

**R O C K M O R E**  
**I N T E R N A T I O N A L**

*Rock Drilling Tools*

2020

TOP HAMMER PRODUCT  
HANDBOOK



**MULTIPOINT**



**EXTRAC**



**VECTOR**  
EXT-THREAD



For all your rock drilling tool needs contact  
**ROCKMORE INTERNATIONAL**



USA

Phone: 503-682-1001  
Fax: 503-682-1002  
E-mail: [info@rockmore-intl.com](mailto:info@rockmore-intl.com)

10065 SW Commerce Circle  
Wilsonville, OR 97070, USA

AUSTRIA

Phone: 43-3572-86300  
Fax: 43-3572-84179  
E-mail: [austria@rockmore-intl.at](mailto:austria@rockmore-intl.at)

Collini - Strasse 2  
A-8750 Judenburg, Austria



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

# Rockmore International

## General Terms and Conditions

### **Prices**

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

### **Delivery**

Freight prepaid on all orders totaling a minimum net invoice value of \$5,000.00. Applicable only to regular ground delivery within the continuous United States (Alaska, Hawaii and Puerto Rico excluded) and with USA final destinations.

Damaged or missing items must be noted on the delivery receipt and confirmed to our office in Wilsonville, OR 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.*

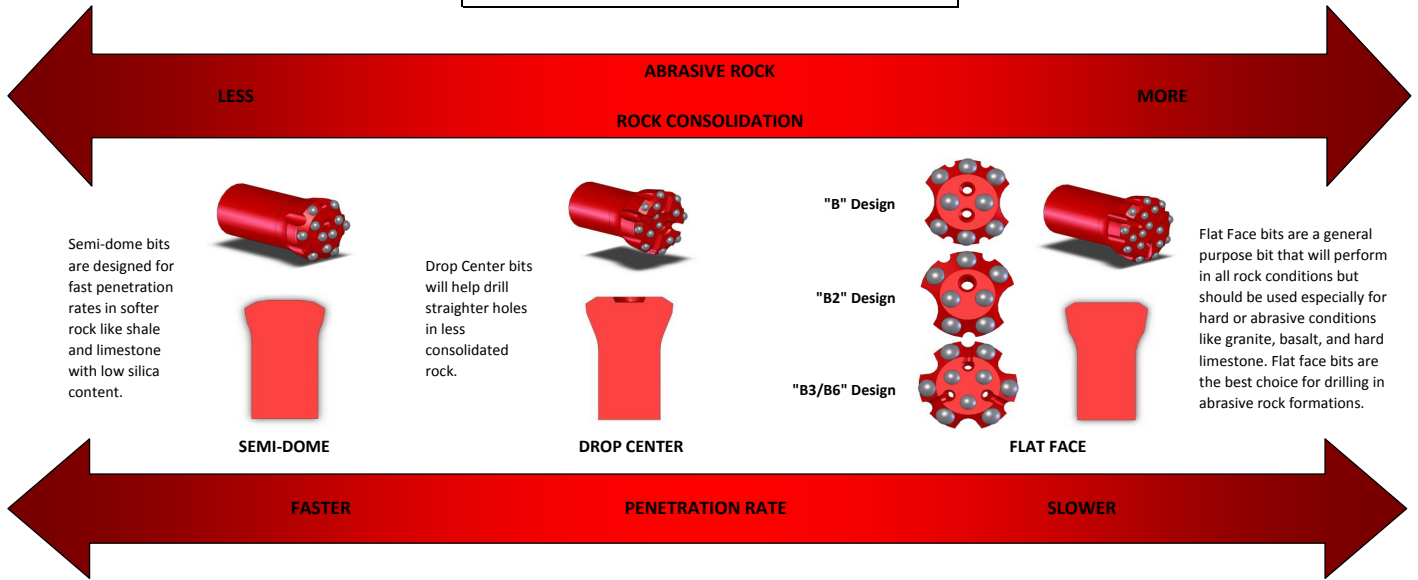
# Table of Contents

	<u>PAGE</u>
Bit Face Selection .....	1
Carbide and Skirt Selection .....	2
Tapered Bits .....	3
Threaded Bits .....	7
Reaming Accessories .....	43
Grinding Accessories .....	46
Integral Drill Rods .....	47
Tapered Drill Rods (HF) .....	48
Tapered Drill Rods (Carburized) .....	49
Couplings & Adapters .....	50
Thread / Coupling Grease .....	52
Round Extension Male/Male Drill Rods (HF) .....	53
Round Extension Male/Male Drill Rods (Carburized) .....	55
Round Extension Male/Female Drill Rods .....	56
Starter Guide Tube Male/Female Drill Rods .....	59
Hex Extension Male/Male Drill Rods .....	62
Hex Extension Male/Female Drill Rods .....	64
Drifting & Tunneling Hex Drill Rods .....	65
Drifting & Tunneling Round Drill Rods .....	69
Shank Rods .....	70
Shank Adapters .....	72

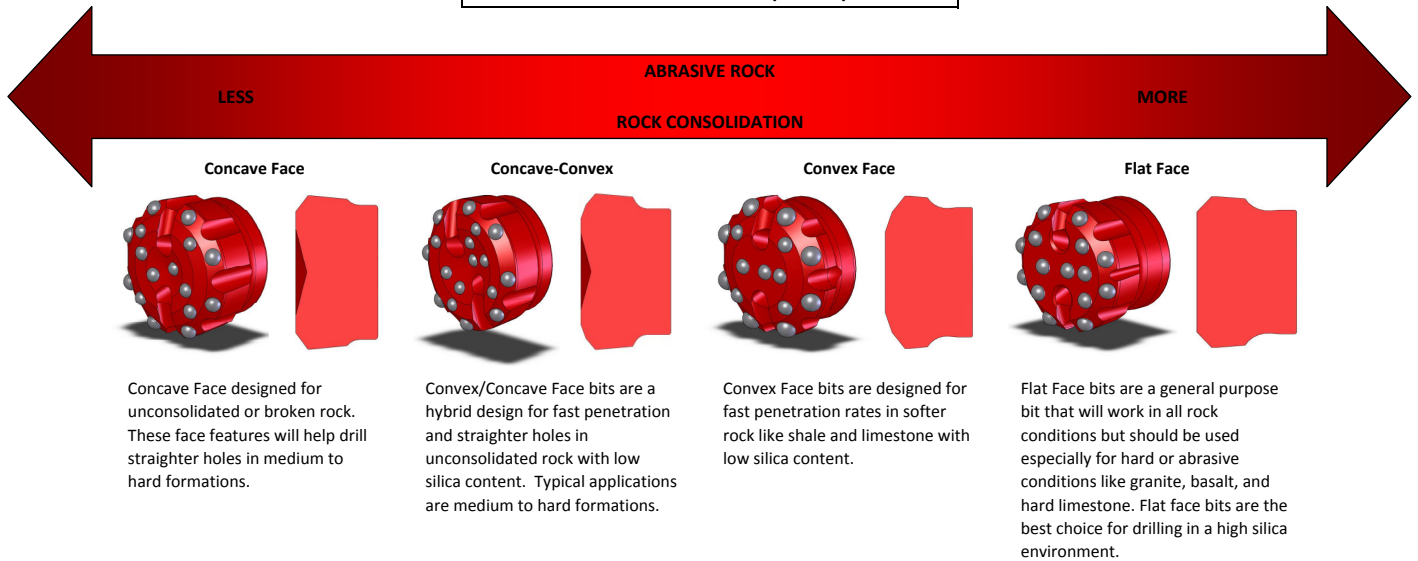


# BIT FACE SELECTION

## TOP-HAMMER BUTTON BITS



## DOWN-THE-HOLE (DTH) BITS



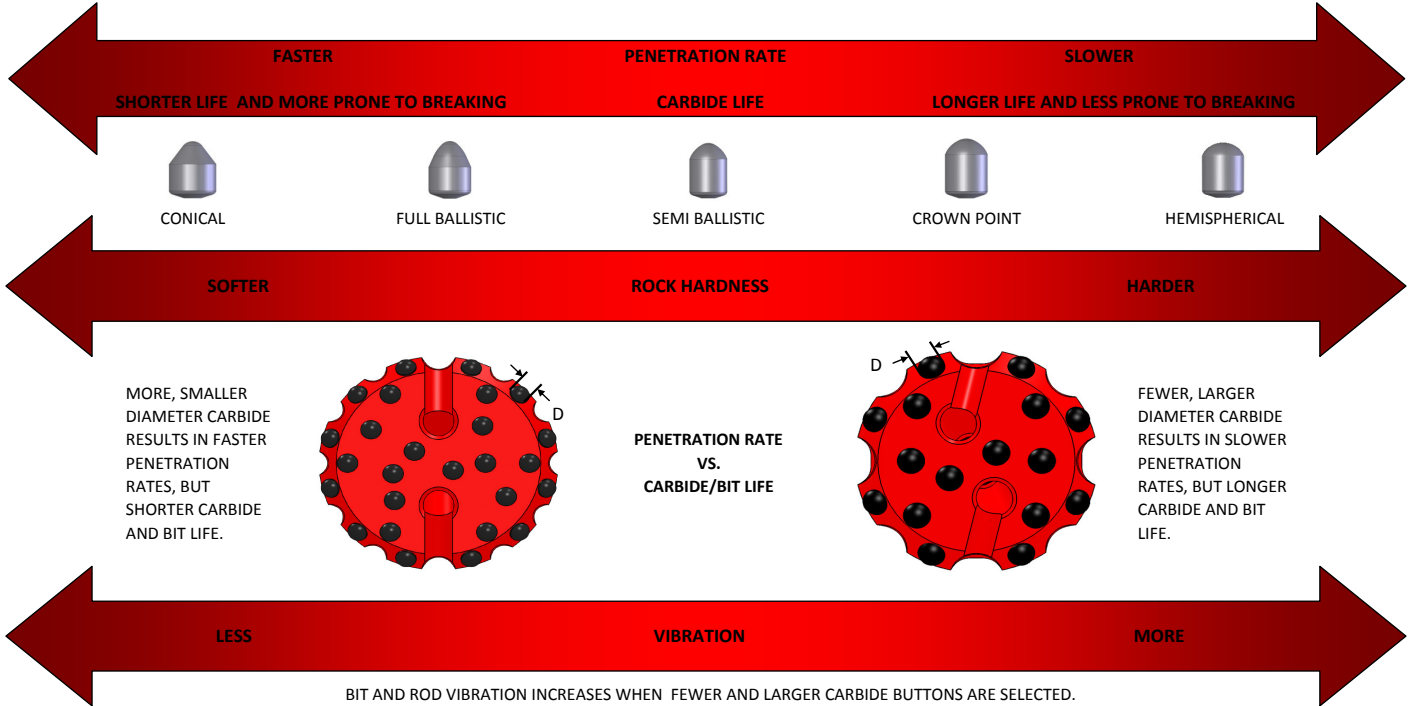
# CARBIDE SELECTION

## 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.

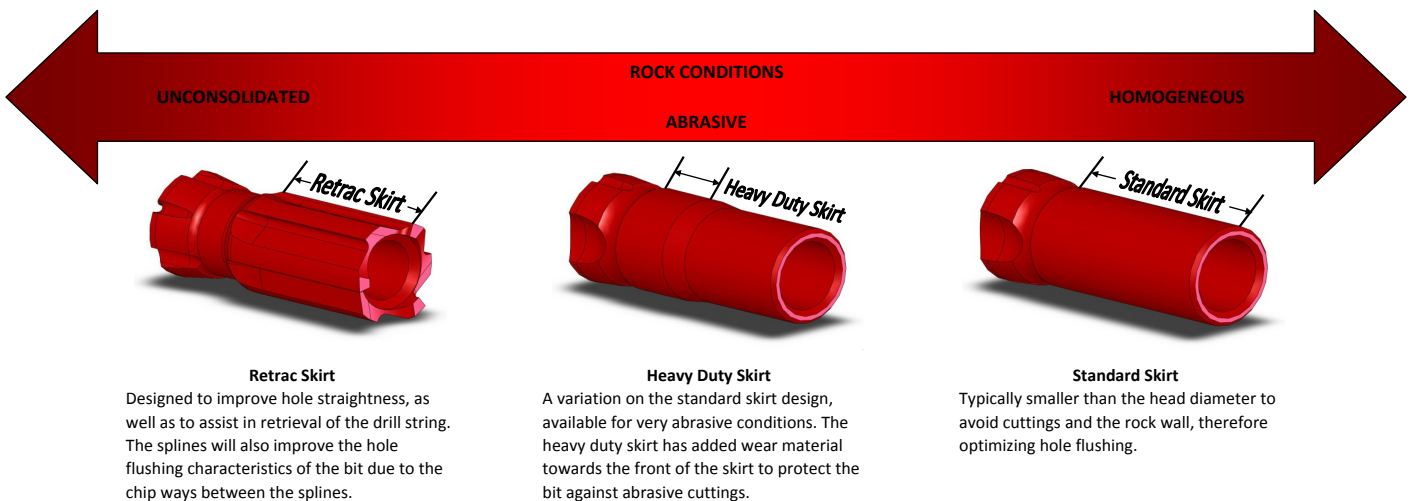


**MULTIPOINT**

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.

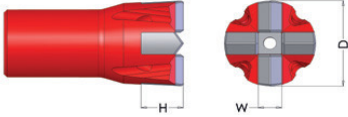
### Standard Skirt

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

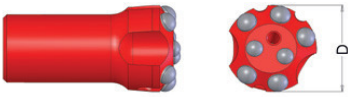
# TAPERED BITS




## 22 mm X 4°46' (7/8" X 4°46')

CROSS MULTI - USE	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	32	1-1/4	T22-32M4-1369	49701
	34	1-11/32	T22-34M4-1352	49703
	35	1-3/8	T22-35M4-1255	49775
	36	1-13/32	T22-36M4-1323	49705
	38	1-1/2	T22-38M4-1437	49707
	40	1-9/16	T22-40M4-1438	49709
	41	1-5/8	T22-41M4-1496	49790
	42	1-21/32	T22-42M4-1038	49711
	45	1-3/4	T22-45M4-1118	49722
	46	1-13/16	T22-46M4-1226	49724
	48	1-7/8	T22-48M4-1497	49791
	51	2	T22-51M4-1367	49712
	57	2-1/4	T22-57M4-1764	49713
	1 FRONT FLUSHING HOLE			








  

B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
	HEM	33	1-5/16	T22-33B24-1297	41025	
	BAL	33	1-5/16	T22-33B24B-1293	41035	
	HEM	35	1-3/8	T22-35B24-1032	41032	
	BAL	35	1-3/8	T22-35B24B-1498	41075	
	HEM	36	1-13/32	T22-36B24-1266	41030	
	HEM	38	1-1/2	T22-38B24-1031	41029	
	BAL	38	1-1/2	T22-38B24B-1499	41076	
	HEM	41	1-5/8	T22-41B24-1138	41027	
	BAL	41	1-5/8	T22-41B24B-1500	41034	
	HEM	45	1-3/4	T22-45B24-1501	41033	
	BAL	45	1-3/4	T22-45B24B-1502	41077	
	HEM	48	1-7/8	T22-48B24-1741	41003	
	BAL	48	1-7/8	T22-48B24B-1760	41005	
	HEM	50	1-31/32	T22-50B24-1359	41059	
	HEM	51	2	T22-51B24-1761	41031	
	BAL	51	2	T22-51B24B-1762	41007	
	1 FRONT FLUSHING HOLE					

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

## CARBIDE PROFILE DESIGNS

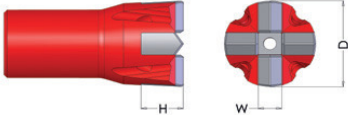
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

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.

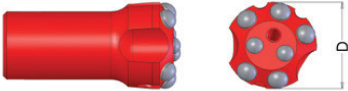
# TAPERED BITS




## 22 mm X 7° (7/8" X 7°)

CROSS MULTI - USE  1 FRONT FLUSHING HOLE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		30	1-3/16	T22-30M7-1696	49758
		32	1-1/4	T22-32M7-1732	49765
		35	1-3/8	T22-35M7-1865	49798
		41	1-5/8	T22-41M7-2414	49746
		45	1-3/4	T22-45M7-1852	49763
		48	1-7/8	T22-48M7-2629	49764

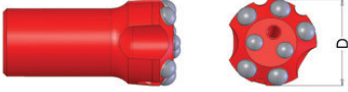
  

B2 DESIGN  1 FRONT FLUSHING HOLE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		BAL	30	1-3/16	T22-30B27B-1736	41073
		BAL	33	1-5/16	T22-33B27B-1375	41074
		HEM	36	1-13/32	T22-36B27-1756	41065
		BAL	36	1-13/32	T22-36B27B-1855	41010
		BAL	38	1-1/2	T22-38B27B-1754	41096
		BAL	41	1-5/8	T22-41B27B-1856	41052
		HEM	45	1-3/4	T22-45B27-2269	41099
		BAL	45	1-3/4	T22-45B27B-2372	41053

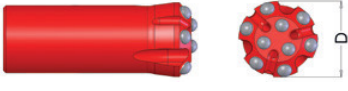
  

22 MM (7/8") KNOCK-OFF BLOCK 		PART NUMBER	
		USA	AUSTRIA
		KOB22T	46297

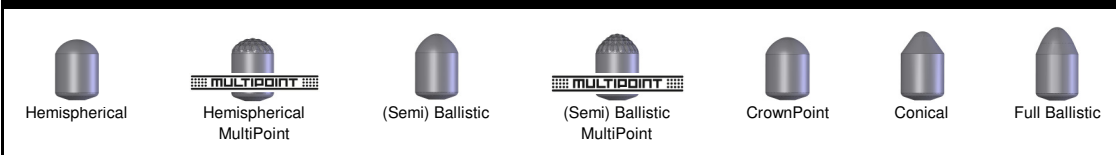
## 25 mm X 7° (1" X 7°)

B2 DESIGN  1 FRONT FLUSHING HOLE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	34	1-11/32	T25-34B27-3223	41060
		BAL	36	1-13/32	T25-36B27B-1868	41013
		HEM	41	1-5/8	T25-41B27-1867	41012
		BAL	41	1-5/8	T25-41B27B-1863	41011

B3 DESIGN  3 FRONT FLUSHING HOLES		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		CP	41	1-5/8	T25-41B37CP-3364	41019
		BAL	41	1-5/8	T25-41B37B-3363	41018
		BAL	43	1-11/16	T25-43B37B-3002	41093
		BAL	45	1-3/4	T25-45B37B-3131	41004

### CARBIDE PROFILE DESIGNS

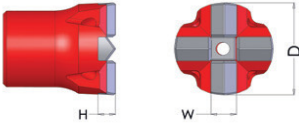
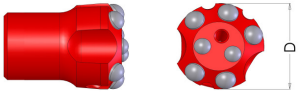



HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.








