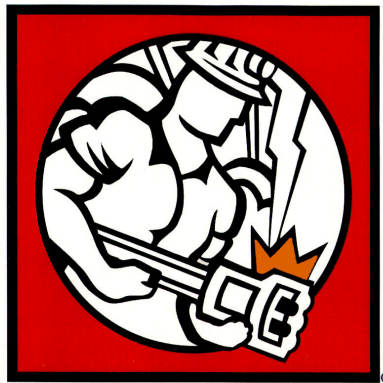


2009
PRODUCT HANDBOOK
JANUARY 2009



**R O C K M O R E
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Rock Drilling Tools
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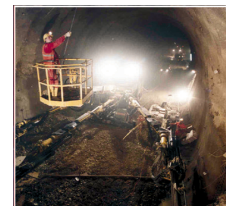
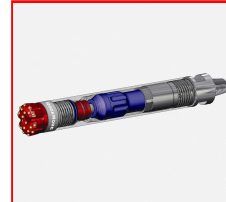


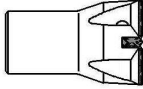
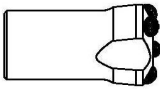
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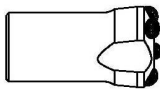
TAPERED BITS



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
		35	1-3/8	T22-35M4-1255	49775
		38	1-1/2	T22-38M4-1437	49707
		41	1-5/8	T22-41M4-1496	49790
		45	1-3/4	T22-45M4-1118	49722
		48	1-7/8	T22-48M4-1497	49791
		51	2	T22-51M4-1367	49712
		57	2-1/4	T22-57M4-1764	49713
B2 DESIGN		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 	CARBIDE DESIGN				
	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	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	51	2	T22-51B24-1761	41031
	BAL	51	2	T22-51B24B-1762	41007

25 mm X 4°46' (1" X 4°46')

B2 DESIGN		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 	CARBIDE DESIGN				
	HEM	38	1-1/2	T25-38B24-1272	41051
	HEM	41	1-5/8	T25-41B24-1503	41062
	HEM	45	1-3/4	T25-45B24-1504	41078

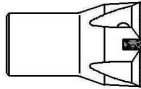
CARBIDE DESIGN SELECTION

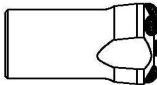
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

TAPERED BITS



22 mm X 7° (7/8" X 7°)

CROSS MULTI - USE		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		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
			mm	In.	USA	AUSTRIA	
		 	BAL	30	1-13/16	T22-30B27B-1736	41073
			BAL	33	1-5/16	T22-33B27B-1375	41074
			HEM	36	1-3/8	T22-36B27-1756	41065
			BAL	36	1-3/8	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			

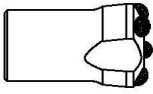
CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * 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
 		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
 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
	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

25 mm X 11° (1" X 11°)

CROSS SINGLE - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 		35	1-3/8	T25-35S11-576	49777
		38	1-1/2	T25-38S11-577	49778
		41	1-5/8	T25-41S11-578	49779
		45	1-3/4	T25-45S11-579	49780

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

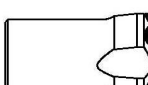
TAPERED BITS



22 mm X 12° (7/8" X 12°)

CROSS SINGLE - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
	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
	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

25 mm X 12° (1" X 12°)

B2 DESIGN		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	38	1-1/2	T25-38B212-1168	41071
		HEM	41	1-5/8	T25-41B212-1234	41094
		HEM	45	1-3/4	T25-45B212-1182	41095

CARBIDE DESIGN SELECTION

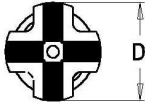
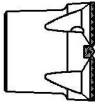
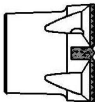
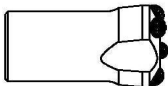
					
Hemispherical	FA	(Semi) Ballistic	Multi-Dome	Conical	Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

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



"H" THREAD

CROSS SINGLE - USE 		DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
		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		
		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			
B2 DESIGN 		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	38	1-1/2	H-38B2-1070	41106
		HEM	41	1-5/8	H-41B2-1071	41102
		HEM	45	1-3/4	H-45B2-1072	41103
		HEM	48	1-7/8	H-48B2-817	41104
		HEM	51	2	H-51B2-1172	41105

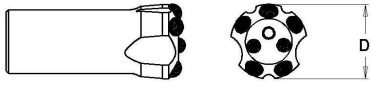
CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

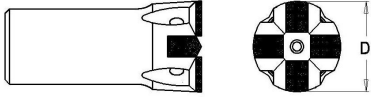
THREADED BITS



R 22 7/8" ROPE THREAD

B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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	45	1-3/4	R22-45B2-1518	44615

R 25 1" ROPE THREAD

CROSS MULTI - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		35	1-3/8	R25-35M-415	49673
		38	1-1/2	R25-38M-413	49600
		41	1-5/8	R25-41M-663	49601
		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
	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	38	1-1/2	R25-38B2-1520	44617
	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
B3 DESIGN	HEM	51	2	R25-51B3-085	44328
	BAL	51	2	R25-51B2-2628	44329
	HEM	57	2-1/4	R25-57B3-1528	44629
	BAL	57	2-1/4	R25-57B3B-1529	44632

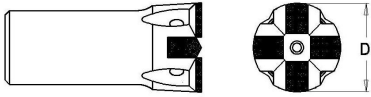
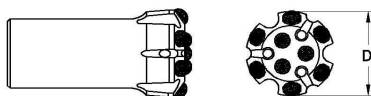
CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

THREADED BITS



R 28 1-1/8" ROPE THREAD

CROSS MULTI - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		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		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	CARBIDE DESIGN				
	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-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
B3 DESIGN		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	CARBIDE DESIGN				
	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

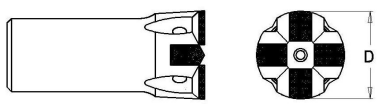
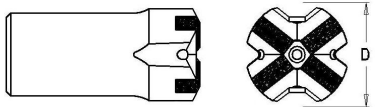
CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

THREADED BITS



R 32 1-1/4" ROPE THREAD

CROSS MULTI - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		41	1-5/8	R32-41M-138	49608
	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	
	64	2-1/2	R32-64M-904	49648	
	70	2-3/4	R32-70MHD-145	49646	
	76	3	R32-76MHD-147	49670	
X MULTI - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		89	3-1/2	R32-89XHD-400	49647
	102	4	R32-102XHD-401	49692	
B2 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		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
	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	R32-48B2-1394 *	44529
	BAL	48	1-7/8	R32-48B2B-362	44659
HEM	51	2	R32-51B2-358	44757	
	BAL	51	2	R32-51B2B-366	44567
* = 2 SIDE FLUSH HOLES					
B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	45	1-3/4	R32-45B3-1295	44675
	HEM	45	1 3/4	R32-45B3-755 *	44726
	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
	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
	BAL	51	2	R32-51B3B-383	44802
	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	
* = LARGER GAUGE CARBIDE					

CARBIDE DESIGN SELECTION

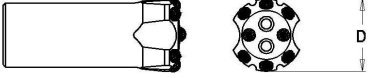
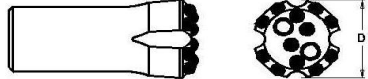
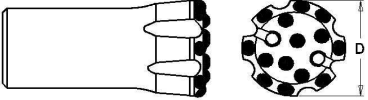
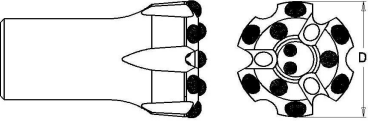
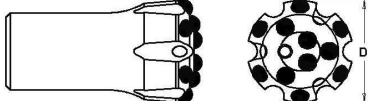
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

THREADED BITS



R 32 1-1/4" ROPE THREAD

(CONTINUED)

B DESIGN	CARBIDE	DIAMETER (D)		PART NUMBER	
	DESIGN	mm	In.	USA	AUSTRIA
	HEM	41	1-5/8	R32-41B-452	44803
	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
FLAT FACE	CARBIDE	DIAMETER (D)		PART NUMBER	
	DESIGN	mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	R32-64BF-011	44571
	BAL	64	2-1/2	R32-64BFB-1392	44572
FLAT FACE	CARBIDE	DIAMETER (D)		PART NUMBER	
	DESIGN	mm	In.	USA	AUSTRIA
	HEM	76	3	R32-76BF-017	44731
	BAL	76	3	R32-76BFB-1544	44725
DROP CENTER	CARBIDE	DIAMETER (D)		PART NUMBER	
	DESIGN	mm	In.	USA	AUSTRIA
	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
SEMI DOME	CARBIDE	DIAMETER (D)		PART NUMBER	
	DESIGN	mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	R32-64BSD-1174	44545
	HEM	70	2-3/4	R32-70BSD-375	44546
	HEM	76	3	R32-76BSD-287	44665
	HEM	89	3-1/2	R32-89BSD-1163	44581
FLAT FACE - RETRAC	CARBIDE	DIAMETER (D)		PART NUMBER	
	DESIGN	mm	In.	USA	AUSTRIA
	HEM	48	1-7/8	R32-48BFRT-1763	44540
	BAL	48	1-7/8	R32-48BFRTB-1742	44542
	HEM	51	2	R32-51BFRT-1331	41174
	BAL	51	2	R32-51BFRTB-1486	44758
	HEM	57	2-1/4	R32-57BFRT-1337	41173
	BAL	57	2-1/4	R32-57BFRTB-1546	44806
FLAT FACE - RETRAC	CARBIDE	DIAMETER (D)		PART NUMBER	
	DESIGN	mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	R32-64BFRT-2634	44666
	BAL	64	2-1/2	R32-64BFRTB-2331	44780

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

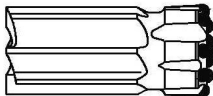
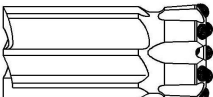
* Note: Some button bits may not be offered with a particular carbide design shown above.

THREADED BITS



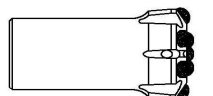
R 32 1-1/4" ROPE THREAD

(CONTINUED)

FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	R32-76BFRT-2635	44732
	BAL	76	3	R32-76BFRTB-2339	44873
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	R32-64BRTDC-2636	44874
	BAL	64	2-1/2	R32-64BRTDCB-2637	44875

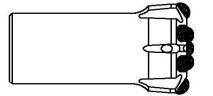
XR32 1-1/4" ROPE THREAD

(ROCKMORE XR32 THREAD SYSTEM)

B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	45	1-3/4	XR32-45B3-2518 *	44269
	BAL	45	1-3/4	XR32-45B3B-2448 *	44270

* = LARGER GAUGE CARBIDE

R 35 1-3/8" ROPE THREAD

B3 DESIGN	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	48	1-7/8	R35-48B3-1574	44833
	BAL	48	1-7/8	R35-48B3B-1662	44911
	HEM	51	2	R35-51B3-1576	44834
	BAL	51	2	R35-51B3B-1671	44913

CARBIDE DESIGN SELECTION

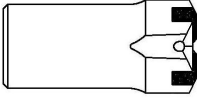
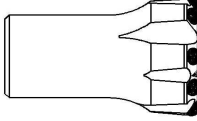
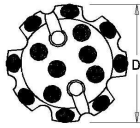
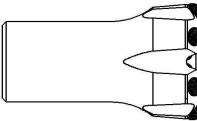
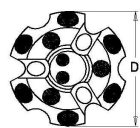
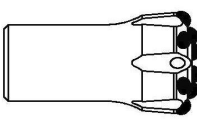
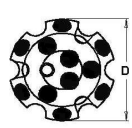
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide
 * Note: Some button bits may not be offered with a particular carbide design shown above.

THREADED BITS



R 38 1-1/2" ROPE THREAD

X MULTI - USE		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		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 	CARBIDE DESIGN				
	HEM	64	2-1/2	R38-64BF-747	44687
	BAL	64	2-1/2	R38-64BFB-1552	44876
FLAT FACE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 	CARBIDE DESIGN				
	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		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 	CARBIDE DESIGN				
	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
SEMI DOME		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 	CARBIDE DESIGN				
	HEM	64	2-1/2	R38-64BSD-1344	44500
	BAL	64	2-1/2	R38-64BSDB-1559	44670
	HEM	70	2-3/4	R38-70BSD-286	44514
	BAL	70	2-3/4	R38-70BSDB-032	44515
	HEM	76	3	R38-76BSD-1561	44912
	BAL	76	3	R38-76BSDB-779	44839
	HEM	89	3-1/2	R38-89BSD-746	44509
	BAL	89	3-1/2	R38-89BSDB-1560	44882

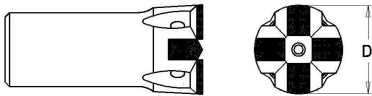
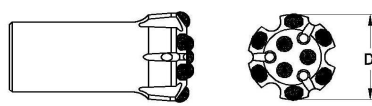
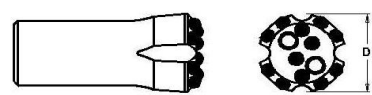
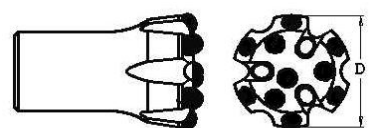
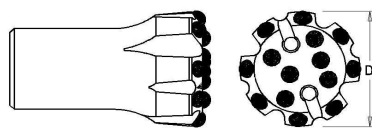
CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

THREADED BITS



T 38 1-1/2"

CROSS MULTI - USE		DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
		64	2-1/2	T38-64M-149	49637	
		70	2-3/4	T38-70MHD-151	49639	
		76	3	T38-76MHD-153	49641	
X MULTI - USE		DIAMETER (D)		PART NUMBER		
		mm	In.	USA	AUSTRIA	
		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  * = LARGER GAUGE CARBIDE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		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
		HEM	64	2-1/2	T38-64BF-020	44711
		BAL	64	2-1/2	T38-64BFB-280	44710
FLAT FACE 		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		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
		HEM	76	3	T38-76BF-027	44681
		BAL	76	3	T38-76BFB-846	44680
		HEM	89	3-1/2	T38-89BF-1292	44510
		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	

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



Ballistic

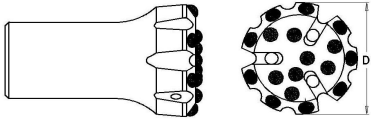
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

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

THREADED BITS



T 38 1-1/2" (CONTINUED)

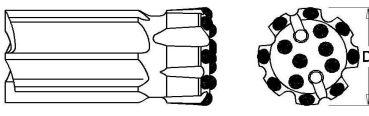
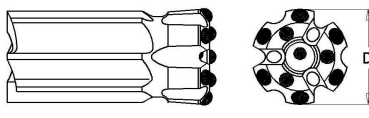
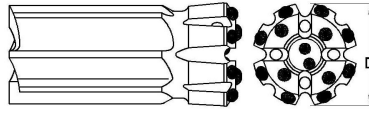
FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	T38-89BF-1484	44860
	BAL	89	3-1/2	T38-89BFB-1566	44888
	HEM	102	4	T38-102BF-1567	44889
	BAL	102	4	T38-102BFB-1568	44890
	HEM	115	4-1/2	T38-115BF-1569	44891
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
	BAL	76	3	T38-76BDCB-1462	44859
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
SEMI DOME	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	64	2-1/2	T38-64BSD-1076	44502
	BAL	64	2-1/2	T38-64BSDB-1343	44668
	HEM	70	2-3/4	T38-70BSD-284	44585
	BAL	70	2-3/4	T38-70BSDB-285	44586
	HEM	76	3	T38-76BSD-703	44587
	BAL	76	3	T38-76BSDB-293	44588
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
	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

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					



T 38 1-1/2" (CONTINUED)

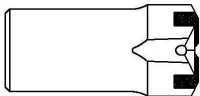
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	T38-76BFRT-2187	44685
	BAL	76	3	T38-76BFRTB-1925	44655
	HEM	89	3-1/2	T38-89BFRT-2114	41129
	BAL	89	3-1/2	T38-89BFRTB-2121	44892
	HEM	102	4	T38-102BFRT-2244	44893
	BAL	102	4	T38-102BFRTB-2638	44894
DROP CENTER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

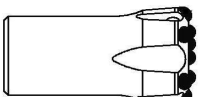
CARBIDE DESIGN SELECTION

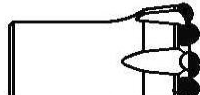
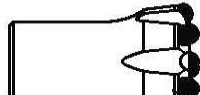
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

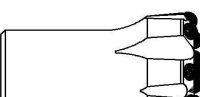


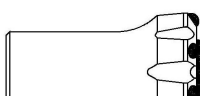
T 45 1-3/4"

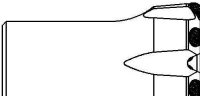
X MULTI - USE		DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
		76	3	T45-76XHD-312	49634
		89	3-1/2	T45-89XHD-353	49635
		102	4	T45-102XHD-305	49642

FLAT FACE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
			HEM	70	2-3/4	T45-70BF-037
		BAL	70	2-3/4	T45-70BFB-1443	44569

FLAT FACE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
			HEM	76	3	T45-76BF-2395
		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		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
			HEM	76	3	T45-76BF-040
		BAL	76	3	T45-76BFB-274	44774
		BAL	82	3-1/4	T45-82BFB-2124	44388
		HEM	85	3-3/8	T45-85BF-1888	44702
		BAL	85	3-3/8	T45-85BFB-2125	44387
		HEM	89	3-1/2	T45-89BF-1157	44553
		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

FLAT FACE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
			HEM	89	3-1/2	T45-89BF-1459
		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

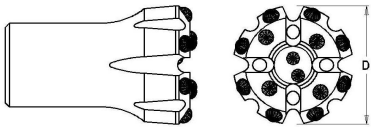
DROP CENTER		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
			HEM	70	2-3/4	T45-70BDC-932
		BAL	70	2-3/4	T45-70BDCB-175	44592
		HEM	76	3	T45-76BDC-042	44744
		BAL	76	3	T45-76BDCB-1463	44781
		HEM	89	3-1/2	T45-89BDC-048	44593
		BAL	89	3-1/2	T45-89BDCB-1465	44594

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					



T 45 1-3/4" (CONTINUED)

