	537	21.14	44	1.74	T383214-001
T45	550	21.65	44	1.74	T453214-002	11335	


## EPIROC - COP 1028

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R28	400	15.75	45	1.75	R28138SF-001
R32	400	15.75	45	1.75	R32138SF-001	41823	

## EPIROC - COP 1036, 1038, 1238 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	485	19.09	38	1.50	R3235SF-002
R38	485	19.09	38	1.50	R3835SF-002	47815	
T38	485	19.09	38	1.50	T3835SF-002	11085	
R32	500	19.69	38	1.50	R3235SF-003	41764	
R38	500	19.69	38	1.50	R3835SF-003	41779	
T38	500	19.69	38	1.50	T3835SF-003	47827	

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	575	22.64	38	1.50	R3235SF-005
T38	575	22.64	38	1.50	T3835SF-005	41782	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS



## EPIROC - COP 1036, 1038, 1238 (MALE) (CONTINUED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	575	22.64	45	1.75	R3235SF-006
R38	575	22.64	45	1.75	R3835SF-006	47852	
T38	575	22.64	45	1.75	T3835SF-006	47982	
T45	575	22.64	45	1.75	T4535SF-006	47892	

## EPIROC - COP 1036, 1038, 1238 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	710	27.95	52	2.05	R3235SF-010
R38	710	27.95	52	2.05	R3835SF-010	48087	
T130	710	27.95	52	2.05	T13035SF-010	48099	

## EPIROC - COP 1132, RR11 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R28	410	16.14	35	1.38	R2848SF-001
R32	410	16.14	35	1.38	R3248SF-001	41882	
T35	410	16.14	35	1.38	T3548SF-001	48149	

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	500	19.69	35	1.38	R32148SF-001
T35	500	19.69	35	1.38	T35148SF-001	48150	

## EPIROC - COP 1132, RR11 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	280	11.02	45	1.75	R3249SF-001

## EPIROC - COP 1140, 1435, SC14, RR14

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	410	16.14	35	1.38	R32144SF-001
R32	500	19.69	35	1.38	R32144SF-002	48067	

## EPIROC - COP 1240, 1640, SC16, SC19, SC25HF

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	565	22.24	52	2.05	R3243SF-001
T35	565	22.24	52	2.05	T3543SF-001	48034	
T38	565	22.24	52	2.05	T3843SF-001	48001	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS



## EPIROC - COP 1240, 1640, 1840, 1850, 2540 AND + VERSIONS

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	565	22.24	52	2.05	T4543SF-001
XT45 *	565	22.24	52	2.05	XT4543SF-001	48035	
T51	565	22.24	52	2.05	T5143SF-001	48849	
XT51 *	565	22.24	52	2.05	XT5143SF-001	48036	

## EPIROC - COP 1240EX, 1640EX, SC19X, SC 25X-HF

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	770	30.31	60	2.36	R3243SF-002
T38	770	30.31	60	2.36	T3843SF-002	48003	

## EPIROC - COP 1240EX, 1640EX, 1840EX, 1850EX, 2150EX, 2540EX, 2550EX, SC19X, SC 25X-HF

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	770	30.31	60	2.36	T4543SF-002
T51	770	30.31	60	2.36	T5143SF-002	48866	
XT51 *	770	30.31	60	2.36	XT5143SF-002	48031	

## EPIROC - COP 1432, 1440, 1532, 1550, 1638, 1838, 2238 AND + VERSIONS

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	435	17.13	38	1.50	R3236SF-001
R38	435	17.13	38	1.50	R3836SF-001	47879	
T38	435	17.13	38	1.50	T3836SF-001	47894	

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	525	20.67	38	1.50	R3236SF-002
R38	525	20.67	38	1.50	R3836SF-002	48897	
T35	525	20.67	38	1.50	T3536SF-002	48028	
T38	525	20.67	38	1.50	T3836SF-002	48943	

## EPIROC - COP 1432, 1532 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	340	13.39	55	2.17	R3242SF-002
R38	340	13.39	55	2.17	R3842SF-002	48898	

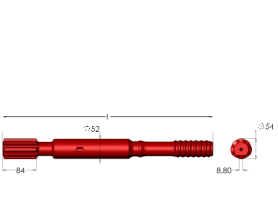
\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS.  
VERIFY ALL DIMENSIONS BEFORE ORDERING.

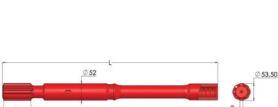
# SHANK ADAPTERS




## EPIROC - COP 1440, 1550, 1838 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	525	20.67	52	2.05	R3237SF-002
	T35	525	20.67	52	2.05	T3537SF-002	41951
	T38	525	20.67	52	2.05	T3837SF-002	48846
	T45	525	20.67	52	2.05	T4537SF-002	47916
	T51	525	20.67	52	2.05	T5137SF-002	47917


## EPIROC - COP 1440, 1550, 1838 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	640	25.20	52	2.05	R3237SF-005	41889


  

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	640	25.20	52	2.05	R3237SF-006
	R38	650	25.59	52	2.05	R3837SF-007	41917


## EPIROC - COP 1838 MUX/HUX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	730	28.74	52	2.05	T38147SF-001
	T45	730	28.74	52	2.05	T45147SF-001	48037
	XT45 *	730	28.74	52	2.05	XT45147SF-001	48096
	T51	730	28.74	52	2.05	T51147SF-001	48039

