

ROCKHARD



DII

DANISH IMPORT, INC.
www.rockhardtool.com

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Warranty: Danish Import, Inc. warranties, to the original purchaser only, that all of its products will be free of manufacturer's defects in material and workmanship under normal service, proper installation and use. This warranty is limited to repair or replacement of verified defective products and excludes any and all implied warranty of merchantability and all risks and liability whatsoever resulting from any use of said products, including incidental and consequential damages. There are no warranties that extend beyond the description on the face thereof. Danish Import, Inc. / ROCKHARD products are sold only to authorized distributors.



Caution: Cutting tools can shatter and or break under improper or severe use. Wear safety equipment and in particular eye, respiratory and hearing protection, at all times when using our products for drilling, chiseling or cutting in the vicinity of their use. Grinding of carbide may produce dust of a potentially hazardous ingredient. Consult the power tool manuals for proper use of tools.



Drilling, Saw Blades, Fastening Systems, Tools

Danish Import, Inc. was established in 1956 by Helmuth Lyders. He started the business by marketing quality products from his home country, Denmark. In 1990, Pete Lyders took over as President and has expanded Danish Import's market coverage to all of North America and the Caribbean.

Products are provided to our customers in the U.S. utilizing a system of warehouses strategically located across the country. This allows us to provide pick-up or fast UPS delivery of our core products to almost anywhere in the states.

Pete added an Injection Molding Manufacturing Plant in 1985 that produces many of the light duty plastic anchors, boxes and other plastic parts offered by Danish Import.

In 1995, Danish Import launched the ROCKHARD brand for Core Bits and Chisels. Since then we have expanded our product offerings to include other quality products from plants worldwide under the ROCKHARD brand.

It is our commitment to continue to provide our customers with the highest quality products available and the best customer service in the industry today. Thank you for your business.



7 REASONS WHY

ROCKHARD Masonry Drill Bits Are Your Best Value Purchase "COST PER HOLE"

Brazing and Hardening completed in a unique oven process. This guarantees a much higher uniform quality. The brazing is a bronze alloy which withstands heat better than the silver used by many competitive products

Shot Penning strengthens the steel as well as relieves the tension resulting in reduced bit breakage products.



Raw Materials are the Highest Quality Steels

Wide Square Spiral combining a compression channel with a depression chamber for faster drilling speed and longer life

Carbide Point ground for precise starts exactly where you want to drill

Shank Connections to fit over 50 Hammer Drills

New Concrete Breaker Tip

- Self-centering tip for precise starts
- 160° angle for optimum elasticity and wear resistance resulting in longer life
- Maximized chiseling effect and spalling of the concrete





ROCKHARD SDS PLUS HAMMER DRILL BITS

Catalog No.	Dia. Ø	Total Length	Usable Length
JHSDS-400A	5/32" x 4" x 2"		
JHSDS-400B	5/32" x 6" x 4"		
JHSDS-401	3/16" x 4" x 2"		
JHSDS-401A	3/16" x 6" x 4"		
JHSDS-401B	3/16" x 8" x 6"		
JHSDS-401G	3/16" x 12" x 10"		
JHSDS-401C	7/32" x 6" x 4"		
JHSDS-401D	7/32" x 8" x 6"		
JHSDS-401F	7/32" x 16" x 14"		
JHSDS-402	1/4" x 4" x 2"		
JHSDS-403	1/4" x 6" x 4"		
JHSDS-403A	1/4" x 8" x 6"		
JHSDS-403B	1/4" x 12" x 10"		
JHSDS-403C	1/4" x 18" x 16"		
JHSDS-404	9/32" x 4" x 2"		
JHSDS-405	9/32" x 6" x 4"		
JHSDS-406	5/16" x 4" x 2"		
JHSDS-407	5/16" x 6" x 4"		
JHSDS-408	5/16" x 8" x 6"		
JHSDS-408A	5/16" x 12" x 10"		
JHSDS-409	3/8" x 6" x 4"		
JHSDS-410	3/8" x 8" x 6"		
JHSDS-411	3/8" x 12" x 10"		
JHSDS-412	3/8" x 18" x 16"		
JHSDS-412A	3/8" x 24" x 22"		

Catalog No.	Dia. Ø	Total Length	Usable Length
JHSDS-413	7/16" x 6" x 4"		
JHSDS-414	7/16" x 12" x 10"		
JHSDS-415	1/2" x 6" x 4"		
JHSDS-416	1/2" x 8" x 6"		
JHSDS-417	1/2" x 12" x 10"		
JHSDS-418	1/2" x 18" x 16"		
JHSDS-418A	1/2" x 24" x 22"		
JHSDS-419	9/16" x 6" x 4"		
JHSDS-420	9/16" x 12" x 10"		
JHSDS-420A	9/16" x 18" x 16"		
JHSDS-421	5/8" x 6" x 4"		
JHSDS-422	5/8" x 8" x 6"		
JHSDS-423	5/8" x 12" x 10"		
JHSDS-424	5/8" x 18" x 16"		
JHSDS-424A	5/8" x 24" x 22"		
JHSDS-426	11/16" x 8" x 6"		
JHSDS-427	3/4" x 6" x 4"		
JHSDS-428	3/4" x 8" x 6"		
JHSDS-429	3/4" x 12" x 10"		
JHSDS-430	3/4" x 18" x 16"		
JHSDS-431	27/32" x 6" x 4"		
JHSDS-432	7/8" x 12" x 10"		
JHSDS-433	7/8" x 18" x 16"		
JHSDS-434	1" x 12" x 10"		
JHSDS-435	1" x 18" x 16"		



Faster Drilling from new aggressive Carbide Tip which features:

- Self centering for precise starts
- 160 degree angle for optimum elasticity and wear resistance resulting in longer life

Longer Life from:

- Bronze alloy brazing of the carbide tip
- High quality shot-peened steel strengthened to relieve tension and bit breakage
- New wide fluting design flows the dust out of the hole faster thus reducing friction and adding life to the carbide cutting

SDS In Bulk Box of 25

Catalog No.	Dia. Ø	Total Length	Usable Length
JSDSB-450	5/32" x 4" x 2"		
JSDSB-455	5/32" x 6" x 4"		
JSDSB-460	3/16" x 4" x 2"		
JSDSB-465	3/16" x 6" x 4"		
JSDSB-470	3/16" x 8" x 6"		

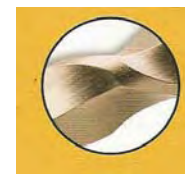
Catalog No.	Dia. Ø	Total Length	Usable Length
JSDSB-475	1/4" x 4" x 2"		
JSDSB-480	1/4" x 6" x 4"		
JSDSB-485	1/4" x 8" x 6"		
JSDSB-490	3/8" x 6" x 4"		
JSDSB-495	1/2" x 6" x 4"		

SDS In Bulk Box of 12

JSDSB-500	5/8" x 6" x 4"
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SDS Drill Bits in Tool Pouch of 9

JHSDS-9SET
• 2 PCS - 1/4" x 4"
• 1 PC - 5/32" x 4", 3/16" x 4", 5/16" x 4", 3/16" x 6", 1/4" x 6", 3/8" x 6", 1/2" x 6"



Square Flute Compression / depression design provides better dust removal thus faster drilling.