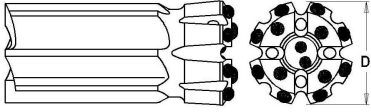
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	T45-76BDC-1148	44863
	BAL	76	3	T45-76BDCB-1316	44864
	HEM	89	3-1/2	T45-89BDC-1142	44818
	BAL	89	3-1/2	T45-89BDCB-1318	44819
	HEM	102	4	T45-102BDC-1131	44820
	BAL	102	4	T45-102BDCB-1451	44865
	HEM	115	4-1/2	T45-115BDC-329	44866
SEMI DOME	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
	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
	HEM	76	3	T45-76BFRT-1923	44684
	BAL	76	3	T45-76BFRTB-1924	44692
	BAL	82	3-1/4	T45-82BFRTB-2246	44384
	HEM	89	3-1/2	T45-89BFRT-2097	44622
	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
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					



T 45 1-3/4" (CONTINUED)

DROP CENTER RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	76	3	T45-76BRTDC-1926	44814
	BAL	76	3	T45-76BRTDCB-862	44822
	HEM	89	3-1/2	T45-89BRTDC-1927	44801
	BAL	89	3-1/2	T45-89BRTDCB-861	44745
	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

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



Ballistic

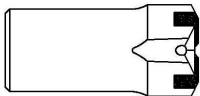
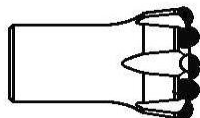
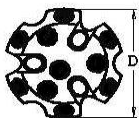
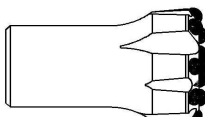
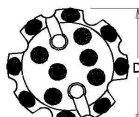
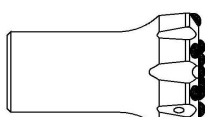
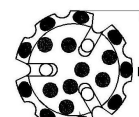
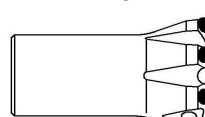
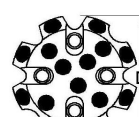
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

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

THREADED BITS



T 51 2"

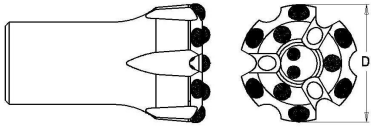
X MULTI - USE		DIAMETER (D)		PART NUMBER			
		mm	In.	USA	AUSTRIA		
		89	3-1/2	T51-89XHD-911	49636		
 		102	4	T51-102XHD-182	49693		
		115	4-1/2	T51-115XHD-157	49694		
FLAT FACE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
			mm	In.	USA	AUSTRIA	
		 	HEM	89	3-1/2	T51-89BF-1951	44405
BAL	89		3-1/2	T51-89BFB-1952	44406		
FLAT FACE		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
			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		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
			mm	In.	USA	AUSTRIA	
		 	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			
FLAT FACE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
			mm	In.	USA	AUSTRIA	
		 	HEM	102	4	T51-102BF-1836	44467
			BAL	102	4	T51-102BFB-1837	44468
			HEM	115	4-1/2	T51-115BF-1740	44970
BAL	115		4-1/2	T51-115BFB-1838	44469		
HEM	127	5	T51-127BF-1839	44470			

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					



T 51 2" (CONTINUED)

DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	T51-89BDC-1329	44760
	BAL	89	3-1/2	T51-89BDCB-1308	44759
	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
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	T51-89BFRT-2652	44407
	BAL	89	3-1/2	T51-89BFRTB-2653	44408
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	82	3-1/4	T51-82BFRTB-2136	44386
	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	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
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
	HEM	115	4-1/2	T51-115BFRT-2284	44964
	HEM	127	5	T51-127BFRT-2659	44965

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CON = Conical Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

THREADED BITS



T 51 2" (CONTINUED)

FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	T51-102BFRT-2531	44471
	BAL	102	4	T51-102BFRTB-969	44472
	HEM	115	4-1/2	T51-115BFRT-2660	44473
	HEM	127	5	T51-127BFRT-2661	44474
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	T51-89BRTDC-2238	44975
	BAL	89	3-1/2	T51-89BRTDCB-916	44976
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	T51-89BRTDC-2330	44761
	BAL	89	3-1/2	T51-89BRTDCB-909	44746
	CON	89	3-1/2	T51-89BRTDCC-2511	44336
	HEM	102	4	T51-102BRTDC-2662	44747
	BAL	102	4	T51-102BRTDCB-210	44748
	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

T 51 2" Xtreme Series (for extreme hard and abrasive rock conditions - with FA carbide)

	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
	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

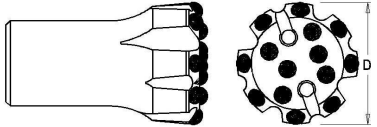
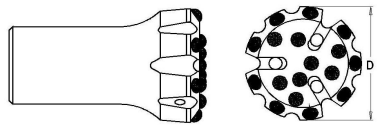
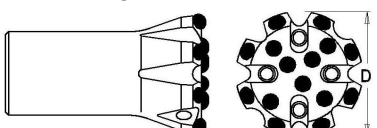
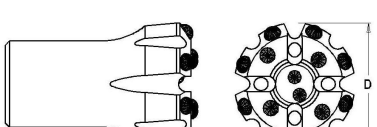
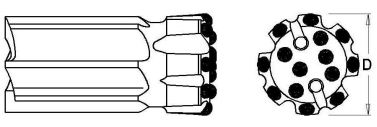
CARBIDE DESIGN SELECTION

Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CON = Conical Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

THREADED BITS



ST 58 2-1/4"

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	ST58-89BF-1706	44939
	BAL	89	3-1/2	ST58-89BFB-1707	44940
	HEM	102	4	ST58-102BF-1714	44941
	BAL	102	4	ST58-102BFB-1715	44942
	HEM	115	4-1/2	ST58-115BF-1716	44943
	BAL	115	4-1/2	ST58-115BFB-1717	44944
	HEM	127	5	ST58-127BF-1718	44945
	HEM	140	5-1/2	ST58-140BF-1769	44992
FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	ST58-89BF-1708	44946
	BAL	89	3-1/2	ST58-89BFB-1709	44947
	HEM	102	4	ST58-102BF-1720	44948
	BAL	102	4	ST58-102BFB-1721	44949
	HEM	115	4-1/2	ST58-115BF-1675	44950
	HEM	127	5	ST58-127BF-1722	44951
FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	ST58-102BF-1840	44460
	BAL	102	4	ST58-102BFB-1841	44461
	HEM	115	4-1/2	ST58-115BF-1814	44480
	BAL	115	4-1/2	ST58-115BFB-1842	44462
	HEM	127	5	ST58-127BF-1843	44463
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	ST58-89BDC-1710	44952
	BAL	89	3-1/2	ST58-89BDCB-1711	44953
	HEM	102	4	ST58-102BDC-1719	44954
	BAL	102	4	ST58-102BDCB-476	44955
	HEM	115	4-1/2	ST58-115BDC-1073	44956
	BAL	115	4-1/2	ST58-115BDCB-477	44957
	HEM	127	5	ST58-127BDC-1726	44958
	BAL	127	5	ST58-127BDCB-478	44959
	HEM	140	5-1/2	ST58-140BDC-1770	44993
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	ST58-89BFRT-1712	44927
	BAL	89	3-1/2	ST58-89BFRTB-360	44777
	BAL	93	3-3/4	ST58-93BFRTB-014	44917
	HEM	102	4	ST58-102BFRT-370	44925
	BAL	102	4	ST58-102BFRTB-466	44922
	HEM	115	4-1/2	ST58-115BFRT-346	44966
	HEM	127	5	ST58-127BFRT-435	44928
	HEM	140	5-1/2	ST58-140BFRT-428	44985

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



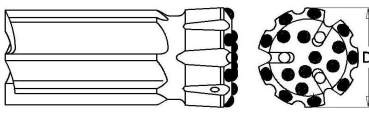
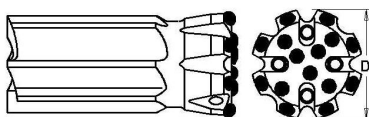
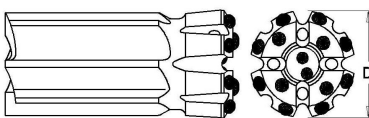
Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

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



ST 58 2-1/4" (CONTINUED)

FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	ST58-89BFRT-1713	44929
	BAL	89	3-1/2	ST58-89BFRTB-365	44930
	BAL	93	3-3/4	ST58-93BFRTB-1489	44921
	HEM	102	4	ST58-102BFRT-381	44931
	BAL	102	4	ST58-102BFRTB-424	44932
	HEM	115	4-1/2	ST58-115BFRT-430	44926
	HEM	127	5	ST58-127BFRT-470	44933
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	ST58-102BFRT-696	44464
	BAL	102	4	ST58-102BFRTB-78	44465
	HEM	115	4-1/2	ST58-115BFRT-646	44492
	HEM	127	5	ST58-127BFRT-698	44466
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	89	3-1/2	ST58-89BRTDC-367	44934
	BAL	89	3-1/2	ST58-89BRTDCB-368	44935
	BAL	93	3-3/4	ST58-93BRTDCB-304	44916
	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
	HEM	140	5-1/2	ST58-140BRTDC-531	44987

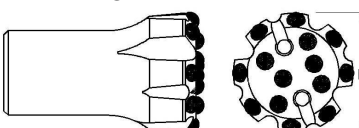
CARBIDE DESIGN SELECTION

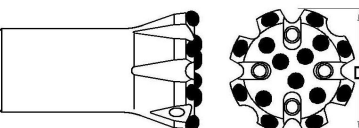
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

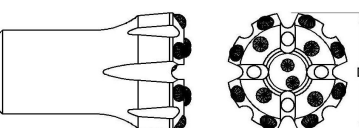
THREADED BITS

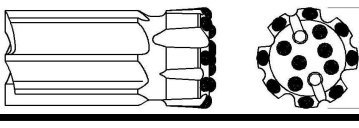


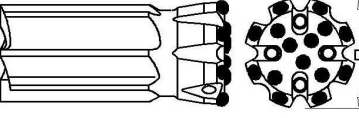
T 60 2-1/4" (ROCKMORE T60)

FLAT FACE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	93	3-11/16	T60-93BF-2699	44305
		BAL	93	3-11/16	T60-93BFB-2700	44304
		HEM	95	3-3/4	T60-95BF-2701	44303
		BAL	95	3-3/4	T60-95BFB-2702	44302

FLAT FACE		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER		
			mm	In.	USA	AUSTRIA	
		HEM	102	4	T60-102BF-2146	44410	
		BAL	102	4	T60-102BFB-2147	44411	
		HEM	115	4-1/2	T60-115BF-2148	44412	
		BAL	115	4-1/2	T60-115BFB-2149	44413	
		HEM	127	5	T60-127BF-2098	44414	

DROP CENTER		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	89	3-1/2	T60-89BDC-2150	44420
		BAL	89	3-1/2	T60-89BDCB-2151	44421
		HEM	93	3-11/16	T60-93BDC-2089	44301
		BAL	93	3-11/16	T60-93BDCB-2696	44300
		HEM	95	3-3/4	T60-95BDC-2697	44299
		BAL	95	3-3/4	T60-95BDCB-2698	44298
		HEM	102	4	T60-102BDC-2090	44422
		BAL	102	4	T60-102BDCB-2152	44423
		HEM	115	4-1/2	T60-115BDC-2091	44424
		BAL	115	4-1/2	T60-115BDCB-2153	44425
		HEM	127	5	T60-127BDC-1803	44426
		BAL	127	5	T60-127BDCB-2154	44427
		HEM	140	5-1/2	T60-140BDC-2155	44428

FLAT FACE - RETRAC		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	93	3-11/16	T60-93BFRT-2703	44297
		BAL	93	3-11/16	T60-93BFRTB-2704	44296
		HEM	95	3-3/4	T60-95BFRT-2267	44295
		BAL	95	3-3/4	T60-95BFRTB-2706	44294

FLAT FACE - RETRAC		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	102	4	T60-102BFRT-2156	44415
		BAL	102	4	T60-102BFRTB-388	44416
		HEM	115	4-1/2	T60-115BFRT-2157	44417
		HEM	127	5	T60-127BFRT-2158	44418

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical

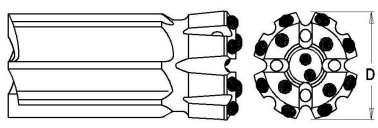


Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

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



T 60 2-1/4" (ROCKMORE T60)		(CONTINUED)				
DROP CENTER - RETRAC 		CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
			mm	In.	USA	AUSTRIA
		HEM	89	3-1/2	T60-89BRTDC-2159	44430
		BAL	89	3-1/2	T60-89BRTDCB-402	44431
		HEM	93	3-11/16	T60-93BRTDC-2237	44293
		BAL	93	3-11/16	T60-93BRTDCB-437	44429
		HEM	95	3-3/4	T60-95BRTDC-2268	44292
		BAL	95	3-3/4	T60-95BRTDCB-2707	44291
		HEM	102	4	T60-102BRTDC-457	44432
		BAL	102	4	T60-102BRTDCB-17	44433
HEM	115	4-1/2	T60-115BRTDC-245	44434		
HEM	127	5	T60-127BRTDC-525	44435		
HEM	140	5-1/2	T60-140BRTDC-870	44436		

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



Ballistic

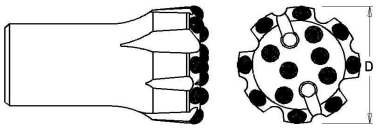
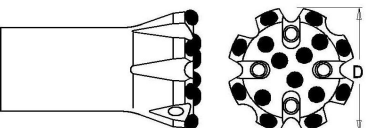
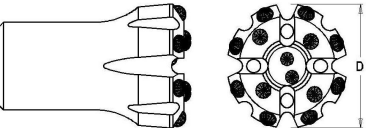
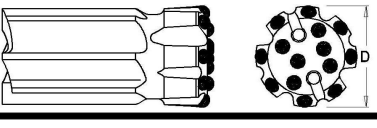
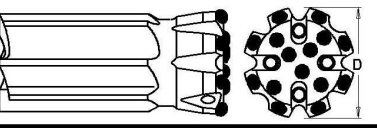
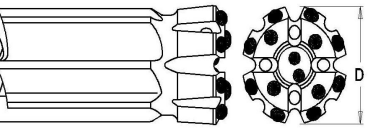
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

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

THREADED BITS



GT 60 2-1/4"

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	93	3-11/16	GT60-93F-2708	44290
	BAL	93	3-11/16	GT60-93FB-2709	44289
	HEM	95	3-3/4	GT60-95F-2710	44288
	BAL	95	3-3/4	GT60-95FB-2711	44287
FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	GT60-102BF-2160	44359
	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
DROP CENTER	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	93	3-11/16	GT60-93DC-2085	44286
	BAL	93	3-11/16	GT60-93DCB-2712	44285
	HEM	95	3-3/4	GT60-95DC-2713	44284
	BAL	95	3-3/4	GT60-95DCB-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-949	44369
	HEM	140	5-1/2	GT60-140BDC-2000	44370
FLAT FACE - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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 - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	102	4	GT60-102BFRT-706	44371
	BAL	102	4	GT60-102BFRTB-19	44372
	HEM	115	4-1/2	GT60-115BFRT-721	44373
	HEM	127	5	GT60-127BFRT-763	44374
DROP CENTER - RETRAC	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	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
	HEM	102	4	GT60-102BRTDC-647	44375
	BAL	102	4	GT60-102BRTDCB-749	44376
	HEM	115	4-1/2	GT60-115BRTDC-759	44377
	HEM	127	5	GT60-127BRTDC-765	44378
	HEM	140	5-1/2	GT60-140BRTDC-18	44379

CARBIDE DESIGN SELECTION

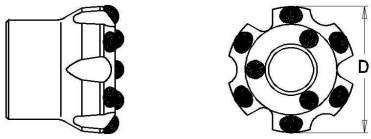
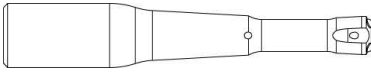
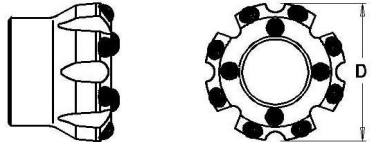
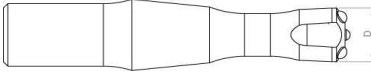
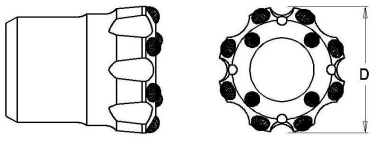
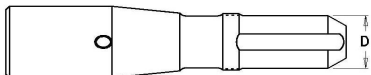
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

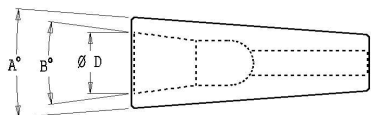
* Note: Some button bits may not be offered with a particular carbide design shown above.