# TAPERED BITS



## 22 mm X 11° (7/8" X 11°)

CROSS SINGLE - USE		DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
 <p>1 FRONT FLUSHING HOLE</p>	28	1-1/8	T22-28S11-550	49792		
	32	1-1/4	T22-32S11-551	49776		
	35	1-3/8	T22-35S11-866	49749		
	38	1-1/2	T22-38S11-552	49736		
	41	1-5/8	T22-41S11-211	49752		
	45	1-3/4	T22-45S11-553	49737		
	48	1-7/8	T22-48S11-554	49747		
	51	2	T22-51S11-555	49750		
B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
	 <p>1 FRONT FLUSHING HOLE</p>	HEM	32	1-1/4	T22-32B211-2679	41024
		BAL	32	1-1/4	T22-32B211B-2359	41023
		HEM	33	1-5/16	T22-33B211-1505	41079
		BAL	33	1-5/16	T22-33B211B-1506	41080
		HEM	35	1-3/8	T22-35B211-1507	41081
		CP	35	1-3/8	T22-35B211CP-3366	41040
		BAL	35	1-3/8	T22-35B211B-1254	41041
		HEM	38	1-1/2	T22-38B211-1508	41082
		BAL	38	1-1/2	T22-38B211B-1239	41042
		HEM	41	1-5/8	T22-41B211-1509	41083
		BAL	41	1-5/8	T22-41B211B-1510	41084
		HEM	45	1-3/4	T22-45B211-1511	41085
BAL		45	1-3/4	T22-45B211B-1512	41086	
22 MM (7/8") KNOCK-OFF BLOCK		PART NUMBER				
	USA		AUSTRIA			
	KOB22T		46297			

## CARBIDE PROFILE DESIGNS

						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

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 12° (7/8" X 12°)

CROSS SINGLE - USE		DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
<p>1 FRONT FLUSHING HOLE</p>	32	1-1/4	T22-32S12-606	49781		
	35	1-3/8	T22-35S12-607	49782		
	38	1-1/2	T22-38S12-608	49771		
	41	1-5/8	T22-41S12-609	49783		
	45	1-3/4	T22-45S12-610	49784		
	48	1-7/8	T22-48S12-611	49785		
	51	2	T22-51S12-612	49786		
CROSS MULTI - USE		DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
<p>1 FRONT FLUSHING HOLE</p>	32	1-1/4	T22-32M12-129	49731		
	35	1-3/8	T22-35M12-714	49739		
	38	1-1/2	T22-38M12-713	49760		
	41	1-5/8	T22-41M12-712	49787		
	45	1-3/4	T22-45M12-711	49788		
	48	1-7/8	T22-48M12-1513	49793		
	51	2	T22-51M12-1514	49794		
B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
	<p>1 FRONT FLUSHING HOLE</p>	BAL	31	1-7/32	T22-31B212B-1653	41016
		HEM	32	1-1/4	T22-32B212-1848	41048
		BAL	32	1-1/4	T22-32B212B-1169	41057
		HEM	33	1-5/16	T22-33B212-2627	41014
		BAL	33	1-5/16	T22-33B212B-1493	41015
		HEM	35	1-3/8	T22-35B212-100	41046
		BAL	35	1-3/8	T22-35B212B-1398	41064
		HEM	38	1-1/2	T22-38B212-690	41047
		BAL	38	1-1/2	T22-38B212B-1399	41049
		HEM	41	1-5/8	T22-41B212-102	41069
		BAL	41	1-5/8	T22-41B212B-1246	41050
		HEM	45	1-3/4	T22-45B212-101	41070
BAL		45	1-3/4	T22-45B212B-1515	41087	
22 MM (7/8") KNOCK-OFF BLOCK			PART NUMBER			
			USA	AUSTRIA		
	KOB22T		46297			

## CARBIDE PROFILE DESIGNS

Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

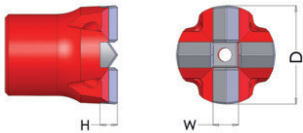
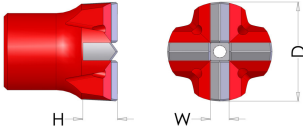
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



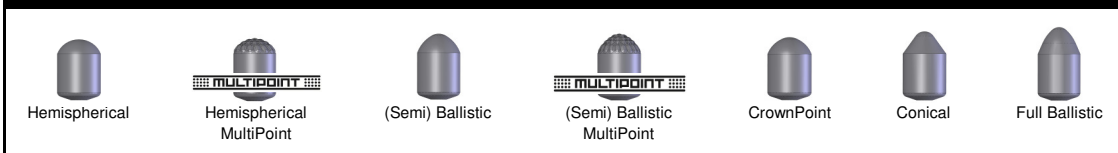
# THREADED BITS



## "H" THREAD

CROSS SINGLE - USE	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
 <p>1 FRONT FLUSHING HOLE</p>	35	1-3/8	H-35S-158	41107
	38	1-1/2	H-38S-159	41108
	41	1-5/8	H-41S-160	41109
	45	1-3/4	H-45S-161	41110
	48	1-7/8	H-48S-162	41111
	51	2	H-51S-163	41112
	57	2-1/4	H-57S-164	41113
CROSS MULTI - USE	DIAMETER (D)		PART NUMBER	
 <p>1 FRONT FLUSHING HOLE</p>	mm	In.	USA	AUSTRIA
	35	1-3/8	H-35M-165	41114
	38	1-1/2	H-38M-166	41115
	41	1-5/8	H-41M-167	41116
	45	1-3/4	H-45M-168	41117
	48	1-7/8	H-48M-169	41118
	51	2	H-51M-170	41119
	57	2-1/4	H-57M-171	41120
	64	2-1/2	H-64M-172	41121
	70	2-3/4	H-70M-572	41122
76	3	H-76M-573	41123	

## CARBIDE PROFILE DESIGNS

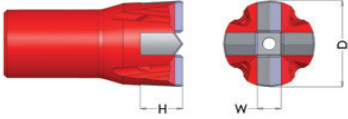


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.


# THREADED BITS



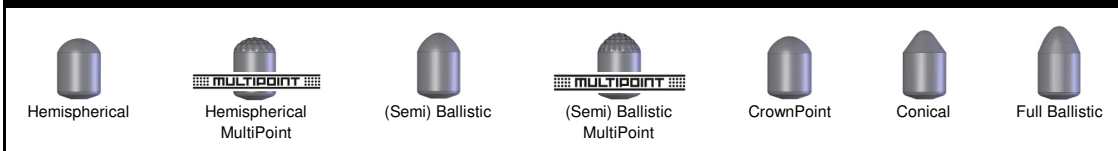
## R22 7/8" ROPE THREAD

CROSS MULTI - USE 	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	35	1-3/8	R22-35M-808	49679
	38	1-1/2	R22-38M-807	49651
	41	1-5/8	R22-41M-949	49662

B2 DESIGN 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	32	1-1/4	R22-32B2-4079	44241
	BAL	32	1-1/4	R22-32B2B-2979	44705
	HEM	34	1-11/32	R22-34B2-3129	44237
	BAL	34	1-11/32	R22-34B2B-3130	44238
	HEM	35	1-3/8	R22-35B2-923	44503
	HEM	38	1-1/2	R22-38B2-924	44599
	HEM	41	1-5/8	R22-41B2-1517	44614
	HEM	43	1-11/16	R22-43B2-4080	41193
	HEM	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

CROSS MULTI - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
<p>1 FRONT FLUSHING HOLE</p>	35	1-3/8	R25-35M-415	49673	
	38	1-1/2	R25-38M-413	49600	
	41	1-5/8	R25-41M-663	49601	
	43	1-11/16	R25-43M-4081	49602	
	45	1-3/4	R25-45M-414	49603	
	48	1-7/8	R25-48M-771	49640	
	51	2	R25-51M-854	49660	
	57	2-1/4	R25-57M-863	49658	

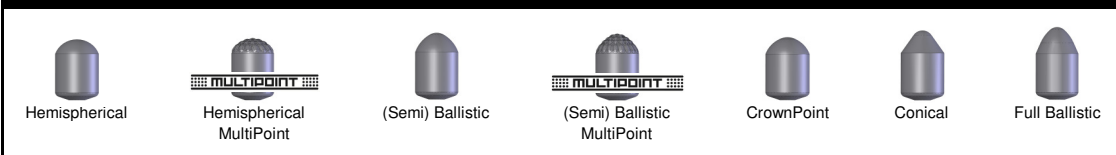
  

B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
<p>* LARGER CARBIDE</p>	HEM	32	1-1/4	R25-32B2-941	44124
	BAL	32	1-1/4	R25-32B2B-1383	44125
	HEM	33	1-5/16	R25-33B2-1434	44847
	BAL	33	1-5/16	R25-33B2B-1519	44616
	HEM	35	1-3/8	R25-35B2-1130	44741
	BAL	35	1-3/8	R25-35B2B-1458	44647
	HEM	36	1-13/32	R25-36B2-769	44507
	HEM	38	1-1/2	R25-38B2-1520	44617
	HEM	38	1-1/2	R25-38B2-410 *	44743
	BAL	38	1-1/2	R25-38B2B-1521	44754
	HEM	41	1-5/8	R25-41B2-082	44673
	BAL	41	1-5/8	R25-41B2B-1483	44677
	HEM	43	1-11/16	R25-43B2-1390	44623
	BAL	43	1-11/16	R25-43B2B-1765	44991
	HEM	45	1-3/4	R25-45B2-407	44602
	BAL	45	1-3/4	R25-45B2B-408	44603
	HEM	48	1-7/8	R25-48B2-083	44326
	BAL	48	1-7/8	R25-48B2B-406	44327
	HEM	51	2	R25-51B2-085	44328
	BAL	51	2	R25-51B2B-2628	44329

B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
<p>3 FRONT FLUSHING HOLES</p>	HEM	45	1-3/4	R25-45B3-1522	44618
	BAL	45	1-3/4	R25-45B3B-1523	44619
	HEM	48	1-7/8	R25-48B3-1524	44624
	BAL	48	1-7/8	R25-48B3B-1525	44625
	HEM	51	2	R25-51B3-1526	44767
	BAL	51	2	R25-51B3B-1527	44626
	HEM	57	2-1/4	R25-57B3-1528	44629
	BAL	57	2-1/4	R25-57B3B-1529	44632
	BAL	60	2-3/8	R25-60B3B-3401	44188



### 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		(CONTINUED)			
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 1 FRONT FLUSHING HOLE	BAL	41	1-5/8	R25-41BFRTB-1738	44968
	BAL	43	1-11/16	R25-43BFRTB-3749	44062
	BAL	45	1-3/4	R25-45BFRTB-3750	44063
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 3 FRONT FLUSHING HOLES	HEM	48	1-7/8	R25-48BFRT-3251	44221
	BAL	48	1-7/8	R25-48BFRTB-3252	44222
	BAL	51	2	R25-51BFRTB-2816	44254
	HEM	57	2-1/4	R25-57BFRT-3584	41189
	BAL	57	2-1/4	R25-57BFRTB-3580	41187
	BAL	60	2-3/8	R25-60BFRTB-3402	44189

CARBIDE PROFILE DESIGNS						
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic
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.						

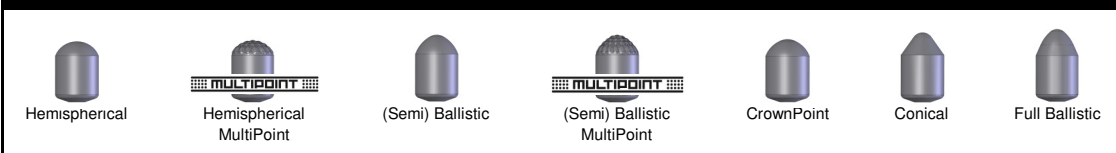
# THREADED BITS



## R28 1-1/8" ROPE THREAD

CROSS MULTI - USE  1 FRONT FLUSHING HOLE		DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
		35	1-3/8	R28-35M-1530	49696	
		38	1-1/2	R28-38M-419	49604	
		41	1-5/8	R28-41M-386	49605	
		45	1-3/4	R28-45M-387	49607	
B2 DESIGN  * LARGER CARBIDE		DIAMETER (D)		PART NUMBER		
		CARBIDE DESIGN	mm	In.	USA	AUSTRIA
		HEM	36	1-13/32	R28-36B2-216	44792
		BAL	36	1-13/32	R28-36B2B-1766	44990
		HEM	38	1-1/2	R28-38B2-1291	44664
		BAL	38	1-1/2	R28-38B2B-2575	44633
		BAL	38	1-1/2	R28-38B2B-694 *	44727
		HEM	41	1-5/8	R28-41B2-788	44628
		BAL	41	1-5/8	R28-41B2B-1804	44656
		HEM	43	1-11/16	R28-43B2-1481	44994
		BAL	43	1-11/16	R28-43B2B-1767	44661
		HEM	45	1-3/4	R28-45B2-976	44729
		BAL	45	1-3/4	R28-45B2B-461	44563
		HEM	48	1-7/8	R28-48B2-091	44887
B DESIGN  2 FRONT FLUSHING HOLES		DIAMETER (D)		PART NUMBER		
		CARBIDE DESIGN	mm	In.	USA	AUSTRIA
		HEM	43	1-11/16	R28-43B-1349	44807
		BAL	43	1-11/16	R28-43BB-1538	44713
		BAL	45	1-3/4	R28-45BB-1573	44826
B3 DESIGN  3 FRONT FLUSHING HOLES		DIAMETER (D)		PART NUMBER		
		CARBIDE DESIGN	mm	In.	USA	AUSTRIA
		HEM	45	1-3/4	R28-45B3-975	44564
		BAL	45	1-3/4	R28-45B3B-1532	44662
		HEM	48	1-7/8	R28-48B3-1533	44683
		BAL	48	1-7/8	R28-48B3B-1534	44698
		HEM	51	2	R28-51B3-1347	44753
		BAL	51	2	R28-51B3B-1535	44699

### CARBIDE PROFILE DESIGNS

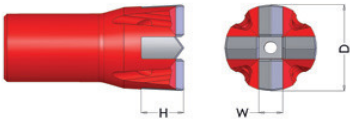
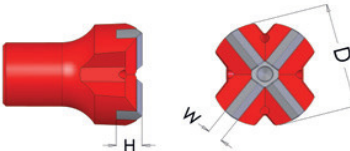

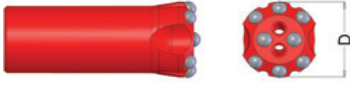


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

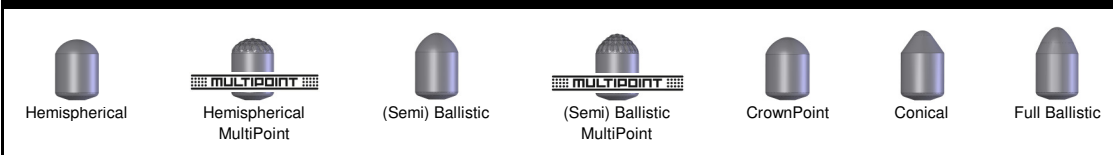
# THREADED BITS



## R32 1-1/4" ROPE THREAD

CROSS MULTI - USE	DIAMETER (D)		PART NUMBER		
	mm	In.	USA	AUSTRIA	
 <p>1 FRONT FLUSHING HOLE</p>	41	1-5/8	R32-41M-138	49608	
	43	1-11/16	R32-43M-416	49614	
	45	1-3/4	R32-45M-139	49615	
	48	1-7/8	R32-48M-140	49616	
	51	2	R32-51M-141	49617	
	57	2-1/4	R32-57M-142	49618	
	76	3	R32-76MHD-147	49670	
X MULTI - USE	DIAMETER (D)		PART NUMBER		
 <p>1 FRONT FLUSHING HOLE</p>	mm	In.	USA	AUSTRIA	
	64	2-1/2	R32-64X-269	49619	
	70	2-3/4	R32-70XHD-146	49645	
	76	3	R32-76XHD-148	49678	
	89	3-1/2	R32-89XHD-400	49647	
102	4	R32-102XHD-401	49692		
B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
 <p>1 FRONT FLUSHING HOLE * 2 SIDE FLUSH HOLES</p>	mm	In.	USA	AUSTRIA	
	HEM	41	1-5/8	R32-41B2-001	44649
	BAL	41	1-5/8	R32-41B2B-364	44650
	HEM	43	1-11/16	R32-43B2-193	44636
	CP	43	1-11/16	R32-43B2CP-2863	44267
	BAL	43	1-11/16	R32-43B2B-1253	44648
	HEM	45	1-3/4	R32-45B2-002	44652
	BAL	45	1-3/4	R32-45B2B-671	44651
	HEM	48	1-7/8	R32-48B2-1110	44530
	HEM	48	1-7/8	R32-48B2-1394 *	44529
	BAL	48	1-7/8	R32-48B2B-362 *	44659
	HEM	51	2	R32-51B2-358	44757
BAL	51	2	R32-51B2B-366	44567	
B DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
 <p>2 FRONT FLUSHING HOLES * 1 SIDE FLUSH HOLE</p>	mm	In.	USA	AUSTRIA	
	HEM	41	1-5/8	R32-41B-452	44803
	HEM	41	1-5/8	R32-41B-2529 *	44346
	BAL	41	1-5/8	R32-41BB-2530 *	44347
	HEM	43	1-11/16	R32-43B-1541	44716
	BAL	43	1-11/16	R32-43BB-1542	44717
	HEM	45	1-3/4	R32-45B-697	44740
	BAL	45	1-3/4	R32-45BB-176	44755
	HEM	48	1-7/8	R32-48B-1543	44718
	BAL	48	1-7/8	R32-48BB-973	44798
	HEM	51	2	R32-51B-1252	44453
	BAL	51	2	R32-51BB-179 *	44827
FB	51	2	R32-51BB-2887	44263	