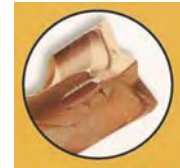
CARBIDE MASONRY DRILL BITS



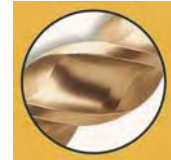
ROCKHARD SDS BOOSTER PLUS HAMMER DRILL BITS

Catalog No.	Dia. Ø	Total Length	Usable Length
JHSDS-202	1/4" x 4"	x 2"	
JHSDS-203	1/4" x 6"	x 4"	
JHSDS-203A	1/4" x 8"	x 6"	
JHSDS-203B	1/4" x 12"	x 10"	
JHSDS-203C	1/4" x 18"	x 16"	
JHSDS-204	9/32" x 4"	x 2"	
JHSDS-205	9/32" x 6"	x 4"	
JHSDS-206	5/16" x 4"	x 2"	
JHSDS-207	5/16" x 6"	x 4"	
JHSDS-208	5/16" x 8"	x 6"	
JHSDS-208A	5/16" x 12"	x 10"	
JHSDS-208C	5/16" x 18"	x 16"	
JHSDS-208D	5/16" x 24"	x 22"	
JHSDS-209	3/8" x 6"	x 4"	
JHSDS-210	3/8" x 8"	x 6"	
JHSDS-211	3/8" x 12"	x 10"	
JHSDS-211C	3/8" x 18"	x 16"	

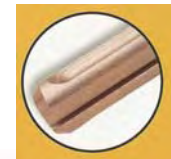
Catalog No.	Dia. Ø	Total Length	Usable Length
JHSDS-211D	3/8" x 24"	x 22"	
JHSDS-215	1/2" x 6"	x 4"	
JHSDS-216	1/2" x 8"	x 6"	
JHSDS-217	1/2" x 12"	x 10"	
JHSDS-217C	1/2" x 18"	x 16"	
JHSDS-217D	1/2" x 24"	x 22"	
JHSDS-219	9/16" x 6"	x 4"	
JHSDS-220	9/16" x 12"	x 10"	
JHSDS-222	5/8" x 8"	x 6"	
JHSDS-223	5/8" x 12"	x 10"	
JHSDS-223C	5/8" x 18"	x 16"	
JHSDS-223D	5/8" x 24"	x 22"	
JHSDS-224	3/4" x 8"	x 6"	
JHSDS-225	3/4" x 12"	x 10"	
JHSDS-225C	3/4" x 18"	x 16"	
JHSDS-225D	3/4" x 24"	x 22"	



Rebar Resistant Centering Point
Chiseling Effect 3 Lateral Supports

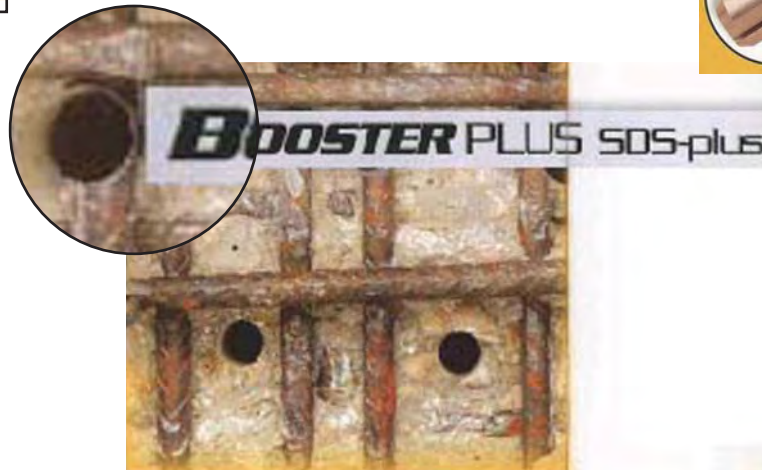


Square Flute 3 Channels
Provides Better Dust Removal
thus Faster Drilling



Designed for the most difficult drilling applications (hard aggregate, high PSI concrete, granite even rebar)

The Booster Plus drill bit can produce up to 1,500 holes versus standard bits that only drill 300 holes



Rotary Hammer Cross Reference For SDS Plus

AEG	B & D	BOSCH	DEWALT	HILTI	HITACHI	KANGO
APH14	5009 5013	11207 11210	504-05K 514K	TE 1, 2, 5, 6, TM 7	DH15VBK	200, 285, 327
PH210	5014 5016	11211 11212	523K 540K	TE 10, 10A, 12	DH150	350, 422, 426
PHE16, 19, 20, 24, 26	5053 5054	11213 11215	556K 557K	TE 14, 15, 16, 17	DH15DVBK VA16	427, 430D
BH 22E, 26LE, 26LXE	5056 5057	11221 11222	562K 563K	TE 18, 24, 25, 35	DH18VBK VRT22	
PN 2200R, RX	005K-2	11224 11225	565-68K 570K	TE/GP22	DH20DV H30PV	
PN 3000 R2 SUPER X2		11228 11234	DW999K 25101K		DH22VB DH24PB2	
PN 3000 SUPER XN2		11236 11239	25103K 25201K		DH22VD DH24PC2	
PN 3000 X2, 3000 XN2	FEIN	11250 11524	25203K 25303K		DH24PB DH24PF	
PN 3500, 3500 X	642, 6372	7557501	25304K 25404K		DH24PC DH25PB	
					DH24PE DH30PC	
MAKITA	METABO	MILWAUKEE	PANASONIC	RAMSET	RYOBI	SKIL
HR160, 1821, 2000	6010, 6011, 6015	5302, 03, 11, 12, 16, 20	EY6812, EY6813	425	ED160, 211, 220, 221	642, 6372, 1740
HR2010, 2400, 2410	6018, 6020, 6021	5322, 24, 59, 60, 61, 62				
HR2420, 2431, 2445	6024, 6026, 6028	5363, 65, 66, 68, 83				
HR2450, 2455, 2511	BHE22, 24, 26, 6015		PORTER CABLE	REDHEAD		
HR3000C	KHE24, 26, 28, 32		639 97765	555, 715		
	UHE22, 28					