## EPIROC - COP 2160, 2560

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	770	30.31	60	2.36	T3846SF-001
	T45	770	30.31	60	2.36	T4546SF-001	41873
	T51	770	30.31	60	2.36	T5146SF-001	41874

## EPIROC - COP 2160EX, 2560EX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	770	30.31	63	2.48	T4547SF-001
	T51	770	30.31	63	2.48	T5147SF-001	41884
	XT51 *	770	30.31	63	2.48	XT5147SF-001	48032
	GT60	770	30.31	63	2.48	GT6047SF-001	48012

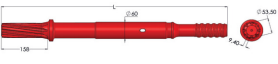
\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

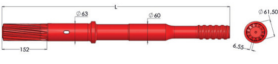
# SHANK ADAPTERS



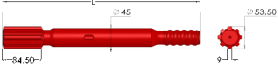
## EPIROC - COP 2550UX, 2550UX+

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	770	30.31	60	2.36	T45117SF-001	48165
T51	770	30.31	60	2.36	T51117SF-001	48161	


## EPIROC - COP 2560EX, 2560EX+, SC25-HE

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	770	30.31	63	2.48	T45116SF-001	48089
T51	770	30.31	63	2.48	T51116SF-001	48091	
XT51 *	770	30.31	63	2.48	XT51116SF-001	48092	
T-WiZ60	770	30.31	63	2.48	TWIZ60116SF-001	48094	


## EPIROC - COP 3038

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	435	17.13	45	1.75	R38115SF-003	48049
T38	435	17.13	45	1.75	T38115SF-003	48050	
T45	450	17.72	45	1.75	T45115SF-001	48048	

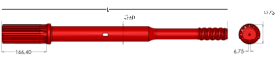
  

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	525	20.67	45	1.75	R32115SF-002	48051
T38	525	20.67	45	1.75	T38115SF-002	48052	

## EPIROC - COP 3060 ME

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	840	33.07	60	2.36	T51111SF-001	48117
GT60	840	33.07	60	2.36	GT60111SF-001	48173	
T-WiZ60	840	33.07	60	2.36	TWIZ60111SF-001	48151	

## EPIROC - COP 3060 MEX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	840	33.07	60	2.36	T51112SF-001	48071
GT60	840	33.07	60	2.36	GT60112SF-001	48174	
T-WiZ60	840	33.07	60	2.36	TWIZ60112SF-001	48142	

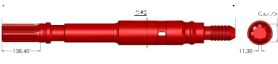
\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS

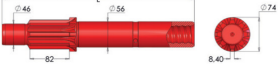


## EPIROC - COP 4050 MUX

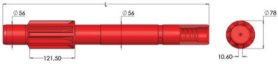
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	ST58	835	32.87	90	3.54	ST58145SF-001	48016
ST68	835	32.87	90	3.54	ST68145SF-001	48018	

## EURODRILL

### EURODRILL - HD 1002 (FEMALE)


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	410	16.14	56	2.20	R32326SF-001	48119
R38	430	16.93	56	2.20	R38326SF-002	48120	
TI30	380	14.96	56	2.20	TI30326SF-003	41733	
TI40	400	15.75	56	2.20	TI40326SF-004	41734	

### EURODRILL - HD 2002, 2004 (FEMALE)


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	555	21.85	56	2.20	R32327SF-001	48121
R38	555	21.85	56	2.20	R38327SF-001	48122	

## FURUKAWA

### FURUKAWA - M 120, HD 200, PD 200 (4 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	44	1.74	R322014-001	41760
R38	380	14.96	44	1.74	R382014-001	11337	
T38	380	14.96	44	1.74	T382014-001	41761	
T45	380	14.96	44	1.74	T452014-001	41759	
R32	446	17.56	44	1.74	R322014-002	11341	
R38	446	17.56	44	1.74	R382014-002	11338	
T38	446	17.56	44	1.74	T382014-002	11339	
T45	446	17.56	44	1.74	T452016-002	11331	

### FURUKAWA - PD 200R

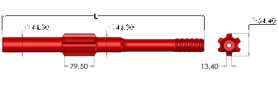
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	484	19.06	44	1.73	T3812614-002	47940
T45	484	19.06	44	1.73	T4512614-002	41834	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

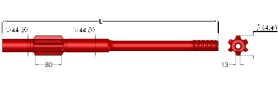
# SHANK ADAPTERS



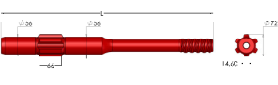
## FURUKAWA - HD 260

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	537	21.14	44	1.74	T383214-001
T45	550	21.65	44	1.74	T453214-002	11335	

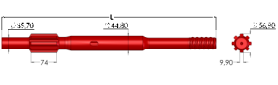
## FURUKAWA - HD 300

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	655	25.79	45	1.75	R388616-001
T38	655	25.79	45	1.75	T388616-001	41827	
T45	655	25.79	45	1.75	T458616-001	41828	

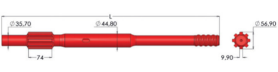
## FURUKAWA - HD 500

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	635	25.00	56	2.20	T388716-002
T45	635	25.00	56	2.20	T458716-002	41905	
T51	635	25.00	56	2.20	T518716-002	48974	

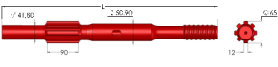
## FURUKAWA - HD 609 (STD)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	620	24.41	45	1.75	R38121SF-001
T38	620	24.41	45	1.75	T38121SF-001	41829	
T45	620	24.41	45	1.75	T45121SF-001	41830	


  

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	690	27.17	45	1.75	T38121SF-004
T45	690	27.17	45	1.75	T45121SF-004	41854	

## FURUKAWA - HD 612 (STD)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	670	26.38	51	2.00	T45122SF-001
T51	670	26.38	51	2.00	T51122SF-001	41851	

## FURUKAWA - HD 612 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	845	33.27	51	2.00	T45122SF-002
T51	845	33.27	51	2.00	T51122SF-002	41831	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.