REAMING BITS & PILOT ADAPTERS

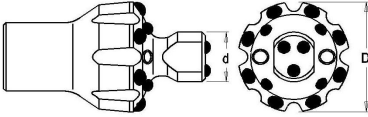
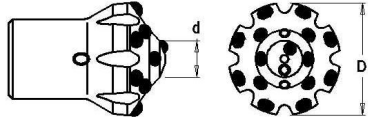
	ANGLE	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	6°	64	2-1/2	RBB-64-6-487	43030
	6°	76	3	RBB-76-6-774	43031
	6°	89	3-1/2	RBB-89-6-489	43014
	ANGLE	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	6°	26	1	PAR25-26B-2612	43070
	6°	26	1	PAR28-26B-2749	43071
	6°	26	1	PAR32-26B-2408	43072
	ANGLE	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	12°	89	3-1/2	RBB-89-12-095	43011
	12°	102	4	RBB-102-12-096	43012
	12°	127	5	RBB-127-12-097	43013
	ANGLE	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	12°	41	1-5/8	PAR32-41B-2099	43073
	12°	41	1-5/8	PAT38-41B-2759	43074
	THREAD	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	T12	102	4	RBB-102-T12-490	43000
	T12	115	4-1/2	RBB-115-T12-491	43002
	T12	127	5	RBB-127-T12-492	43001
	THREAD	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	T12	47	1-7/8	PAR32-47-T12-498	43075
	T12	47	1-7/8	PAT38-47-T12-732	43078
	T12	47	1-7/8	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



HOLE OPENERS

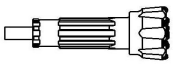
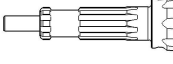
STANDARD TYPE	THD	DIAMETER (D)		DIAMETER (d)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	102	4	51	2	T38-51-102HO-889	43043
	T38	127	5	67	2-5/8	T38-67-127HO-278	43044
	T45	127	5	73	2-7/8	T45-73-127HO-279	43045
	T38	152	6	102	4	T38-102-152HO-896	43046
	ST58	152	6	89	3-1/2	ST58-89-152HO-303	43047
	R38	178	7	76	3	R38-76-178HO-1346	43048
	T38	203	8	152	6	T38-152-203HO-119	43049
CONE TYPE	THD	DIAMETER (D)		DIAMETER (d)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	76	3	29	1-1/8	R32-29-76CO-1267	43040
	R32	89	3-1/2	29	1-1/8	R32-29-89CO-1277	43041
	R32	102	4	29	1-1/8	R32-29-102CO-192	43042
	R32	115	4-1/2	29	1-1/8	R32-29-115CO-247	43050
	R32	127	5	29	1-1/8	R32-29-127CO-270	43051

NOTE: ADDITIONAL THREADS AND SIZES AVAILABLE UPON REQUEST.

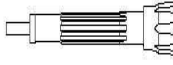
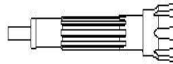
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: IR 3.5

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	105	4-1/8	IR35-105FF-2590	45196
CONVEX  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	92	3-5/8	IR35-92CV-2722	45070
	BAL	92	3-5/8	IR35-92CVB-2596	45137
	FB	92	3-5/8	IR35-92CVB-2833	45278
	HEM	95	3-3/4	IR35-95CV-2723	45291
	BAL	95	3-3/4	IR35-95CVB-2602	45290
	HEM	100	3-15/16	IR35-100CV-2724	45263
	BAL	100	3-15/16	IR35-100CVB-2603	45169
	HEM	105	4-1/8	IR35-105CV-2725	45293
	BAL	105	4-1/8	IR35-105CVB-2726	45292

SHANK: IR 3.5HD

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	105	4-1/8	IR35HD-105FF-2832	45335
CONVEX  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	95	3-3/4	IR35HD-95CV-2827	45331
	FB	95	3-3/4	IR35HD-95CVB-2828	45330
	HEM	100	3-15/16	IR35HD-100CV-2829	45333
	FB	100	3-15/16	IR35HD-100CVB-2830	45332
	FB	105	4-1/8	IR35HD-105CVB-2831	45334

CARBIDE DESIGN SELECTION

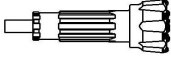
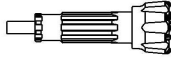
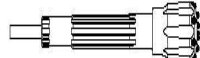
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

DOWN-THE-HOLE (DTH) BITS

INGERSOLL-RAND



SHANK: 340A

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	HEM	105	4-1/8	340A-105FF-1599	45032
	HEM	108	4-1/4	340A-108FF-1045	45176
	HEM	110	4-5/16	340A-110FF-1600	45069
	HEM	115	4-1/2	340A-115FF-914	45066
	HEM	121	4-3/4	340A-121FF-2198	45341
	HEM	127	5	340A-127FF-1601	45165
	HEM	130	5-1/8	340A-130FF-1602	45195
	HEM	140	5-1/2	340A-140FF-735	45033
CONCAVE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	HEM	105	4-1/8	340A-105CC-1603	45034
	HEM	108	4-1/4	340A-108CC-2092	45191
	HEM	110	4-5/16	340A-110CC-1604	45035
	HEM	115	4-1/2	340A-115CC-917	45212
	HEM / FB	115	4-1/2	340A-115CC-2834	45425
	HEM	121	4-3/4	340A-121CC-1439	45192
	HEM	127	5	340A-127CC-1605	45213
	HEM / FB	127	5	340A-127CC-2836	45424
	BAL	127	5	340A-127CCB-2109	45422
	HEM	130	5-1/8	340A-130CC-1606	45193
	HEM / FB	130	5-1/8	340A-130CC-2838	45437
	HEM	140	5-1/2	340A-140CC-1607	45214
CONVEX	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	FB, 8G	110	4-5/16	340A-110CVB-2760	45443
	FB, 7G	115	4-1/2	340A-115CVB-2835	45431
	BAL, 9G	127	5	340A-127CVB-2756	45074
	FB, 9G	140	5-1/2	340A-140CVB-2839	45152
	FB, 8G	145	5-3/4	340A-145CVB-2840	45328

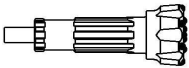
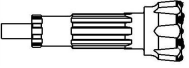
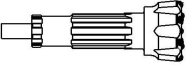
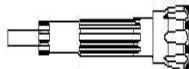
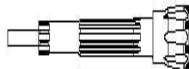
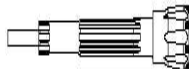
CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide * HEM / FB = Hemispherical Carbide on Gauge and Full Ballistic Carbide on Front * Note: Some button bits may not be offered with a particular carbide design shown above.					

DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: 350R

FLAT FACE  8 SPLINE 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	127	5	350R-127FF-857	45215
 8 SPLINE 	HEM	130	5-1/8	350R-130FF-1608	45166
	HEM	140	5-1/2	350R-140FF-106	45086
	HEM	146	5-3/4	350R-146FF-883	45216
	HEM	149	5-7/8	350R-149FF-2201	45184
	HEM	152	6	350R-152FF-2202	45344
	HEM	152	6	350R-152FF-2202	45344
CONCAVE  8 SPLINE 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	127	5	350R-127CC-1609	45217
 8 SPLINE 	HEM	130	5-1/8	350R-130CC-1610	45218
	HEM	140	5-1/2	350R-140CC-107	45219
	HEM	146	5-3/4	350R-146CC-851	45220
	HEM	149	5-7/8	350R-149CC-2203	45345
	BAL	150	5-7/8	350R-150CCB-2750	45442
	HEM	152	6	350R-152CC-737	45346
CONVEX  8 SPLINE 	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	FB	140	5-1/2	350R-140CVB-2843	45403
 8 SPLINE 	FB	146	5-3/4	350R-146CVB-2844	45394
	FB	146	5-3/4	350R-146CVB-2844	45394

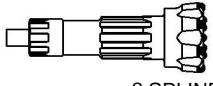
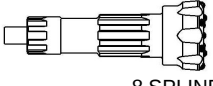
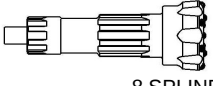
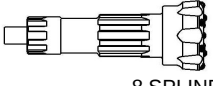
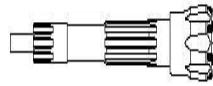
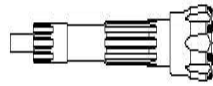
CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

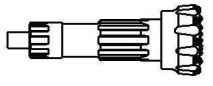
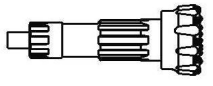
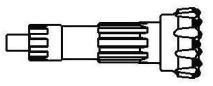
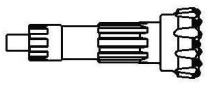
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND



SHANK: 360, SF6 (8 carbide inserts on outside gauge row)

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	HEM, 8G	152	6	360-152FF-1173	41297
	HEM, 8G	156	6-1/8	360-156FF-794	41206
	HEM, 8G	159	6-1/4	360-159FF-117	41208
	HEM, 8G	165	6-1/2	360-165FF-1098	41209
CONCAVE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	HEM, 8G	152	6	360-152CC-2318	41290
	HEM, 8G	156	6-1/8	360-156CC-903	41210
	HEM, 8G	159	6-1/4	360-159CC-118	41286
	HEM, 8G	165	6-1/2	360-165CC-238	41291
	HEM, 8G	172	6-3/4	360-172CC-1356	45436
CONVEX  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	HEM, 8G	165	6-1/2	360-165CV-190	45471
	HEM, 8G	172	6-3/4	360-172CV-200	45472

SHANK: 360, SF6 (10 carbide inserts on outside gauge row)

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	HEM, 10G	165	6-1/2	360-165FF-219	41296
	HEM, 10G	172	6-3/4	360-172FF-1611	41213
	HEM, 10G	180	7	360-180FF-1798	45277
	HEM, 10G	190	7-1/2	360-190FF-2205	45348
	HEM, 10G	200	7-7/8	360-200FF-2206	45350
	HEM, 10G	203	8	360-203FF-843	41214
CONCAVE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 8 SPLINE	HEM, 10G	165	6-1/2	360-165CC-1612	41257
	HEM, 10G	172	6-3/4	360-172CC-1397	41258
	HEM, 10G	190	7-1/2	360-190CC-2102	45349
	HEM, 10G	200	7-7/8	360-200CC-226	45351
	HEM, 10G	203	8	360-203CC-225	41259

CARBIDE DESIGN SELECTION

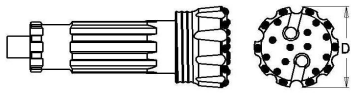
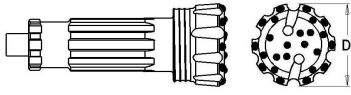
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

DOWN-THE-HOLE (DTH) BITS

INGERSOLL-RAND



SHANK: 380

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 10 SPLINE	HEM	203	8	380-203FF-1067	45221
	HEM	207	8-1/8	380-207FF-2211	45362
	HEM	216	8-1/2	380-216FF-1053	45222
	HEM	225	8-7/8	380-225FF-2213	45364
	HEM	229	9	380-229FF-2215	45366
	HEM, 12G	251	9-7/8	380-251FF-2217	45368
	HEM, 12G	254	10	380-254FF-1613	45223
CONCAVE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 10 SPLINE	HEM	190	7-1/2	380-190CC-2623	45432
	HEM	194	7-5/8	380-194CC-2600	45464
	HEM	203	8	380-203CC-232	45224
	HEM	207	8-1/8	380-207CC-1861	45363
	HEM	216	8-1/2	380-216CC-1147	45225
	HEM	225	8-7/8	380-225CC-2228	45365
	HEM	229	9	380-229CC-2230	45367
	HEM, 12G	251	9-7/8	380-251CC-2051	45369
	HEM, 12G	254	10	380-254CC-233	45226

CARBIDE DESIGN SELECTION

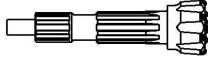
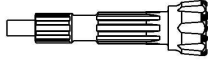
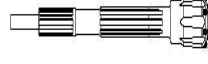
					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

DOWN-THE-HOLE (DTH) BITS

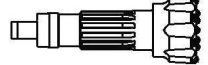
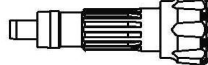
INGERSOLL-RAND - QL SERIES



SHANK: QL4/QL40

FLAT FACE  10 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	105	4-1/8	QL4-105FF-1614	45227
	HEM	110	4-5/16	QL4-110FF-1615	45055
	HEM	115	4-1/2	QL4-115FF-1050	45136
	HEM	127	5	QL4-127FF-1616	45229
	HEM	140	5-1/2	QL4-140FF-1617	45058
CONCAVE  10 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	105	4-1/8	QL4-105CC-1618	45230
	HEM	110	4-5/16	QL4-110CC-1619	45231
	HEM	115	4-1/2	QL4-115CC-1620	45232
	HEM	127	5	QL4-127CC-1621	45233
	HEM	140	5-1/2	QL4-140CC-1622	45234
CONVEX  10 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	FB	127	5	QL4-127CVB-2842	45057

SHANK: QL5/QL50

FLAT FACE  12 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	127	5	QL5-127FF-2065	45310
	HEM	130	5-1/8	QL5-130FF-2066	45312
	HEM	140	5-1/2	QL5-140FF-2067	45314
	HEM	146	5-3/4	QL5-146FF-2068	45316
	HEM	152	6	QL5-152FF-2220	45378
CONCAVE  12 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	127	5	QL5-127CC-2069	45311
	HEM	130	5-1/8	QL5-130CC-2070	45313
	HEM	140	5-1/2	QL5-140CC-2071	45315
	HEM	146	5-3/4	QL5-146CC-2072	45317
	HEM	152	6	QL5-152CC-2236	45379

CARBIDE DESIGN SELECTION

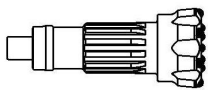
					
Hemispherical	FA	(Semi) Ballistic	Multi-Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

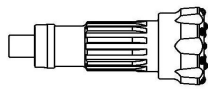
DOWN-THE-HOLE (DTH) BITS

INGERSOLL-RAND - QL SERIES

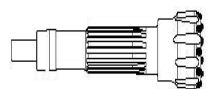


SHANK: QL6/QL60 (8 carbide inserts on outside gauge row)

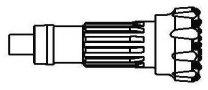
FLAT FACE  12 SPLINE * = LARGER CARBIDE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 8G	152	6	QL6-152FF-1623	45235
	HEM, 8G	155	6.1	QL6-155FF-2118	45380
	HEM, 8G	156	6-1/8	QL6-156FF-1938	45382
	HEM, 8G	159	6-1/4	QL6-159FF-2219	45384
	HEM, 8G	165	6-1/2	QL6-165FF-1180	45236
	HEM, 8G	165	6-1/2	QL6-165FF-1049 *	45473
	HEM, 8G	172	6-3/4	QL6-172FF-1350	45237
	HEM, 8G	172	6-3/4	QL6-172FF-2815 *	45474

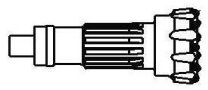
CONCAVE  12 SPLINE * = LARGER CARBIDE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 8G	152	6	QL6-152CC-2233	45238
	HEM, 8G	155	6.1	QL6-155CC-2117	45381
	HEM, 8G	156	6-1/8	QL6-156CC-1920	45383
	HEM, 8G	159	6-1/4	QL6-159CC-1955	45385
	HEM, 8G	165	6-1/2	QL6-165CC-1102	45239
	HEM, 8G	165	6-1/2	QL6-165CC-2391 *	45475
	HEM, 8G	172	6-3/4	QL6-172CC-1278	45240

SHANK: QL6/QL60 (9 carbide inserts on outside gauge row)

CONCAVE  12 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 9G	152	6	QL6-152CC-2578	45445
	HEM, 9G	155	6.1	QL6-155CC-2580	45446
	HEM, 9G	156	6-1/8	QL6-156CC-2694	45447
	HEM, 9G	159	6-1/4	QL6-159CC-2695	45448
	HEM, 9G	165	6-1/2	QL6-165CC-2670	45449
	HEM, 9G	172	6-3/4	QL6-172CC-2599	45450

SHANK: QL6/QL60 (10 carbide inserts on outside gauge row)

FLAT FACE  12 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 10G	165	6-1/2	QL6-165FF-1624	45241
	HEM, 10G	172	6-3/4	QL6-172FF-1625	45242
	HEM, 10G	190	7-1/2	QL6-190FF-2221	45386
	HEM, 10G	200	7-7/8	QL6-200FF-2222	45388
	HEM, 10G	203	8	QL6-203FF-2356	45421

CONCAVE  12 SPLINE * = LARGER CARBIDE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 10G	165	6-1/2	QL6-165CC-1626	45243
	HEM, 10G	165	6-1/2	QL6-165CC-2367 *	45476
	HEM, 10G	172	6-3/4	QL6-172CC-1410	45244
	HEM, 10G	172	6-3/4	QL6-172CC-2247 *	45477
	HEM, 10G	180	7	QL6-180CC-2437	45470
	HEM, 10G	190	7-1/2	QL6-190CC-2223	45387
	HEM, 10G	200	7-7/8	QL6-200CC-2224	45389

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic

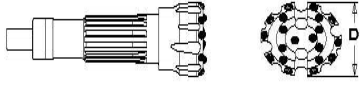
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

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

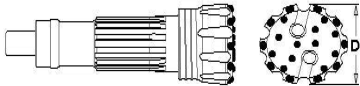
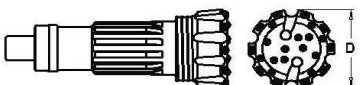
DOWN-THE-HOLE (DTH) BITS INGERSOLL-RAND - QL SERIES



SHANK: QL6/QL60 (10 carbide inserts on outside gauge row) (CONTINUED)

CONCAVE - CONVEX	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 10G	152	6	QL6-152CCV-2425	45451
 12 SPLINE * = LARGER CARBIDE	HEM, 10G	155	6.1	QL6-155CCV-2250	45452
	HEM, 10G	156	6-1/8	QL6-156CCV-2692	45453
	HEM, 10G	159	6-1/4	QL6-159CCV-2693	45454
	HEM, 10G	165	6-1/2	QL6-165CCV-2449	45455
	HEM, 10G	172	6-3/4	QL6-172CCV-2450	45456
	HEM, 10G	172	6-3/4	QL6-172CCV-1959 *	45478
	HEM, 10G	172	6-3/4	QL6-172CCV-2589 *	45479

SHANK: QL8/QL80

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 12 SPLINE	HEM	203	8	QL8-203FF-2073	45318
	HEM	216	8-1/2	QL8-216FF-2074	45320
	HEM	254	10	QL8-254FF-2075	45322
CONCAVE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
 12 SPLINE	HEM	203	8	QL8-203CC-2076	45319
	HEM	207	8-1/8	QL8-207CC-2227	45390
	HEM	216	8-1/2	QL8-216CC-2077	45321
	HEM	225	8-7/8	QL8-225CC-2229	45391
	HEM	229	9	QL8-229CC-2231	45392
	HEM	254	10	QL8-254CC-2078	45323

CARBIDE DESIGN SELECTION

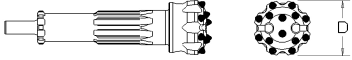
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide * Note: Some button bits may not be offered with a particular carbide design shown above.					