ROCKHARD ROTO PERCUSSION STRAIGHT SHANK BITS

Catalog No.	Dia. Ø	Total Length	Shank
JRP-1	1/8" x 3" x 1/8"		
JRP-1A	1/8" x 2-3/8" x 1/8"		
JRP-2	5/32" x 3" x 5/32"		
JRP-2A	5/32" x 6" x 5/32"		
JRP-4	3/16" x 3-1/2" x 3/16"		
JRP-5	3/16" x 6" x 3/16"		
JRP-7	7/32" x 4" x 7/32"		
JRP-8	15/64" x 4" x 15/64"		
JRP-9	1/4" x 4" x 1/4"		
JRP-10	1/4" x 6" x 1/4"		
JRP-11	1/4" x 13" x 1/4"		
JRP-13	1/4" x 20" x 1/4"		
JRP-14	1/4" x 24" x 1/4"		
JRP-16	9/32" x 4" x 1/4"		
JRP-17	9/32" x 6" x 1/4"		
JRP-18	5/16" x 4-3/4" x 5/16"		
JRP-20	5/16" x 6" x 5/16"		
JRP-22	5/16" x 13" x 5/16"		
JRP-26	5/16" x 20" x 5/16"		
JRP-29A	3/8" x 4-1/2" x 3/8"		
JRP-30	3/8" x 6" x 3/8"		
JRP-32	3/8" x 13" x 3/8"		
JRP-36	3/8" x 20" x 3/8"		
JRP-38	3/8" x 24" x 3/8"		

Catalog No.	Dia. Ø	Total Length	Shank
JRP-41	7/16" x 6" x 3/8"		
JRP-45	1/2" x 6" x 1/2"		
JRP-46	1/2" x 6" x 3/8"		
JRP-49	1/2" x 13" x 3/8"		
JRP-55	1/2" x 20" x 3/8"		
JRP-58	1/2" x 24" x 3/8"		
JRP-61	9/16" x 7" x 3/8"		
JRP-63	5/8" x 6" x 3/8"		
JRP-65	5/8" x 13" x 3/8"		
JRP-68	5/8" x 20" x 3/8"		
JRP-69	5/8" x 24" x 1/2"		
JRP-72	3/4" x 6-1/4" x 3/8"		
JRP-74	3/4" x 13" x 3/8"		
JRP-76	3/4" x 20" x 1/2"		
JRP-78	3/4" x 24" x 1/2"		
JRP-80	7/8" x 6-1/4" x 1/2"		
JRP-81	7/8" x 13" x 1/2"		
JRP-83	7/8" x 20" x 1/2"		
JRP-85	1" x 6-1/4" x 1/2"		
JRP-86	1" x 13" x 1/2"		
JRP-88	1" x 20" x 1/2"		
JRP-91	1-1/8" x 13" x 1/2"		
JRP-93	1-1/4" x 13" x 1/2"		

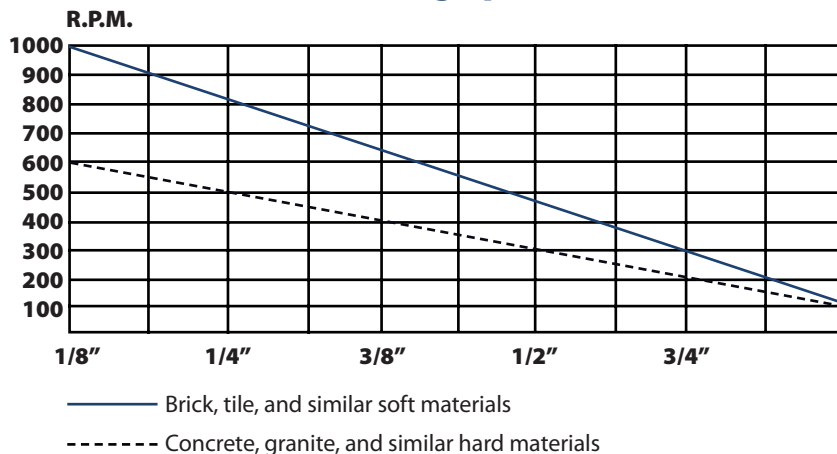
Straight Shank in Bulk Box of 25

Catalog No.	Dia. Ø	Total Length	Shank
JRPB-4A	3/16" x 3-1/2" x 3/16"		
JRPB-5A	3/16" x 6" x 3/16"		
JRPB-9A	1/4" x 4" x 1/4"		
JRPB-10A	1/4" x 6" x 1/4"		
JRPB-30	3/8" x 6" x 3/8"		
JRPB-46	1/2" x 6" x 3/8"		

Straight Shank Sets in Tool Pouches

JRP-SET4	5/32" x 3", 3/16" x 3-1/2", 1/4" x 4-1/4", 1/4" x 6", 5/16" x 4-3/4", 3/8" x 4 1/2", 1/2" x 6-3/4"
JRP-SET6	5/32" x 6", 3/16" x 6", 1/4" x 4-1/4", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6-3/4"

Recommended Drilling Speeds

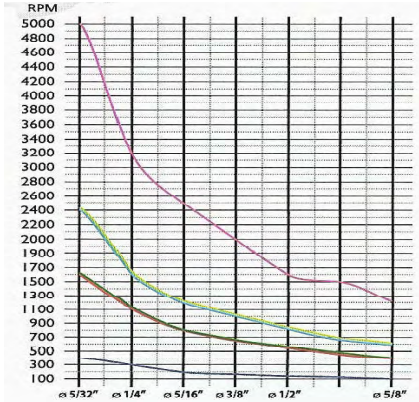


- Straight shank bits for professional use in 3-Jaw chuck drills
- The correct bit for drilling brick, concrete, cinder block, stone, etc.
- Large program in industrial finish
- Diamond ground tungsten carbide tip is copper brazed.
- Heat resistant up to 1,800 degrees Fahrenheit
- Produced according to ANSI standards
- Manufactured with a 15 degree negative grind to reduce carbide chipping