# SHANK ADAPTERS



## FURUKAWA - HD 615 (STD)

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
T51	700	27.56	58	2.28	T51123SF-001	41842
T51	880	34.65	58	2.28	T51123SF-003	48942

## FURUKAWA - HD 709 (STD)

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
T38	620	24.41	45	1.75	T38130SF-001	41898
T45	620	24.41	45	1.75	T45130SF-001	41897

## FURUKAWA - HD 709 (QED)

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
T38	785	30.91	45	1.75	T38130SF-003	41943
T45	785	30.91	45	1.75	T45130SF-003	41955
T45	815	32.09	45	1.75	T45130SF-002	41931

## FURUKAWA - HD 712 (STD)

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
T45	590	23.23	51	2.00	T45128SF-002	41858
T51	590	23.23	51	2.00	T51128SF-002	41859
T45	790	31.10	51	2.00	T45128SF-001	41876
XT45 *	790	31.10	51	2.00	XT45128SF-001	48105
T51	790	31.10	51	2.00	T51128SF-001	41896

## FURUKAWA - HD 712 (QED)

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
T45	885	34.84	51	2.00	T45128SF-003	41913
T51	885	34.84	51	2.00	T51128SF-003	41912
XT51 *	885	34.84	51	2.00	XT51128SF-003	48044

## FURUKAWA - HD 715 (STD)

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
T51	790	31.10	58	2.28	T51127SF-001	41865
XT51 *	790	31.10	58	2.28	XT51127SF-001	48074

\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS



## FURUKAWA - HD 715 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	885	34.84	58	2.28	T51127SF-002
XT51 *	885	34.84	58	2.28	XT51127SF-002	48041	

## FURUKAWA - HD 822, 826 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	885	34.84	51	2.00	T51132SF-001
XT51 *	885	34.84	51	2.00	XT51132SF-001	48068	

## FURUKAWA - HD 836 (STD)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		GT60	793	31.22	68	2.68	GT60133SF-001

## FURUKAWA - HD 836 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		GT60	900	35.43	68	2.68	GT60133SF-002

## GARDNER DENVER

### GARDNER DENVER - HPR 1

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	620	24.41	45	1.75	T3822SF-002
T45	620	24.41	45	1.75	T4522SF-002	47860	

### GARDNER DENVER - HPR 1 H

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	725	28.54	45	1.75	R3823SF-001
T38	725	28.54	45	1.75	T3823SF-001	47953	
T45	725	28.54	45	1.75	T4523SF-001	47923	

### GARDNER DENVER - HPR 2 H

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	915	36.02	51	2.00	T4524SF-001
T51	915	36.02	51	2.00	T5124SF-001	47924	


\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.


# SHANK ADAPTERS



## GARDNER DENVER - 93


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R25	380	14.96	32	1.24	R254410-001
R32	380	14.96	32	1.24	R324410-001	13397	

## GARDNER DENVER - PR 123 (4 SPLINES)

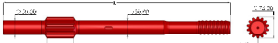
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	380	14.96	44	1.74	R322014-001
R38	380	14.96	44	1.74	R382014-001	11337	
T38	380	14.96	44	1.74	T382014-001	41761	
T45	380	14.96	44	1.74	T452014-001	41759	
R32	446	17.56	44	1.74	R322014-002	11341	
R38	446	17.56	44	1.74	R382014-002	11338	
T38	446	17.56	44	1.74	T382014-002	11339	
T45	446	17.56	44	1.74	T452016-002	11331	

## GARDNER DENVER-REEDRILL-CATERPILLAR


### GARDNER DENVER-REEDRILL-CATERPILLAR - HPR 4519

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	770	30.31	44	1.74	T38301SF-001
T45	770	30.31	44	1.74	T45301SF-001	41866	


### GARDNER DENVER-REEDRILL-CATERPILLAR - HPR 5123

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	770	30.31	51	2.00	T45300SF-001
T51	770	30.31	51	2.00	T51300SF-001	48991	

### GARDNER DENVER-REEDRILL-CATERPILLAR - HPR 5128

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	915	36.02	51	2.00	T4524SF-001
T51	915	36.02	51	2.00	T5124SF-001	47924	

### GARDNER DENVER-REEDRILL-CATERPILLAR - HPR 6030

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	1041	40.98	61	2.39	T51302SF-001
ST58	1041	40.98	61	2.39	ST58302SF-001	41901	
GT60	1041	40.98	61	2.39	GT60302SF-001	48072	

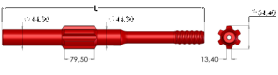
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS

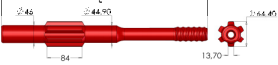


## INGERSOLL RAND

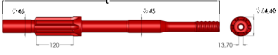
### INGERSOLL RAND - YH 60

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	537	21.14	44	1.74	T383214-001
T45	550	21.65	44	1.74	T453214-002	11335	


### INGERSOLL RAND - YH 65, 70, 80

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	495	19.49	45	1.75	T381419-001
T45	495	19.49	45	1.75	T451419-001	47954	

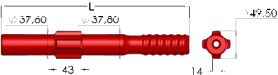
### INGERSOLL RAND - YH 65 RP, 70 RP, 80 RP (REVERSE PERCUSSIVE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	700	27.56	45	1.75	T381519-001
T45	700	27.56	45	1.75	T451519-001	48810	


### INGERSOLL RAND - YH 80 A

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	495	19.49	51	2.00	T451119-001
T51	495	19.49	51	2.00	T511119-001	48922	

### INGERSOLL RAND - YD 90 M

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER		
		mm	In.	mm	In.	USA	AUSTRIA	
		R32	330	12.99	38	1.49	R321310-001	47837
		R38	330	12.99	38	1.49	R381310-001	48830
T38	330	12.99	38	1.49	T381310-001	47863		

### INGERSOLL RAND - YH 95 RP, 100 RP (REVERSE PERCUSSIVE)

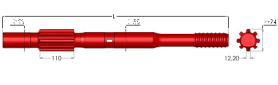
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	840	33.07	51	2.00	T451723-001
T51	840	33.07	51	2.00	T511723-001	47956	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

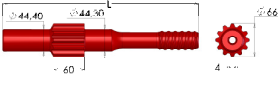
# SHANK ADAPTERS



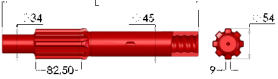
## INGERSOLL RAND - YH 110 V, 135

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	728	28.66	55	2.17	T4510SF-001
	T51	728	28.66	55	2.17	T5110SF-001	48921
	T51	890	35.04	55	2.17	T5110SF-002	48125

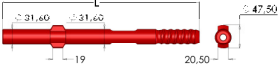
## INGERSOLL RAND - EVL 130, VL 140 (12 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	349	13.74	44	1.74	T381814-001
	T45	349	13.74	44	1.74	T451814-001	48880
	T38	381	15.00	44	1.74	T381814-002	48881
	T45	381	15.00	44	1.74	T451814-002	48882

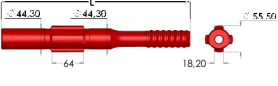
## INGERSOLL RAND - HYDRASTAR 200 (FEMALE-SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	351	13.82	45	1.75	R3299SF-001

## INGERSOLL RAND - 350

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R25	380	14.96	32	1.24	R254410-001
	R32	380	14.96	32	1.24	R324410-001	13397

## INGERSOLL RAND - URD 475 A, 550, VL 120, VL 140, F16

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	380	14.96	44	1.74	R322014-001
	R38	380	14.96	44	1.74	R382014-001	11337
	T38	380	14.96	44	1.74	T382014-001	41761
	T45	380	14.96	44	1.74	T452014-001	41759
	R32	446	17.56	44	1.74	R322014-002	11341
	R38	446	17.56	44	1.74	R382014-002	11338
	T38	446	17.56	44	1.74	T382014-002	11339
	T45	446	17.56	44	1.74	T452016-002	11331

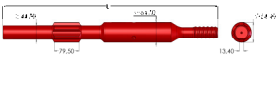
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS



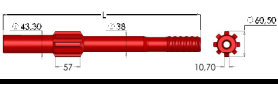
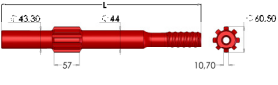
## JOHN HENRY

### JOHN HENRY - HB 101, 102 (MALE)

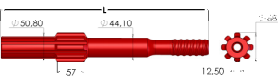
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	690	27.17	65	2.54	T38150SF-003	41754
T45	690	27.17	65	2.54	T45150SF-003	41755	
T51	711	27.99	65	2.54	T51150SF-005	41756	

## JOY

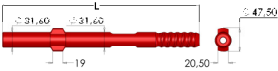
### JOY - VCR 260, 360

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	450	17.72	38	1.50	R387116-006	41813
T38	450	17.72	38	1.50	T387116-006	47844	
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	450	17.72	44	1.73	R387116-005	41767
T38	450	17.72	44	1.73	T387116-005	47848	
T45	450	17.72	44	1.73	T457116-005	47920	

### JOY - VCR 361

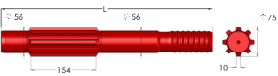
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	440	17.32	44	1.74	T387219-001	48918
T45	440	17.32	44	1.74	T457219-001	47930	

### JOY - 400 RR

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R25	380	14.96	32	1.24	R254410-001	13394
R32	380	14.96	32	1.24	R324410-001	13397	

## KLEMM

### KLEMM - 4026, 4053

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R55 LI	500	19.69	56	2.20	R5525000-001	41811
A55 RE	500	19.69	56	2.20	A5525000-001	41812	


NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS




## KRUPP

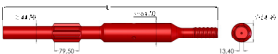
### KRUPP - HB 5A (FLEXI SHAFT)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	473	18.62	36	1.42	R32157SF-004