### CARBIDE PROFILE DESIGNS





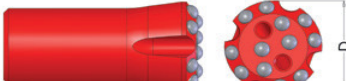

HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



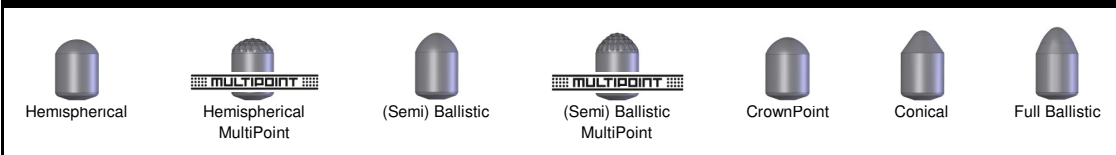
# THREADED BITS



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

B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	43	1-11/16	R32-43B3-1850	44324
	BAL	43	1-11/16	R32-43B3B-1224	44325
	HEM	45	1-3/4	R32-45B3-1295	44675
	HEM	45	1-3/4	R32-45B3-755 *	44726
	CP	45	1-3/4	R32-45B3CP-2613	44273
	BAL	45	1-3/4	R32-45B3B-384	44704
	BAL	45	1-3/4	R32-45B3B-1945 *	44728
	HEM	48	1-7/8	R32-48B3-1485	44690
	HEM	48	1-7/8	R32-48B3-760 *	44694
	CP	48	1-7/8	R32-48B3CP-2765	44265
	BAL	48	1-7/8	R32-48B3B-699	44787
	BAL	48	1-7/8	R32-48B3B-2398 *	44322
	HEM	51	2	R32-51B3-361	44756
	HEM	51	2	R32-51B3-3535 *	44712
	CP	51	2	R32-51B3CP-2617	44323
	BAL	51	2	R32-51B3B-383	44802
	BAL	54	2-1/8	R32-54B3B-3360	44197
	HEM	57	2-1/4	R32-57B3-1283	44730
	BAL	57	2-1/4	R32-57B3B-1539	44791
	HEM	64	2-1/2	R32-64B3-1471	44544
BAL	64	2-1/2	R32-64B3B-1540	44570	
3 FRONT FLUSHING HOLES * LARGER CARBIDE					
B6 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	43	1-11/16	R32-43B6-3460	44175
	CP	43	1-11/16	R32-43B6CP-3257	44218
	HEM	45	1-3/4	R32-45B6-3039	44247
	CP	45	1-3/4	R32-45B6CP-3040	44249
	BAL	45	1-3/4	R32-45B6B-3041	44248
	HEM	48	1-7/8	R32-48B6-3066	44230
	CP	48	1-7/8	R32-48B6CP-3112	44219
	BAL	48	1-7/8	R32-48B6B-3197	44231
3 FRONT FLUSHING HOLES					
FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	R32-64BF-011	44571
	BAL	64	2-1/2	R32-64BFB-1392	44572
2 FRONT FLUSHING HOLES					
FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	R32-76BF-017	44731
	BAL	76	3	R32-76BFB-1544	44725
2 FRONT FLUSHING HOLES					

### CARBIDE PROFILE DESIGNS

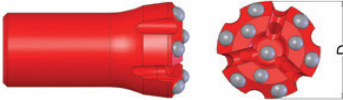
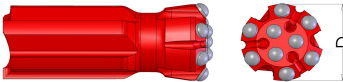
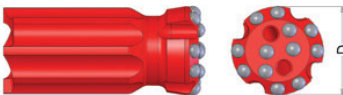
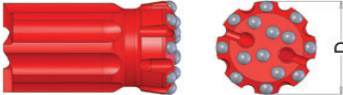
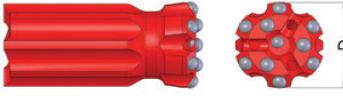
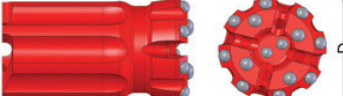


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.








# THREADED BITS



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

DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 3 FRONT FLUSHING HOLES	HEM	64	2-1/2	R32-64BDC-1456	44573
	BAL	64	2-1/2	R32-64BDCB-1457	44574
	HEM	76	3	R32-76BDC-777	44577
	BAL	76	3	R32-76BDCB-775	44578
	HEM	89	3-1/2	R32-89BDC-1250	44579
	BAL	89	3-1/2	R32-89BDCB-1362	44580
 3 FRONT FLUSHING HOLES	HEM	48	1-7/8	R32-48BFRT-1763	44540
		48	1-7/8	R32-48BFRTB-1742	44542
	BAL	51	2	R32-51BFRT-1331	41174
		51	2	R32-51BFRTB-1486	44758
	HEM	54	2-1/8	R32-54BFRTB-3276	44216
		57	2-1/4	R32-57BFRT-1337	41173
	BAL	57	2-1/4	R32-57BFRTB-1546	44806
 2 FRONT FLUSHING HOLES	HEM	64	2-1/2	R32-64BFRT-2634	44666
		64	2-1/2	R32-64BFRTB-2331	44780
	BAL	64	2-1/2		
 2 FRONT FLUSHING HOLES	HEM	76	3	R32-76BFRT-2635	44732
		76	3	R32-76BFRTB-2339	44873
	BAL	76	3		
 3 FRONT FLUSHING HOLES	HEM	64	2-1/2	R32-64BRTDC-2636	44874
		64	2-1/2	R32-64BRTDCB-2637	44875
	BAL	76	3	R32-76BRTDC-4082	44799
 4 FRONT FLUSHING HOLES	HEM	89	3-1/2	R32-89BRTDC-3895	41192
		89	3-1/2	R32-89BRTDCC-3000	41185
	CON	89	3-1/2		

### CARBIDE PROFILE DESIGNS


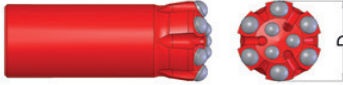
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

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.

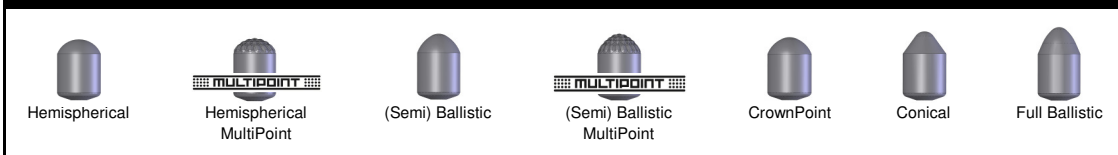
# THREADED BITS



## XR32 1-1/4" ROPE THREAD (ROCKMORE XR32 THREAD SYSTEM)

B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 3 FRONT FLUSHING HOLES * LARGER CARBIDE	HEM	45	1-3/4	XR32-45B3-2518 *	44269
	BAL	45	1-3/4	XR32-45B3B-2448 *	44270
B6 DESIGN  3 FRONT FLUSHING HOLES	HEM	45	1-3/4	XR32-45B6-3062	44244
	BAL	45	1-3/4	XR32-45B6B-3198	44245
	HEM	48	1-7/8	XR32-48B6-3411	44184
	BAL	48	1-7/8	XR32-48B6B-3410	44185

### CARBIDE PROFILE DESIGNS

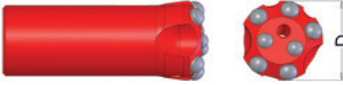




HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

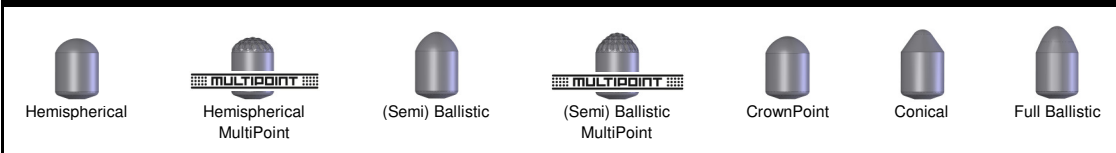
# THREADED BITS



## R35 1-3/8" ROPE THREAD

B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 1 FRONT FLUSHING HOLE	HEM	48	1-7/8	R35-48B2-3485	44454
	BAL	48	1-7/8	R35-48B2B-3701	44123
	HEM	51	2	R35-51B2-1934	44455
	BAL	51	2	R35-51B2B-1894	44268
B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 3 FRONT FLUSHING HOLES * LARGER CARBIDE	BAL	45	1-3/4	R35-45B3B-3527	44151
	HEM	48	1-7/8	R35-48B3-1574	44833
	BAL	48	1-7/8	R35-48B3B-1662	44911
	BAL	48	1-7/8	R35-48B3B-2129 *	44381
	HEM	51	2	R35-51B3-1576	44834
	BAL	51	2	R35-51B3B-1671	44913
 3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	45	1-3/4	R35-45B6B-3505	44159
	HEM	48	1-7/8	R35-48B6-3483	44171
CP	48	1-7/8	R35-48B6CP-3121	44240	

### CARBIDE PROFILE DESIGNS

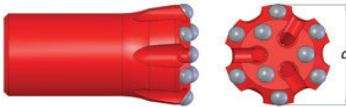
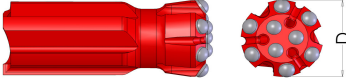


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

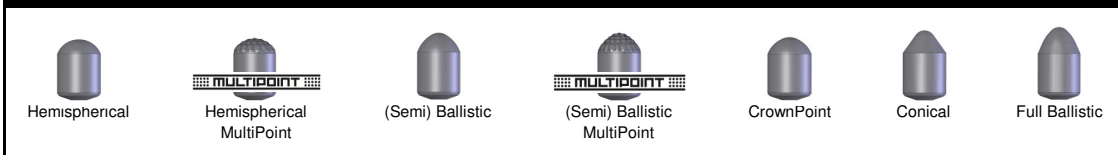
# THREADED BITS



## T35 1-3/8"

B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 3 FRONT FLUSHING HOLES	HEM	54	2-1/8	T35-54B3-3560	41140
	BAL	54	2-1/8	T35-54B3B-4084	41141
	HEM	57	2-1/4	T35-57B3-3558	41144
	BAL	57	2-1/4	T35-57B3B-4085	41145
 3 FRONT FLUSHING HOLES	HEM	54	2-1/8	T35-54BFRT-3561	41142
	BAL	54	2-1/8	T35-54BFRTB-4041	41143
	HEM	57	2-1/4	T35-57BFRT-3559	41146
	BAL	57	2-1/4	T35-57BFRTB-4042	41147

### CARBIDE PROFILE DESIGNS

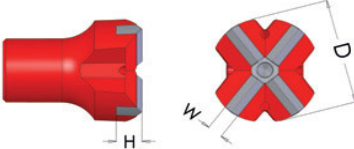


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

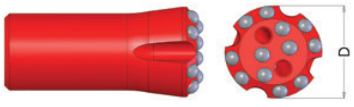
# THREADED BITS



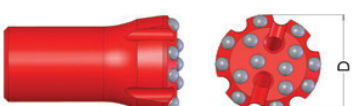
## R38 1-1/2" ROPE THREAD

X MULTI - USE  1 FRONT FLUSHING HOLE	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	64	2-1/2	R38-64X-352	49653
70	2-3/4	R38-70XHD-422	49621	
76	3	R38-76XHD-427	49622	
89	3-1/2	R38-89XHD-425	49623	
102	4	R38-102XHD-426	49663	

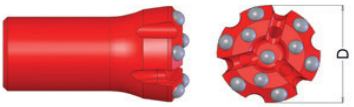
  

FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	R38-64BF-747	44687
BAL	64	2-1/2	R38-64BFB-1552	44876	

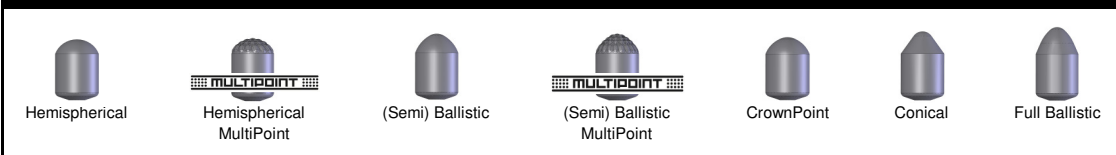
  

FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	R38-76BF-1436	44682
BAL	76	3	R38-76BFB-1553	44877	
HEM	89	3-1/2	R38-89BF-1554	44508	
BAL	89	3-1/2	R38-89BFB-1555	44878	
HEM	102	4	R38-102BF-1385	44630	
BAL	102	4	R38-102BFB-1556	44879	

DROP CENTER  3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	R38-64BDC-1557	44880
BAL	64	2-1/2	R38-64BDCB-1558	44881	
HEM	70	2-3/4	R38-70BDC-181	44575	
BAL	70	2-3/4	R38-70BDCB-933	44576	
HEM	76	3	R38-76BDC-429	44559	
BAL	76	3	R38-76BDCB-776	44560	
HEM	89	3-1/2	R38-89BDC-905	44561	
BAL	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"

X MULTI - USE	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
<p>1 FRONT FLUSHING HOLE</p>	64	2-1/2	T38-64X-215	49644
	70	2-3/4	T38-70XHD-152	49627
	76	3	T38-76XHD-154	49628
	89	3-1/2	T38-89XHD-155	49629
	102	4	T38-102XHD-837	49689

B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
<p>3 FRONT FLUSHING HOLES * LARGER CARBIDE</p>	HEM	57	2-1/4	T38-57B3-1563	44884
	BAL	57	2-1/4	T38-57B3B-1564	44885
	HEM	64	2-1/2	T38-64B3-1470	44805
	HEM	64	2-1/2	T38-64B3-2383 *	44321
	BAL	64	2-1/2	T38-64B3B-1565	44886

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
<p>1 FRONT FLUSHING HOLE</p>	HEM	57	2-1/4	T38-57BF-316	44842
	HEM	64	2-1/2	T38-64BF-692	44736
	CP	64	2-1/2	T38-64BFCP-2542	41134
	BAL	64	2-1/2	T38-64BFB-1413	44835

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
<p>3 FRONT FLUSHING HOLES</p>	HEM	76	3	T38-76BF-2396	44380
	BAL	76	3	T38-76BFB-2631	44382
	HEM	89	3-1/2	T38-89BF-2633	44314
	BAL	89	3-1/2	T38-89BFB-2671	44315

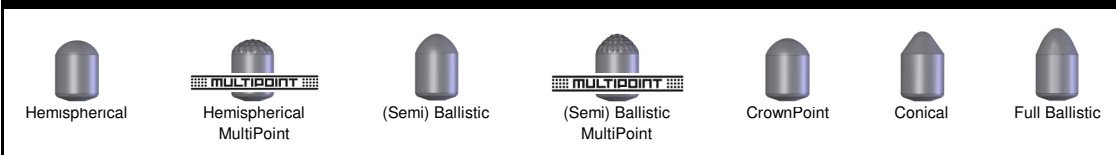
  

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
<p>1 FRONT FLUSHING HOLE</p>	HEM	70	2-3/4	T38-70BF-1223	44548
	HEM	76	3	T38-76BF-1290	44506
	BAL	76	3	T38-76BFB-1326	44658
	CON	76	3	T38-76BFC-2169	44256

These products are available optionally in Rockmore's XT38 Vector Rod System



### 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



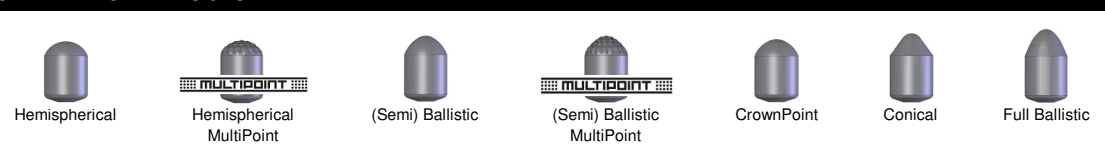
## T38 1-1/2" (CONTINUED)

FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	T38-64BF-020	44711
	BAL	64	2-1/2	T38-64BFB-280	44710
	HEM	70	2-3/4	T38-70BF-1187	44549
FLAT FACE  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
	HEM	76	3	T38-76BF-3302	44131
FLAT FACE  2 FRONT FLUSHING HOLES * LARGER CARBIDE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
	HEM	76	3	T38-76BF-027	44681
	BAL	76	3	T38-76BFB-846	44680
	HEM	89	3-1/2	T38-89BF-1292	44510
	HEM	89	3-1/2	T38-89BF-2505 *	44134
	BAL	89	3-1/2	T38-89BFB-1445	44695
	HEM	102	4	T38-102BF-1361	44631
	BAL	102	4	T38-102BFB-1446	44620
	HEM	115	4-1/2	T38-115BF-1448	44790
FLAT FACE  3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
	HEM	89	3-1/2	T38-89BF-1484	44860
	BAL	89	3-1/2	T38-89BFB-1566	44888
	HEM	102	4	T38-102BF-1567	44889
	BAL	102	4	T38-102BFB-1568	44890
	HEM	115	4-1/2	T38-115BF-1569	44891
DROP CENTER  3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
	HEM	64	2-1/2	T38-64BDC-1454	44518
	BAL	64	2-1/2	T38-64BDCB-1455	44519
	HEM	70	2-3/4	T38-70BDC-025	44520
	BAL	70	2-3/4	T38-70BDCB-656	44521
	HEM	76	3	T38-76BDC-028	44714
	CP	76	3	T38-76BDCCP-2420	44722
	BAL	76	3	T38-76BDCB-1462	44859
	HEM	89	3-1/2	T38-89BDC-799	44522
	BAL	89	3-1/2	T38-89BDCB-1464	44523

These products are available optionally in Rockmore's XT38 Vector Rod System



### CARBIDE PROFILE DESIGNS

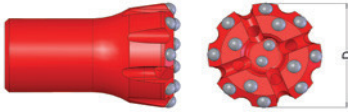
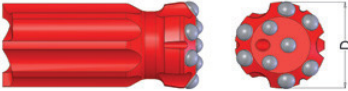
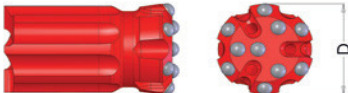
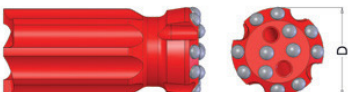
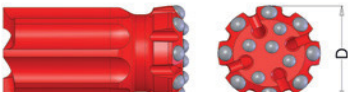


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



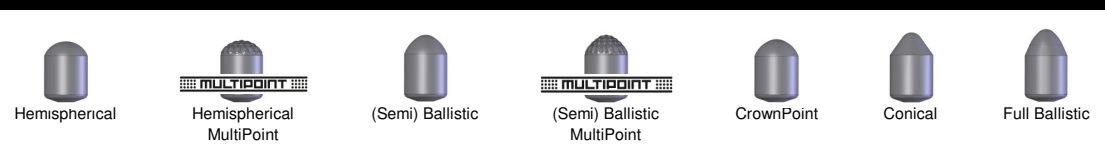
## T38 1-1/2" (CONTINUED)