DOWN-THE-HOLE (DTH) BITS

SANDVIK - MISSION



SHANK: 3015

CONVEX	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	92	3-5/8	3015-92CV-2593	45282
	BAL	92	3-5/8	3015-92CVB-2547	45281
	FB	93	3-5/8	3015-93CVB-2824	45301
	HEM	95	3-3/4	3015-95CV-2368	45284
	BAL	95	3-3/4	3015-95CVB-2594	45283
	FB	95	3-3/4	3015-95CVB-2826	45276

SHANK: 3415, SD4

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	105	4-1/8	3415-105FF-1627	41221
	HEM	110	4-5/16	3415-110FF-1628	41222
	HEM	115	4-1/2	3415-115FF-1176	41220
	HEM	121	4-3/4	3415-121FF-2199	41280
	HEM	124	4-7/8	3415-124FF-2200	45342
	HEM	127	5	3415-127FF-1629	41200
CONCAVE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	105	4-1/8	3415-105CC-1630	41201
	HEM	110	4-5/16	3415-110CC-1631	41202
	HEM	115	4-1/2	3415-115CC-1080	41204
	HEM	121	4-3/4	3415-121CC-2178	41281
	HEM	124	4-7/8	3415-124CC-742	41343
	HEM	127	5	3415-127CC-1632	41205

SHANK: 4315, SD5

FLAT FACE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	127	5	4315-127FF-831	45004
	HEM	130	5-1/8	4315-130FF-1633	45123
	HEM	140	5-1/2	4315-140FF-108	45124
	HEM	146	5-3/4	4315-146FF-1634	45005
	HEM	152	6	4315-152FF-2204	45347
CONCAVE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	127	5	4315-127CC-1635	45006
	HEM	130	5-1/8	4315-130CC-1636	45007
	HEM	140	5-1/2	4315-140CC-109	45008
	HEM	146	5-3/4	4315-146CC-853	45009
	HEM	152	6	4315-152CC-736	41255

CARBIDE DESIGN SELECTION



Hemispherical



FA



(Semi) Ballistic



Multi - Dome



Conical



Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide

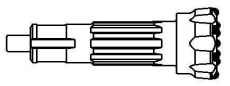
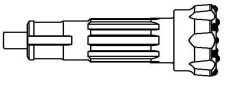
* Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

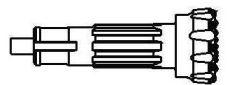
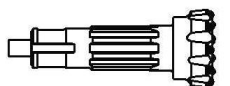
SANDVIK - MISSION



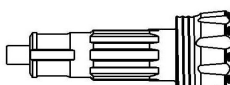
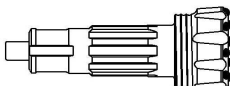
SHANK: 5315, SD6 (8 carbide inserts on outside gauge row)

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 8G	152	6	5315-152FF-1175	45003
	HEM, 8G	156	6-1/8	5315-156FF-673	45010
	HEM, 8G	159	6-1/4	5315-159FF-112	45011
	HEM, 8G	165	6-1/2	5315-165FF-1100	45037
CONCAVE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 8G	152	6	5315-152CC-111	45012
	HEM, 8G	156	6-1/8	5315-156CC-901	45013
	HEM, 8G	159	6-1/4	5315-159CC-114	45014
	HEM, 8G	165	6-1/2	5315-165CC-236	45038

SHANK: 5315, SD6 (10 carbide inserts on outside gauge row)

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 10G	165	6-1/2	5315-165FF-217	45015
	HEM, 10G	172	6-3/4	5315-172FF-1637	45016
	HEM, 10G	178	7	5315-178FF-2207	45042
	HEM, 10G	190	7-1/2	5315-190FF-2208	45024
	HEM, 10G	200	7-7/8	5315-200FF-2209	45026
	HEM, 10G	203	8	5315-203FF-830	45017
CONCAVE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM, 10G	165	6-1/2	5315-165CC-1638	45018
	HEM, 10G	172	6-3/4	5315-172CC-1422	45019
	HEM, 10G	178	7	5315-178CC-1853	45043
	HEM, 10G	190	7-1/2	5315-190CC-1845	45025
	HEM, 10G	200	7-7/8	5315-200CC-2210	45027
	HEM, 10G	203	8	5315-203CC-1364	45020

SHANK: 6315, SD8

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	203	8	6315-203FF-743	45022
	HEM	207	8-1/8	6315-207FF-2212	45370
	HEM	216	8-1/2	6315-216FF-829	45023
	HEM	225	8-7/8	6315-225FF-2214	45372
	HEM	229	9	6315-229FF-2216	45374
	HEM	251	9-7/8	6315-251FF-2218	45376
	HEM	254	10	6315-254FF-955	45028
CONCAVE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	203	8	6315-203CC-1068	45029
	HEM	207	8-1/8	6315-207CC-2225	45371
	HEM	216	8-1/2	6315-216CC-1000	45030
	HEM	225	8-7/8	6315-225CC-2226	45373
	HEM	229	9	6315-229CC-1095	45375
	HEM	251	9-7/8	6315-251CC-2050	45377
	HEM	254	10	6315-254CC-1069	45031

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic

* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide

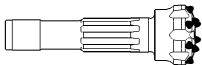
* Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

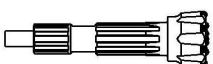
ATLAS COPCO

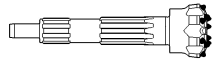


SHANK: COP 32

CONVEX  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	BAL	85	3-11/32	COP32-85CVB-2727	45133
	HEM	90	3-1/2	COP32-90CV-1787	45079
	BAL	90	3-1/2	COP32-90CVB-1401	41248

SHANK: COP 34

FLAT FACE  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	92	3-5/8	COP34-92FF-2738	45254
	HEM	95	3-3/4	COP34-95FF-2739	45305
	HEM	105	4-1/8	COP34-105FF-2740	45209

CONVEX  8 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	92	3-5/8	COP34-92CV-2605	45457
	BAL	92	3-5/8	COP34-92CVB-2606	45253
	HEM	95	3-3/4	COP34-95CV-2734	45256
	BAL	95	3-3/4	COP34-95CVB-2735	45255
	HEM	100	3-15/16	COP34-100CV-2806	45258
	FB	100	3-15/16	COP34-100CVB-2807	45257
	HEM	105	4-1/8	COP34-105CV-2736	45458
	BAL	105	4-1/8	COP34-105CVB-2737	45210

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic

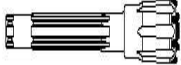
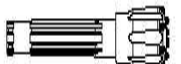
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; FB = (Full) Ballistic Carbide
 * Note: Some button bits may not be offered with a particular carbide design shown above.

DOWN-THE-HOLE (DTH) BITS

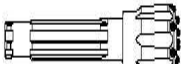
BULROC



SHANK: BULROC 3/33

FLAT FACE   6 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
CONVEX   6 SPLINE * = LARGER CARBIDE	HEM	95	3-3/4	BUL3-95FF-2316	45408
	HEM / FB	95	3-3/4	BUL3-95FF-2614	45430
	FB	95	3-3/4	BUL3-95FFB-2315	45400
	FB	85	3-3/8	BUL3-85CVB-2822	41245
	BAL	90	3-1/2	BUL3-90CVB-2743	41233
	FB	90	3-1/2	BUL3-90CVB-2823	41215
	HEM	90	3-1/2	BUL3-90CV-2742 *	41216
	BAL	90	3-1/2	BUL3-90CVB-1875 *	41238
	HEM	95	3-3/4	BUL3-95CV-2744	41237
	BAL	95	3-3/4	BUL3-95CVB-1402	41234
	HEM	105	4-1/8	BUL3-105CV-2745	41239
	BAL	105	4-1/8	BUL3-105CVB-1932	41232

SHANK: BULROC 33, ROK 3LT

CONVEX   7 SPLINE	CARBIDE DESIGN	DIAMETER (D)		PART NUMBER	
		mm	In.	USA	AUSTRIA
	HEM	90	3-1/2	BUL33-90CV-2728	45463
	BAL	90	3-1/2	BUL33-90CVB-2690	45162
	CON	90	3-1/2	BUL33-90CVC-2378	45164
	HEM	95	3-3/4	BUL33-95CV-2729	45459
	BAL	95	3-3/4	BUL33-95CVB-2732	45460
	HEM	105	4-1/8	BUL33-105CV-2733	45461
	BAL	105	4-1/8	BUL33-105CVB-2741	45462

CARBIDE DESIGN SELECTION

					
Hemispherical	FA	(Semi) Ballistic	Multi - Dome	Conical	Ballistic
* HEM = Hemispherical Carbide; BAL = (Semi) Ballistic Carbide; CON = Conical Carbide; FB = (Full) Ballistic Carbide * HEM / FB = Hemispherical Carbide on Gauge and Full Ballistic Carbide on Front * Note: Some button bits may not be offered with a particular carbide design shown above.					

DOWN-THE-HOLE (DTH) HAMMERS



ROK 2LT (LOW PRESSURE)

ROK 2LT RD 50-6 BOX LOW PRESSURE 	BIT SHANK STYLE: BULROC 2 (6 SPLINES)	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 70 mm - 76mm 2-3/4" - 3"	USA	AUSTRIA
		ROK 2LT	42021
	OPERATING AIR PRESSURE: 6 - 10 (BAR) 87 - 145 (PSI)		



ROK 3LT (LOW PRESSURE)

ROK 3LT 2-3/8" API REG PIN LOW PRESSURE 	BIT SHANK STYLE: BULROC 33 (7 SPLINES)	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 90mm - 95mm 3-1/2" - 3-11/16"	USA	AUSTRIA
		ROK 3LT	42026
			OPERATING AIR PRESSURE: 6 - 10 (BAR) 87 - 145 (PSI)



ROK 3

ROK 3 2-3/8" API REG PIN 	BIT SHANK STYLE:	PART NUMBER	
	MISSION A 3015	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 90 mm - 95 mm 3-1/2" - 3-11/16"	ROK 3 / 42008	42008
	OPERATING AIR PRESSURE: 10.2 - 17 (BAR) 147 - 245 (PSI)		

ROK 3 2-3/8" API REG BOX 	BIT SHANK STYLE:	PART NUMBER	
	MISSION A 3015	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 90 mm - 95 mm 3-1/2" - 3-11/16"	ROK 3 / 42002	42002
	OPERATING AIR PRESSURE: 10.2 - 17 (BAR) 147 - 245 (PSI)		



ROK 3.5

	BIT SHANK STYLE:		PART NUMBER	
	IR 3.5		USA	AUSTRIA
	MISSION XL 3		ROK 3.5 / 42003	42003
	RECOMMENDED BIT DIAMETER:			
	95 mm - 105 mm			
	3-3/4" - 4-1/8"			
	OPERATING AIR PRESSURE:			
	10.5 - 24.1 (BAR)			
	150 - 350 (PSI)			



DOWN-THE-HOLE (DTH) HAMMERS



ROK 350		Integrated SonicFlow Technology		
ROK 350 2-3/8" API REG PIN 	BIT SHANK STYLE: IR 3.5 MISSION XL 3	PART NUMBER		
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA	
		ROK 350-001		50030
ROK 350 2-3/8" API REG PIN Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE: IR 3.5 HD	PART NUMBER		
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA	
		ROK 350-002		50031
ROK 350 2-3/8" API REG BOX 	BIT SHANK STYLE: IR 3.5 MISSION XL 3	PART NUMBER		
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA	
		ROK 350-003		50032
ROK 350 2-3/8" API REG BOX Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE: IR 3.5 HD	PART NUMBER		
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA	
		ROK 350-004		50033
ROK 350 CUBEX #21 PIN WITH SPLINE 	BIT SHANK STYLE: IR 3.5 MISSION XL 3	PART NUMBER		
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA	
		ROK 350-005		50034
ROK 350 CUBEX #21 PIN WITH SPLINE Heavy Duty Bit Retainer Rings IR 3.5 HD Driver Sub 	BIT SHANK STYLE: IR 3.5 HD	PART NUMBER		
	RECOMMENDED BIT DIAMETER: 95 mm - 105 mm 3-3/4" - 4-1/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA	
		ROK 350-006		50035

DOWN-THE-HOLE (DTH) HAMMERS



ROK 4			
ROK 4 2-3/8" API REG PIN 	BIT SHANK STYLE: INGERSOLL-RAND 340A ATLAS COPCO COP 44	PART NUMBER	
		USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 110 mm - 125 mm 4-5/16" - 4-7/8"	ROK 4 / 42005	42005
	OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 400		Integrated SonicFlow Technology	
ROK 400 2-3/8" API REG PIN 	BIT SHANK STYLE: INGERSOLL-RAND 340A ATLAS COPCO COP 44	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 110 mm - 125 mm 4-5/16" - 4-7/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA
		ROK 400-001	50040
ROK 400 2-3/8" API REG BOX 	BIT SHANK STYLE: INGERSOLL-RAND 340A ATLAS COPCO COP 44	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 110 mm - 125 mm 4-5/16" - 4-7/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA
		ROK 400-005	50043
ROK 400 2-3/8" API IF PIN 	BIT SHANK STYLE: INGERSOLL-RAND 340A ATLAS COPCO COP 44	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 110 mm - 125 mm 4-5/16" - 4-7/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA
		ROK 400-004	50042
ROK 400 2-3/8" API IF PIN Heavy Duty Wear Sleeve 	BIT SHANK STYLE: INGERSOLL-RAND 340A ATLAS COPCO COP 44	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 127 mm - 140 mm 5" - 5-1/2" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA
		ROK 400-006	50044
ROK 400 2-7/8" API REG PIN 	BIT SHANK STYLE: INGERSOLL-RAND 340A ATLAS COPCO COP 44	PART NUMBER	
	RECOMMENDED BIT DIAMETER: 110 mm - 125 mm 4-5/16" - 4-7/8" OPERATING AIR PRESSURE: 10.4 - 24.1 (BAR) 150 - 350 (PSI)	USA	AUSTRIA
		ROK 400-002	50041

DOWN-THE-HOLE (DTH) HAMMERS



ROK 500		Integrated SonicFlow Technology	
ROK 500 3-1/2" API REG PIN 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL5/QL50	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 140 mm - 152 mm 5.5" - 6"	ROK 500-001	50050
	OPERATING AIR PRESSURE:		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 600Q		Integrated SonicFlow Technology	
ROK 600Q 3-1/2" API REG PIN 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 152 mm - 178 mm 6" - 7"	ROK 600Q-002	50061
	OPERATING AIR PRESSURE:		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 600W		Integrated SonicFlow Technology	
ROK 600W 3-1/2" API REG PIN Water-Well Applications 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 152 mm - 178 mm 6" - 7"	ROK 600W-001	50060
	OPERATING AIR PRESSURE:		
	8.3 - 22.8 (BAR) 120 - 330 (PSI)		

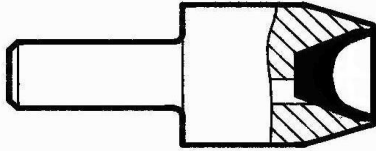
ROK 650Q		Integrated SonicFlow Technology	
ROK 650Q 3-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 165 mm - 178 mm 6.5" - 7"	ROK 650Q-001	50070
	OPERATING AIR PRESSURE:		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		
ROK 650Q 3-1/2" API IF PIN Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL6/QL60	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 165 mm - 178 mm 6.5" - 7"	ROK 650Q-005	50071
	OPERATING AIR PRESSURE:		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		

ROK 875		Integrated SonicFlow Technology	
ROK 875 4-1/2" API REG PIN Top Sub With Back Reaming Buttons Heavy Duty Wear Sleeve 	BIT SHANK STYLE:	PART NUMBER	
	INGERSOLL-RAND QL8/QL80	USA	AUSTRIA
	RECOMMENDED BIT DIAMETER: 216 mm - 305 mm 8-1/2" - 12"	ROK 875-001	50090
	OPERATING AIR PRESSURE:		
	10.4 - 24.1 (BAR) 150 - 350 (PSI)		



GRINDING PINS - DIAROC

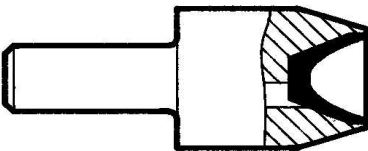
HEMISPHERICAL



DIAMETER		PART NUMBER	
mm	In.	USA	AUSTRIA
6	1/4	2856DH	46327
7	9/32	2857DH	46182
8	5/16	2858DH	46043
9	11/32	2859DH	46141
10	13/32	28510DH	46013
11	7/16	28511DH	46191
12	15/32	28512DH	46015
13	1/2	28513DH	46292
14	9/16	28514DH	46017
15	19/32	28515DH	46328
16	5/8	28516DH	46045
17	21/32	28517DH	46329
18	23/32	28518DH	46330
19	3/4	28519DH	46331
20	25/32	28520DH	46332

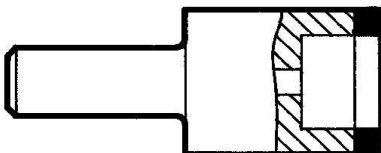
GRINDING PINS - DIAROC

(SEMI) BALLISTIC



DIAMETER		PART NUMBER	
mm	In.	USA	AUSTRIA
6	1/4	2856DB	46333
7	9/32	2857DB	46334
8	5/16	2858DB	46195
9	11/32	2859DB	46196
10	13/32	28510DB	46197
11	7/16	28511DB	46198
12	15/32	28512DB	46140
13	1/2	28513DB	46291
14	9/16	28514DB	46255
15	19/32	28515DB	46335
16	5/8	28516DB	46336
17	21/32	28517DB	46337
18	23/32	28518DB	46338
19	3/4	28519DB	46339
20	25/32	28520DB	46340

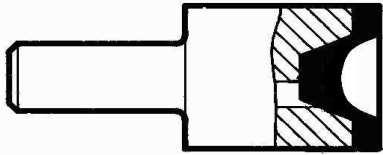
GRINDING PINS - BORROC



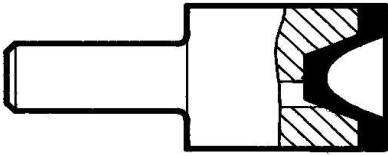
DIAMETER		PART NUMBER	
mm	In.	USA	AUSTRIA
6	1/4	2856B	46341
7	9/32	2857B	46185
8	5/16	2858B	46044
9	11/32	2859B	46192
10	13/32	28510B	46014
11	7/16	28511B	46193
12	15/32	28512B	46016
13	1/2	28513B	46342
14	9/16	28514B	46018
15	19/32	28515B	46343
16	5/8	28516B	46046
17	21/32	28517B	46344
18	23/32	28518B	46345
19	3/4	28519B	46346
20	25/32	28520B	46347