### KRUPP - HB 5A


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	470	18.50	56	2.20	R38157SF-003

### KRUPP - HB 101

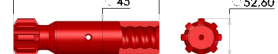
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	690	27.17	65	2.54	T38150SF-003
T45	690	27.17	65	2.54	T45150SF-003	41755	
T51	711	27.99	65	2.54	T51150SF-005	41756	

## MONTABERT


### MONTABERT - HC 20 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	287	11.30	45	1.75	R32181SF-001
T38	300	11.81	45	1.75	T38181SF-001	41986	

### MONTABERT - HC 20 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	187	7.36	45	1.75	R32180SF-001
HEX 22	199	7.83	45	1.75	H22180SF-002	48114	
HEX 25	199	7.83	45	1.75	H25180SF-002	48144	

### MONTABERT - HC 25 (MALE)

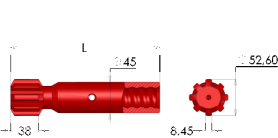
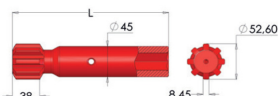
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	340	13.39	45	1.75	R32183SF-001
R38	350	13.78	45	1.75	R38183SF-002	41964	
T38	350	13.78	45	1.75	T38183SF-002	48132	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

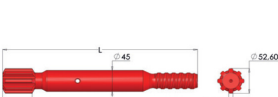
# SHANK ADAPTERS



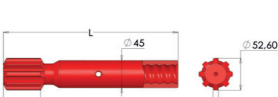
## MONTABERT - HC 25 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R28	202	7.95	45	1.75	R28182SF-001	48020
	R32	202	7.95	45	1.75	R32182SF-001	41930
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	HEX 25	218	8.58	45	1.75	H25182SF-002	48109

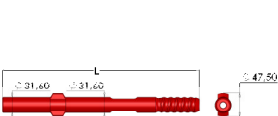
## MONTABERT - HC 28 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T35	385	15.16	45	1.75	T3589SF-003	48148

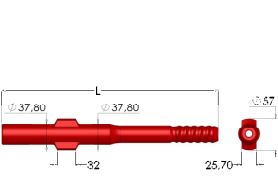
## MONTABERT - HC 28 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	272	10.71	45	1.75	R3289SF-001	48076

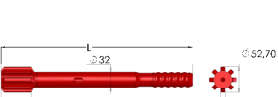
## MONTABERT - TA 35, LC 50 (R)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R25	380	14.96	32	1.24	R254410-001	13394
	R32	380	14.96	32	1.24	R324410-001	13397

## MONTABERT - H 40, 50, 60, 70 (LEYNER)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	38	1.49	R323110-001	11090
	R38	390	15.35	38	1.49	R383110-002	47800
	T38	390	15.35	38	1.49	T383110-002	41789

## MONTABERT - HC 40 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	372	14.65	32	1.25	R3290SF-004	47938

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.



# SHANK ADAPTERS



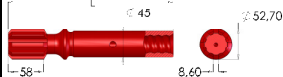
## MONTABERT - HC 40, 50 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	372	14.65	38	1.50	R3290SF-005
R38	380	14.96	38	1.50	R3890SF-005	48817	
T38	381	15.00	38	1.50	T3890SF-006	47984	
R32	440	17.32	38	1.50	R3290SF-003	47986	
R38	440	17.32	38	1.50	R3890SF-003	48848	
T38	447	17.60	38	1.50	T3890SF-003	47985	



## MONTABERT - HC 40, 50 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	270	10.63	45	1.75	R3297SF-001



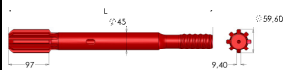
## MONTABERT - HC 80, 90, 105, 108, 109, 120

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	440	17.32	38	1.50	R3291SF-001
R38	440	17.32	38	1.50	R3891SF-001	41797	
T38	440	17.32	38	1.50	T3891SF-001	41824	
R32	500	19.69	38	1.50	R3291SF-002	41983	
R38	500	19.69	38	1.50	R3891SF-002	41815	
T38	500	19.69	38	1.50	T3891SF-002	41787	



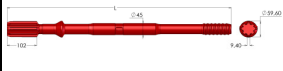
## MONTABERT - HC 80, 108, 109, 120, 150

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	490	19.29	45	1.75	T3892SF-001
T45	490	19.29	45	1.75	T4592SF-001	41814	
T38	540	21.26	45	1.75	T3892SF-002	41881	



## MONTABERT - HC 80 RP, 105 RP, 107 RP, 108 RP, 109 RP

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	670	26.38	45	1.75	T3893SF-001
T45	670	26.38	45	1.75	T4593SF-001	41825	
T45	771	30.35	45	1.75	T4593SF-004	48953	

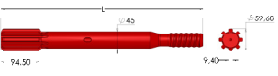


NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.