ROCKHARD MULTI-PURPOSE DRILL BITS

Catalog No.	Dia. Ø	Total Length	Shank
JPLUS-1A	1/8" x	2-1/2" x	7/64"
JPLUS-1	5/32" x	3" x	5/32"
JPLUS-2	3/16" x	3-1/2" x	3/16"
JPLUS-3	1/4" x	4-1/8" x	1/4"
JPLUS-5	5/16" x	4-3/4" x	5/16"
JPLUS-6	3/8" x	6" x	3/8"
JPLUS-7	1/2" x	6-3/4" x	1/2"
JPLUS-7A	5/8" x	6-3/8" x	3/8"
JPLUS-5SET	1/8", 5/32", 3/16", 1/4", 5/16"		



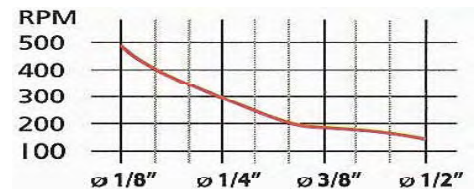
- Drills through brick, block, marble, wood, hard tiles, ceramics, sheet metal, cast iron, plastics & aluminum
- With Percussion to drill hard and solid materials (concrete, brick....) Without Percussion / **Rotation only** for porcelain, slate, ceramics, marble, steels and cast iron
- Centered point for easy start up and to eliminate the bit from walking across smooth surfaces
- "L" shaped flute for fast dust removal, thus preventing premature wear and overheating

ROCKHARD GLASS / TILE DRILL BITS

Catalog No.	Dia. Ø	Total Length
GB-1	1/8" x	2-1/2"
GB-2	3/16" x	2-1/2"
GB-3	1/4" x	2-1/2"
GB-4	5/16" x	2-3/4"
GB-5	3/8" x	3-1/8"
GB-6	1/2" x	3-1/8"



- Drills through tile and glass under **"Rotation Only"** with water lubrication
- Sharpening of an ogival point allows for a precise hole to be started without the bit walking
- The "Aspic tongue" shape allows you to progressively determine the desired diameter

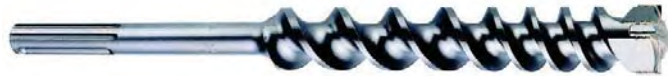


ROCKHARD BLUE CERAMIC TILE DRILL BITS

Catalog No.	Dia. Ø	Total Length
BCT-1	1/8" x	2-1/2"
BCT-3	5/32" x	3"
BCT-5	3/16" x	3-1/2"
BCT-7	1/4" x	4"
BCT-9	5/16" x	5"
BCT-11	3/8" x	5"



- Excellent for drilling in ceramics, stone, plaster, brick, granite, concrete and glass
- Use in Rotation on glazed surface then in light Percussion in the sub substrate
- Wear resistant, ground carbide tip with tumbled edges for long life
- "L" shaped flute for fast dust removal, thus preventing premature wear and overheating



ROCKHARD SDS MAX HAMMER DRILL BITS

Catalog No.	Dia. Ø	Total Length	Usable Length
JHHM-300A	1/2" x	13" x	8"
JHHM-300G New	1/2" x	21" x	16"
JHHM-300D	9/16" x	13" x	8"
JHHM-300H New	9/16" x	21" x	16"
JHHM-300	5/8" x	13" x	8"
JHHM-301	5/8" x	16" x	11"
JHHM-302	5/8" x	21" x	16"
JHHM-302C	5/8" x	36" x	31"
JHHM-302D New	11/16" x	21" x	16"
JHHM-303	3/4" x	13" x	8"
JHHM-304	3/4" x	16" x	11"
JHHM-305	3/4" x	21" x	16"
JHHM-305C	3/4" x	36" x	31"
JHHM-309	7/8" x	13" x	8"
JHHM-310	7/8" x	16" x	11"
JHHM-311	7/8" x	21" x	16"

Catalog No.	Dia. Ø	Total Length	Usable Length
JHHM-312	1" x	13" x	8"
JHHM-313	1" x	16" x	11"
JHHM-314	1" x	21" x	16"
JHHM-315	1" x	36" x	31"
JHHM-317	1-1/8" x	17" x	12"
JHHM-318	1-1/8" x	23" x	18"
JHHM-320	1-1/4" x	15" x	10"
JHHM-322	1-1/4" x	23" x	18"
JHHM-322C	1-1/4" x	36" x	31"
JHHM-324	1-3/8" x	17" x	12"
JHHM-325	1-3/8" x	23" x	18"
JHHM-326	1-1/2" x	17" x	12"
JHHM-327	1-1/2" x	23" x	18"
JHHM-328	1-3/4" x	23" x	18"
JHHM-329	2" x	23" x	18"

*1/2" and 9/16" SDS Max are 2-Cutter. 5/8" to 2" are 4-Cutter

Rockhard SDS Max and Spline 4 Cutter Designs

- Offers up to 50% longer life
- Less vibration for reduced stress on the drill motor and operator
- Produces a rounder hole which will maximize anchoring pull out values
- Resists rebar jamming that can cause bit breakage



Rotary Hammer Cross Reference for SDS Max

AEG	B & D	BOSCH	DEWALT	HILTI	HITACHI	KANGO	MAKITA	METABO	MILWAUKEE	WACKER
PN 11E	5097	11214 11216	540 K	TE-F 52, 60, 72, 92	H60MA	710, 760	HR4000C	6045	5308, 13-15,	EHB-7SM
PN 4000E	5099	11223 11226	541 K	TE-Y 54, 55, 56	H60MB	800, 810	HR4500C	KHE 55	42, 46	EHB11BLM
		11227 11230	545 K	TE-Y 74, 75, 76	DH40MA	850, 900	HR5001C	KHE 75		EHB9BLM
		11231 11233	25500 K	TE 505, 705, 706	DH40MB	1400		KHE 95		
		11235 11240	25600 K		DH40MR					
		11241 11245			DH50MB					
		11309 11311-14								
		11316-18								

Copyright Notices

- AEG® - AEG Power Corp • B & D® - Black & Decker Manufacturing Co • BOSCH® - Robert Bosch Corporation • DEWALT® - DEWALT Industrial Tool Co
- FEIN® - C & E FEIN GMBH • HILTI® - Hilti Corporation • HITACHI® - Hitachi Corporation • KANGO® - Kango LTD • MAKITA® - Makita Corporation
- METABO® - Metabo Power Tool Corporation • MILWAUKEE® - Milwaukee Electric Tool Corp. • PANASONIC® - Panasonic Corporation
- PORTER CABLE® - Porter Cable Corporation • RAMSET® - Ramset Fastening Systems • RED HEAD® - ITW Ramset Red Head
- RYOBI® - Ryobi Power Tool Corporation • SKIL® - Skil Corporation • WACKER® - Wacker Corporation