GRINDING PINS - COMBINATION

HEMISPHERICAL	DIAMETER		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		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:

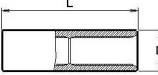
Diaroc grinding pin for grinding the carbide buttons

Borroc grinding pin for grinding the steel body material

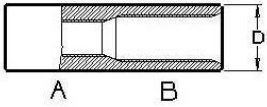
Combination grinding pin for grinding the carbide buttons and the steel body in one action



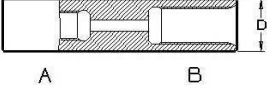
COUPLINGS

	THREAD	LENGTH (L)		DIAMETER (D)		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R25	150	6	36	1-7/16	CR25-36-203	13332
	R28	150	6	40	1-5/8	CR28-40-204	41661
	R32	150	6	44	1-3/4	CR32-44-205	13308
	R38	170	6-11/16	55	2-5/32	CR38-55-206	13302
	T38	190	7-1/2	55	2-5/32	CT38-55-198	14844
	T45	210	8-1/4	63	2-31/64	CT45-63-649	41666
	T45 HD	210	8-1/4	66	2-1/2	CT45-66-1363	14845
	T51	225	8-7/8	72	2-7/8	CT51-72-648	41662
	T51 HD	225	8-7/8	76	3	CT51-76-1195	41686

COUPLING ADAPTERS - Semi Bridge

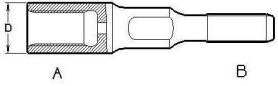
	THREAD		DIAMETER (D)		PART NUMBER	
	(A)	(B)	mm	In.	USA	AUSTRIA
	R22	R25	35	1-3/8	CAR22R25-35-2191	41664
	R25	R28	38	1-1/2	CAR25R28-38-1663	41665
	R25	R32	44	1-11/16	CAR25R32-44-657	11445
	R28	R32	44	1-11/16	CAR28R32-44-658	48604
	R32	R38	55	2-5/32	CAR32R38-55-950	13348
	R32	T38	55	2-5/32	CAR32T38-55-660	41657
	R38	T38	55	2-5/32	CAR38T38-55-661	11449
	R38	T45	63	2-31/64	CAR38T45-63-2192	48531
	T38	T45	63	2-31/64	CAT38T45-63-654	41658
	T45	T51	72	2-7/8	CAT45T51-72-655	41676

COUPLING ADAPTERS - Full Bridge

	THREAD		DIAMETER (D)		PART NUMBER	
	(A)	(B)	mm	In.	USA	AUSTRIA
	R22	R25	35	1-3/8	CAR22R25-35-2252	48504
	R25	R28	38	1-1/2	CAR25R28-38-2253	48505
	R25	R32	44	1-11/16	CAR25R32-44-2254	17235
	R28	R32	44	1-11/16	CAR28R32-44-2255	48506
	R32	R38	55	2-5/32	CAR32R38-55-2256	17236
	R32	T38	55	2-5/32	CAR32T38-55-2257	41675
	R38	T38	55	2-5/32	CAR38T38-55-2258	41655
	R38	T45	63	2-31/64	CAR38T45-63-2259	41667
	T38	T45	63	2-31/64	CAT38T45-63-2260	41684
	T45	T51	72	2-7/8	CAT45T51-72-2261	41689
	T51	T68	96	3-3/4	CAT51T68-96-2262	41654



BIT ADAPTERS

	THREAD		DIAMETER (D)		PART NUMBER	
	FEMALE (A)	MALE (B)	mm	In.	USA	AUSTRIA
	R25	R32	44	1-3/4	BAR25R32-44	11425
	R32	R38	44	1-3/4	BAR32R38-44	11426
	R32	T38	44	1-3/4	BAR32T38-44	48585
	R38	R32	55	2-5/32	BAR38R32-55	48645
	R38	T38	55	2-5/32	BAR38T38-55	48646
	T38	R32	55	2-5/32	BAT38R32-55	48586
	T38	R38	55	2-5/32	BAT38R38-55	11430
	T38	T45	55	2-5/32	BAT38T45-55	48588
	T45	T38	63	2-31/64	BAT45T38-63	48587
	T45	T51	63	2-31/64	BAT45T51-63	41693
	T51	T45	72	2-27/32	BAT51T45-72	48661

THREAD / COUPLING GREASE

	TYPE	DESCRIPTION	PART NUMBER	
			USA	AUSTRIA
	Thread Guard	10 Lbs (1 Gal.)	THREAD GUARD 10#	11564
	Thread Guard	50 lbs (5 Gal.)	THREAD GUARD 50#	11568
	Thread Guard	5 Gal., Pumpable	THREAD GUARD 5GA	11565

INTEGRAL DRILL RODS



3/4" HEX (19mm) X 4-1/4" SHANK (108mm)

SERIES	DIAMETER (D)		LENGTH (L)		PART NUMBER	
	mm	In.	mm	FT	USA	AUSTRIA
21	29	1-9/64	400	1' 4"	724-0429	49366
21	28	1-7/64	800	2' 7"	724-0828	49365
21	27	1-1/16	1600	5' 3"	724-1627	49364
21	26	1-1/32	2400	7' 10"	724-2426	49521
21	25	1	3200	10' 6"	724-3225	49522
21	24	15/16	4000	13' 1"	724-4024	49524
24	27	1-1/16	600	2'	724-0627	49362
24	26	1-1/32	1200	3' 11"	724-1226	49361
24	25	1	1800	5' 11"	724-1825	49525
	24	15/16	400	1' 4"	724-0424	49375
	23	29/32	800	2' 7"	724-0823	49526
	27	1-1/16	1200	3' 11"	724-1227	49363



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

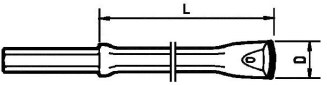
SERIES	DIAMETER (D)		LENGTH (L)		PART NUMBER	
	mm	In.	mm	FT	USA	AUSTRIA
11	34	1-11/32	800	2' 7"	714-0834	49134
11	33	1-19/64	1600	5' 3"	714-1633	49127
11	32	1-1/4	2400	7' 10"	714-2432	49121
11	31	1-7/32	3200	10' 6"	714-3231	49116
11	30	1-3/16	4000	13' 1"	714-4030	49113
11	29	1-9/64	4800	15' 9"	714-4829	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	1-37/64	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	1-27/64	4000	13' 1"	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	1-19/64	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	1-19/64	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' 6"	714-2030	49112
16	35	1-3/8	600	2'	714-0635	49138
16	34	1-11/32	1200	3' 11"	714-1234	49135
16	33	1-19/64	1800	5' 11"	714-1833	49128
16	32	1-1/4	2400	7' 10"	714-2432	49121
17	41	1-5/8	600	2'	714-0641	49162
17	40	1-37/64	1200	3' 11"	714-1240	49160
17	39	1-17/32	1800	5' 11"	714-1839	49154



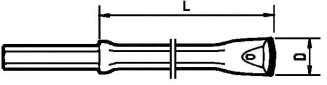
INTEGRAL DRILL RODS



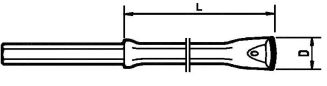
7/8" HEX (22mm) X 4-1/4" SHANK (108mm) (CONTINUED)

	SERIES	DIAMETER (D)		LENGTH (L)		PART NUMBER	
		mm	In.	mm	FT	USA	AUSTRIA
	32	29	1-1/4	500	1' 8"	714-0532	49117
		29	1-9/64	800	2' 7"	714-0829	49107
		28	1-7/64	1600	5' 3"	714-1628	49103
		27	1-1/16	2400	7' 10"	714-2427	49101

1" HEX (25mm) X 4-1/4" SHANK (108mm)

	SERIES	DIAMETER (D)		LENGTH (L)		PART NUMBER	
		mm	In.	mm	FT	USA	AUSTRIA
	32	42	1-21/32	800	2' 7"	734-0842	49448
	32	41	1-5/8	1600	5' 3"	734-1641	49444
	32	40	1-37/64	2400	7' 10"	734-2440	49443
	32	39	1-17/32	3200	10' 6"	734-3239	49442
	32	38	1-1/2	4000	13' 1"	734-4038	49441
	32	37	1-29/64	4800	15' 9"	734-4837	49465
	32	36	1-27/64	5600	18' 4"	734-5636	49466
	32	35	1-3/8	6400	21'	734-6435	49467
		45	1-3/4	600	2'	734-0645	49454
		44	1-23/32	1200	3' 11"	734-1244	49453
		43	1-11/16	1800	5' 11"	734-1843	49452

1" HEX (25mm) X 6-1/4" SHANK (159mm)

	SERIES	DIAMETER (D)		LENGTH (L)		PART NUMBER	
		mm	In.	mm	FT	USA	AUSTRIA
	32	42	1-21/32	800	2' 7"	737-0842	49481
	32	41	1-5/8	1600	5' 3"	737-1641	49411
	32	40	1-37/64	2400	7' 10"	737-2440	49410
	32	39	1-17/32	3200	10' 6"	737-3239	49415
	32	38	1-1/2	4000	13' 1"	737-4038	49414
	32	37	1-29/64	4800	15' 9"	737-4837	49482
	32	36	1-27/64	5600	18' 4"	737-5636	49408
	32	35	1-3/8	6400	21'	737-6435	49405

DRILL RODS

TAPERED - HF Hardened



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

11°	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	22H-610-11	41616
	760	2'6"	22H-760-11	48310
	1220	4'	22H-1220-11	41618
	1370	4'6"	22H-1370-11	48311
	1525	5'	22H-1525-11	41624
	1830	6'	22H-1830-11	41619
	1980	6'6"	22H-1980-11	48304
	2440	8'	22H-2440-11	48333
	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	48343
	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		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	22H-610-12	48472
	760	2'6"	22H-760-12	41620
	1220	4'	22H-1220-12	48329
	1370	4'6"	22H-1370-12	41621
	1525	5'	22H-1525-12	48305
	1830	6'	22H-1830-12	41648
	1980	6'6"	22H-1980-12	41519
	2440	8'	22H-2440-12	41544
	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
	4270	14'	22H-4270-12	48355
	4575	15'	22H-4575-12	48356

1" HEX (25mm), 6-1/4" SHANK (159mm) X 11° HF Hardened

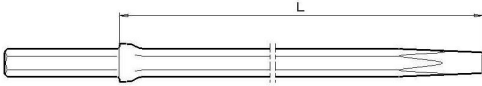
11°	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	25H-610-11	43402
	760	2'6"	25H-760-11	43403
	1220	4'	25H-1220-11	43404
	1370	4'6"	25H-1370-11	43405
	1525	5'	25H-1525-11	43406
	1830	6'	25H-1830-11	43369
	1980	6'6"	25H-1980-11	43407
	2440	8'	25H-2440-11	43398
	2590	8'6"	25H-2590-11	43408
	3050	10'	25H-3050-11	43399
	3660	12'	25H-3660-11	43400

DRILL RODS

TAPERED - HF Hardened



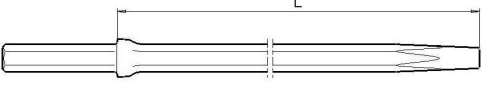
1" HEX (25mm), 6-1/4" SHANK (159mm) X 12° HF Hardened

12°	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	25H-610-12	43446
	760	2'6"	25H-760-12	43440
	1220	4'	25H-1220-12	43447
	1370	4'6"	25H-1370-12	43448
	1525	5'	25H-1525-12	43449
	1830	6'	25H-1830-12	43450
	1980	6'6"	25H-1980-12	43451
	2440	8'	25H-2440-12	43386
	2590	8'6"	25H-2590-12	43387
	3050	10'	25H-3050-12	43388
	3660	12'	25H-3660-12	43401

1" HEX (25mm), 4-1/4" SHANK (108mm) X 11° HF Hardened

11°	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	25HX4-610-11	43351
	760	2'6"	25HX4-760-11	43352
	1220	4'	25HX4-1220-11	43354
	1370	4'6"	25HX4-1370-11	43379
	1525	5'	25HX4-1525-11	43355
	1830	6'	25HX4-1830-11	43356
	1980	6'6"	25HX4-1980-11	43380
	2440	8'	25HX4-2440-11	43357
	2590	8'6"	25HX4-2590-11	43381
	3050	10'	25HX4-3050-11	43358
	3660	12'	25HX4-3660-11	43393

1" HEX (25mm), 4-1/4" SHANK (108mm) X 12° HF Hardened

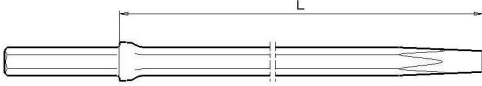
12°	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	25HX4-610-12	43361
	760	2'6"	25HX4-760-12	43362
	1220	4'	25HX4-1220-12	43364
	1370	4'6"	25HX4-1370-12	43452
	1525	5'	25HX4-1525-12	43365
	1830	6'	25HX4-1830-12	43366
	1980	6'6"	25HX4-1980-12	43378
	2440	8'	25HX4-2440-12	43367
	2590	8'6"	25HX4-2590-12	43424
	3050	10'	25HX4-3050-12	43368
	3660	12'	25HX4-3660-12	43394

DRILL RODS

TAPERED - Carburized



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

11°	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	22H-610-11-C	41616
	760	2'6"	22H-760-11-C	48310
	1220	4'	22H-1220-11-C	41618
	1370	4'6"	22H-1370-11-C	48311
	1525	5'	22H-1525-11-C	41624
	1830	6'	22H-1830-11-C	41619
	1980	6'6"	22H-1980-11-C	48304
	2440	8'	22H-2440-11-C	48333
	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	48343
	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

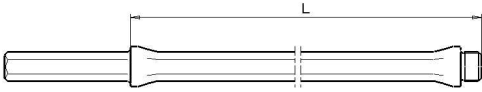
12°	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	22H-610-12-C	48472
	760	2'6"	22H-760-12-C	41620
	1220	4'	22H-1220-12-C	48329
	1370	4'6"	22H-1370-12-C	41621
	1525	5'	22H-1525-12-C	48305
	1830	6'	22H-1830-12-C	41648
	1980	6'6"	22H-1980-12-C	41519
	2440	8'	22H-2440-12-C	41544
	2590	8'6"	22H-2590-12-C	41623
	3050	10'	22H-3050-12-C	48476
	3200	10'6"	22H-3200-12-C	41518
	3660	12'	22H-3660-12-C	43316
	4270	14'	22H-4270-12-C	48355
	4575	15'	22H-4575-12-C	48356

DRILL RODS

H-THREAD



H-THREAD X 1" HEX (25mm), 4-1/4" SHANK (108mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	25HX4-H-610	43689
	760	2' 6"	25HX4-H-760	43690
	915	3'	25HX4-H-915	43691
	1200	4'	25HX4-H-1200	43692
	1525	5'	25HX4-H-1525	43693
	1800	6'	25HX4-H-1800	43694
	2135	7'	25HX4-H-2135	43695
	2400	8'	25HX4-H-2400	43696
	2745	9'	25HX4-H-2745	43697
	3050	10'	25HX4-H-3050	43698
	3660	12'	25HX4-H-3660	43699

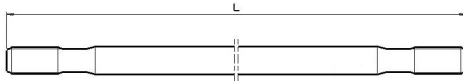
DRILL RODS

ROUND EXTENSION - MALE / MALE - HF Hardened



R38 - R38 - Rd 39 1-1/2" ROPE THREAD (38mm) HF Hardened

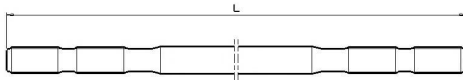
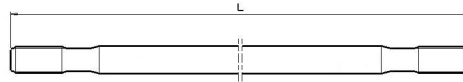
SINGLE THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	R38R-1220	11404
	1830	6'	R38R-1830	11405
	3050	10'	R38R-3050	14914
	3660	12'	R38R-3660	14915



T38 - T38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm) HF Hardened

SINGLE THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T38R-1220	11414
	1830	6'	T38R-1830	11415
	2000	6'6"	T38R-2000	11316
	3050	10'	T38R-3050	11128
	3660	12'	T38R-3660	11129
	4270	14'	T38R-4270	11130

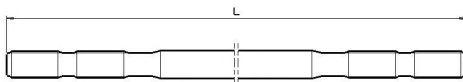
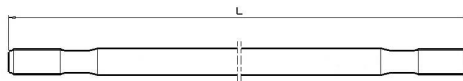
TANDEM THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T38R-T-1220	47399
	1830	6'	T38R-T-1830	47400
	3050	10'	T38R-T-3050	11369
	3660	12'	T38R-T-3660	11370
	4270	14'	T38R-T-4270	11371



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

SINGLE THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T45R-1220	47293
	1830	6'	T45R-1830	47339
	2000	6'6"	T45R-2000	41580
	3050	10'	T45R-3050	47051
	3660	12'	T45R-3660	47052
	4270	14'	T45R-4270	47053
	4875	16'	T45R-4875	47054
	6095	20'	T45R-6095	47001

TANDEM THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1830	6'	T45R-T-1830	47408
	3050	10'	T45R-T-3050	47409
	3660	12'	T45R-T-3660	47094
	4270	14'	T45R-T-4270	47410
	4875	16'	T45R-T-4875	47406
	6095	20'	T45R-T-6095	47417



DRILL RODS

ROUND EXTENSION - MALE / MALE - HF Hardened



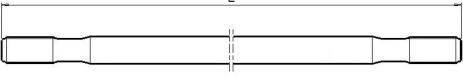
T51 - T51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm) HF Hardened				
SINGLE THREAD 	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T51R-1220	43712
	1830	6'	T51R-1830	47206
	3050	10'	T51R-3050	47140
	3660	12'	T51R-3660	47141
	4270	14'	T51R-4270	47381
	4875	16'	T51R-4875	47387
	6095	20'	T51R-6095	46184
	7315	24'	T51R-7315	43759