# SHANK ADAPTERS



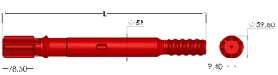
## MONTABERT - HC 95, 95SA

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	438	17.24	45	1.75	R38102SF-001
T38	438	17.24	45	1.75	T38102SF-001	41963	
T45	453	17.83	45	1.75	T45102SF-002	41965	
R38	500	19.69	45	1.75	R38102SF-003	41990	
T38	500	19.69	45	1.75	T38102SF-003	41991	

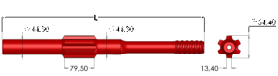
## MONTABERT - HC 95 R, 95 LM

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	503	19.80	45	1.75	R32101SF-001
R38	503	19.80	45	1.75	R38101SF-001	41967	
T38	503	19.80	45	1.75	T38101SF-001	41959	
T45	518	20.39	45	1.75	T45101SF-003	41960	

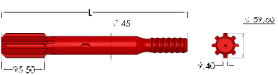
## MONTABERT - HC 95 R, 95 LQ

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	518	20.39	51	2.00	T45101SF-002
T51	530	20.87	51	2.00	T51101SF-004	41962	

## MONTABERT - H 100 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	537	21.14	44	1.74	T383214-001
T45	550	21.65	44	1.74	T453214-002	11335	

## MONTABERT - HC 110 CA/CS

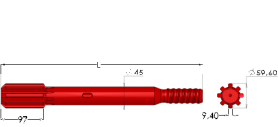
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	415	16.34	45	1.75	R38104SF-001
T38	415	16.34	45	1.75	T38104SF-001	41927	
T45	425	16.73	45	1.75	T45104SF-002	41928	
T38	530	20.87	45	1.75	T38104SF-003	41976	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

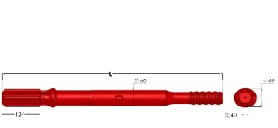
# SHANK ADAPTERS



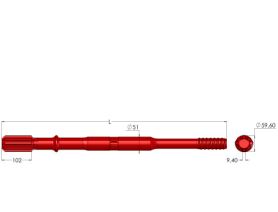
## MONTABERT - HC 110 MT

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	460	18.11	45	1.75	R38103SF-001
T38	460	18.11	45	1.75	T38103SF-001	41985	

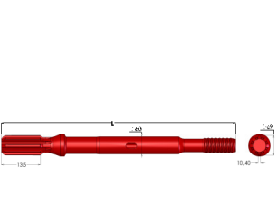
## MONTABERT - HC 112 LH

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	726	28.58	60	2.36	T51100SF-001
GT60	726	28.58	60	2.36	GT60100SF-001	41940	

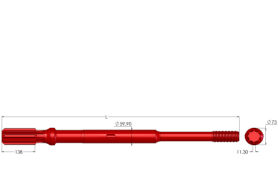
## MONTABERT - HC 120 RP, 150 RP, 155 RP, 158 RP

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	670	26.38	51	2.00	T4593SF-002
T51	670	26.38	51	2.00	T5193SF-002	41826	
T45	771	30.35	51	2.00	T4593SF-003	48954	
T51	771	30.35	51	2.00	T5193SF-003	48955	

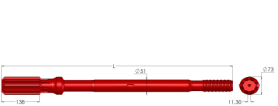
## MONTABERT - HC 160, 170

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	757	29.80	60	2.36	T4596SF-002
T45	810	31.89	60	2.36	T4596SF-001	48994	
T51	810	31.89	60	2.36	T5196SF-001	48995	
GT60	810	31.89	60	2.36	GT6096SF-001	41975	

## MONTABERT - HC 200 A

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	840	33.07	60	2.36	T5195SF-002
GT60	840	33.07	60	2.36	GT6095SF-002	48015	
T51	980	38.58	60	2.36	T5195SF-003	48978	

## MONTABERT - HC 200, 200 R

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	840	33.07	51	2.00	T5195SF-001

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS

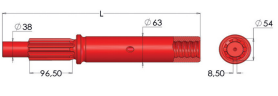


## MORATH

### MORATH - HBL 21 (FEMALE)


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	375	14.76	40	1.57	R32228SF-001
R38	375	14.76	40	1.57	R38228SF-001	41993	
T130	375	14.76	40	1.57	T130228SF-001	41996	
T140	375	14.76	40	1.57	T140228SF-001	41997	

### MORATH - HBL 70, 110 (FEMALE)


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	445	17.52	63	2.48	R32229SF-001
R38	445	17.52	63	2.48	R38229SF-001	41995	
T130	445	17.52	63	2.48	T130229SF-001	41998	
T140	445	17.52	63	2.48	T140229SF-001	41999	

## SANDVIK


### SANDVIK - HLX 1, RD 106

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R22	265	10.43	28	1.10	R2265SF-001
R25	265	10.43	28	1.10	R2565SF-001	48024	
R28	265	10.43	28	1.10	R2865SF-001	48220	


### SANDVIK - HL 300 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	400	15.75	32	1.25	R3257SF-002

### SANDVIK - HL 300 S (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	245	9.65	45	1.75	R3257SF-001

### SANDVIK - RD 308, RD 314, RD 414, HLX 3 (F) (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	410	16.14	38	1.50	R3267SF-002
T38	410	16.14	38	1.50	T3867SF-002	48186	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS



## SANDVIK - RD 308, RD 314, RD 414, HLX 3 (F) (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	205	8.07	45	1.75	R3267SF-001	48060

## SANDVIK - HLR 438 L, 438 T

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	38	1.50	R325113-001	41766
	R38	380	14.96	38	1.50	R385113-001	47847
T38	380	14.96	38	1.50	T385113-001	47845	