DROP CENTER 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
4 FRONT FLUSHING HOLES	HEM	76	3	T38-76BDC-1149	44604
	BAL	76	3	T38-76BDCB-1319	44605
	HEM	89	3-1/2	T38-89BDC-1143	44606
	BAL	89	3-1/2	T38-89BDCB-1321	44607
	HEM	102	4	T38-102BDC-1365	44608
	BAL	102	4	T38-102BDCB-1450	44609
FLAT FACE - RETRAC 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
1 FRONT FLUSHING HOLE	HEM	57	2-1/4	T38-57BFRT-2401	44035
	HEM	64	2-1/2	T38-64BFRT-2145	41175
FLAT FACE - RETRAC 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
3 FRONT FLUSHING HOLES	HEM	64	2-1/2	T38-64BFRT-3119	44153
	HEM	76	3	T38-76BFRT-2672	44316
	BAL	76	3	T38-76BFRTB-2673	44317
	HEM	89	3-1/2	T38-89BFRT-2674	44318
	BAL	89	3-1/2	T38-89BFRTB-2675	44319
FLAT FACE - RETRAC 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
2 FRONT FLUSHING HOLES	HEM	64	2-1/2	T38-64BFRT-2126	44686
	BAL	64	2-1/2	T38-64BFRTB-2108	44669
FLAT FACE - RETRAC 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
4 FRONT FLUSHING HOLES	HEM	76	3	T38-76BFRT-3274	44132

These products are available optionally in Rockmore's XT38 Vector Rod System



### CARBIDE PROFILE DESIGNS

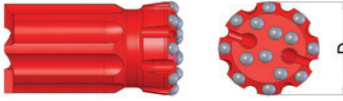


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

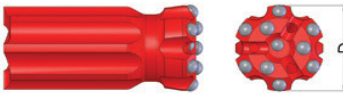
# THREADED BITS



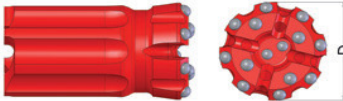
## T38 1-1/2" (CONTINUED)

FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 2 FRONT FLUSHING HOLES * LARGER CARBIDE	HEM	76	3	T38-76BFRT-2187	44685
	BAL	76	3	T38-76BFRTB-1925	44655
	HEM	89	3-1/2	T38-89BFRT-2114	41129
	HEM	89	3-1/2	T38-89BFRT-3611 *	44135
	BAL	89	3-1/2	T38-89BFRTB-2121	44892
	HEM	102	4	T38-102BFRT-2244	44893
	BAL	102	4	T38-102BFRTB-2638	44894

DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 3 FRONT FLUSHING HOLES	HEM	64	2-1/2	T38-64BRTDC-2107	44850
	BAL	64	2-1/2	T38-64BRTDCB-194	44846
	HEM	70	2-3/4	T38-70BRTDC-2639	44895
	BAL	70	2-3/4	T38-70BRTDCB-2640	44896
	HEM	76	3	T38-76BRTDC-2641	44600
	BAL	76	3	T38-76BRTDCB-2475	44601
	HEM	89	3-1/2	T38-89BRTDC-2630	44971
	BAL	89	3-1/2	T38-89BRTDCB-2476	44972

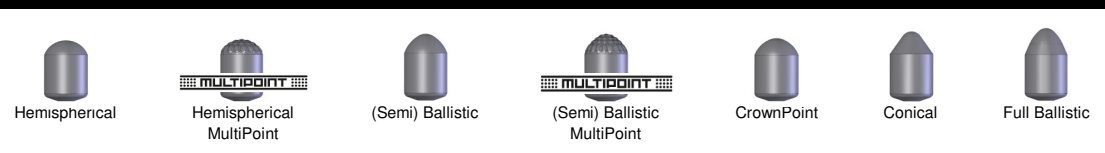
  

DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	HEM	76	3	T38-76BRTDC-2142	44751
	BAL	76	3	T38-76BRTDCB-865	44828
	HEM	89	3-1/2	T38-89BRTDC-2642	44897
	BAL	89	3-1/2	T38-89BRTDCB-2643	44898
	HEM	102	4	T38-102BRTDC-2532	44899
	BAL	102	4	T38-102BRTDCB-2644	44900

These products are available optionally in Rockmore's XT38 Vector Rod System



### CARBIDE PROFILE DESIGNS

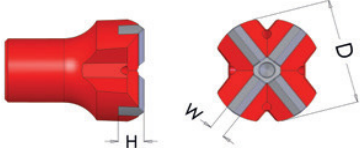


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

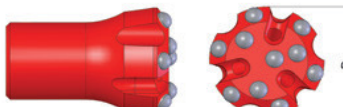
# THREADED BITS



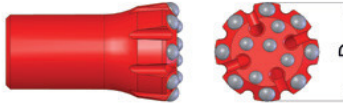
## T45 1-3/4"

X MULTI - USE  1 FRONT FLUSHING HOLE	DIAMETER (D)		PART NUMBER	
	mm	In.	USA	AUSTRIA
	76	3	T45-76XHD-312	49634
	89	3-1/2	T45-89XHD-353	49635
	102	4	T45-102XHD-305	49642


  

FLAT FACE  3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	T45-76BF-2395	44341
	BAL	76	3	T45-76BFB-2632	44320
	HEM	89	3-1/2	T45-89BF-1947	44401
	BAL	89	3-1/2	T45-89BFB-1948	44402

FLAT FACE  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	T45-76BF-3267	44220
	BAL	76	3	T45-76BFB-3850	41156
	HEM	89	3-1/2	T45-89BF-3959	41157
	BAL	89	3-1/2	T45-89BFB-3614	44040

FLAT FACE  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	T45-102BF-4006	44016

These products are available optionally in Rockmore's XT45 Vector Rod System



### CARBIDE PROFILE DESIGNS




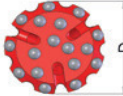

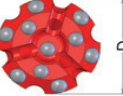

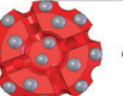


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



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

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
					
	HEM	76	3	T45-76BF-040	44693
	BAL	76	3	T45-76BFB-274	44774
	HEM	82	3-1/4	T45-82BF-2797	44456
	BAL	82	3-1/4	T45-82BFB-2124	44388
	HEM	89	3-1/2	T45-89BF-1157	44553
	HEM	89	3-1/2	T45-89BF-2585 *	44696
	BAL	89	3-1/2	T45-89BFB-1327	44663
	HEM	102	4	T45-102BF-1057	44635
	BAL	102	4	T45-102BFB-1447	44634
	HEM	115	4-1/2	T45-115BF-1449	44557
	HEM	127	5	T45-127BF-328	44773
	BAL	152	6	T45-152BFB-3278	45761
2 FRONT FLUSHING HOLES * LARGER CARBIDE					
FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
					
	HEM	89	3-1/2	T45-89BF-1459	44853
	BAL	89	3-1/2	T45-89BFB-1580	44854
	HEM	102	4	T45-102BF-1460	44861
	BAL	102	4	T45-102BFB-1581	44862
	HEM	115	4-1/2	T45-115BF-1582	44901
	HEM	127	5	T45-127BF-1583	44902
3 FRONT FLUSHING HOLES					
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
					
	HEM	70	2-3/4	T45-70BDC-932	44591
	BAL	70	2-3/4	T45-70BDCB-175	44592
	HEM	76	3	T45-76BDC-042	44744
	BAL	76	3	T45-76BDCB-1463	44781
	HEM	89	3-1/2	T45-89BDC-048	44593
	BAL	89	3-1/2	T45-89BDCB-1465	44594
3 FRONT FLUSHING HOLES					
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
					
	HEM	76	3	T45-76BDC-1148	44863
	BAL	76	3	T45-76BDCB-1316	44864
	HEM	83	3-1/4	T45-83BDC-2938	44260
	BAL	83	3-1/4	T45-83BDCB-2939	44261
	HEM	89	3-1/2	T45-89BDC-1142	44818
	HEM	89	3-1/2	T45-89BDC-3987 *	44008
	BAL	89	3-1/2	T45-89BDCB-1318	44819
	BAL	89	3-1/2	T45-89BDCB-3995 *	44004
	HEM	102	4	T45-102BDC-1131	44820
	BAL	102	4	T45-102BDCB-1451	44865
	HEM	115	4-1/2	T45-115BDC-329	44866
4 FRONT FLUSHING HOLES * LARGER CARBIDE					

These products are available optionally in Rockmore's XT45 Vector Rod System



### CARBIDE PROFILE DESIGNS



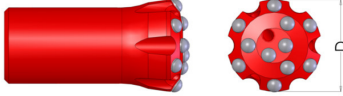
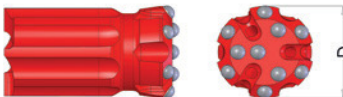
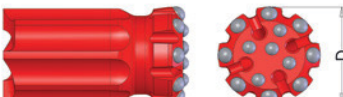
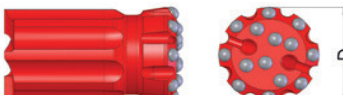
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



# THREADED BITS



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

SEMI DOME 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
1 FRONT FLUSHING HOLE	HEM	70	2-3/4	T45-70BSD-597	44524
	BAL	70	2-3/4	T45-70BSDB-977	44525
	HEM	76	3	T45-76BSD-338	44526
	BAL	76	3	T45-76BSDB-271	44998
	HEM	89	3-1/2	T45-89BSD-307	44595
	BAL	89	3-1/2	T45-89BSDB-785	44596
FLAT FACE - RETRAC 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
3 FRONT FLUSHING HOLES	HEM	76	3	T45-76BFRT-2676	44311
	BAL	76	3	T45-76BFRTB-2677	44312
	HEM	89	3-1/2	T45-89BFRT-2645	44403
	BAL	89	3-1/2	T45-89BFRTB-2646	44404
FLAT FACE - RETRAC 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
4 FRONT FLUSHING HOLES	HEM	76	3	T45-76BFRT-3282	44133
	HEM	89	3-1/2	T45-89BFRT-4088	44144
FLAT FACE - RETRAC 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
2 FRONT FLUSHING HOLES * LARGER CARBIDE	HEM	76	3	T45-76BFRT-1923	44684
	BAL	76	3	T45-76BFRTB-1924	44692
	BAL	82	3-1/4	T45-82BFRTB-2246	44384
	CON	82	3-1/4	T45-82BFRTC-4087	44331
	HEM	89	3-1/2	T45-89BFRT-2097	44622
	HEM	89	3-1/2	T45-89BFRT-2577 *	44399
	BAL	89	3-1/2	T45-89BFRTB-2043	44654
	HEM	102	4	T45-102BFRT-2045	44641
	BAL	102	4	T45-102BFRTB-327	44657
	HEM	115	4-1/2	T45-115BFRT-2546	44554
HEM	127	5	T45-127BFRT-2647	44903	

These products are available optionally in Rockmore's XT45 Vector Rod System



### CARBIDE PROFILE DESIGNS

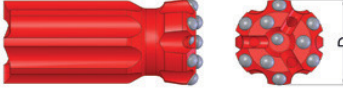
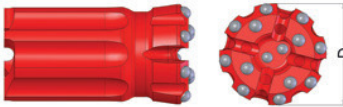


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



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

DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 <p>3 FRONT FLUSHING HOLES</p>	HEM	70	2-3/4	T45-70BRTDC-2648	44904
	BAL	70	2-3/4	T45-70BRTDCB-2649	44905
	HEM	76	3	T45-76BRTDC-2175	44552
	BAL	76	3	T45-76BRTDCB-2411	44906
	HEM	89	3-1/2	T45-89BRTDC-2241	44973
	BAL	89	3-1/2	T45-89BRTDCB-2313	44974
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 <p>4 FRONT FLUSHING HOLES * LARGER CARBIDE</p>	HEM	76	3	T45-76BRTDC-1926	44814
	BAL	76	3	T45-76BRTDCB-862	44822
	HEM	89	3-1/2	T45-89BRTDC-1927	44801
	HEM	89	3-1/2	T45-89BRTDC-4001 *	41135
	BAL	89	3-1/2	T45-89BRTDCB-861	44745
	BAL	89	3-1/2	T45-89BRTDCB-4002 *	41136
	HEM	102	4	T45-102BRTDC-2484	44907
	BAL	102	4	T45-102BRTDCB-21	44823
	HEM	115	4-1/2	T45-115BRTDC-2650	44556
	HEM	127	5	T45-127BRTDC-2651	44995

These products are available optionally in Rockmore's XT45 Vector Rod System



### 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"		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
X MULTI - USE  1 FRONT FLUSHING HOLE		89	3-1/2	T51-89XHD-911	49636
		102	4	T51-102XHD-182	49693
		115	4-1/2	T51-115XHD-157	49694
FLAT FACE  3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	T51-89BF-1951	44405
BAL	89	3-1/2	T51-89BFB-1952	44406	
FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	82	3-1/4	T51-82BF-1887	44457
	BAL	82	3-1/4	T51-82BFB-2123	44389
	HEM	85	3-3/8	T51-85BF-1889	44443
	BAL	85	3-3/8	T51-85BFB-2360	44343
	HEM	89	3-1/2	T51-89BF-1328	44638
	BAL	89	3-1/2	T51-89BFB-1317	44765
	CON	89	3-1/2	T51-89BFC-3796	44055
	HEM	102	4	T51-102BF-1330	44639
	BAL	102	4	T51-102BFB-1452	44762
	HEM	115	4-1/2	T51-115BF-1590	44640
	BAL	115	4-1/2	T51-115BFB-1444	44558
	HEM	127	5	T51-127BF-1591	44642
HEM	140	5-1/2	T51-140BF-1699	44988	
FLAT FACE  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	T51-89BF-3575	44017
	HEM	102	4	T51-102BF-1836	44467
BAL	102	4	T51-102BFB-1837	44468	

These products are available optionally in Rockmore's XT51 Vector Rod System



## CARBIDE PROFILE DESIGNS

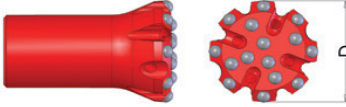
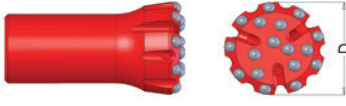
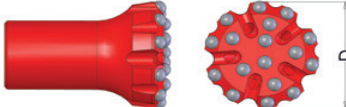
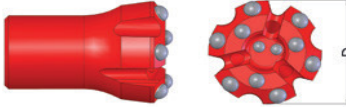


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



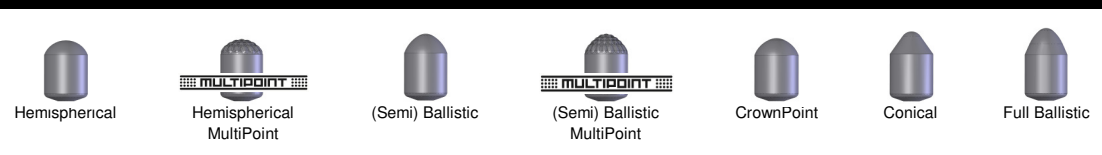
## T51 2" (CONTINUED)

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	HEM	115	4-1/2	T51-115BF-1740	44970
	BAL	115	4-1/2	T51-115BFB-1838	44469
	HEM	121	4-3/4	T51-121BF-4090	44250
	BAL	121	4-3/4	T51-121BFB-4091	44251
	HEM	127	5	T51-127BF-1839	44470
 3 FRONT FLUSHING HOLES	HEM	89	3-1/2	T51-89BF-1389	44855
	BAL	89	3-1/2	T51-89BFB-1592	44856
	HEM	102	4	T51-102BF-1516	44857
	BAL	102	4	T51-102BFB-1594	44858
	HEM	115	4-1/2	T51-115BF-1476	44909
	HEM	127	5	T51-127BF-1477	44910
 5 FRONT FLUSHING HOLES	HEM	115	4-1/2	T51-115BF-3636	44080
	HEM	127	5	T51-127BF-3637	44081
	HEM	140	5-1/2	T51-140BF-3638	44082
 3 FRONT FLUSHING HOLES	HEM	76	3	T51-76BDC-2610	44307
	BAL	76	3	T51-76BDCB-2621	44308
	HEM	80	3-1/8	T51-80BDC-255	44309
	BAL	80	3-1/8	T51-80BDCB-2678	44310
	HEM	89	3-1/2	T51-89BDC-1597	44871
	BAL	89	3-1/2	T51-89BDCB-1595	44872

These products are available optionally in Rockmore's XT51 Vector Rod System



### CARBIDE PROFILE DESIGNS

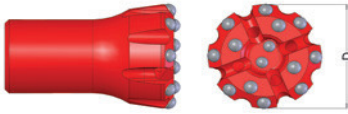
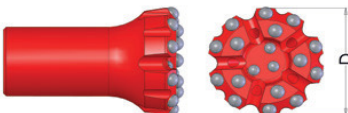
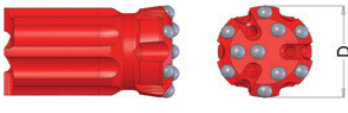
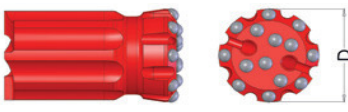


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



## T51 2" (CONTINUED)

DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
 <p>4 FRONT FLUSHING HOLES * LARGER CARBIDE</p>	HEM	89	3-1/2	T51-89BDC-1329	44760	
	HEM	89	3-1/2	T51-89BDC-3934 *	44007	
	BAL	89	3-1/2	T51-89BDCB-1308	44759	
	BAL	89	3-1/2	T51-89BDCB-3999 *	44003	
	HEM	102	4	T51-102BDC-1325	44764	
	BAL	102	4	T51-102BDCB-1305	44763	
	HEM	115	4-1/2	T51-115BDC-260	44610	
	BAL	115	4-1/2	T51-115BDCB-051	44611	
	HEM	127	5	T51-127BDC-2001	44849	
	BAL	127	5	T51-127BDCB-900	44870	
	HEM	140	5-1/2	T51-140BDC-1440	44989	
	DROP CENTER, STARFLOW	 <p>5 FRONT FLUSHING HOLES</p>	HEM	115	4-1/2	T51-115BDC-3639
HEM			127	5	T51-127BDC-3640	44087
HEM			140	5-1/2	T51-140BDC-3641	44088
FLAT FACE - RETRAC	 <p>3 FRONT FLUSHING HOLES</p>	HEM	89	3-1/2	T51-89BFRT-2652	44407
		BAL	89	3-1/2	T51-89BFRTB-2653	44408
FLAT FACE - RETRAC	 <p>2 FRONT FLUSHING HOLES</p>	BAL	82	3-1/4	T51-82BFRTB-2136	44386
		CON	82	3-1/4	T51-82BFRTC-4092	44770
		HEM	89	3-1/2	T51-89BFRT-2176	44645
		BAL	89	3-1/2	T51-89BFRTB-2007	44691
		CON	89	3-1/2	T51-89BFRTC-2189	44496
		HEM	93	3-11/16	T51-93BFRT-3248	44223
		BAL	93	3-11/16	T51-93BFRTB-3247	44224
		BAL	95	3-3/4	T51-95BFRTB-3185	44233
		HEM	102	4	T51-102BFRT-2122	44724
		BAL	102	4	T51-102BFRTB-187	44678
		HEM	115	4-1/2	T51-115BFRT-2654	44978
		HEM	127	5	T51-127BFRT-2655	44979
		HEM	140	5-1/2	T51-140BFRT-2656	44980