DRILL RODS

ROUND EXTENSION - MALE / MALE - Carburized



R32 - R32 - Rd 32 1-1/4" ROPE THREAD (32mm) Carburized

SINGLE THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	R32R-1220-C	11401
	1830	6'	R32R-1830-C	14898
	2435	8'	R32R-2435-C	14899
	3050	10'	R32R-3050-C	14902
	3660	12'	R32R-3660-C	14903
	4270	14'	R32R-4270-C	14904

T38 - T38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm) Carburized

SINGLE THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3050	10'	T38R-3050-C	11128
	3660	12'	T38R-3660-C	11129
	4270	14'	T38R-4270-C	11130

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

SINGLE THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3050	10'	T45R-3050-C	47051
	3660	12'	T45R-3660-C	47052
	4270	14'	T45R-4270-C	47053

T51 - T51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm) Carburized

SINGLE THREAD	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3050	10'	T51R-3050-C	47140
	3660	12'	T51R-3660-C	47141

DRILL RODS

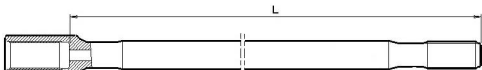
ROUND EXTENSION - MALE / FEMALE



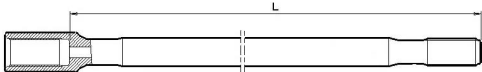
MF-Rod R32 - R32 - Rd 32 1-1/4" ROPE THREAD (32mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	R3232MF-1220	47139
	1525	5'	R3232MF-1525	47137
	1830	6'	R3232MF-1830	47138
	2440	8'	R3232MF-2440	47386
	3050	10'	R3232MF-3050	47127
	3660	12'	R3232MF-3660	47128

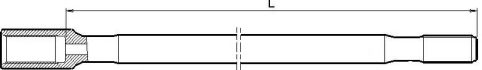
MF-Rod T38 - T38 - Rd 39 1-1/2" TRAPEZOIDAL THREAD (38mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T3838MF-1220	47111
	1525	5'	T3838MF-1525	47136
	1830	6'	T3838MF-1830	47110
	2440	8'	T3838MF-2440	47284
	3050	10'	T3838MF-3050	47144
	3660	12'	T3838MF-3660	47164
	4270	14'	T3838MF-4270	47247

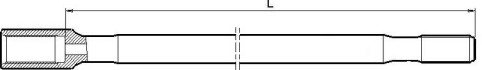
MF-Rod T45 - T45 - Rd 46 1-3/4" TRAPEZOIDAL THREAD (45mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1830	6'	T4545MF-1830	47172
	3050	10'	T4545MF-3050	47173
	3660	12'	T4545MF-3660	47166
	4270	14'	T4545MF-4270	47285

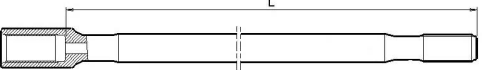
MF-Rod T51 - T51 - Rd 52 2" TRAPEZOIDAL THREAD (51mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1830	6'	T5151MF-1830	47337
	3660	12'	T5151MF-3660	47338
	4270	14'	T5151MF-4270	43819

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	ST5860MF-1220	43953
	3660	12'	ST5860MF-3660	43942
	4270	14'	ST5860MF-4270	43922
	5490	18'	ST5860MF-5490	43962

MF-Rod T60 - T60 - Rd 60 2-1/4" TRAPEZOIDAL THREAD (60mm) (ROCKMORE T60)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	T6060MF-1220	43957
	3660	12'	T6060MF-3660	43973
	4270	14'	T6060MF-4270	43974
	5490	18'	T6060MF-5490	43985

DRILL RODS

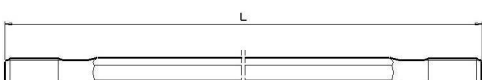
HEX EXTENSION - MALE / MALE



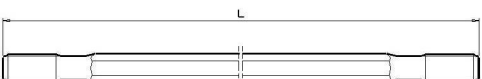
R22 - R22 - HEX 22 7/8" ROPE THREAD (22mm) X 7/8" HEX (22mm)

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

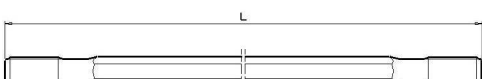
R25 - R25 - HEX 22 1" ROPE THREAD (25mm) X 7/8" HEX (22mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	R2522H-610	41613
	915	3'	R2522H-915	14889
	1220	4'	R2522H-1220	14890
	1525	5'	R2522H-1525	14891
	1830	6'	R2522H-1830	14892

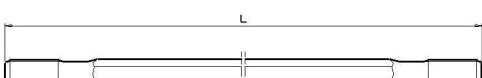
R25 - R25 - HEX 25 1" ROPE THREAD (25mm) X 1" HEX (25mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	R2525H-610	47199
	915	3'	R2525H-915	14943
	1220	4'	R2525H-1220	14944
	1525	5'	R2525H-1525	41565
	1830	6'	R2525H-1830	14946
	2435	8'	R2525H-2435	14947
	3050	10'	R2525H-3050	14926
	3660	12'	R2525H-3660	41560

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	R2828H-1220	47237
	1830	6'	R2828H-1830	47308
	2435	8'	R2828H-2435	47261
	3050	10'	R2828H-3050	47092
	3660	12'	R2828H-3660	47295

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

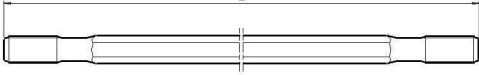
	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	610	2'	R3225H-610	43805
	915	3'	R3225H-915	14927
	1220	4'	R3225H-1220	14928
	1525	5'	R3225H-1525	43806
	1830	6'	R3225H-1830	14940
	2435	8'	R3225H-2435	14941
	3050	10'	R3225H-3050	14942

DRILL RODS

HEX EXTENSION - MALE / MALE



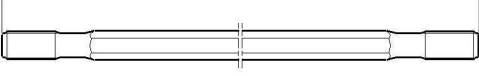
R32 - R32 - HEX 32 1-1/4" ROPE THREAD (32mm) X 1-1/4" HEX (32mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1220	4'	R3232H-1220	43732
	1830	6'	R3232H-1830	11403
	2435	8'	R3232H-2435	43684
	3050	10'	R3232H-3050	43858
	3660	12'	R3232H-3660	41646
	4270	14'	R3232H-4270	43685

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1830	6'	R3832H-1830	11417
	3050	10'	R3832H-3050	43965
	3660	12'	R3832H-3660	43795

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	915	3'	T3832H-915	11413
	1220	4'	T3832H-1220	11406
	1830	6'	T3832H-1830	11407
	2435	8'	T3832H-2435	47055
	3050	10'	T3832H-3050	11314
	3660	12'	T3832H-3660	11315

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

SINGLE THREAD 	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	T4538H-3660	11183
	4270	14'	T4538H-4270	11184
TANDEM THREAD 	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3660	12'	T4538H-T-3660	47066

SHANK RODS



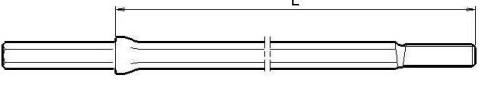
R22 7/8" ROPE THREAD (22mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255 1800	10" 6'	22H-R22-255 22H-R22-1800	47155 47114

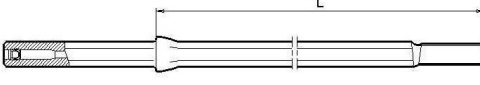
R25 1" ROPE THREAD (25mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	22H-R25-255	14929
	500	1' 6"	22H-R25-500	43881
	610	2'	22H-R25-610	47076
	800	2' 6"	22H-R25-800	47143
	915	3'	22H-R25-915	43825
	1220	4'	22H-R25-1220	43826
	1830	6'	22H-R25-1830	43827

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25HX4-R25-255	14175
	305	1'	25HX4-R25-305	43879
	610	2'	25HX4-R25-610	43829
	915	3'	25HX4-R25-915	43830
	1000	3' 6"	25HX4-R25-1000	47393
	1220	4'	25HX4-R25-1220	43831
	1830	6'	25HX4-R25-1830	43833
	2440	8'	25HX4-R25-2440	43835
	3050	10'	25HX4-R25-3050	43837
	3660	12'	25HX4-R25-3660	43880

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25H-R25-255	41719
	1000	3' 6"	25H-R25-1000	14935
	1800	6'	25H-R25-1800	14936
	2440	8'	25H-R25-2440	41557
	3200	10' 6"	25H-R25-3200	41597
	3660	12'	25H-R25-3660	47064

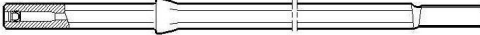
R32 1-1/4" ROPE THREAD (32mm) X 7/8" HEX (22mm), 4-1/4" SHANK (108mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	500	1' 6"	22H-R32-500	43882

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25HX4-R32-255	43683
	610	2'	25HX4-R32-610	43933
	1220	4'	25HX4-R32-1220	43936
	1830	6'	25HX4-R32-1830	43937
	2440	8'	25HX4-R32-2440	43938

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

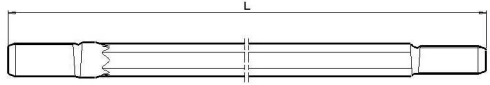
	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	255	10"	25H-R32-255	47026

DRILL RODS

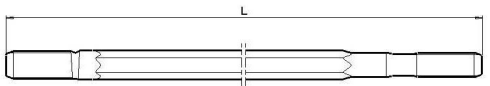
DRIFTING AND TUNNELING - Hex



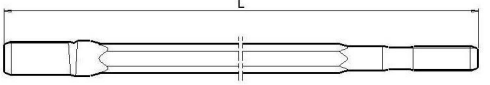
R25 - R32 - HEX 25 1" ROPE THREAD (25mm) X 1-1/4" ROPE THREAD (32mm) X 1" HEX (25mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	1830	6' 1-1/2"	R25R3225H-1830	43803
	2130	7' 1-1/2"	R25R3225H-2130	11165
	2475	8' 1-1/2"	R25R3225H-2475	11166
	3090	10' 1-1/2"	R25R3225H-3090	11167
	3700	12' 1-1/2"	R25R3225H-3700	11553

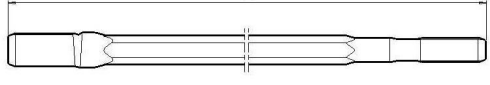
R28 - R32 - HEX 28 1-1/8" ROPE THREAD (28mm) X 1-1/4" ROPE THREAD (32mm) X 1-1/8" HEX (28mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	2475	8' 1-1/2"	R28R3228H-2475	47072
	3090	10' 1-1/2"	R28R3228H-3090	41634
	3700	12' 1-1/2"	R28R3228H-3700	41635
	4005	13' 1-1/2"	R28R3228H-4005	41636
	4305	14' 1-1/2"	R28R3228H-4305	41632

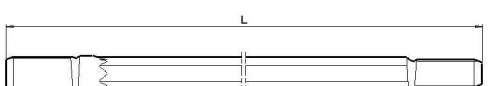
R28 - R38 - HEX 28 1-1/8" ROPE THREAD (28mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/8" HEX (28mm)

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

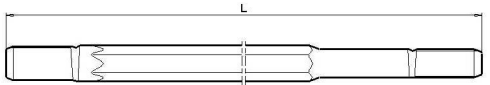
R28 - R38 - HEX 32 1-1/8" ROPE THREAD (28mm) X 1-1/2" ROPE THREAD (38mm) X 1-1/4" HEX (32mm)

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	R28R3832H-3090	47175
	3700	12' 1-1/2"	R28R3832H-3700	47145
	4305	14' 1-1/2"	R28R3832H-4305	47146
	5525	18' 1-1/2"	R28R3832H-5525	47331

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	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

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	R32R3835H-3090	47198
	3700	12' 1-1/2"	R32R3835H-3700	47165
	4305	14' 1-1/2"	R32R3835H-4305	47148
	4915	16' 1-1/2"	R32R3835H-4915	47149

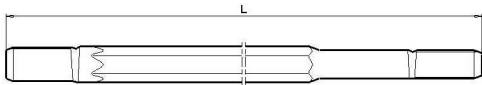
DRILL RODS

DRIFTING AND TUNNELING - Hex

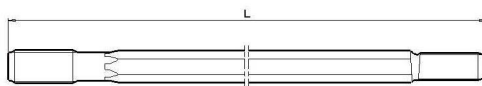


XR32 - R38 - HEX 35 1-1/4" ROPE THREAD (32mm) X 1-1/2" ROPE THREAD (38mm) X 1-3/8" HEX (35mm)

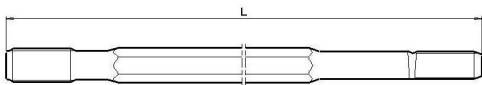
ROCKMORE XR32 THREAD SYSTEM

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3700	12' 1-1/2"	XR32R3835H-3700	43614
	4305	14' 1-1/2"	XR32R3835H-4305	43640
	4915	16' 1-1/2"	XR32R3835H-4915	43615

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

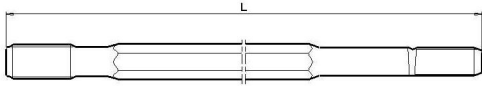
	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	R32T3832H-3090	11383
	3700	12' 1-1/2"	R32T3832H-3700	11384
	4305	14' 1-1/2"	R32T3832H-4305	11386
	4915	16' 1-1/2"	R32T3832H-4915	11388

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

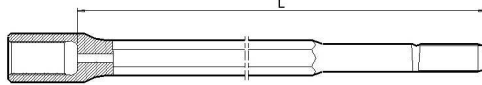
	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3700	12' 1-1/2"	R32T3835H-3700	47161
	4305	14' 1-1/2"	R32T3835H-4305	47150
	4915	16' 1-1/2"	R32T3835H-4915	47151
	5525	18' 1-1/2"	R32T3835H-5525	47204

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

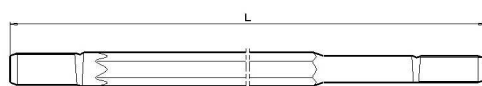
ROCKMORE XR32 THREAD SYSTEM

	LENGTH		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

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		PART NUMBER	
	mm	FT	USA	AUSTRIA
	3090	10' 1-1/2"	R32T3835HMF-3090	47332
	3700	12' 1-1/2"	R32T3835HMF-3700	47297
	4305	14' 1-1/2"	R32T3835HMF-4305	47300
	4915	16' 1-1/2"	R32T3835HMF-4915	47301
	5525	18' 1-1/2"	R32T3835HMF-5525	47246

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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4305	14' 1-1/2"	R35R3835H-4305	43854
	4915	16' 1-1/2"	R35R3835H-4915	43855
	5525	18' 1-1/2"	R35R3835H-5525	43816

DRILL RODS

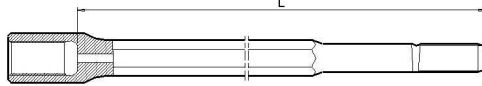
DRIFTING AND TUNNELING - Hex



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

	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4305	14' 1-1/2"	R35T3835H-4305	43856
	4915	16' 1-1/2"	R35T3835H-4915	43857
	5525	18' 1-1/2"	R35T3835H-5525	43721

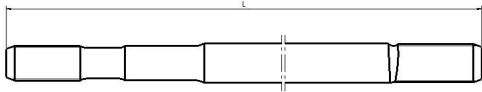
MF-Rod R35M - T38F - HEX 35 1-3/8" ROPE THREAD (35mm) X 1-1/2" FEMALE TRAP. THREAD (38mm) X 1-3/8" HEX (35mm)

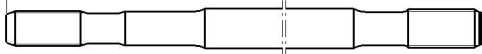
	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4305	14' 1-1/2"	R35T3835HMF-4305	43849
	4915	16' 1-1/2"	R35T3835HMF-4915	43852
	5525	18' 1-1/2"	R35T3835HMF-5525	43853

DRILL RODS

DRIFTING AND TUNNELING - Round



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

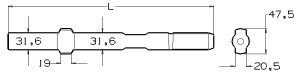
R35 - T38 - RD 39 1-3/8" ROPE THREAD (35mm) X 1-1/2" TRAPEZOIDAL THREAD (38mm) X 1-1/2" ROUND (39mm)				
	LENGTH		PART NUMBER	
	mm	FT	USA	AUSTRIA
	4305	14' 1-1/2"	R35T3839R-4305	43763
	4915	16' 1-1/2"	R35T3839R-4915	43920
	5525	18' 1-1/2"	R35T3839R-5525	43761

SHANK ADAPTERS

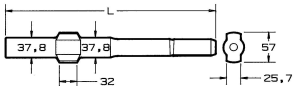


ATLAS COPCO

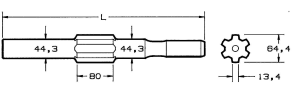
ATLAS COPCO - BBC 43, 44, 45, 100

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R25	380	15.00	31.6	1.25	R254410-001	13394
	R32	380	15.00	31.6	1.25	R324410-001	13397

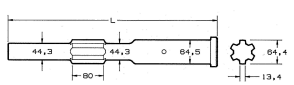
ATLAS COPCO - BBC 51, 52, 54, 120

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	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

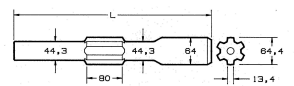
ATLAS COPCO - BBE 56, 57 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	447	17.60	44.3	1.75	R383214-005	11482
	T38	537	21.14	44.3	1.75	T383214-001	11484
	T45	550	21.65	44.3	1.75	T453214-002	11335

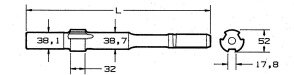
ATLAS COPCO - BBE 56, 57 (FEMALE-CENTRAL FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	447	17.60	64	2.52	R383214-003	41726
	T38	447	17.60	64	2.52	T383214-003	47809
	T45	447	17.60	64	2.52	T453214-003	41725

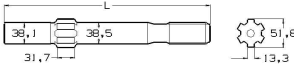
ATLAS COPCO - BBE 56, 57 (FEMALE-SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	537	21.14	64.5	2.54	R3832SF-004	47805
	T38	537	21.14	64.5	2.54	T3832SF-004	47804
	T45	537	21.14	64.5	2.54	T4532SF-004	47814