## SANDVIK - HLR 438 LS, HL 500-38, HL 510-38, HL 538 BL, HL 550 S

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	550	21.65	38	1.50	R3252SF-002	47945
	R38	550	21.65	38	1.50	R3852SF-002	47895
T38	550	21.65	38	1.50	T3852SF-002	47881	

## SANDVIK - HLX 5, HLX 5 T, HFX 5 T (10 SPLINES)

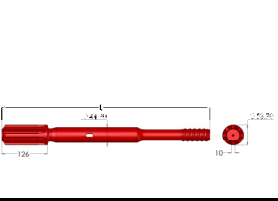
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER		
		mm	In.	mm	In.	USA	AUSTRIA	
	R32	500	19.69	45	1.75	R3260SF-001	48959	
	R38	500	19.69	45	1.75	R3860SF-001	48960	
	T38	500	19.69	45	1.75	T3860SF-001	48952	
	T45	500	19.69	45	1.75	T4560SF-001	48973	
	R38	575	22.64	45	1.75	R3860SF-004	48064	
	T38	575	22.64	45	1.75	T3860SF-004	48988	
	T45	575	22.64	45	1.75	T4560SF-004	48984	
T38	600	23.62	45	1.75	T3860SF-002	48983		
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER		
		mm	In.	mm	In.	USA	AUSTRIA	
	R32	750	29.53	45	1.75	R3260SF-005	48143	
	T38	750	29.53	45	1.75	T3860SF-005	41890	
T45	750	29.53	45	1.75	T4560SF-005	41891		

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

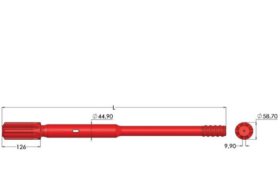
# SHANK ADAPTERS



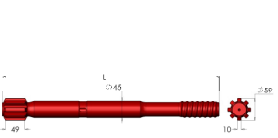
## SANDVIK - HLX 5 PE-45 (8 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	575	22.64	45	1.75	R3261SF-001
T35	575	22.64	45	1.75	T3561SF-001	48082	
T38	575	22.64	45	1.75	T3861SF-001	41888	
T45	575	22.64	45	1.75	T4561SF-001	48158	

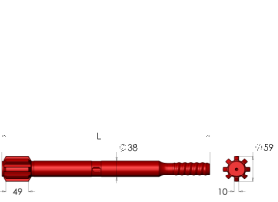
  

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	735	28.94	45	1.75	R3261SF-002
R38	735	28.94	45	1.75	R3861SF-002	48030	
T38	735	28.94	45	1.75	T3861SF-002	48006	
T45	735	28.94	45	1.75	T4561SF-002	48042	

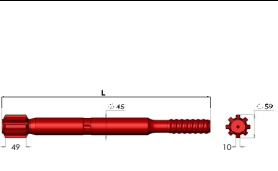
## SANDVIK - HL 500-45, 510-45

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	550	21.65	45	1.75	T3852SF-003
T45	550	21.65	45	1.75	T4552SF-003	48807	

## SANDVIK - HL 500 S-38, 510 S-38, 510 B, 510 LH

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	450	17.72	38	1.50	R3252SF-001
T35	450	17.72	38	1.50	T3552SF-001	47902	
R38	450	17.72	38	1.50	R3852SF-001	47914	
T38	450	17.72	38	1.50	T3852SF-001	47910	
R38	500	19.69	38	1.50	R3852SF-007	48821	

## SANDVIK - HL 510 S-45, 550 SUPER M92, 560 SUPER

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	500	19.69	45	1.75	R3252SF-004
R38	500	19.69	45	1.75	R3852SF-004	47977	
T38	500	19.69	45	1.75	T3852SF-004	47976	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS



## SANDVIK - RD 520, 525 (10 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	525	20.67	45	1.75	R3866SF-001
T38	525	20.67	45	1.75	T3866SF-001	48047	
T45	525	20.67	45	1.75	T4566SF-001	48163	
R32	600	23.62	45	1.75	R3266SF-002	48077	
T38	600	23.62	45	1.75	T3866SF-002	48055	
R32	745	29.33	45	1.75	R3266SF-003	48111	
T38	745	29.33	45	1.75	T3866SF-003	48056	
T45	745	29.33	45	1.75	T4566SF-003	48253	

## SANDVIK - RD 520 PE-45, 525 PE-45 (8 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	600	23.62	45	1.75	R3269SF-002
T38	600	23.62	45	1.75	T3869SF-002	48100	
R32	745	29.33	45	1.75	R3269SF-001	48058	
T35	745	29.33	45	1.75	T3569SF-001	48046	
T38	745	29.33	45	1.75	T3869SF-001	48054	
T45	745	29.33	45	1.75	T4569SF-001	48254	

## SANDVIK - HL 600-45, 600 S-45

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	600	23.62	45	1.75	T3853SF-002
T45	600	23.62	45	1.75	T4553SF-002	47893	

## SANDVIK - HL 650-45, 700-45, 700 T-45, 710-45, 800 T-45, 810 T-45

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	600	23.62	45	1.75	T3858SF-001
T45	600	23.62	45	1.75	T4558SF-001	48876	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

# SHANK ADAPTERS



## SANDVIK - HL 650-52, 700-52, 700 PE-52, 700 S-52, 710-52, 710 PE-52, 710 S-52, 710 SPE-52, 800 T-52, 800 PE-52, 810 T-52, HF 810 T-52