These products are available optionally in Rockmore's XT51 Vector Rod System



### CARBIDE PROFILE DESIGNS

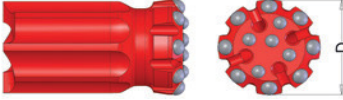
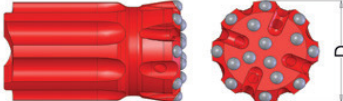
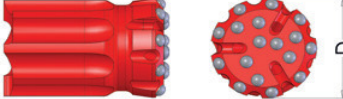
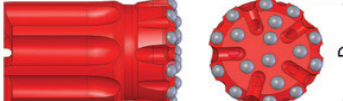
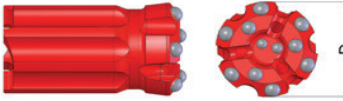


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS



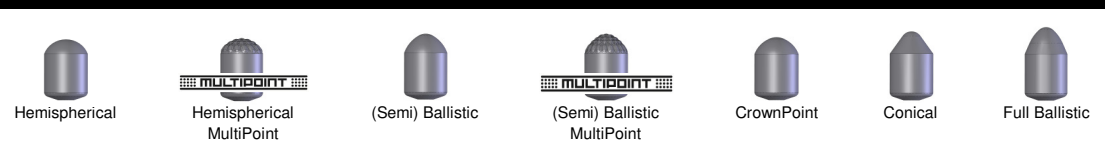
## T51 2" (CONTINUED)

FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	HEM	89	3-1/2	T51-89BFRT-3571	44045
	BAL	89	3-1/2	T51-89BFRTB-3861	44028
	HEM	102	4	T51-102BFRT-2531	44471
	BAL	102	4	T51-102BFRTB-969	44472
 4 FRONT FLUSHING HOLES	HEM	115	4-1/2	T51-115BFRT-2660	44473
	BAL	115	4-1/2	T51-115BFRTB-4089	44392
	HEM	127	5	T51-127BFRT-2661	44474
	CON	127	5	T51-127BFRTC-2897	44446
 3 FRONT FLUSHING HOLES	HEM	89	3-1/2	T51-89BFRT-2604	44960
	BAL	89	3-1/2	T51-89BFRTB-2172	44961
	HEM	102	4	T51-102BFRT-2483	44962
	BAL	102	4	T51-102BFRTB-250	44963
	CON	102	4	T51-102BFRTC-090	44383
	HEM	115	4-1/2	T51-115BFRT-2284	44964
	BAL	115	4-1/2	T51-115BFRTB-2930	44679
	HEM	127	5	T51-127BFRT-2659	44965
 5 FRONT FLUSHING HOLES	HEM	115	4-1/2	T51-115BFRT-3630	44083
	HEM	127	5	T51-127BFRT-3631	44084
	HEM	140	5-1/2	T51-140BFRT-3632	44085
 3 FRONT FLUSHING HOLES	HEM	89	3-1/2	T51-89BRTDC-2238	44975
	BAL	89	3-1/2	T51-89BRTDCB-916	44976

These products are available optionally in Rockmore's XT51 Vector Rod System



### CARBIDE PROFILE DESIGNS



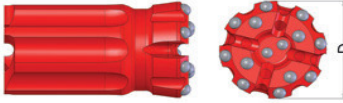
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



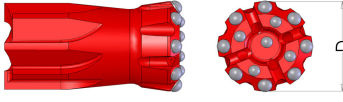
# THREADED BITS



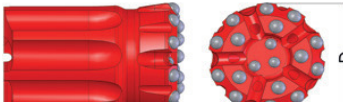
## T51 2" (CONTINUED)

DROPCENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 <p>4 FRONT FLUSHING HOLES * LARGER CARBIDE</p>	HEM	89	3-1/2	T51-89BRTDC-2330	44761
	HEM	89	3-1/2	T51-89BRTDC-4003 *	41137
	BAL	89	3-1/2	T51-89BRTDCB-909	44746
	BAL	89	3-1/2	T51-89BRTDCB-4004 *	41138
	CON	89	3-1/2	T51-89BRTDCC-2511	44336
	BAL	93	3-11/16	T51-93BRTDCB-3409	44187
	HEM	102	4	T51-102BRTDC-2662	44747
	BAL	102	4	T51-102BRTDCB-210	44748
	CON	102	4	T51-102BRTDCC-010	44749
	HEM	115	4-1/2	T51-115BRTDC-2495	44982
	HEM	127	5	T51-127BRTDC-2663	44983
	HEM	140	5-1/2	T51-140BRTDC-2664	44984

DROPCENTER - XTRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 <p>4 FRONT FLUSHING HOLES</p>	HEM	102	4	T51-102BRTDC-3993	44006
	BAL	102	4	T51-102BRTDCB-4034	44005

DROPCENTER - RETRAC, STARFLOW	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 <p>5 FRONT FLUSHING HOLES</p>	HEM	115	4-1/2	T51-115BRTDC-3617	44089
	HEM	127	5	T51-127BRTDC-3633	44090
	HEM	140	5-1/2	T51-140BRTDC-3634	44091

These products are available optionally in Rockmore's XT51 Vector Rod System



### CARBIDE PROFILE DESIGNS

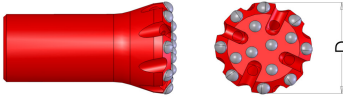
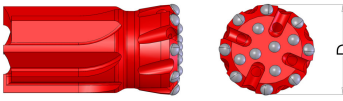


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.



# THREADED BITS



T51 2" Xtreme Series		(for extreme hard and abrasive rock conditions - with FA carbide)			
<b>FLAT FACE</b>  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	FA	102	4	T51-102BF-XTR	44439
	FA	115	4-1/2	T51-115BF-XTR	44440
FA	127	5	T51-127BF-XTR	44351	
<b>FLAT FACE - RETRAC</b>  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	FA	102	4	T51-102BFRT-XTR	44348
	FA	115	4-1/2	T51-115BFRT-XTR	44349
FA	127	5	T51-127BFRT-XTR	44350	

These products are available optionally in Rockmore's XT51 Vector Rod System



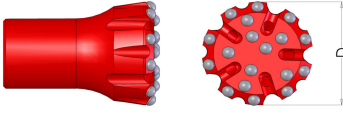
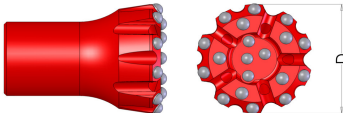
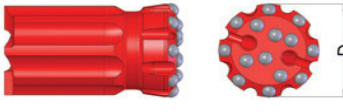
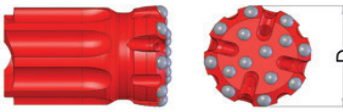
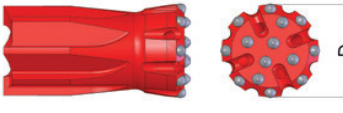
## CARBIDE PROFILE DESIGNS










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					
<b>FLAT FACE, STARFLOW</b>  5 FRONT FLUSHING HOLES	<b>CARBIDE DESIGN</b>	<b>DIAMETER (D)</b>		<b>PART NUMBER</b>	
		mm	In.	USA	AUSTRIA
	HEM	140	5-1/2	XT51-140BF-4093	44051
<b>DROP CENTER, STARFLOW</b>  5 FRONT FLUSHING HOLES	<b>CARBIDE DESIGN</b>	<b>DIAMETER (D)</b>		<b>PART NUMBER</b>	
		mm	In.	USA	AUSTRIA
	HEM	140	5-1/2	XT51-140BDC-4094	44053
<b>FLAT FACE - RETRAC</b>  2 FRONT FLUSHING HOLES	<b>CARBIDE DESIGN</b>	<b>DIAMETER (D)</b>		<b>PART NUMBER</b>	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	XT51-89BFRT-3292	44215
<b>FLAT FACE - RETRAC</b>  4 FRONT FLUSHING HOLES	<b>CARBIDE DESIGN</b>	<b>DIAMETER (D)</b>		<b>PART NUMBER</b>	
		mm	In.	USA	AUSTRIA
	CP	102	4	XT51-102BFRTCP-3324	44207
	CON	102	4	XT51-102BFRTC-3298	44213
<b>FLAT FACE - XTRAC</b>  4 FRONT FLUSHING HOLES * LARGER CARBIDE	<b>CARBIDE DESIGN</b>	<b>DIAMETER (D)</b>		<b>PART NUMBER</b>	
		mm	In.	USA	AUSTRIA
	CP	102	4	XT51-102BFRTCP-3472	44174
	HEM / BAL	102	4	XT51-102BFRT-3554	44148
	CP	102	4	XT51-102BFRTCP-3491 *	44167
	BAL	102	4	XT51-102BFRTB-3473	44173
	BAL	102	4	XT51-102BFRTB-3492 *	44166
CON	102	4	XT51-102BFRTC-3377	44194	

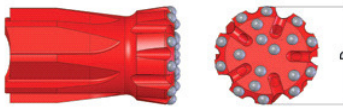
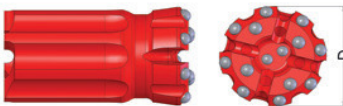
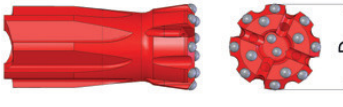
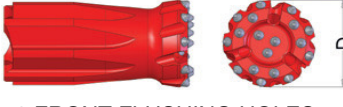
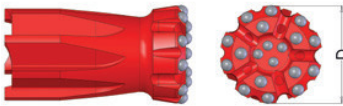
CARBIDE PROFILE DESIGNS						
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide; FB = Full Ballistic Carbide; MP = MultiPoint 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)



FLAT FACE - XTRAC, STARFLOW   5 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		HEM	140	5-1/2	XT51-140BFRT-4095
DROP CENTER - RETRAC   4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		CON	89	3-1/2	XT51-89BRTDCC-3297
DROP CENTER - XTRAC   4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		HEM	89	3-1/2	XT51-89BRTDC-3421
	BAL	89	3-1/2	XT51-89BRTDCB-3562	44146
DROP CENTER - XTRAC   3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		BAL	94	3-11/16	XT51-94BRTDCB-3315
	CON	94	3-11/16	XT51-94BRTDCC-3319	44203
DROP CENTER - XTRAC, STARFLOW   5 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		HEM	140	5-1/2	XT51-140BRTDC-4096

### CARBIDE PROFILE DESIGNS

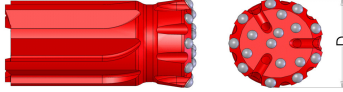
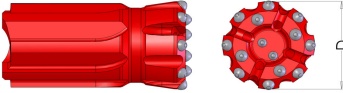
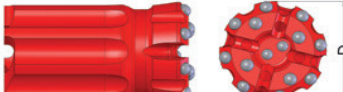
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

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.

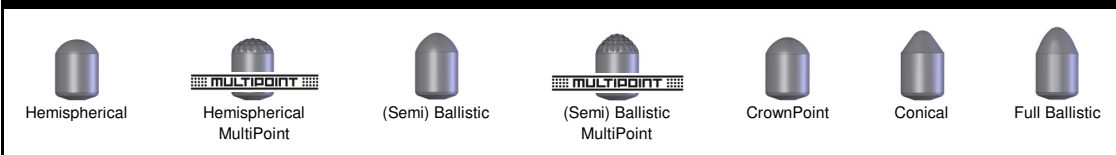
# THREADED BITS



## ST58 2-1/4"

FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 3 FRONT FLUSHING HOLES	HEM	89	3-1/2	ST58-89BFRT-1713	44929
	BAL	89	3-1/2	ST58-89BFRTB-365	44930
	BAL	93	3-11/16	ST58-93BFRTB-1489	44921
	CON	93	3-11/16	ST58-93BFRTC-936	44493
	HEM	102	4	ST58-102BFRT-381	44931
	BAL	102	4	ST58-102BFRTB-424	44932
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
 4 FRONT FLUSHING HOLES	HEM	89	3-1/2	ST58-89BRTDC-367	44934
	BAL	89	3-1/2	ST58-89BRTDCB-368	44935
	HEM	102	4	ST58-102BRTDC-438	44924
	BAL	102	4	ST58-102BRTDCB-257	44936
	HEM	115	4-1/2	ST58-115BRTDC-474	44937
	HEM	127	5	ST58-127BRTDC-089	44986
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
 4 FRONT FLUSHING HOLES	BAL	93	3-11/16	ST58-93BRTDCB-304	44916

### CARBIDE PROFILE DESIGNS



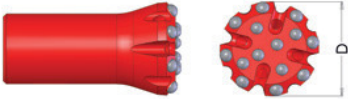
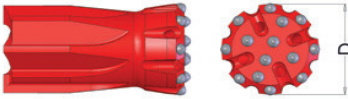
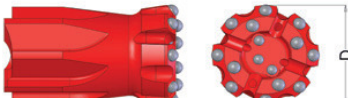
HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.

# THREADED BITS

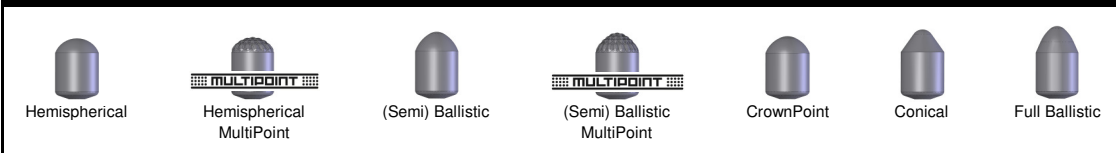


## XT60 2-3/8" (ROCKMORE XT60) ROCKMORE Vector Rod System



FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	HEM	102	4	XT60-102BF-3593	44140
	BAL	102	4	XT60-102BFB-3595	44139
	HEM	115	4-1/2	XT60-115BF-3594	44141
	BAL	115	4-1/2	XT60-115BFB-3596	44142
FLAT FACE - XTRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	HEM	102	4	XT60-102BFRT-3835	44036
DROP CENTER - XTRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	BAL	102	4	XT60-102BRTDCB-3834	44037
	HEM	115	4-1/2	XT60-115BRTDC-3815	44041
	HEM	127	5	XT60-127BRTDC-3656	44042
	HEM	140	5-1/2	XT60-140BRTDC-3816	44043






### 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

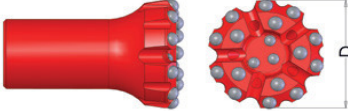
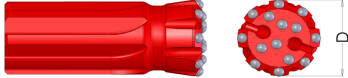

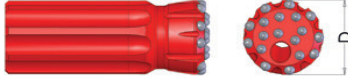
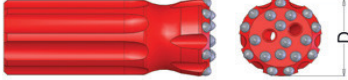










GT60 2-3/8"					
FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	93	3-11/16	GT60-93BF-2708	44290
	BAL	93	3-11/16	GT60-93BFB-2709	44289
	HEM	95	3-3/4	GT60-95BF-2710	44288
	BAL	95	3-3/4	GT60-95BFB-2711	44287
FLAT FACE  4 FRONT FLUSHING HOLES * LARGER CARBIDE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	GT60-102BF-2160	44359
	HEM	102	4	GT60-102BF-3609 *	44136
	BAL	102	4	GT60-102BFB-2161	44360
	HEM	115	4-1/2	GT60-115BF-2162	44361
	BAL	115	4-1/2	GT60-115BFB-2163	44362
	HEM	127	5	GT60-127BF-2164	44363
FLAT FACE  3 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	GT60-102BF-3717	44071
	BAL	102	4	GT60-102BFB-3718	44072
	HEM	115	4-1/2	GT60-115BF-3719	44075
	HEM	127	5	GT60-127BF-3720	44077
FLAT FACE, STARFLOW  5 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	115	4-1/2	GT60-115BF-3642	44104
	HEM	127	5	GT60-127BF-3643	44105
	HEM	140	5-1/2	GT60-140BF-3644	44106
	HEM	152	6	GT60-152BF-3947	44009
DROP CENTER  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	93	3-11/16	GT60-93BDC-2085	44286
	BAL	93	3-11/16	GT60-93BDCB-2712	44285
	HEM	95	3-3/4	GT60-95BDC-2713	44284
	BAL	95	3-3/4	GT60-95BDCB-2714	44283
	HEM	102	4	GT60-102BDC-2086	44364
	BAL	102	4	GT60-102BDCB-766	44365
	HEM	115	4-1/2	GT60-115BDC-2087	44366
	BAL	115	4-1/2	GT60-115BDCB-938	44367
	HEM	127	5	GT60-127BDC-1999	44368
	BAL	127	5	GT60-127BDCB-2064	44369
	HEM	140	5-1/2	GT60-140BDC-2000	44370
	HEM	152	6	GT60-152BDC-2342	44208

CARBIDE PROFILE DESIGNS						
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic
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



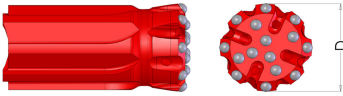
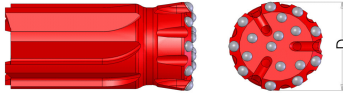
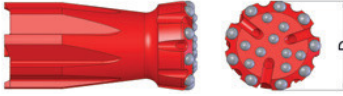
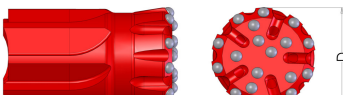
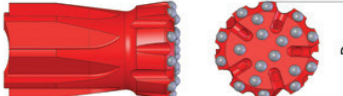
GT60 2-3/8" (CONTINUED)					
DROPCENTER, STARFLOW	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 5 FRONT FLUSHING HOLES	HEM	115	4-1/2	GT60-115BDC-3645	44108
	HEM	127	5	GT60-127BDC-3646	44109
	HEM	140	5-1/2	GT60-140BDC-3647	44110
FLAT FACE - RETRAC  2 FRONT FLUSHING HOLES	HEM	93	3-11/16	GT60-93BFRT-2715	44282
	BAL	93	3-11/16	GT60-93BFRTB-2716	44281
	HEM	95	3-3/4	GT60-95BFRT-2717	44280
	BAL	95	3-3/4	GT60-95BFRTB-2718	44279
FLAT FACE - XTRAC  2 FRONT FLUSHING HOLES	BAL	95	3-3/4	GT60-95BFRTB-3506	44158
	BAL	102	4	GT60-102BFRTB-3653	44120
FLAT FACE - RETRAC  1 FRONT FLUSHING HOLE	BAL	93	3-11/16	GT60-93BFRTB-3177	44234
FLAT FACE - RETRAC  2 FRONT FLUSHING HOLES	BAL	93	3-11/16	GT60-93BFRTB-3516	44160
	CON	93	3-11/16	GT60-93BFRTC-3369	44196
FLAT FACE - XTRAC  2 FRONT FLUSHING HOLES	BAL	94	3-11/16	GT60-94BFRTB-3577	44143








CARBIDE PROFILE DESIGNS						
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic
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



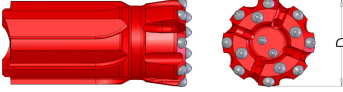
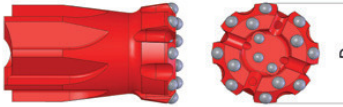
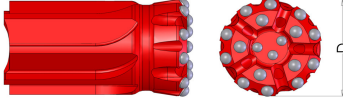
GT60 2-3/8" (CONTINUED)					
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	HEM	102	4	GT60-102BFRT-706	44371
	BAL	102	4	GT60-102BFRTB-19	44372
	HEM	115	4-1/2	GT60-115BFRT-721	44373
	BAL	115	4-1/2	GT60-115BFRTB-3499	44164
	HEM	127	5	GT60-127BFRT-763	44374
 3 FRONT FLUSHING HOLES * LARGER CARBIDE	BAL	93	3-11/16	GT60-93BFRTB-3723	44070
	HEM	102	4	GT60-102BFRT-3724	44073
	HEM	102	4	GT60-102BFRT-3514 *	44010
	BAL	102	4	GT60-102BFRTB-3725	44074
	HEM	115	4-1/2	GT60-115BFRT-3726	44076
	HEM	127	5	GT60-127BFRT-3727	44078
	HEM	127	5	GT60-127BFRT-3426 *	44079
 3 FRONT FLUSHING HOLES	HEM	115	4-1/2	GT60-115BFRT-3821	44039
 5 FRONT FLUSHING HOLES	HEM	115	4-1/2	GT60-115BFRT-3425	44161
	HEM	127	5	GT60-127BFRT-3423	44163
	HEM	140	5-1/2	GT60-140BFRT-3635	44107
	HEM	152	6	GT60-152BFRT-3552	44145
 5 FRONT FLUSHING HOLES	HEM	115	4-1/2	GT60-115BFRT-3859	44011
	HEM	127	5	GT60-127BFRT-3659	44114
	HEM	140	5-1/2	GT60-140BFRT-3860	44015

CARBIDE PROFILE DESIGNS						
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic
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.						