ATLAS COPCO - COP 131 (3 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	405	15.94	38	1.50	R323314-002	41740
	T38	380	15.00	38	1.50	T383314-001	41736

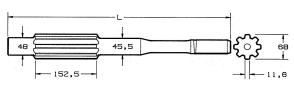
ATLAS COPCO - COP 131 LS (CENTRAL FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	381	15.00	38	1.50	T3811014-002	41746

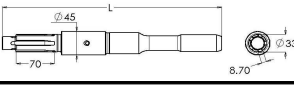
SHANK ADAPTERS



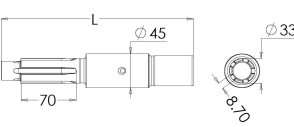
ATLAS COPCO - COP 150

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	557	21.90	45.6	1.80	R383816-001	47818
	T38	557	21.90	45.6	1.80	T383816-001	47817
	T45	557	21.90	45.6	1.80	T453816-001	47802

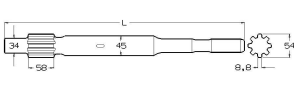
ATLAS COPCO - COP 1028 HB (MALE)

	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

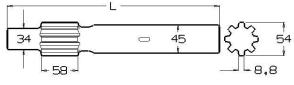
ATLAS COPCO - COP 1028 HD (FEMALE)

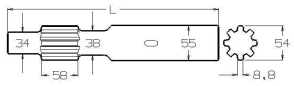
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R28	245	9.65	45	1.75	R28139SF-001	48845

ATLAS COPCO - COP 1032 LE, HB, HL (MALE)

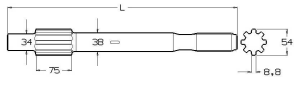
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	510	20.00	45	1.75	R3234SF-003	47973
	R28	550	21.65	45	1.75	R2834SF-001	47952
	R32	550	21.65	45	1.75	R3234SF-001	47944
	R38	550	21.65	45	1.75	R3834SF-001	41705
	T38	550	21.65	45	1.75	T3834SF-001	47974

ATLAS COPCO - COP 1032 HD (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	340	13.38	45	1.75	R3234SF-002	41802

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	340	13.38	55	2.16	R3834SF-004	47933

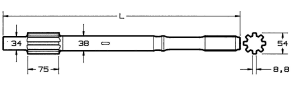
ATLAS COPCO - COP 1036 HB, 1038 HB/HD, 1238 LE/ME/HF

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	485	19.10	38	1.50	R3235SF-002	47971
	R38	485	19.10	38	1.50	R3835SF-002	47815
	T38	485	19.10	38	1.50	T3835SF-002	11085
	R32	500	19.68	38	1.50	R3235SF-003	41764
	R38	500	19.68	38	1.50	R3835SF-003	41779
	T38	500	19.68	38	1.50	T3835SF-003	47827
	R32	590	23.23	38	1.50	R3235SF-007	47891
	R38	590	23.23	38	1.50	R3835SF-007	41706
	T38	590	23.23	38	1.50	T3835SF-007	47884

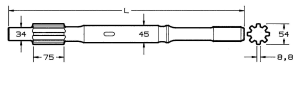
SHANK ADAPTERS



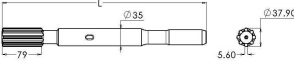
ATLAS COPCO - COP 1038 HL, 1238 ME

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	575	22.62	38	1.50	R3235SF-005	41781
	R38	575	22.62	38	1.50	R3835SF-005	41707
	T38	575	22.62	38	1.50	T3835SF-005	41782

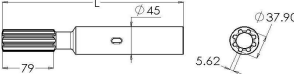
ATLAS COPCO - COP 1036 HB, 1038 HB, 1238 ME/LP

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	500	19.68	45	1.75	T4535SF-004	41763
	R32	575	22.62	45	1.75	R3235SF-006	48946
	R38	575	22.62	45	1.75	R3835SF-006	47852
	T38	575	22.62	45	1.75	T3835SF-006	47982
	T45	575	22.62	45	1.75	T4535SF-006	47892
	T45	590	23.23	45	1.75	T4535SF-008	47883

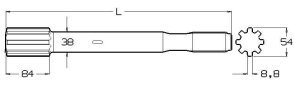
ATLAS COPCO - COP 1132 (MALE)

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

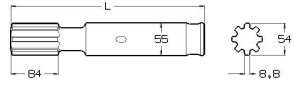
ATLAS COPCO - COP 1132 (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	280	11.02	45	1.75	R 3249S F-001	41862

ATLAS COPCO - COP 1432, 1440, 1838 ME

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	435	17.12	38	1.50	R3236SF-001	47899
	R38	435	17.12	38	1.50	R3836SF-001	47879
	T38	435	17.12	38	1.50	T3836SF-001	47894
	R32	525	20.67	38	1.50	R3236SF-002	47886
	R38	525	20.67	38	1.50	R3836SF-002	48897
	T38	525	20.67	38	1.50	T3836SF-002	48943

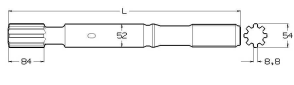
ATLAS COPCO - COP 1432, 1440, 1838 ME (FEMALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	340	13.39	55	2.17	R3242SF-002	48889
	R38	340	13.39	55	2.17	R3842SF-002	48898

SHANK ADAPTERS



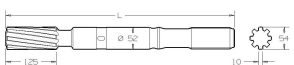
ATLAS COPCO - COP 1550, 1838 HO/ME/HE

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	525	21.25	52	2.05	R3237SF-002	48940
	T38	525	21.25	52	2.05	T3837SF-002	48846
	T45	525	21.25	52	2.05	T4537SF-002	47916
	T51	525	21.25	52	2.05	T5137SF-002	47917

ATLAS COPCO - COP 1550 EX, 1838 MEX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	730	28.74	60	2.36	T3841SF-001	48992
	T45	730	28.74	60	2.36	T4541SF-001	48892

ATLAS COPCO - COP 1840 EX, 1850

	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
	T51	565	22.24	52	2.05	T5143SF-001	48849

ATLAS COPCO - COP 1840 HEX, 1850 EX

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	770	30.31	52	2.05	T4543SF-002	48865
	T51	770	30.31	52	2.05	T5143SF-002	48866

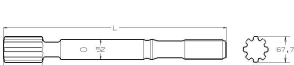
ATLAS COPCO - COP 2160, 2560

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

ATLAS COPCO - COP 2160, 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	41883
	T51	770	30.31	63	2.48	T5147SF-001	41884
	T60 *	770	30.31	63	2.48	T6047SF-001	41885

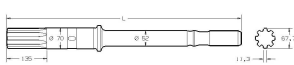
ATLAS COPCO - COP 4050

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	605	23.82	52	2.05	T5140SF-001	48920

SHANK ADAPTERS



ATLAS COPCO - COP 4050 EX

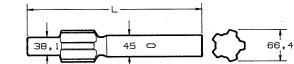
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
		T51	790	31.10	52	2.05	T5139SF-001

BOART

BOART - HD 125, 150 (MALE)

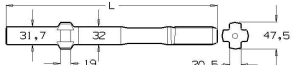
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	495	19.50	45	1.75	R3280SF-001	41818
	R38	495	19.50	45	1.75	R3880SF-001	41796
	T38	495	19.50	45	1.75	T3880SF-001	41803
	T45	495	19.50	45	1.75	T4580SF-001	41708
	R32	572	22.52	45	1.75	R3280SF-002	41850
	R38	572	22.52	45	1.75	R3880SF-002	41879
	T38	572	22.52	45	1.75	T3880SF-002	41835

BOART - HD125, 150 (FEMALE)

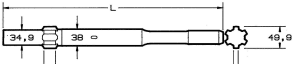
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	343	13.50	45	1.75	R3280SF-003	41816

BOHLER

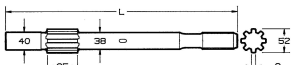
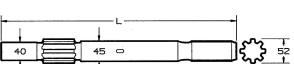
BOHLER - HM 753, HS 432

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	32	1.25	R325008-001	11411
	R32	380	15.00	32	1.25	R325010-001	41768

BOHLER - HS 432 S

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	440	17.32	38	1.5	R38170SF-002	47846
	T38	440	17.32	38	1.5	T38170SF-002	47849
	R32	475	18.70	38	1.5	R32170SF-001	47842

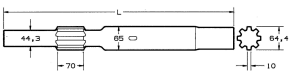
BOHLER - HS 448

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	500	19.69	38	1.5	R32171SF-001	47871
	R38	500	19.69	38	1.5	R38171SF-001	47872
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	500	19.69	38	1.5	T38171SF-001	47873
	T45	500	19.69	45	1.75	T45171SF-002	47874

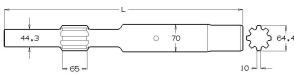
SHANK ADAPTERS



BOHLER - HS 464 (FEMALE)

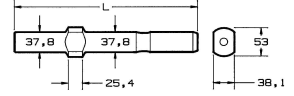
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	625	24.60	65	2.56	T38175SF-001	47829
	T45	625	24.60	65	2.56	T45175SF-001	47830

BOHLER - HS 464 D (FEMALE)

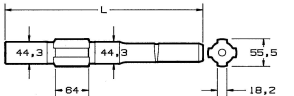
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	625	24.60	70	2.75	T38175SF-003	47936
	T45	625	24.60	70	2.75	T45175SF-003	47935
	T51	625	24.60	70	2.75	T51175SF-003	47925

DEMAG

DEMAG - RD 400

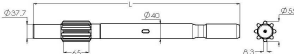
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	330	13.00	38	1.50	R321911-002	11099
	R38	330	13.00	38	1.50	R381911-002	11493
	T38	330	13.00	38	1.50	T381911-002	11497

DEMAG - RD 500

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	45	1.75	R322014-001	41760
	R38	380	15.00	45	1.75	R382014-001	11337
	T38	380	15.00	45	1.75	T382014-001	41761
	T45	380	15.00	45	1.75	T452014-001	41759
	R32	446	17.56	45	1.75	R322014-002	11341
	R38	446	17.56	45	1.75	R382014-002	11338
	T38	446	17.56	45	1.75	T382014-002	11339
	T45	446	17.56	45	1.75	T452016-002	11331

FURUKAWA

FURUKAWA - HD 150

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	520	20.47	40	1.57	R38129SF-001	41893

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FURUKAWA - HD 200, M 120 (4 SPLINE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	45	1.75	R322014-001	41760
	R38	380	15.00	45	1.75	R382014-001	11337
	T38	380	15.00	45	1.75	T382014-001	41761
	T45	380	15.00	45	1.75	T452014-001	41759
	R32	446	17.56	45	1.75	R322014-002	11341
	R38	446	17.56	45	1.75	R382014-002	11338
	T38	446	17.56	45	1.75	T382014-002	11339
	T45	446	17.56	45	1.75	T452016-002	11331

FURUKAWA - HD 260

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	447	17.60	44.3	1.75	R383214-005	11482
	T38	537	21.14	44.3	1.75	T383214-001	11484
	T45	550	21.65	44.3	1.75	T453214-002	11335

FURUKAWA - HD 300

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	655	25.80	45	1.75	R388616-001	41765
	T38	655	25.80	45	1.75	T388616-001	41827
	T45	655	25.80	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	55.8	2.20	T388716-001	48948
	T45	635	25.00	55.8	2.20	T458716-001	48924
	T51	635	25.00	55.8	2.20	T518716-001	48974

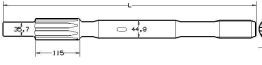
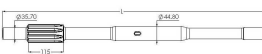
FURUKAWA - HD 609 (STD)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	620	24.40	45	1.75	R38121SF-001	41860
	T38	620	24.40	45	1.75	T38121SF-001	41829
	T45	620	24.40	45	1.75	T45121SF-001	41830

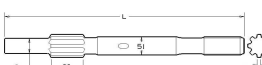
SHANK ADAPTERS



FURUKAWA - HD 609 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	795	31.30	45	1.75	T38121SF-002	41840
	T45	795	31.30	45	1.75	T45121SF-002	41852
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	865	34.06	45	1.75	T38121SF-003	41855

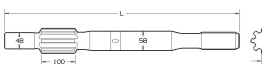
FURUKAWA - HD 612 (STD)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	670	26.38	51	2.00	T45122SF-001	41844
	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	41841
	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
	T45	700	27.56	58	2.28	T45123SF-001	41853
	T51	700	27.56	58	2.28	T51123SF-001	41842

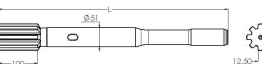
FURUKAWA - HD 615 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	880	34.65	58	2.28	T45123SF-002	48975
	T51	880	34.65	58	2.28	T51123SF-002	48901

FURUKAWA - HD 709 (STD)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	620	24.4	45	1.75	T38130SF-001	41898
	T45	620	24.4	45	1.75	T45130SF-001	41897

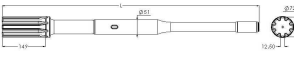
FURUKAWA - HD 712 (STD)

	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	31.1	51	2.00	T45128SF-001	41876

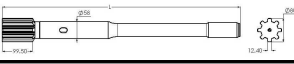
SHANK ADAPTERS



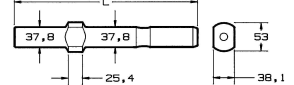
FURUKAWA - HD 712 (QED)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	884	34.8	51	2.00	T38128SF-003	41868
	T45	787	31.00	51	2.00	T45128SF-004	41877
	T45	850	33.47	51	2.00	T45128SF-005	41880

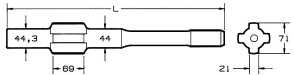
FURUKAWA - HD 715 (STD)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	790	31.1	58	2.28	T51127SF-001	41865

FURUKAWA - 795D, M 110

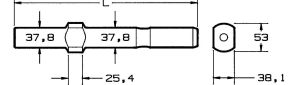
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	330	13.00	38	1.50	R321911-002	11099
	R38	330	13.00	38	1.50	R381911-002	11493
	T38	330	13.00	38	1.50	T381911-002	11497

FURUKAWA - PD 200

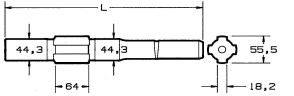
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	484	19.06	44	1.73	T3812614-002	47940
	T45	484	19.06	44	1.73	T4512614-002	41834

GARDNER DENVER

GARDNER DENVER - DH 99, 123

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	330	13.00	38	1.50	R321911-002	11099
	R38	330	13.00	38	1.50	R381911-002	11493
	T38	330	13.00	38	1.50	T381911-002	11497

GARDNER DENVER - PR 123 (4 SPLINE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	45	1.75	R322014-001	41760
	R38	380	15.00	45	1.75	R382014-001	11337
	T38	380	15.00	45	1.75	T382014-001	41761
	T45	380	15.00	45	1.75	T452014-001	41759
	R32	446	17.56	45	1.75	R322014-002	11341
	R38	446	17.56	45	1.75	R382014-002	11338
	T38	446	17.56	45	1.75	T382014-002	11339
	T45	446	17.56	45	1.75	T452016-002	11331

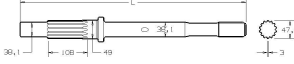
SHANK ADAPTERS



GARDNER DENVER - PR 1000

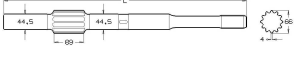
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	585	23.00	45	1.75	R3221SF-001	41709
	R38	585	23.00	45	1.75	R3821SF-001	41710
	T38	585	23.00	45	1.75	T3821SF-001	41711

GARDNER DENVER - HPR 1 (SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	620	24.40	38	1.50	R3222SF-001	41714
	R38	620	24.40	38	1.50	R3822SF-001	41715
	T38	620	24.40	38	1.50	T3822SF-001	41716

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	620	24.40	45	1.75	T3822SF-002	47850
	T45	620	24.40	45	1.75	T4522SF-002	47860

GARDNER DENVER - HPR 1 H (SIDE FLUSH)

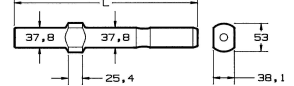
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	725	28.54	45	1.75	R3823SF-001	47922
	T38	725	28.54	45	1.75	T3823SF-001	47953
	T45	725	28.54	45	1.75	T4523SF-001	47923

GARDNER DENVER - HPR 2 H

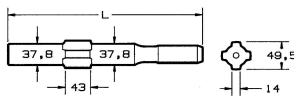
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	915	36.00	51	2.00	T4524SF-001	48863
	T51	915	36.00	51	2.00	T5124SF-001	47924

INGERSOLL RAND

INGERSOLL RAND - DA 45, D 475

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	330	13.00	38	1.50	R321911-002	11099
	R38	330	13.00	38	1.50	R381911-002	11493
	T38	330	13.00	38	1.50	T381911-002	11497

INGERSOLL RAND - YD 90M

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	330	13.00	38	1.50	R321310-001	47837
	R38	330	13.00	38	1.50	R381310-001	48830

SHANK ADAPTERS



INGERSOLL RAND - URD 475S, 550, VL 120, EVL 130, VL 140, F16

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	45	1.75	R322014-001	41760
	R38	380	15.00	45	1.75	R382014-001	11337
	T38	380	15.00	45	1.75	T382014-001	41761
	T45	380	15.00	45	1.75	T452014-001	41759
	R32	446	17.56	45	1.75	R322014-002	11341
	R38	446	17.56	45	1.75	R382014-002	11338
	T38	446	17.56	45	1.75	T382014-002	11339
	T45	446	17.56	45	1.75	T452016-002	11331

INGERSOLL RAND - EVL 130, VL 140 (12 SPLINE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	349	13.74	45	1.75	T381814-001	41849
	T45	349	13.74	45	1.75	T451814-001	48880
	T38	381	15.00	45	1.75	T381814-002	48881
	T45	381	15.00	45	1.75	T451814-002	48882

INGERSOLL RAND - VL 671 (5 SPLINES)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	462	18.19	38.4	1.51	T381216-005	41730
	T45	462	18.19	38.4	1.51	T451216-005	41703
	T38	533	20.98	40	1.57	T381214-001	41718
	T45	533	20.98	40	1.57	T451214-001	41720
	T38	533	20.98	40	1.57	T381219-004	41721
	T45	533	20.98	40	1.57	T451219-004	41722