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	600	23.62	52	2.04	R3258SF-002
T35	600	23.62	52	2.04	T3558SF-002	48159	
T38	600	23.62	52	2.04	T3858SF-002	48956	
T45	600	23.62	52	2.04	T4558SF-002	48899	
XT45 *	600	23.62	52	2.04	XT4558SF-002	48075	
T51	600	23.62	52	2.04	T5158SF-002	48900	
XT51 *	600	23.62	52	2.04	XT5158SF-002	48013	

## SANDVIK - TAM 750

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	380	14.96	44	1.74	R322014-001
R38	380	14.96	44	1.74	R382014-001	11337	
T38	380	14.96	44	1.74	T382014-001	41761	
T45	380	14.96	44	1.74	T452014-001	41759	
R32	446	17.56	44	1.74	R322014-002	11341	
R38	446	17.56	44	1.74	R382014-002	11338	
T38	446	17.56	44	1.74	T382014-002	11339	
T45	446	17.56	44	1.74	T452016-002	11331	

## SANDVIK - HL 844

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R38	450	17.72	44	1.73	R387116-005
T38	450	17.72	44	1.73	T387116-005	47848	
T45	450	17.72	44	1.73	T457116-005	47920	

## SANDVIK - RD 900, 900 PE, 900 PE/RP

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	600	23.62	52	2.05	T4575SF-001
T51	600	23.62	52	2.05	T5175SF-001	48224	

\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

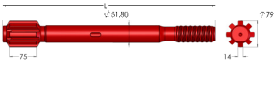
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.



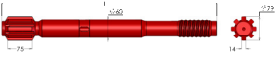
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## SANDVIK - HL 1000-52, 1000 S-52, 1010-52, 1010 S-52

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	590	23.23	52	2.04	T4556SF-002	47896
T51	590	23.23	52	2.04	T5156SF-002	47878	
T45	670	26.38	52	2.04	T4556SF-001	47913	
T51	670	26.38	52	2.04	T5156SF-001	47926	

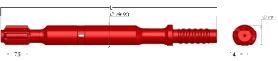
## SANDVIK - HL 1000-60, 1010-60

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	670	26.38	60	2.36	T5156SF-004	48162
ST58	670	26.38	60	2.36	ST5856SF-004	47931	
GT60	670	26.38	60	2.36	GT6056SF-004	48007	

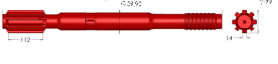
## SANDVIK - HL 1000 PE-65, 1010 PE-65, 1060 T/PE-65, 1500 T/PE-65, 1560 T/PE-65 HF 1560, HF 1560 PE, RD 1635 CF

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	760	29.92	65	2.56	T5162SF-001	48011
ST58	760	29.92	65	2.56	ST5862SF-001	41870	
GT60	760	29.92	65	2.56	GT6062SF-001	48009	
T-WiZ60	760	29.92	65	2.56	TWIZ6062SF-001	48130	

## SANDVIK - HL 1000 T-80, 1010 T-80

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	GT60	760	29.92	80	3.15	GT6056SF-007	48022

## SANDVIK - HL 1500-60, 1500 T-60

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	ST58	710	27.95	60	2.36	ST5859SF-002	48916
GT60	760	29.92	60	2.36	GT6059SF-004	48008	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS.  
VERIFY ALL DIMENSIONS BEFORE ORDERING.

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## SANDVIK - HL 1500-80, 1560 T-80, 1060 T-80, HF 1560

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		ST58	635	25.00	80	3.15	ST5863SF-001
ST68	635	25.00	80	3.15	ST6863SF-001	48152	

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		GT60	760	29.92	80	3.15	GT6063SF-003
XT51 *	860	33.86	80	3.15	XT5163SF-004	48070	

## SANDVIK - HL 1500 T/PE-90, 1500 ST/PE-90, 1560 T/PE-90, 1560 ST/PE-90

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		ST58	635	25.00	90	3.54	ST5868SF-001
ST68	635	25.00	90	3.54	ST6868SF-001	48136	

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		GT60	760	29.92	90	3.54	GT6068SF-002

## SANDVIK - RD 1635CF-80

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		GT60	760	29.92	80	3.15	GT6074SF-001

## SECOMA

### SECOMA - HYDRASTAR 200 (FEMALE-SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	351	13.82	45	1.75	R3299SF-001

### SECOMA - HYDRASTAR 200, 300, 350, X2 (MALE-SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	485	19.09	38	1.50	R3235SF-002
R38	485	19.09	38	1.50	R3835SF-002	47815	
T38	485	19.09	38	1.50	T3835SF-002	11085	
R32	500	19.69	38	1.50	R3235SF-003	41764	
R38	500	19.69	38	1.50	R3835SF-003	41779	
T38	500	19.69	38	1.50	T3835SF-003	47827	

\* XT45 & XT51 = ROCKMORE VECTOR ROD SYSTEM THREADS.

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.

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**SIG**

**SIG - HBM 100**

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	38	1.50	R325113-001	41766
R38	380	14.96	38	1.50	R385113-001	47847	
T38	380	14.96	38	1.50	T385113-001	47845	

NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS.  
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USA

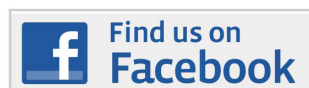
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