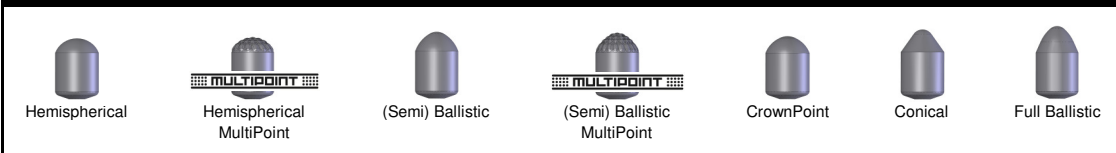
# THREADED BITS



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

DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 4 FRONT FLUSHING HOLES	HEM	93	3-11/16	GT60-93BRTDC-999	44278
	BAL	93	3-11/16	GT60-93BRTDCB-2719	44277
	HEM	95	3-3/4	GT60-95BRTDC-2720	44276
	BAL	95	3-3/4	GT60-95BRTDCB-2705	44275
	CON	95	3-3/4	GT60-95BRTDCC-3331	44202
	HEM	102	4	GT60-102BRTDC-647	44375
	BAL	102	4	GT60-102BRTDCB-749	44376
	HEM	115	4-1/2	GT60-115BRTDC-759	44377
	BAL	115	4-1/2	GT60-115BRTDCB-761	44337
	HEM	127	5	GT60-127BRTDC-765	44378
HEM	140	5-1/2	GT60-140BRTDC-18	44379	
DROP CENTER - XTRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
 4 FRONT FLUSHING HOLES	CON	102	4	GT60-102BRTDCC-3597	44138
DROP CENTER - RETRAC, STARFLOW	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
 5 FRONT FLUSHING HOLES	HEM	115	4-1/2	GT60-115BRTDC-3616	44111
	HEM	127	5	GT60-127BRTDC-3618	44112
	HEM	140	5-1/2	GT60-140BRTDC-3619	44113

### CARBIDE PROFILE DESIGNS

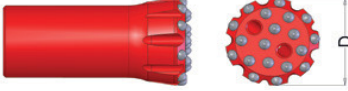
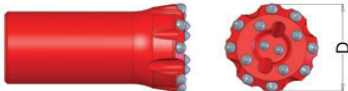

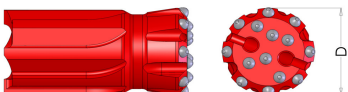
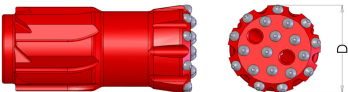
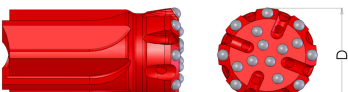


HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CP = CrownPoint carbide; CON = Conical carbide;  
 FB = Full Ballistic Carbide; MP = MultiPoint carbide, on request  
 Note: Some button bits may not be offered with a particular carbide design shown above.








# THREADED BITS



## T-WiZ60 2-3/8"

FLAT FACE  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	102	4	TWIZ60-102BFB-3865	44027
DROP CENTER  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	102	4	TWIZ60-102BDCB-3952	44019
DROP CENTER  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	102	4	TWIZ60-102BDCB-3951	44018
FLAT FACE - RETRAC  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	95	3-3/4	TWIZ60-95BFRTB-3753	44061
FLAT FACE - RETRAC  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	102	4	TWIZ60-102BFRTB-3829	44038
FLAT FACE - RETRAC  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		HEM	127	5	TWIZ60-127BFRT-4007
	BAL	127	5	TWIZ60-127BFRTB-4008	41131

### CARBIDE PROFILE DESIGNS

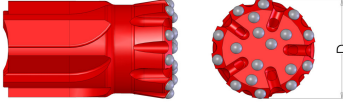
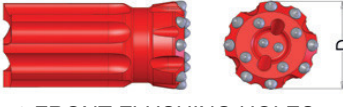
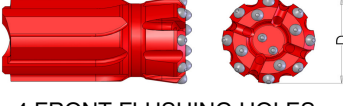
						
Hemispherical	Hemispherical MultiPoint	(Semi) Ballistic	(Semi) Ballistic MultiPoint	CrownPoint	Conical	Full Ballistic

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.

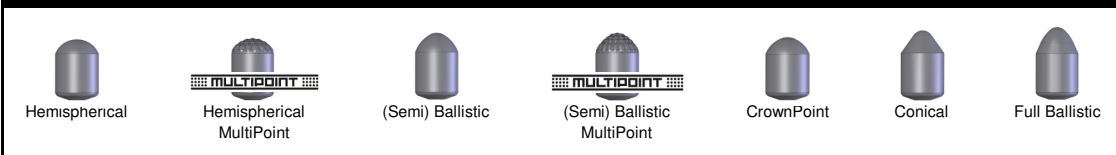
# THREADED BITS



## T-WiZ60 2-3/8" (CONTINUED)

FLAT FACE - RETRAC, STARFLOW  5 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	140	5-1/2	TWIZ60-140BFRT-4009	41132
	BAL	140	5-1/2	TWIZ60-140BFRTB-4010	41133
DROP CENTER - RETRAC  2 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	102	4	TWIZ60-102BRTDCB-3953	44020
DROP CENTER - RETRAC  4 FRONT FLUSHING HOLES	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	95	3-3/4	TWIZ60-95BRTDCB-3912	44060

### 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.

# REAMING ACCESSORIES



## 6° - REAMING BITS, PILOT ADAPTERS, & PILOT RODS

	<b>CARBIDE DESIGN</b>	<b>DIAMETER (D)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
	HEM	64	2-1/2	RBB-64-6-487	43030
	HEM	76	3	RBB-76-6-774	43031
	HEM	89	3-1/2	RBB-89-6-489	43014
<p>D = 26mm (1-1/32")</p>	<b>THREAD</b>	<b>LENGTH (L)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
	R25	267	10-1/2	PAR25-26B-2612	43070
	R28	267	10-1/2	PAR28-26B-2749	43071
	R32	267	10-1/2	PAR32-26B-2408	43072
<p>D = 28mm (1-3/32")</p>	<b>THREAD</b>	<b>LENGTH (L)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
	R25	300	11-13/16	PAR25-28-300	43089
	R28	300	11-13/16	PAR28-28-300	43085
	R32	300	11-13/16	PAR32-28-300	43083
<p>7/8" HEX (22mm), 4-1/4" SHANK (108mm)</p> <p>D = 27mm (1-1/16)</p>		<b>LENGTH (L)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
		400	1' 4"	22H-PR-400-6	47284
		800	2' 7"	22H-PR-800-6	47205
		1200	3' 11"	22H-PR-1200-6	43703
		1600	5' 3"	22H-PR-1600-6	47105
		1800	5' 11"	22H-PR-1800-6	47225
		2000	6' 7"	22H-PR-2000-6	47169
		2400	7' 10"	22H-PR-2400-6	47116
		3000	9' 10"	22H-PR-3000-6	47227
	3300	10' 10"	22H-PR-3300-6	47106	

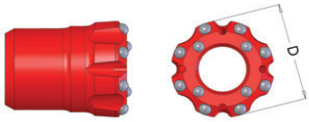
## 12° - REAMING BITS & PILOT ADAPTERS

	<b>CARBIDE DESIGN</b>	<b>DIAMETER (D)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
	HEM	76	3	RBB-76-12-1771	43010
	HEM	89	3-1/2	RBB-89-12-095	43011
	HEM	102	4	RBB-102-12-096	43012
	HEM	115	4-1/2	RBB-115-12-2453	43017
	HEM	127	5	RBB-127-12-097	43013
<p>D = 41mm (1-5/8")</p>	<b>THREAD</b>	<b>LENGTH (L)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
	R32	240	9-7/16	PAR32-41B-2099	43073
	T38	240	9-7/16	PAT38-41B-2759	43074
<p>D = 40mm (1-9/16")</p>	<b>THREAD</b>	<b>LENGTH (L)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
	R25	255	10-1/32	PAR32-40-255	43082
	R28	255	10-1/32	PAR35-40-255	43099
	R32	265	10-13/32	PAT38-40-265	43092
	<b>THREAD</b>	<b>LENGTH (L)</b>		<b>PART NUMBER</b>	
		<b>mm</b>	<b>In.</b>	<b>USA</b>	<b>AUSTRIA</b>
	R32-R32	242	9-1/2	PAR32-12-R32-242	43084
	R35-R35	242	9-1/2	PAR35-12-R35-242	43093
	T38-R32	260	10-7/32	PAT38-12-R32-260	43097


# REAMING ACCESSORIES



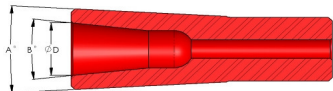
## 12° - REAMING BITS & PILOT ADAPTERS (LOCKING THREAD T12)

	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	RBB-102-T12-490	43000
	HEM	115	4-1/2	RBB-115-T12-491	43002
	HEM	127	5	RBB-127-T12-492	43001

 D = 47mm (1-7/8")	THREAD	LENGTH (L)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	R32	304	12	PAR32-47-T12-498	43075
	R38	304	12	PAR38-47-T12-499	43076
	T38	304	12	PAT38-47-T12-732	43078
	T45	304	12	PAT45-47-T12-231	43079

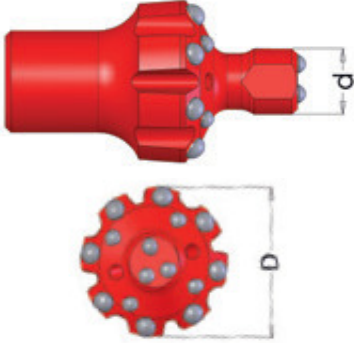
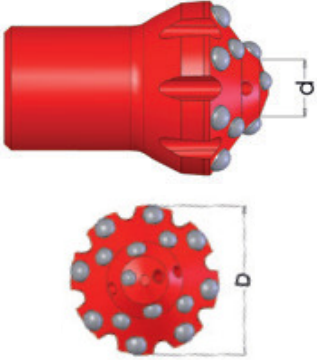
## REAMING SHELLS

	ANGLE (A)	D X B°		PART NUMBER	
		mm	In.	USA	AUSTRIA
	6°	22 x 12°	7/8 x 12°	RS2212-6	43035
	6°	22 x 11°	7/8 x 11°	RS2211-6	43036

# REAMING ACCESSORIES



## HOLE OPENERS

STANDARD TYPE	THD	DIAMETER (D)		DIAMETER (d)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R32	102	4	41	1-5/8
	T38	102	4	51	2	T38-51-102HO-889	43043
	T38	127	5	67	2-5/8	T38-67-127HO-278	43044
	T45	127	5	64	2-1/2	T45-64-127HO-4086	43059
	T45	127	5	73	2-7/8	T45-73-127HO-279	43045
	T38	152	6	102	4	T38-102-152HO-896	43046
	T45	152	6	64	2-1/2	T45-64-152HO-3681	43060
	ST58	152	6	89	3-1/2	ST58-89-152HO-303	43047
	R38	178	7	76	3	R38-76-178HO-1346	43048
	T38	203	8	152	6	T38-152-203HO-119	43049
	ST58	225	8-7/8	127	5	ST58-127-225HO-3482	43061
CONE TYPE	THD	DIAMETER (D)		DIAMETER (d)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R32	76	3	29	1-5/32
	R32	89	3-1/2	29	1-5/32	R32-29-89CO-1277	43041
	R32	102	4	29	1-5/32	R32-29-102CO-192	43042
	R35	102	4	29	1-5/32	R35-29-102CO-891	43052
	T38	102	4	29	1-5/32	T38-29-102CO-3679	43064
	R32	115	4-1/2	29	1-5/32	R32-29-115CO-247	43050
	T38	115	4-1/2	29	1-5/32	T38-29-115CO-3680	43065
	R32	127	5	29	1-5/32	R32-29-127CO-270	43051
	T38	127	5	29	1-5/32	T38-29-127CO-039	43066

NOTE: ADDITIONAL THREADS AND SIZES AVAILABLE UPON REQUEST.

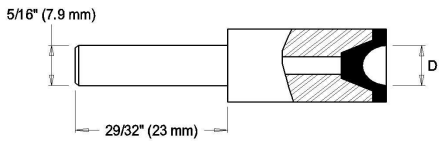


# GRINDING ACCESSORIES



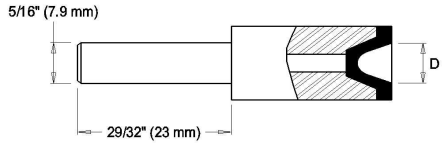
## GRINDING PINS - COMBINATION

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
11	26	1-1/32	7200	23' 8"	714-7226	49189
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
12	32	1-1/4	7200	23' 8"	714-7232	49233
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

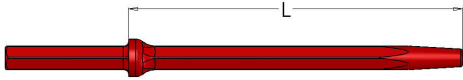


# DRILL RODS

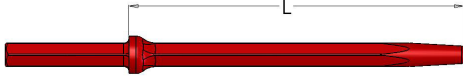
## TAPERED - HF Hardened



### 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

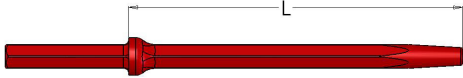
22 MM (7/8") KNOCK-OFF BLOCK	PART NUMBER	
	USA	AUSTRIA
		KOB22T

# DRILL RODS

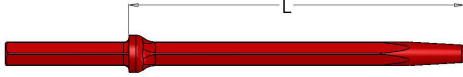
## TAPERED - Carburized



### 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

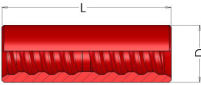
### TAPER BIT KNOCK OFF TOOL

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

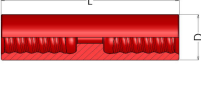
# COUPLINGS AND ADAPTERS THREAD / COUPLING GREASE



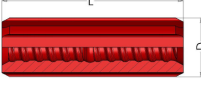
## COUPLINGS

	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
* SLIM DESIGN	T51 HD	225	8-7/8	76	3	CT51-76-1195	41686

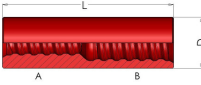
## COUPLINGS - Full Bridge

	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
	R32	300	11-13/16	44	1-23/32	CR32FB-44-4137	17367
	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



R38 - R38 - Rd 39 1-1/2" ROPE THREAD (38mm) HF Hardened								
SINGLE THREAD	LENGTH (L)		PART NUMBER					
	mm	FT	USA	AUSTRIA				
1220						4'	R38R-1220	11404
1830						6'	R38R-1830	11405
2000						6' 7"	R38R-2000	11313
2435						8'	R38R-2440	14883
3050						10'	R38R-3050	14914
3660						12'	R38R-3660	14915
4265						14'	R38R-4270	14916


T38 - T38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm) HF Hardened								
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
* WITH WRENCH FLATS								
4265 14' T38R-4270 11130								
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					

T45 - T45 - Rd 46 1-3/4" TRAPEZOIDAL THREAD (45mm) HF Hardened								
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
	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

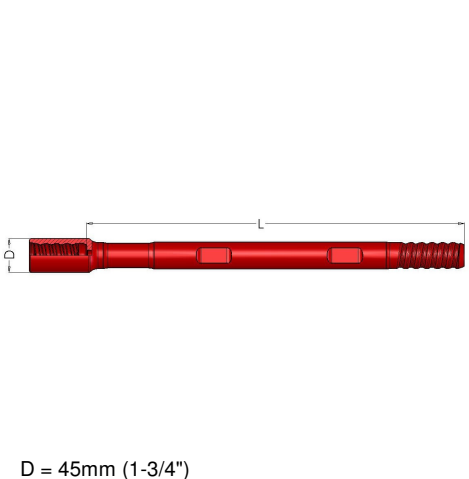
<b>T51 - T51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm) Carburized</b>				
SINGLE THREAD	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		3050	10'	T51R-3050-C
3660		12'	T51R-3660-C	47141
4875		16'	T51R-4875-C	47387
5490		18'	T51R-5490-C	47375

# DRILL RODS

## ROUND EXTENSION - MALE / FEMALE

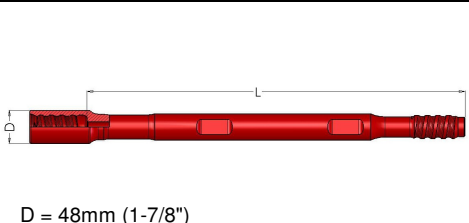


### MF-Rod R32 - R32 - Rd 32 1-1/4" ROPE THREAD (32mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	915	3'	R3232MF-915	47353
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	