INGERSOLL RAND - YH 60

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	447	17.60	44.3	1.75	R383214-005	11482
	T38	537	21.14	44.3	1.75	T383214-001	11484
	T45	550	21.65	44.3	1.75	T453214-002	11335

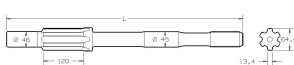
INGERSOLL RAND - YH 65, 70, 75, 80

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	495	19.50	45	1.75	T381419-001	47943
	T45	495	19.50	45	1.75	T451419-001	47954

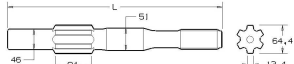
SHANK ADAPTERS



INGERSOLL RAND - YH 65 RP, 70 RP, 75 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 80A

	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

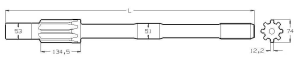
INGERSOLL RAND - YH 80 ARP (REVERSE PERCUSSIVE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	700	27.56	51	2.00	T380819-001	48850
	T45	700	27.56	51	2.00	T450819-001	48851
	T51	700	27.56	51	2.00	T510819-001	48852

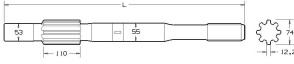
INGERSOLL RAND - YH 95, 1000

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	625	24.61	51	2.00	T451623-001	47949
	T51	625	24.61	51	2.00	T511623-001	47955

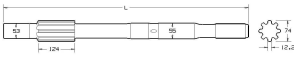
INGERSOLL RAND - YH 95 RP, YH 100 RP (REVERSE PERCUSSIVE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	840	33.07	51	2.00	T451723-001	41832
	T51	840	33.07	51	2.00	T511723-001	47956

INGERSOLL RAND - YH 110 V

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

INGERSOLL RAND - YH 110 VRP, YH 135 RP (REVERSE PERCUSSIVE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	840	33.07	55	2.17	T5109SF-001	48888

SHANK ADAPTERS



JOHN HENRY							
JOHN HENRY (MALE)							
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	690	27.17	64.4	2.54	T38150SF-003	41754
	T45	690	27.17	64.4	2.54	T45150SF-003	41755
	T51	711	28.00	64.4	2.54	T51150SF-003	41756

JOY							
JOY - VCR 260, 360							
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	450	17.72	38	1.50	R387116-006	41813
	T38	450	17.72	38	1.50	T387116-006	47844
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	390	15.35	44	1.73	R387116-004	41769
	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	48918
	T45	440	17.32	44	1.73	T457219-001	47930

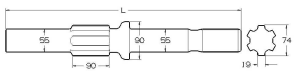
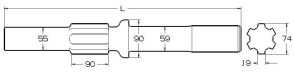
KLEMM							
KLEMM - 4026 / 4053							
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R 55 LI	500	19.69	56	2.2	R5525000-001	41811
	A 55 RE	500	19.69	56	2.2	A5525000-001	41812

KRUPP							
KRUPP - HB 101							
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	690	27.17	64.4	2.54	T38150SF-003	41754
	T45	690	27.17	64.4	2.54	T45150SF-003	41755
	T51	711	28.00	64.4	2.54	T51150SF-003	41756

SHANK ADAPTERS

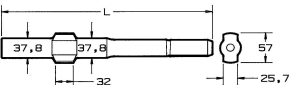


KRUPP - HB 30A / 40A

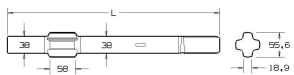
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R 55 LI	580	22.83	55	2.17	R5515300-001	47961
	A 55 RE	580	22.83	55	2.17	A5515300-001	47962
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	C 64 LI	580	22.83	59	2.32		47963

MONTABERT

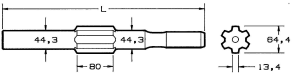
MONTABERT - H 40, 50, 560

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	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

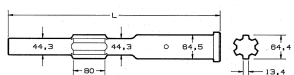
MONTABERT - H 70 (SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	485	19.10	38	1.50	R3294SF-001	41727
	R38	485	19.10	38	1.50	R3894SF-001	48844
	T38	485	19.10	38	1.50	T3894SF-001	41728

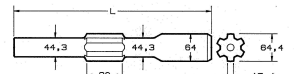
MONTABERT - H 100 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	447	17.60	44.3	1.75	R383214-005	11482
	T38	537	21.14	44.3	1.75	T383214-001	11484
	T45	550	21.65	44.3	1.75	T453214-002	11335

MONTABERT - H 100 (FEMALE - CENTRAL FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	447	17.60	64	2.52	R383214-003	41726
	T38	447	17.60	64	2.52	T383214-003	47809
	T45	447	17.60	64	2.52	T453214-003	41725

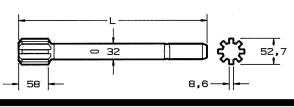
MONTABERT - H 100 (FEMALE - SIDE FLUSH)

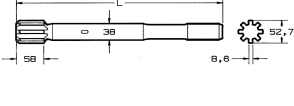
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	537	21.14	64.5	2.54	R3832SF-004	47805
	T38	537	21.14	64.5	2.54	T3832SF-004	47804
	T45	537	21.14	64.5	2.54	T4532SF-004	47814

SHANK ADAPTERS

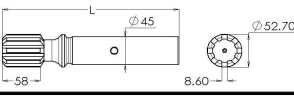


MONTABERT - HC 40

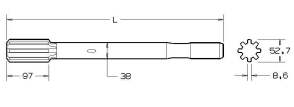
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	372	14.65	32	1.25	R3290SF-004	47938

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R28	372	14.65	38	1.50	R2890SF-005	48976
	R32	372	14.65	38	1.50	R3290SF-005	48977
	R38	372	14.65	38	1.50	R3890SF-005	48817
	R32	440	17.32	38	1.50	R3290SF-003	47986
	R38	440	17.32	38	1.50	R3890SF-003	48848
	T38	440	17.32	38	1.50	T3890SF-003	47985

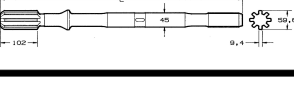
MONTABERT - HC 40 (FEMALE)

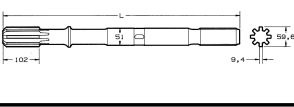
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	270	10.63	45	1.75	R3297SF-001	47941

MONTABERT - HC 80, 90

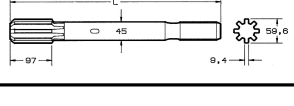
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	440	17.32	38	1.50	R3291SF-001	41895
	R38	440	17.32	38	1.50	R3891SF-001	41797
	T38	440	17.32	38	1.50	T3891SF-001	41824
	R38	500	19.68	38	1.50	R3891SF-002	41815
	T38	500	19.68	38	1.50	T3891SF-002	41787

MONTABERT - HC 80RP, 120RP, 150RP

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	670	26.38	45	1.75	T3893SF-001	48837
	T45	670	26.38	45	1.75	T4593SF-001	41825
	T45	771	30.35	45	1.75	T4593SF-004	48953

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	670	26.38	51	2.00	T4593SF-002	48862
	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 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

		OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	THREAD	mm	in.	mm	in.	USA	AUSTRIA
	T45	810	31.89	60	2.36	T4596SF-001	48994
	T51	810	31.89	60	2.36	T5196SF-001	48995

	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
	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
	T60 *	840	33.07	60	2.36	T6095SF-002	48968
	T51	980	38.58	60	2.36	T5195SF-003	48978
	T60 *	980	38.58	60	2.36	T6095SF-003	48969

		OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	THREAD	mm	in.	mm	in.	USA	AUSTRIA
	T38	770	30.31	45	1.75	T38301SF-001	41861
	T45	770	30.31	45	1.75	T45301SF-001	41866

		OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	THREAD	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

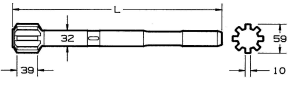
		OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
	THREAD	mm	In.	mm	In.	USA	AUSTRIA
	T51	1040	40.95	60	2.36	T51302SF-001	41900
	ST58	1040	40.95	60	2.36	ST58302SF-001	41901
	T60 *	1040	40.95	60	2.36	T60302SF-001	41902

SHANK ADAPTERS

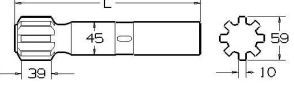


SANDVIK / TAMROCK

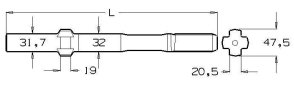
SANDVIK / TAMROCK - HL 300 (MALE)

	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

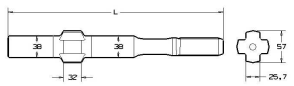
SANDVIK / TAMROCK - HL 300 S (FEMALE)

	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

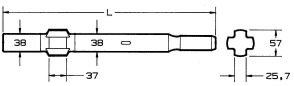
SANDVIK / TAMROCK - L 400, 410, 500, 510

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	32	1.25	R325008-001	11411
	R32	380	15.00	32	1.25	R325010-001	41768

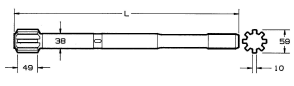
SANDVIK / TAMROCK - HLR 438L / HLR 438T (CENTRAL FLUSH)

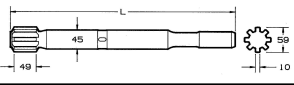
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	38	1.50	R325195-008	41757
	R32	380	15.00	38	1.50	R325113-001	41766
	R38	380	15.00	38	1.50	R385113-001	47847
	T38	380	15.00	38	1.50	T385113-001	47845

SANDVIK / TAMROCK - HLR 438 LS, 438 TS, HL 538, HL 538 L, L 550 S (MALE-SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	450	17.72	38	1.50	R3251SF-002	41772
	R38	450	17.72	38	1.50	R3851SF-002	41777
	T38	460	18.11	38	1.50	T3851SF-009	47856
	R32	495	19.49	38	1.50	R3251SF-003	48870
	R38	495	19.49	38	1.50	R3851SF-003	47857
	T38	495	19.49	38	1.50	T3851SF-003	47858
	T38	545	21.46	38	1.50	T3851SF-010	47995

SANDVIK / TAMROCK - HL 500, 510

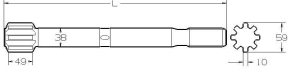
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	550	21.65	38	1.50	R3252SF-002	47945
	R38	550	21.65	38	1.50	R3852SF-002	47895
	T38	550	21.65	38	1.50	T3852SF-002	47881

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	550	21.65	45	1.75	T3852SF-003	41838
	T45	550	21.65	45	1.75	T4552SF-003	48807

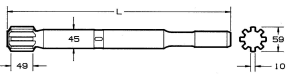
SHANK ADAPTERS



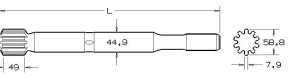
SANDVIK / TAMROCK - HL 500 S

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	450	17.72	38	1.50	R3252SF-001	47909
	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

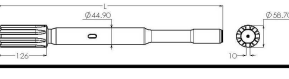
SANDVIK / TAMROCK - HL 550 SUPER M92, 560 SUPER, 510 T

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	500	19.68	45	1.75	R3252SF-004	41837
	R38	500	19.68	45	1.75	R3852SF-004	47977
	T38	500	19.68	45	1.75	T3852SF-004	47976

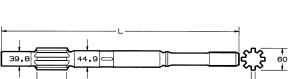
SANDVIK / TAMROCK - HLX5

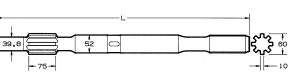
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	500	19.69	44.9	1.75	T3860SF-001	48952
	T38	600	23.62	45	1.75	T3860SF-002	48983
	T45	600	23.62	45	1.75	T4560SF-002	48984

SANDVIK / TAMROCK - HLX5 PE

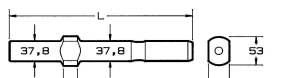
	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	575	22.67	45	1.75	R3261SF-001	41887
	T38	575	22.67	45	1.75	T3861SF-001	41888

SANDVIK / TAMROCK - HL600

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	600	23.62	45	1.75	R3253SF-002	47972
	R38	600	23.62	45	1.75	R3853SF-002	47939
	T38	600	23.62	45	1.75	T3853SF-002	47882
	T45	600	23.62	45	1.75	T4553SF-002	47893

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	650	25.59	52	2.05	T4553SF-005	48843
	T51	650	25.59	52	2.05	T5153SF-005	48806

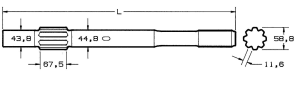
SANDVIK / TAMROCK - L 600

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	330	13.00	38	1.50	R321911-002	11099
	R38	330	13.00	38	1.50	R381911-002	11493
	T38	330	13.00	38	1.50	T381911-002	11497

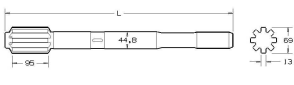
SHANK ADAPTERS



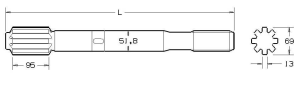
SANDVIK / TAMROCK - HL 645 S, HL 645

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	600	23.62	45	1.75	R3254SF-002	47869
	R38	600	23.62	45	1.75	R3854SF-002	48981
	T38	600	23.62	45	1.75	T3854SF-002	47870
	T45	600	23.62	45	1.75	T4554SF-002	47861

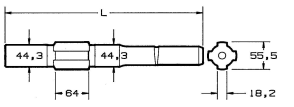
SANDVIK / TAMROCK - HL 660, 700

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T38	600	23.62	45	1.75	T3858SF-001	48877
	T45	600	23.62	45	1.75	T4558SF-001	48876

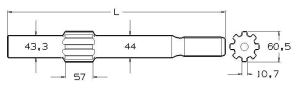
SANDVIK / TAMROCK - HL 700

	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
	T51	600	23.62	52	2.05	T5158SF-002	48900

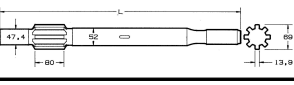
SANDVIK / TAMROCK - TAM 750

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	45	1.75	R322014-001	41760
	R38	380	15.00	45	1.75	R382014-001	11337
	T38	380	15.00	45	1.75	T382014-001	41761
	T45	380	15.00	45	1.75	T452014-001	41759
	R32	446	17.56	45	1.75	R322014-002	11341
	R38	446	17.56	45	1.75	R382014-002	11338
	T38	446	17.56	45	1.75	T382014-002	11339
	T45	446	17.56	45	1.75	T452016-002	11331

SANDVIK / TAMROCK - HL 844

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R38	390	15.35	44	1.73	R387116-004	41769
	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

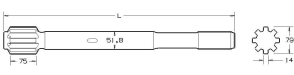
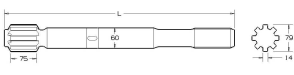
SANDVIK / TAMROCK - HL 850 S (SIDE FLUSH)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	670	26.38	52	2.05	T4555SF-002	41794
	T51	670	26.38	52	2.05	T5155SF-002	47859

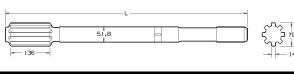
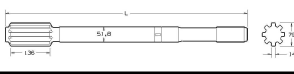
SHANK ADAPTERS



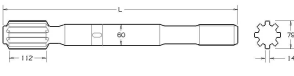
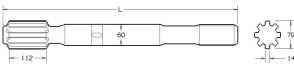
SANDVIK / TAMROCK - HL 1000

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T45	590	23.23	51.8	2.04	T4556SF-002	47896
	T51	590	23.23	51.8	2.04	T5156SF-002	47878
	T45	670	26.38	51.8	2.04	T4556SF-001	47913
	T51	670	26.38	51.8	2.04	T5156SF-001	47926

SANDVIK / TAMROCK - HL 1000 PE

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T51	840	33.07	51.8	2.04	T5156SF-005	48905

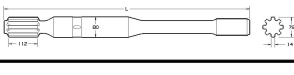
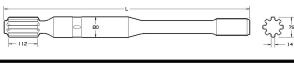
SANDVIK / TAMROCK - HL1500

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T60 *	710	29.5	60	2.36	T6059SF-002	48958
	ST58	710	29.5	60	2.36	ST5859SF-002	48916
	T60 *	760	29.9	60	2.36	T6059SF-004	48860

SANDVIK / TAMROCK - HL 1500 PE

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	ST58	760	29.9	65	2.56	ST5862SF-001	41870
	T60 *	760	29.9	65	2.56	T6062SF-001	48971

SANDVIK / TAMROCK - HL1500 MEGA

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	T60 *	958	37.72	79.8	3.14	T6059SF-001	48813

**SECOMA****SECOMA - HYDRASTAR 200, 300 (MALE-SIDE FLUSH)**

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	485	19.10	38	1.50	R3235SF-002	47971
	R38	485	19.10	38	1.50	R3835SF-002	47815
	T38	485	19.10	38	1.50	T3835SF-002	11085
	R32	500	19.68	38	1.50	R3235SF-003	41764
	R38	500	19.68	38	1.50	R3835SF-003	41779
	T38	500	19.68	38	1.50	T3835SF-003	47827
	R32	590	23.23	38	1.50	R3235SF-007	47891
	R38	590	23.23	38	1.50	R3835SF-007	41706
	T38	590	23.23	38	1.50	T3835SF-007	47884

SECOMA - HYDRASTAR 200, 300 (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	47927

SIG**SIG - HBM 50, PLB 80**

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	32	1.25	R325008-001	11411
	R32	380	15.00	32	1.25	R325010-001	41768

SIG - HBM 100

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	380	15.00	38	1.50	R325195-008	41757
	R32	380	15.00	38	1.50	R325113-001	41766
	R38	380	15.00	38	1.50	R385113-001	47847
	T38	380	15.00	38	1.50	T385113-001	47845

SIG - HBM 100, 120, 150 (MALE)

	THREAD	OVERALL LENGTH (L)		FRONT END DIAMETER		PART NUMBER	
		mm	In.	mm	In.	USA	AUSTRIA
	R32	500	19.69	38	1.50	R32275SF-001	41793
	R38	500	19.69	38	1.50	R38275SF-001	41792
	T38	500	19.69	38	1.50	T38275SF-001	41791