CARBIDE MASONRY DRILL BITS



ROCKHARD SPLINE TWO AND FOUR CUTTER HAMMER BITS

Catalog No. Spline 2-Cutter	Dia. Ø	Total Length	Useable Length	Catalog No. Spline 4-Cutter
JHSPL-501	3/8" x	8" x	3"	
JHSPL-502	3/8" x	13" x	8"	
JHSPL-502A New	3/8" x	16" x	11"	
JHSPL-503	1/2" x	13" x	8"	
JHSPL-504	1/2" x	16" x	11"	
JHSPL-504A	1/2" x	23" x	18"	
JHSPL-504C New	1/2" x	27" x	22"	
JHSPL-504B	1/2" x	36" x	31"	
JHSPL-505A	9/16" x	13" x	8"	
JHSPL-505B	9/16" x	23" x	18"	
JHSPL-505C New	9/16" x	27" x	22"	
	5/8" x	11" x	6"	JSPLX-604 New
JHSPL-505	5/8" x	13" x	8"	
JHSPL-506	5/8" x	16" x	11"	JSPLX-606
JHSPL-506A	5/8" x	23" x	18"	JSPLX-606A
	5/8" x	27" x	22"	JSPLX-606B New
	5/8" x	36" x	31"	JSPLX-606C
	11/16" x	16" x	11"	JSPLX-606D New
	3/4" x	11" x	6"	JSPLX-606E New
JHSPL-506B	3/4" x	13" x	8"	
JHSPL-507	3/4" x	16" x	11"	JSPLX-607
JHSPL-508	3/4" x	23" x	11"	JSPLX-608
	3/4" x	36" x	31"	JSPLX-608C
JHSPL-509	7/8" x	16" x	11"	JSPLX-609
JHSPL-510	7/8" x	23" x	18"	JSPLX-610
JHSPL-510A	1" x	13" x	8"	
JHSPL-511	1" x	16" x	11"	JSPLX-611
JHSPL-512	1" x	23" x	18"	JSPLX-612
	1" x	36" x	31"	JSPLX-613C
JHSPL-514	1-1/8" x	16" x	11"	JSPLX-614
JHSPL-515	1-1/8" x	23" x	18"	JSPLX-615
JHSPL-516	1-1/4" x	16" x	11"	JSPLX-616
JHSPL-517	1-1/4" x	23" x	18"	JSPLX-617
	1-1/4" x	36" x	31"	JSPLX-617C
JHSPL-518	1-3/8" x	16" x	11"	JSPLX-618
	1-3/8" x	23" x	18"	JSPLX-619
JHSPL-520	1-1/2" x	16" x	11"	
JHSPL-521	1-1/2" x	23" x	18"	JSPLX-621
JHSPL-521C	1-3/4" x	23" x	18"	JSPLX-621C
JHSPL-523	2" x	23" x	18"	JSPLX-623







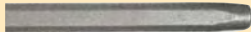




Rotary Hammer Cross Reference for Spline

AEG	B & D	BOSCH	DEWALT	HITACHI	KANGO	MAKITA	METABO	MILWAUKEE	RAMSET	REDHEAD	RYOBI	WACKER
PH38	5018 5041	11202 11203	530K	DH38YE	430, 501,	HR3851	RH66,	5309, 11, 12,	442, 445,	747-2	ED382P,	EBH7
PHA38	5042	11204 11205	531K	DH38YF	637	HR4040C	RH99	16-19, 21	475		ER382,	EBH11BLS
PHD26	5043 5044	11209 11214	532K	DH40FA	638, 750,	HR5000	1129	5340-45, 47,			PK382	
PHD38	5045	11219 11220	533K	DH40FB	800		1130	48,52,53				
PH240	5049 5059	11232 11233	25550K	DH40FR	810, 850,		6030					
PH350	5093	11244E 11247	25551K	DH50SBK	950		6040					
	5095 5096	11248	25650K		987		6046					
	5098											
	50593											
	50595											

ROCKHARD STEEL POINTS & CHISELS FOR ELECTRIC HAMMERS



Description	Total Length	Spline Catalog #	3/4" Hex Catalog #	SDS MAX Catalog #	SDS Plus Catalog #
 Bull Point	10"				BP10-200
	12"	CBP12-1	CBP12-40	BX12-100	
	16"	CBP18-5	CBP18-45	BX18-105	
 Flat Chisel	3/4" x 10"				FL10-205
	1" x 12"	CFL12-10	CBL12-50	FX12-110	
	1" x 16"	CFL18-15	CBL18-55	FX18-115	
 Scaler	1 1/2" x 10"				SC10-210
	2" x 12"	CSC12-20	CSC12-60	SX12-125	
	3" x 12"			SX12-135	
 Slotting Tool	1-1/8" x 12"	CST12-25	CST12-65	SXT12-140	
 Mortar Seam Tool	15"	CMS15-30	CMS15-70	SXM15-145	
 Ground Rod Driver	5/8 or 3/4 x 10-1/2"	CGR10-40	CGR10-80	SXG10-155	
 Bush Tool Stem	8"			BXS8-165	
 Bush Tool Head	1-1/2"			BXH16-170	
 1 pc Bushing Tool	16pt. x 10"	BT-25	BT-65	BTX-130	

- Chisels are produced from the highest quality steels
- Shot peened surface treatment relieves stresses to prevent breakage
- Forged to maintain molecular structure for longer service life

CARBIDE TIPPED CORE DRILL BITS



ROCKHARD ONE PIECE CORE BITS FOR ELECTRIC HAMMERS



Catalog No.	Dia. Ø	Total Length	Usable Length
CB-200	1-1/2" x	12" x	7"
CB-210	1-1/2" x	22" x	17"
CB-215	2" x	12" x	7"
CB-220	2" x	22" x	17"
CB-225	2-1/2" x	12" x	7"
CB-230	2-1/2" x	22" x	17"
CB-235	3" x	12" x	7"
CB-240	3" x	22" x	17"
CB-245	3-1/2" x	12" x	7"
CB-250	3-1/2" x	22" x	17"
CB-255	4" x	12" x	7"
CB-260	4" x	22" x	17"
CB-265	5" x	12" x	7"
CB-270	5" x	22" x	17"
SB-434	Starting-Bit 4 3/4"		
EK-500	Ejector-Key		



2-5/8" Maximum Drilling Depth

Catalog No.	Dia. Ø	Total Length	Usable Length
CB-300	1-1/2" x	12" x	7"
CB-310	1-1/2" x	22" x	17"
CB-315	2" x	12" x	7"
CB-320	2" x	22" x	17"
CB-325	2-1/2" x	12" x	7"
CB-330	2-1/2" x	22" x	17"
CB-335	3" x	12" x	7"
CB-340	3" x	22" x	17"
CB-345	3-1/2" x	12" x	7"
CB-350	3-1/2" x	22" x	17"
CB-355	4" x	12" x	7"
CB-360	4" x	22" x	17"
CB-365	5" x	12" x	7"
CB-370	5" x	22" x	17"
SB-434	Starting-Bit 4 3/4"		
EK-500	Ejector-Key		

One Piece Core Bits offer greater strength and deliver more power transmission for increased coring speed.