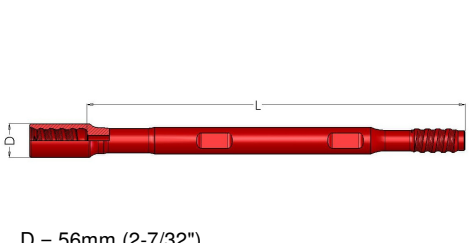
D = 45mm (1-3/4")

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

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T3538MF-1220	43784
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	

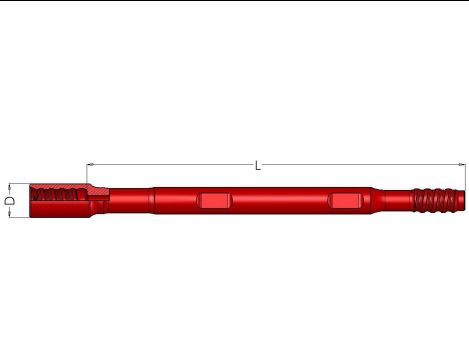
D = 48mm (1-7/8")

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

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	R3838MF-1220	47269
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	47316
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	

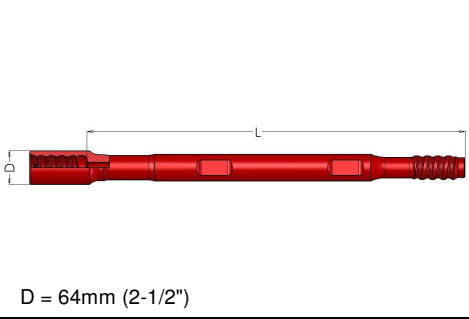
D = 56mm (2-7/32")

# DRILL RODS

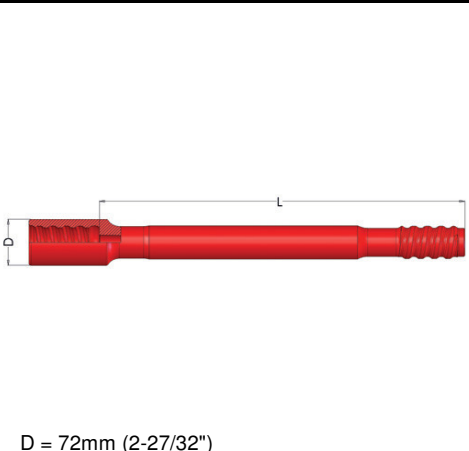
## ROUND EXTENSION - MALE / FEMALE



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

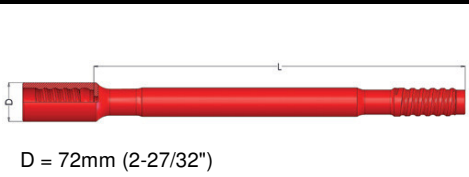
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	D = 64mm (2-1/2")			
	1000	3' 3"	T4545MF-1000	47256
	1220	4'	T4545MF-1220	47491
	1500	4' 11"	T4545MF-1500	47292
	1525	5'	T4545MF-1525	47132
	1830	6'	T4545MF-1830	47172
	2000	6' 7"	T4545MF-2000	47264
	2435	8'	T4545MF-2440	47402
	3000	9' 10"	T4545MF-3000	47262
	3050	10'	T4545MF-3050	47173
	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)

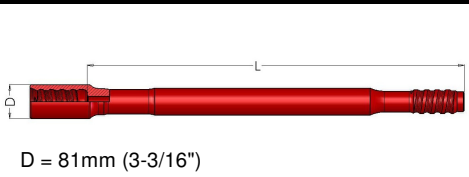
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	D = 72mm (2-27/32")			
	1000	3' 3"	T5151MF-1000	43918
	1220	4'	T5151MF-1220	47323
	1500	4' 11"	T5151MF-1500	47352
	1525	5'	T5151MF-1525	43928
	1830	6'	T5151MF-1830	47337
	2000	6' 7"	T5151MF-2000	43914
	3000	9' 10"	T5151MF-3000	43915
	3050	10'	T5151MF-3050	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



	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	D = 72mm (2-27/32")			
	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)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	D = 81mm (3-3/16")			
	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 XT60 - XT60 - Rd 60 2-1/4" TRAPEZOIDAL THREAD (60mm)  
ROCKMORE Vector Rod System (ROCKMORE XT60)



	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	XT6060MF-3660	43975
4270	14'	XT6060MF-4270	43976	
6100	20'	XT6060MF-6095	43992	

MF-Rod XT60 - XT60 - Rd 60 2-1/4" TRAPEZOIDAL THREAD (60mm)  
ROCKMORE Vector Rod System (ROCKMORE XT60)



	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	XT6060MF85-3660	47080
4270	14'	XT6060MF85-4270	47081	
6100	20'	XT6060MF85-6095	47082	

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

	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)

	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)

	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)

	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)

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

<p>D = 64mm (2-1/2")</p>	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)

<p>D = 64mm (2-1/2")</p>	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)

<p>D = 76mm (3")</p>	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	

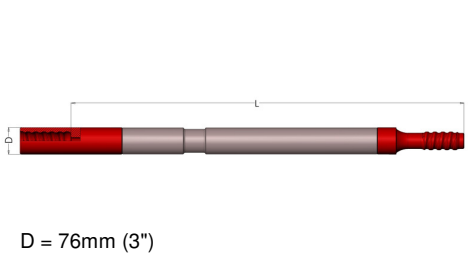


# DRILL RODS

## STARTER GUIDE TUBE - MALE / FEMALE

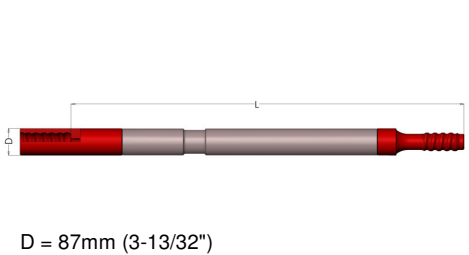


### MF-Tube T51 - T51 - Rd 76 2" TRAPEZOIDAL THREAD (51mm) X 3" ROUND (76mm)

	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	

D = 76mm (3")

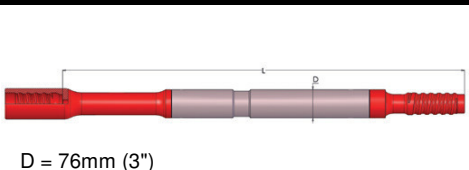
### MF-Tube T51 - T51 - Rd 87 2" TRAPEZOIDAL THREAD (51mm) X 3-13/32" ROUND (87mm)

	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	
3660	12'	T51SGT-87-3660	47705	
4270	14'	T51SGT-87-4270	47706	

D = 87mm (3-13/32")

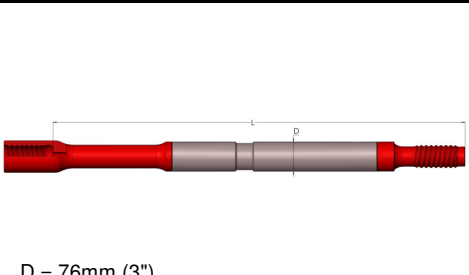
### MF-Tube XT51 - XT51 - Rd 76 2" TRAPEZOIDAL THREAD (51mm) X 3" ROUND (76mm) ROCKMORE Vector Rod System



	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	XT51SGT-76-3660	47731
4270	14'	XT51SGT-76-4270	47737	
4670	15' 4"	XT51SGT-76-4670	47738	
5180	17'	XT51SGT-76-5180	47739	

D = 76mm (3")

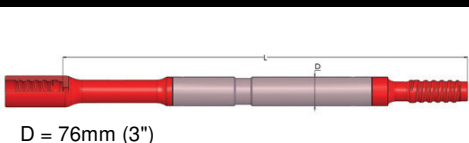
### MF-Tube ST58 - ST58 - Rd 76 2-1/4" TRAPEZOIDAL THREAD (58mm) X 3" ROUND (76mm)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	ST58SGT-76-1220	47680
1525	5'	ST58SGT-76-1525	47681	
1830	6'	ST58SGT-76-1830	47682	
2440	8'	ST58SGT-76-2440	47683	
3050	10'	ST58SGT-76-3050	47684	
3660	12'	ST58SGT-76-3660	47685	
4270	14'	ST58SGT-76-4270	47686	
5200	17' 3/4"	ST58SGT-76-5200	47687	

D = 76mm (3")

### MF-Tube XT60 - XT60 - Rd 76 2-1/4" TRAPEZOIDAL THREAD (51mm) X 3" ROUND (76mm) ROCKMORE Vector Rod System (ROCKMORE XT60)



	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	XT60SGT-76-3660	47795
4270	14'	XT60SGT-76-4270	47796	
5180	17'	XT60SGT-76-5180	47797	

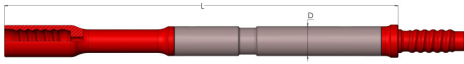
D = 76mm (3")

# DRILL RODS

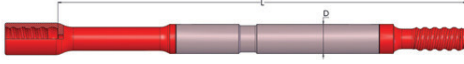
## STARTER GUIDE TUBE - MALE / FEMALE



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

 <p>D = 76mm (3")</p>	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	

### MF-Tube T-WiZ60 - T-WiZ60 - Rd 76 2-1/4" TRAPEZOIDAL THREAD (60mm) X 3" ROUND (76mm)

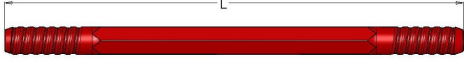
 <p>D = 76mm (3")</p>	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4270	14'	TWIZ60SGT-76-4270	47604

# DRILL RODS

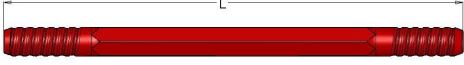
## HEX EXTENSION - MALE / MALE



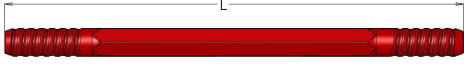
### R22 - R22 - HEX 22 7/8" ROPE THREAD (22mm) X 7/8" HEX (22mm)

	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

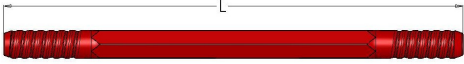
### R25 - R25 - HEX 25 1" ROPE THREAD (25mm) X 1" HEX (25mm)

	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' 10-1/2"	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)

<p>D = 36mm (1-3/8")</p>	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)


<p>D = 39mm (1-1/2")</p>	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)

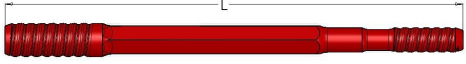
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
		2475	8' 1-1/2"	R28R3828H-2475
	3090	10' 1-1/2"	R28R3828H-3090	47176
	3700	12' 1-1/2"	R28R3828H-3700	41637
	4305	14' 1-1/2"	R28R3828H-4305	41633

# 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

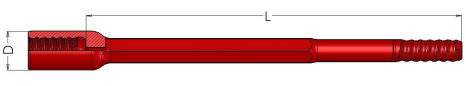


XR32 - R38 - HEX 35 1-1/4" ROPE THREAD (32mm) X 1-1/2" ROPE THREAD (38mm) X 1-3/8" HEX (35mm)

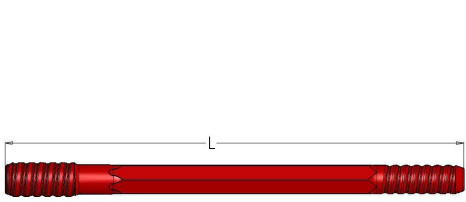
### ROCKMORE XR32 THREAD SYSTEM

	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	

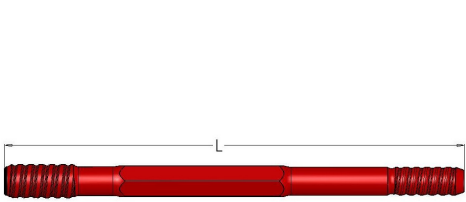
MF-Rod R32M - R38F - HEX 35 1-1/4" ROPE THREAD (32mm) X 1-1/2" FEMALE ROPE THREAD (38mm) X 1-3/8" HEX (35mm)

 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)

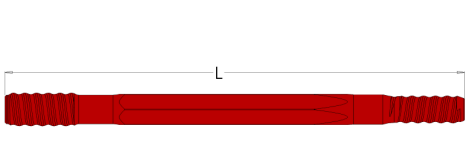
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	2475	8' 1-1/2"	R32T3832H-2475	43765
2600	8' 6"	R32T3832H-2600	47319	
3090	10' 1-1/2"	R32T3832H-3090	11383	
3400	11' 2"	R32T3832H-3400	43871	
3700	12' 1-1/2"	R32T3832H-3700	11384	
4005	13' 1-1/2"	R32T3832H-4005	47306	
4305	14' 1-1/2"	R32T3832H-4305	11386	
4915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

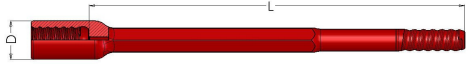
	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3700	12' 1-1/2"	XR32T3835H-3700	43613
4305	14' 1-1/2"	XR32T3835H-4305	43638	
4915	16' 1-1/2"	XR32T3835H-4915	43641	
5525	18' 1-1/2"	XR32T3835H-5525	43689	

# 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)

	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	D = 56mm (2-7/32")			
	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
	D = 56mm (2-7/32")			
	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
	D = 56mm (2-7/32")			
	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)


	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	D = 56mm (2-7/32")			
	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	

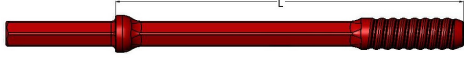
**R35 - T38 - RD 39 1-3/8" ROPE THREAD (35mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-1/2" ROUND (39mm)**

	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



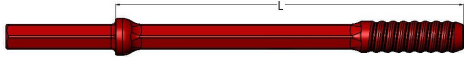
## R22 7/8" ROPE THREAD (22mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)

	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


## R25 1" ROPE THREAD (25mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)

	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	


## R25 1" ROPE THREAD (25mm) X 1" HEX (25mm), 4-1/4" SHANK (108mm)

	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	

## R25 1" ROPE THREAD (25mm) X 1" HEX (25mm), 6-1/4" SHANK (159mm)

 WITH SEAL	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25H-R25-255-S	41719

# 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)

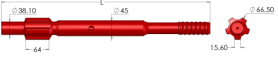
<p>WITH SEAL</p>	LENGTH (L)		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25H-R32-255-S	47026

# SHANK ADAPTERS

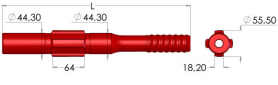


## BOART

### 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
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	1.73	R322014-001
R38	380	14.96	44	1.73	R382014-001	11337	
T38	380	14.96	44	1.73	T382014-001	41761	
T45	380	14.96	44	1.73	T452014-001	41759	
R32	446	17.56	44	1.73	R322014-002	11341	
R38	446	17.56	44	1.73	R382014-002	11338	
T38	446	17.56	44	1.73	T382014-002	11339	
T45	446	17.56	44	1.73	T452016-002	11331	

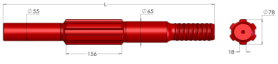
## BOHLER

### 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
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
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.

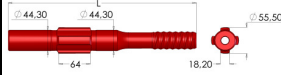
# SHANK ADAPTERS



## DEMAG

### DEMAG - RD 500

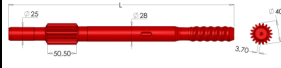
THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	44	1.73	R322014-001
R38	380	14.96	44	1.73	R382014-001	11337
T38	380	14.96	44	1.73	T382014-001	41761
T45	380	14.96	44	1.73	T452014-001	41759
R32	446	17.56	44	1.73	R322014-002	11341
R38	446	17.56	44	1.73	R382014-002	11338
T38	446	17.56	44	1.73	T382014-002	11339
T45	446	17.56	44	1.73	T452016-002	11331



## DOOFOR

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

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
R25	400	15.75	28	1.10	R25184SF-001	41978
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
R32	470	18.50	39	1.54	R32177SF-002	48145



### DOOFOR - DF 545, 550

THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	mm	In.	mm	In.	USA	AUSTRIA
T38	515	20.28	39	1.54	T38178SF-001	41914



### DOOFOR - DF 545HD, 560L

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



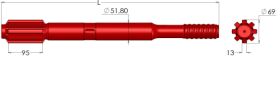
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.



# SHANK ADAPTERS




## DOOFOR - DF 600 S, 700 S

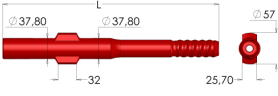
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	600	23.62	52	2.05	T3858SF-002	48956
T45	600	23.62	52	2.05	T4558SF-002	48899	
XT45 *	600	23.62	52	2.05	XT4558SF-002	48075	
T51	600	23.62	52	2.05	T5158SF-002	48900	
XT51 *	600	23.62	52	2.05	XT5158SF-002	48013	

## EPIROC


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

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R25	380	14.96	32	1.25	R254410-001	13394
R32	380	14.96	32	1.25	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	1.50	R323110-001	11090
R38	390	15.35	38	1.50	R383110-002	47800	
T38	390	15.35	38	1.50	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	1.73	T383214-001	11484
T45	550	21.65	44	1.73	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	41801
R32	400	15.75	45	1.75	R32138SF-001	41823	

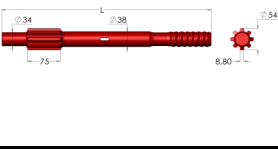
\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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

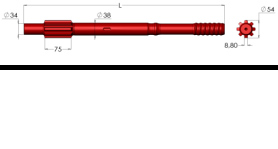
# SHANK ADAPTERS




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

	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	

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	500	19.69	45	1.75	T4535SF-004
R32	575	22.64	45	1.75	R3235SF-006	48946	
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	
T1 30	710	27.95	52	2.05	T13035SF-010	48099	

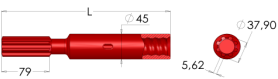
## EPIROC - COP 1132 (MALE)

	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 (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

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


# SHANK ADAPTERS



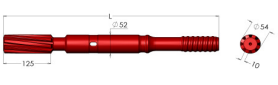
## EPIROC - COP 1140, 1435

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	410	16.14	35	1.38	R32144SF-001	48066

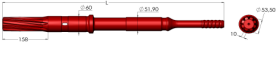
## EPIROC - COP 1240, 1640

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	565	22.24	52	2.05	R3243SF-001	48000
	T35	565	22.24	52	2.05	T3543SF-001	48034
	T38	565	22.24	52	2.05	T3843SF-001	48001

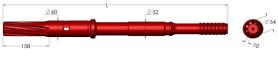
## EPIROC - COP 1240, 1640, 1840, 1850, 2540 PLUS

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	565	22.24	52	2.05	T4543SF-001	48864
	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 1240 EX, 1640 EX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	770	30.31	60	2.36	R3243SF-002	48002
	T38	770	30.31	60	2.36	T3843SF-002	48003


## EPIROC - COP 1240 EX, 1640 EX, 1840 EX, 1850 EX, 2150 EX, 2540 EX, 2550 EX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	770	30.31	60	2.36	T4543SF-002	48865
	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

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	435	17.13	38	1.50	R3236SF-001	47899
	R38	435	17.13	38	1.50	R3836SF-001	47879
	T38	435	17.13	38	1.50	T3836SF-001	47894

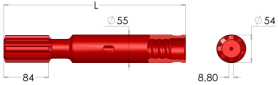
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	525	20.67	38	1.50	R3236SF-002	47886
	R38	525	20.67	38	1.50	R3836SF-002	48897
	T35	525	20.67	38	1.50	T3536SF-002	48028
	T38	525	20.67	38	1.50	T3836SF-002	48943

\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD  
 NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS.  
 VERIFY ALL DIMENSIONS BEFORE ORDERING.