Recommended for use in non-reinforced masonry.

Chiseling Hammer Cross Reference for SDS Plus

AEG	B & D	BOSCH	DEWALT	HILTI	HITACHI	KANGO	MAKITA	METABO
APH14, PH210, PHE 16, 19, PHE 20, 24, 26, PM 3	5009 5013 5014 5016 5053 5054 5056 5057	11207 11210 11211 11212 11213 1215 11221 11222 11224 11228 11236 11320	514K 523K 557K 566K 567K 570K 25103K 25203K 25303K 25304K 25404K	TE 6C, TE 6S TE 15C, 24, 25 TE 104	DH22VB VR16 DH22VD VRT22 DH24PC H30PV DH24PE DH24PC2 DH24PF DH30PC	200 285 327 422 426 430D	HR160, 1821, HR2000 2400, HR2450, 2455 HR2511 3000C RAMSET 425	6010, 6018, 6020, 6024, 6026, KHE24, 26, 32 UHE22, 28
	FEIN		MILWAUKEE		PORTER CABLE		REDHEAD	RYOBI
	642, 6372		5302, 03, 11, 12, 20 5324, 59, 60		639 97765		555, 715	ED160, 211, 220, 221

Chiseling Hammer Cross Reference for Spline

AEG	B & D	BOSCH	DEWALT	HITACHI	KANGO	MAKITA	METABO	MILWAUKEE
PH38 PHD26 PHD38 PM10E	5018 5041 5042 5043 5044 5045 5049 5059 5093 5095 5096 5098	11202 11203 11204 11205 11209 11214 11219 11220 11232 11233 11244E 11247 11248 11306 11307 11310 11314 11387	530K 531K 532K 533K 25550K 25551K 25650K	DH38YE DH40FA DH40FB DS50SB H45SB H45FRV DH65	430S 501S, 637S 638S 750S 950S 978S	HM0810B HR3851 HR4040C HR5000 HM1242C	RH66, RH99 1129 1130 6030 6040, 6046	5309, 16, 17, 19, 27 5334, 36, 40, 41, 43 5344, 45, 47, 48, 52 5353
					RAMSET	REDHEAD	RYOBI	WACKER
					442, 445 475	747-2	ED382 ER382	EHB 7S, EHB11BLS EHB11/115

Chiseling Hammer Cross Reference for SDS Max

AEG	B & D	BOSCH	DEWALT	HILTI	HITACHI	KANGO	MAKITA	METABO	MILWAUKEE
PN 11E PN 4000E PN 5000E	5097 5099	11214 11216 11223 11227 11230 11231 11235 11240 11241 11245 11309 11311 11312 11313 11316 11318 11388 GSH11E	541K 545K 25500K 25550K 25600K 25900K	TE-F 52, 60, 72, 92 TE-Y 54, 55, 56 TE-Y 74, 75, 76 TE 505, 705, 706	H60MA DH40MA H60MB DH50MB H45MR DH40MR H45MA DH40MB	710, 760 800, 810 850, 900 1400	HM1100C HM1202C HR4000C HR4500C HR5001C	6045 KHE 55 KHE 75 KHE 95	5308, 13 - 15 5339, 42, 46 WACKER EHB-75M, EHB11BLM EH9BLM

Chiseling Hammer Cross Reference for 3/4" Hex

	BOSCH	DEWALT	HITACHI	KANGO	MAKITA	MILWAUKEE	WACKER
	11301 11302 11305 11317	5021K 568K	H55SC	700B 900B 900S 928B 1400B	HM1211B	5337, 5338	EH9BL EHB11BL

ROCKHARD A-TAPER HAMMER DRILL BITS



Catalog No.	Dia. Ø	Total Length	Usable Length
JHA-1	3/16" x 4" x 2"		
JHA-3	1/4" x 4" x 2"		
JHA-4	1/4" x 6" x 4"		
JHA-7	5/16" x 6" x 4"		
JHA-9	3/8" x 6" x 4"		
JHA-10	3/8" x 9" x 7"		
JHA-11	3/8" x 12" x 10"		
JHA-12	3/8" x 20" x 18"		
JHA-16	1/2" x 6" x 4"		
JHA-17	1/2" x 9" x 7"		

Catalog No.	Dia. Ø	Total Length	Usable Length
JHA-18	1/2" x 12" x 10"		
JHA-19	1/4" x 20" x 18"		
JHA-23	5/8" x 5" x 3"		
JHA-24	5/8" x 9" x 7"		
JHA-25	5/8" x 12" x 10"		
JHA-26	5/8" x 18" x 16"		
JHA-30	3/4" x 9" x 7"		
JHA-31	3/4" x 12" x 10"		
JHA-32	3/4" x 18" x 16"		
JHA-34	7/8" x 5" x 3"		

ROCKHARD ADAPTERS

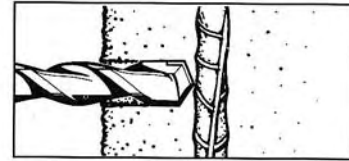
JAD-812A SDS Plus to A-Taper Adapter	
JAD-815A Spline to A-taper Adapter	
JAD-857A SDS MAX to A-Taper Adapter	
JAD-815H Spline to H-SDS + Adapter	
JAD-857H SDS MAX to H-SDS + Adapter	
JAD-840S SDS MAX to Spline Adapter	
JAD-845X Spline to SDS MAX Adapter	

ROCKHARD REBAR CUTTERS



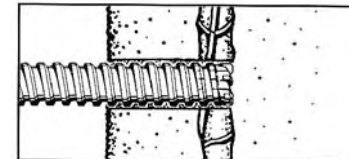
Catalog No.	Dia. Ø	Total Length	Recommended RPM
DRB-6	3/8"	x 8"	850-1200
DRB-8	1/2"	x 12"	850-1200
DRB-9	9/16"	x 12"	850-1200
DRB-10	5/8"	x 12"	750-1000
DRB-1018	5/8"	x 18"	750-1000
DRB-11	11/16"	x 12"	750-1000
DRB-12	3/4"	x 12"	600-850
DRB-1218	3/4"	x 18"	600-850
DRB-13	13/16"	x 12"	600-850
DRB-14	7/8"	x 12"	600-850
DRB-16	1"	x 12"	500-750
DRB-18	1-1/8"	x 12"	500-750
DRB-20	1-1/4"	x 12"	450-600
DRB-22	1-3/8"	x 12"	450-600
DRB-24	1-1/2"	x 12"	350-500
DRB-28	1-3/4"	x 12"	350-500
DRB-32	2"	x 12"	350-500
DRB-40	2-1/2"	x 12"	350-500

Stop drilling when rebar is encountered.

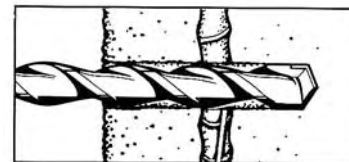


Load a rebar cutter of the same diameter as the hole in a 1/2" drill motor.

Rotary only



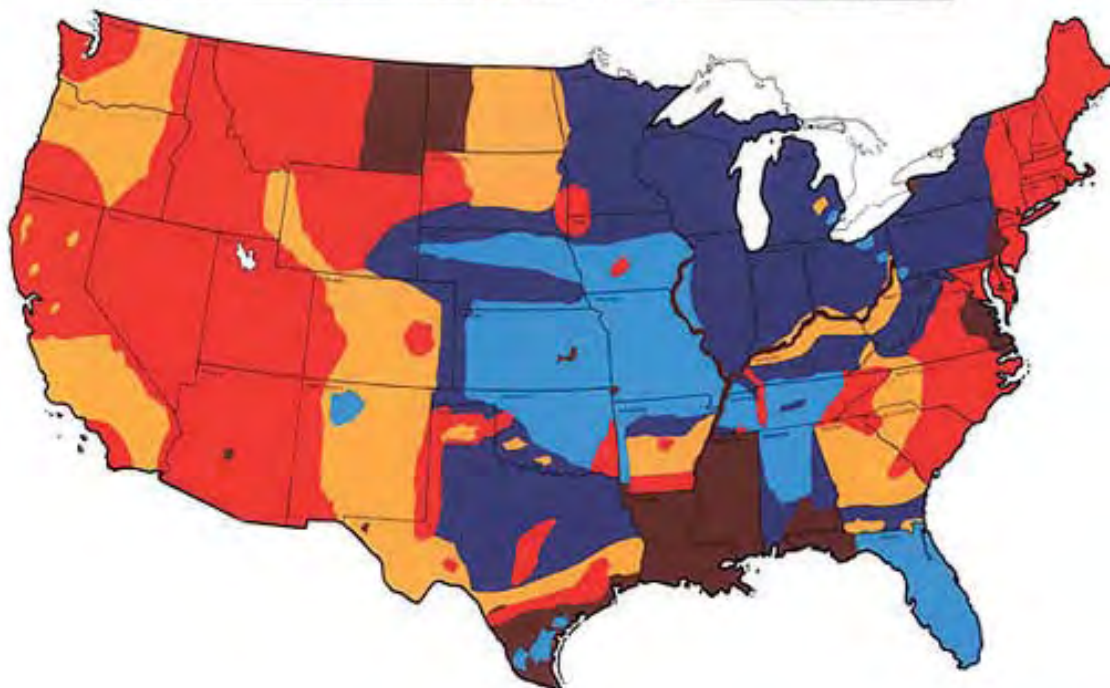
Remove the rotary rebar cutter after the rebar has been drilled completely through and finish drilling the hole with the rotary hammer and hammer bit.



Helpful Application Tips:

- Designed for use in standard 1/2" drill motor with 3-jaw chuck
- Must be used in **Rotation Mode Only**: Percussion (hammer mode) will damage the tool
- Low RPM's best, use ample operator pressure, remove steel "slug" from hole or rebar cutter, dry-cut recommended
- Sizes 7/8" through 1-3/4" have a 1/2" - 13 thread size; 2" and 2-1/2" have a 3/4" - 10" thread size
- **Caution:** Rebar Cutters are designed to be problem solvers. Hole performance can vary greatly depending on the application and how the rebar is encountered. **They should not be used for drilling concrete. Rebar Cutters are not warranted for repair or replacement.**

AGGREGATE CLASSIFICATION MAP of the UNITED STATES



ROCKHARD JOBBER TWIST DRILLS



BLACK OXIDE 118°

- Drills in Wood, Steel, Plastic, Cast Iron & other materials
- 118 Degree Starts Cutting Immediately
- High Quality M7 High Speed Steel
- High Temperature, Black Oxide Wear Resistant Surface Treatment
- Bulk packaged in Polybags, Individually in Vinyl Sleeves or Sets



Made in the USA

BLACK OXIDE 135°

- Drills in Wood, Steel, Plastic, Cast Iron & other materials
 - 135 Degree Self Starting Split Point Eliminates Need for Center Punch
 - High Quality M2 High Speed Steel
 - High Temperature, Black Oxide Wear Resistant Surface Treatment
 - Ideal for Drilling Carbon or Alloy Steels
 - Bulk packaged in Polybags, Individually-Vinyl Sleeves or Sets
- Imported**

Jobbers Length Black Oxide 118° Point	
BULK DII #	SLEEVES DII #
JHSTD-1	JHSTD-1C
JHSTD-2	JHSTD-2C
JHSTD-3	JHSTD-3C
JHSTD-4	JHSTD-4C
JHSTD-5	JHSTD-5C
JHSTD-6	JHSTD-6C
JHSTD-7	JHSTD-7C
JHSTD-8	JHSTD-8C
JHSTD-9	JHSTD-9C
JHSTD-10	JHSTD-10C
JHSTD-11	JHSTD-11C
JHSTD-12	JHSTD-12C
JHSTD-13	JHSTD-13C
JHSTD-14	JHSTD-14C
JHSTD-15	JHSTD-15C
JHSTD-16	JHSTD-16C
JHSTD-17	JHSTD-17C
JHSTD-18	JHSTD-18C
JHSTD-19	JHSTD-19C
JHSTD-20	JHSTD-20C
JHSTD-21	JHSTD-21C
JHSTD-22	JHSTD-22C
JHSTD-23	JHSTD-23C
JHSTD-24	JHSTD-24C
JHSTD-25	JHSTD-25C
JHSTD-26	JHSTD-26C
JHSTD-27	JHSTD-27C
JHSTD-28	JHSTD-28C
JHSTD-29	JHSTD-29C