# SHANK ADAPTERS




## 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	


## 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


  

	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
		R35	730	28.74	52	2.05	R35147SF-001
T38	730	28.74	52	2.05	T38147SF-001	48038	
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 2150 EX, 2550 EX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	770	30.31	60	2.36	T51146SF-001


\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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

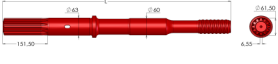
# SHANK ADAPTERS



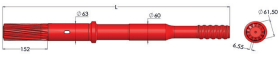
## EPIROC - COP 2160, 2560

	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	

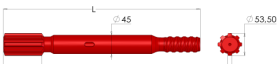
## EPIROC - COP 2160 EX, 2560 EX

	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	


## EPIROC - COP 2560 EX PLUS

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


## 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
T38	435	17.13	45	1.75	T38115SF-003	48050	
T45	450	17.72	45	1.75	T45115SF-001	48048	
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
XT60 *	840	33.07	60	2.36	XT60111SF-001	48045	
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
XT60 *	840	33.07	60	2.36	XT60112SF-001	48069	
T-WiZ60	840	33.07	60	2.36	TWIZ60112SF-001	48142	

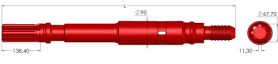
\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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

# SHANK ADAPTERS

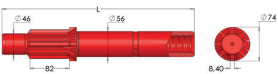


## EPIROC - COP 4050 MUX

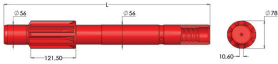
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	ST58	835	32.87	90	3.54	ST58145SF-001	48016
ST68	835	32.87	90	3.54	ST68145SF-001	48018	

## EURODRILL

### EURODRILL - HD 1001 (FEMALE)

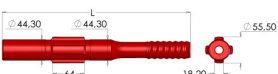
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	410	16.14	56	2.20	R32326SF-001	48119
R38	430	16.93	56	2.20	R38326SF-002	48120	
TI 30	380	14.96	56	2.20	TI30326SF-003	41733	
TI 40	400	15.75	56	2.20	TI40326SF-004	41734	

### 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 (4 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	44	1.73	R322014-001	41760
R38	380	14.96	44	1.73	R382014-001	11337	
T38	380	14.96	44	1.73	T382014-001	41761	
T45	380	14.96	44	1.73	T452014-001	41759	
R32	446	17.56	44	1.73	R322014-002	11341	
R38	446	17.56	44	1.73	R382014-002	11338	
T38	446	17.56	44	1.73	T382014-002	11339	
T45	446	17.56	44	1.73	T452016-002	11331	

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

# SHANK ADAPTERS



## FURUKAWA - PD 200

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R32	380	14.96	44	1.73
	R38	380	14.96	44	1.73	R382014-001	11337
	T38	380	14.96	44	1.73	T382014-001	41761
	T45	380	14.96	44	1.73	T452014-001	41759
	R32	446	17.56	44	1.73	R322014-002	11341
	R38	446	17.56	44	1.73	R382014-002	11338
	T38	446	17.56	44	1.73	T382014-002	11339
	T45	446	17.56	44	1.73	T452016-002	11331

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

## FURUKAWA - HD 260

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			T38	537	21.14	44	1.73
	T45	550	21.65	44	1.73	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
	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
	T45	635	25.00	56	2.20	T458716-002	41905
	T51	635	25.00	56	2.20	T518716-002	48974

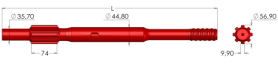
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.



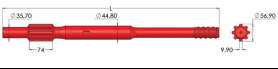
# SHANK ADAPTERS




## 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	

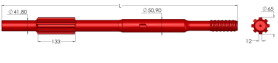
  

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	690	27.17	45	1.75	T38121SF-004
T45	690	27.17	45	1.75	T45121SF-004	41854	

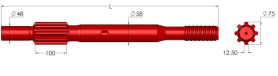
## FURUKAWA - HD 612 (STD)

	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	

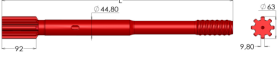
## FURUKAWA - HD 612 (QED)

	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	


## 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
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
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
T45	785	30.91	45	1.75	T45130SF-003	41955	
T45	815	32.09	45	1.75	T45130SF-002	41931	

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


# SHANK ADAPTERS




## 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	

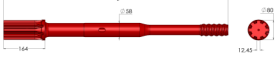
## FURUKAWA - HD 712 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	885	34.84	51	2.00	T38128SF-003	41868
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	

## 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	41932
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	48065
XT51 *	885	34.84	51	2.00	XT51132SF-001	48068	

## 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	47850
T45	620	24.41	45	1.75	T4522SF-002	47860	


\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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

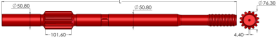
# SHANK ADAPTERS




## 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	47922
	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	48863
	T51	915	36.02	51	2.00	T5124SF-001	47924

## GARDNER DENVER - 93


	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R25	380	14.96	32	1.25	R254410-001	13394
	R32	380	14.96	32	1.25	R324410-001	13397

## GARDNER DENVER - PR 123 (4 SPLINES)

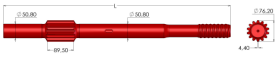
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	14.96	44	1.73	R322014-001	41760
	R38	380	14.96	44	1.73	R382014-001	11337
	T38	380	14.96	44	1.73	T382014-001	41761
	T45	380	14.96	44	1.73	T452014-001	41759
	R32	446	17.56	44	1.73	R322014-002	11341
	R38	446	17.56	44	1.73	R382014-002	11338
	T38	446	17.56	44	1.73	T382014-002	11339
	T45	446	17.56	44	1.73	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	1.73	T38301SF-001	41861
	T45	770	30.31	44	1.73	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	48996
	T51	770	30.31	51	2.00	T51300SF-001	48991

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

# SHANK ADAPTERS



## 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	48863
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	2.40	T51302SF-001	41900
ST58	1041	40.98	61	2.40	ST58302SF-001	41901	
XT60 *	1041	40.98	61	2.40	XT60302SF-001	41987	
GT60	1041	40.98	61	2.40	GT60302SF-001	48072	

## 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	1.73	T383214-001	11484
T45	550	21.65	44	1.73	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	47943
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	48809
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	48925
T51	495	19.49	51	2.00	T511119-001	48922	

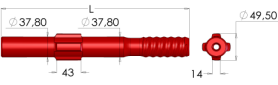
\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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


# SHANK ADAPTERS



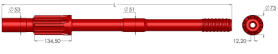
## INGERSOLL RAND - YD 90 M

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	330	12.99	38	1.50	R321310-001
R38	330	12.99	38	1.50	R381310-001	48830	
T38	330	12.99	38	1.50	T381310-001	47863	


## INGERSOLL RAND - YH 95, 100

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	625	24.61	51	2.00	T451623-001
T51	625	24.61	51	2.00	T511623-001	47955	

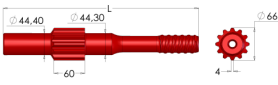
## INGERSOLL RAND - YH 95 RP, 100 RP (REVERSE PERCUSSIVE)

	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	

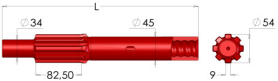
## INGERSOLL RAND - YH 110 V, 135

	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	1.73	T381814-001
T45	349	13.74	44	1.73	T451814-001	48880	
T38	381	15.00	44	1.73	T381814-002	48881	
T45	381	15.00	44	1.73	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	1.25	R254410-001
R32	380	14.96	32	1.25	R324410-001	13397	

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

# SHANK ADAPTERS



## 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	1.73	R322014-001
R38	380	14.96	44	1.73	R382014-001	11337
T38	380	14.96	44	1.73	T382014-001	41761
T45	380	14.96	44	1.73	T452014-001	41759
R32	446	17.56	44	1.73	R322014-002	11341
R38	446	17.56	44	1.73	R382014-002	11338
T38	446	17.56	44	1.73	T382014-002	11339
T45	446	17.56	44	1.73	T452016-002	11331

## 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	2.56	T38150SF-003
T45	690	27.17	65	2.56	T45150SF-003	41755
T51	711	27.99	65	2.56	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
T38	450	17.72	38	1.50	T387116-006	47844
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	1.73	T387219-001
T45	440	17.32	44	1.73	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	1.25	R254410-001
R32	380	14.96	32	1.25	R324410-001	13397

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

# SHANK ADAPTERS



## KLEMM

### KLEMM - 4026, 4053

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

## KRUPP

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

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
			mm	In.	mm	In.	USA
R32	473	18.62	36	1.42	R32157SF-004	41924	

### KRUPP - HB 5A

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
			mm	In.	mm	In.	USA
R38	470	18.50	56	2.20	R38157SF-003	41910	

### KRUPP - HB 101

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
			mm	In.	mm	In.	USA
	T38	690	27.17	65	2.56	T38150SF-003	41754
	T45	690	27.17	65	2.56	T45150SF-003	41755
T51	711	27.99	65	2.56	T51150SF-005	41756	

## MONTABERT

### MONTABERT - HC 20 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
			mm	In.	mm	In.	USA
	R32	287	11.30	45	1.75	R32181SF-001	41933
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
R32	187	7.36	45	1.75	R32180SF-001	41929	
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
			mm	In.	mm	In.	USA
HEX 22	199	7.83	45	1.75	H22180SF-002	48114	
HEX 25	199	7.83	45	1.75	H25180SF-002	48144	

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

# SHANK ADAPTERS



## 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	41957
R38	350	13.78	45	1.75	R38183SF-002	41964
T38	350	13.78	45	1.75	T38183SF-002	48132

## 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
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 258 (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	1.25	R254410-001	13394
R32	380	14.96	32	1.25	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	1.50	R323110-001	11090
R38	390	15.35	38	1.50	R383110-002	47800
T38	390	15.35	38	1.50	T383110-002	41789

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



# SHANK ADAPTERS



## 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

## 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	48977
	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	47941

## 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	41895
	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

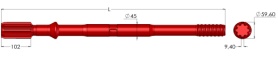
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	490	19.29	45	1.75	T3892SF-001	41819
	T45	490	19.29	45	1.75	T4592SF-001	41814
	T38	540	21.26	45	1.75	T3892SF-002	41881

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


# SHANK ADAPTERS




## 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	


## MONTABERT - HC 95

	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	

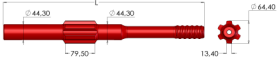
## MONTABERT - HC 95 R

	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	

	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)

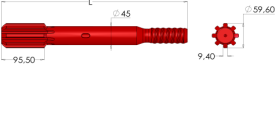
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	537	21.14	44	1.73	T383214-001
T45	550	21.65	44	1.73	T453214-002	11335	

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

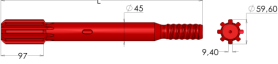
# SHANK ADAPTERS



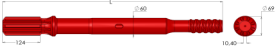
## MONTABERT - HC 110 CA/CS

	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	


## 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	

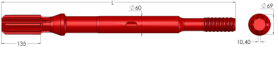
## MONTABERT - HC 112 LH

	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	
XT60 *	810	31.89	60	2.36	XT6096SF-001	48155	
GT60	810	31.89	60	2.36	GT6096SF-001	41975	

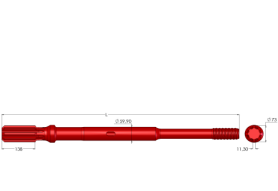
\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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

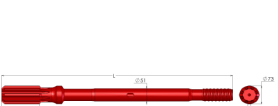
# SHANK ADAPTERS



## MONTABERT - HC 200 A

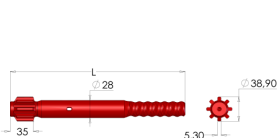
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	840	33.07	60	2.36	T5195SF-002	48979
	GT60	840	33.07	60	2.36	GT6095SF-002	48015
	T51	980	38.58	60	2.36	T5195SF-003	48978

## MONTABERT - HC 200, 200 R

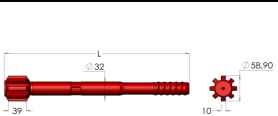
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	840	33.07	51	2.00	T5195SF-001	48947

## SANDVIK

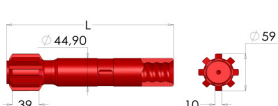
### SANDVIK - HLX 1, RD 106

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R22	265	10.43	28	1.10	R2265SF-001	48025
	R25	265	10.43	28	1.10	R2565SF-001	48024

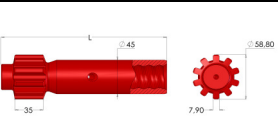
### SANDVIK - HL 300 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	400	15.75	32	1.25	R3257SF-002	47947

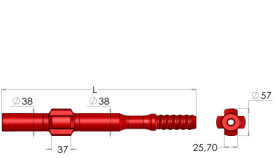
### SANDVIK - HL 300 S (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	245	9.65	45	1.75	R3257SF-001	47912

### 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	

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

# SHANK ADAPTERS



## 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
	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	600	23.62	45	1.75	T3860SF-002	48983
	T45	600	23.62	45	1.75	T4560SF-002	48984

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R32	750	29.53	45	1.75
	T38	750	29.53	45	1.75	T3860SF-005	41890
	T45	750	29.53	45	1.75	T4560SF-005	41891

## 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
	T35	575	22.64	45	1.75	T3561SF-001	48082
	T38	575	22.64	45	1.75	T3861SF-001	41888

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			R32	735	28.94	45	1.75
	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 500-38, 510-38

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

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

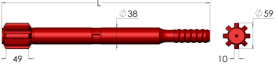
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
			T38	550	21.65	45	1.75
	T45	550	21.65	45	1.75	T4552SF-003	48807

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


# SHANK ADAPTERS



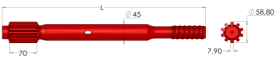
## SANDVIK - HL 500 S-38, 510 S-38, 510 B, 510 LH

	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	

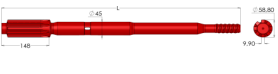
## SANDVIK - HL 510 S-45, 550 SUPER M92, 560 SUPER

	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	


## 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	
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	

## 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	

## 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	

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


# SHANK ADAPTERS



## SANDVIK - HL 600-52

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	650	25.59	52	2.05	T4553SF-005
T51	650	25.59	52	2.05	T5153SF-005	48806	


## 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	

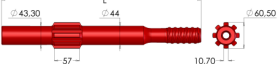
## SANDVIK - HL 650-52, 700-52, 700 PE-52, 700 S-52, 710-52, 710 PE-52, 710 S-52, 710 SPE-52, 800 T-52, 800 PE-52, 810 T-52, HF 810 T-52

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T38	600	23.62	52	2.05	T3858SF-002
T45	600	23.62	52	2.05	T4558SF-002	48899	
XT45 *	600	23.62	52	2.05	XT4558SF-002	48075	
T51	600	23.62	52	2.05	T5158SF-002	48900	
XT51 *	600	23.62	52	2.05	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	1.73	R322014-001
R38	380	14.96	44	1.73	R382014-001	11337	
T38	380	14.96	44	1.73	T382014-001	41761	
T45	380	14.96	44	1.73	T452014-001	41759	
R32	446	17.56	44	1.73	R322014-002	11341	
R38	446	17.56	44	1.73	R382014-002	11338	
T38	446	17.56	44	1.73	T382014-002	11339	
T45	446	17.56	44	1.73	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	


\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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


# SHANK ADAPTERS




## SANDVIK - HL 850 S (SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T45	670	26.38	52	2.05	T4555SF-002
T51	670	26.38	52	2.05	T5155SF-002	47859	


## 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	2.05	T4556SF-002
T51	590	23.23	52	2.05	T5156SF-002	47878	
T45	670	26.38	52	2.05	T4556SF-001	47913	
T51	670	26.38	52	2.05	T5156SF-001	47926	


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

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		ST58	670	26.38	60	2.36	ST5856SF-004
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

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	760	29.92	65	2.56	T5162SF-001
ST58	760	29.92	65	2.56	ST5862SF-001	41870	
XT60 *	760	29.92	65	2.56	XT6062SF-001	48014	
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

## 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
T51	760	29.92	60	2.36	T5159SF-004	48010	
GT60	760	29.92	60	2.36	GT6059SF-004	48008	

\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

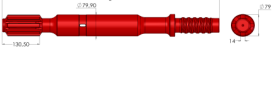
NOTE: OTHER CONFIGURATIONS MAY BE AVAILABLE, INCLUDING OTHER LENGTHS AND/OR DIAMETERS. VERIFY ALL DIMENSIONS BEFORE ORDERING.



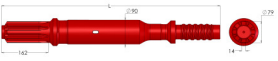
# SHANK ADAPTERS



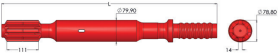
## SANDVIK - HL 1500-80, 1560 T-80, 1060 T-80, HF 1560

	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	
GT60	760	29.92	80	3.15	GT6063SF-003	48063	
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

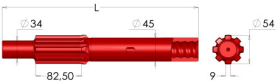
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		GT60	760	29.92	90	3.54	GT6068SF-002

## 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)

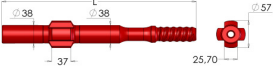
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		R32	351	13.82	45	1.75	R3299SF-001

### 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	47971
		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		

## 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
R38	380	14.96	38	1.50	R385113-001	47847	
T38	380	14.96	38	1.50	T385113-001	47845	

\* XT45, XT51, & XT60 = ROCKMORE VECTOR ROD SYSTEM THREADS. XT60 IS A ROCKMORE PROPRIETARY THREAD

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

For all your rock drilling tool needs contact  
**ROCKMORE INTERNATIONAL**



USA

Phone: 503-682-1001  
Fax: 503-682-1002  
E-mail: [info@rockmore-intl.com](mailto:info@rockmore-intl.com)

10065 SW Commerce Circle  
Wilsonville, OR 97070, USA

AUSTRIA

Phone: 43-3572-86300  
Fax: 43-3572-84179  
E-mail: [austria@rockmore-intl.at](mailto:austria@rockmore-intl.at)

Collini - Strasse 2  
A-8750 Judenburg, Austria



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