DESCRIPTION		
Dia. Ø	Total Length	Useable Length
1/16" x	1-7/8" x	7/8"
5/64" x	2" x	1"
3/32" x	2-1/4" x	1-1/4"
7/64" x	2-5/8" x	1-1/2"
1/8" x	2-3/4" x	1-5/8"
9/64" x	2-7/8" x	1-3/4"
5/32" x	3-1/8" x	2"
11/64" x	3-1/4" x	2-1/8"
3/16" x	3-1/2" x	2-5/16"
13/64" x	3-5/8" x	2-7/16"
7/32" x	3-3/4" x	2-1/2"
15/64" x	3-7/8" x	2-5/8"
1/4" x	4" x	2-3/4"
17/64" x	4-1/8" x	2-7/8"
9/32" x	4-1/4" x	2-15/16"
19/64" x	4-3/8" x	3-1/16"
5/16" x	4-1/2" x	3-3/16"
21/64" x	4-5/8" x	3-5/16"
11/32" x	4-3/4" x	3-7/16"
23/64" x	4-7/8" x	3-1/2"
3/8" x	5" x	3-5/8"
25/64" x	5-1/8" x	3-3/4"
13/32" x	5-1/4" x	3-7/8"
27/64" x	5-3/8" x	3-15/16"
7/16" x	5-1/2" x	4-1/16"
29/64" x	5-5/8" x	4-3/16"
15/32" x	5-3/4" x	4-5/16"
31/64" x	5-7/8" x	4-3/8"
1/2" x	6" x	4-1/2"

Jobbers Length Black Oxide 135° Split Point	
BULK DII #	SLEEVES DII #
JHSB-1	JHSB-1C
JHSB-2	JHSB-2C
JHSB-3	JHSB-3C
JHSB-4	JHSB-4C
JHSB-5	JHSB-5C
JHSB-6	JHSB-6C
JHSB-7	JHSB-7C
JHSB-8	JHSB-8C
JHSB-9	JHSB-9C
JHSB-10	JHSB-10C
JHSB-11	JHSB-11C
JHSB-12	JHSB-12C
JHSB-13	JHSB-13C
JHSB-14	JHSB-14C
JHSB-15	JHSB-15C
JHSB-16	JHSB-16C
JHSB-17	JHSB-17C
JHSB-18	JHSB-18C
JHSB-19	JHSB-19C
JHSB-20	JHSB-20C
JHSB-21	JHSB-21C
JHSB-22	JHSB-22C
JHSB-23	JHSB-23C
JHSB-24	JHSB-24C
JHSB-25	JHSB-25C
JHSB-26	JHSB-26C
JHSB-27	JHSB-27C
JHSB-28	JHSB-28C
JHSB-29	JHSB-29C

Bulk and Sleeve Packaging: Sizes 1/16" - 9/32" are packaged 10 bits per pkg. Other sizes 5 bits per pkg.

Jobbers Length Twist Drill Bit Sets 118° Black Oxide	
JHSTD-S13	13 Pc. 1/16 thru 1/4 by 64ths
JHSTD-S15	15 Pc. 1/16 thru 1/2 by 32nds
JHSTD-S29	29 Pc. 1/16 thru 1/2 by 64ths

Packaged in Metal Index Box



Jobbers Length Twist Drill Bit Sets 135° Black Oxide	
JHSB-S13	13 Pc. 1/16 thru 1/4 by 64ths
JHSB-S15	15 Pc. 1/16 thru 1/2 by 32nds
JHSB-S29	29 Pc. 1/16 thru 1/2 by 64ths

JOBBER LENGTH DRILL BITS



ROCKHARD JOBBER TWIST DRILLS



BLACK and GOLD 135°

- Drills for "Heavy Duty Applications" in Steel.
- 135 Degree Self Starting Split Point Eliminates Need for Center Punch
- High Quality M7 High Speed Steel
- Black and Gold Oxide Surface Treatment Allows Cooler Cutting and Adds Lubricity
- Ideal for Drilling Carbon or Alloy Steels
- Bulk packaged in Polybags, Individually in Vinyl Sleeves or Sets



Made in the USA

COBALT 135°



Made in the USA

- Designed to Withstand Heat when Drilling Stainless Steel and other Hard Abrasive Materials
- 135 Degree Self Starting Split Point Eliminates Need for Center Punch
- High Quality M42 High Speed Steel (Rockwell Hardness 66 - 68)
- Gold Oxide Surface Treatment Allows for Cooler Cutting and Adds Lubricity
- Bulk packaged in Polybags, Individually in Vinyl Sleeves or Sets

Jobbers Length Black & Gold 135° Split Point	
BULK DII #	SLEEVES DII #
JHSGB-1	JHSGB-1C
JHSGB-2	JHSGB-2C
JHSGB-3	JHSGB-3C
JHSGB-4	JHSGB-4C
JHSGB-5	JHSGB-5C
JHSGB-6	JHSGB-6C
JHSGB-7	JHSGB-7C
JHSGB-8	JHSGB-8C
JHSGB-9	JHSGB-9C
JHSGB-10	JHSGB-10C
JHSGB-11	JHSGB-11C
JHSGB-12	JHSGB-12C
JHSGB-13	JHSGB-13C
JHSGB-14	JHSGB-14C
JHSGB-15	JHSGB-15C
JHSGB-16	JHSGB-16C
JHSGB-17	JHSGB-17C
JHSGB-18	JHSGB-18C
JHSGB-19	JHSGB-19C
JHSGB-20	JHSGB-20C
JHSGB-21	JHSGB-21C
JHSGB-22	JHSGB-22C
JHSGB-23	JHSGB-23C
JHSGB-24	JHSGB-24C
JHSGB-25	JHSGB-25C
JHSGB-26	JHSGB-26C
JHSGB-27	JHSGB-27C
JHSGB-28	JHSGB-28C
JHSGB-29	JHSGB-29C

DESCRIPTION		
Dia. Ø	Total Length	Useable Length
1/16" x	1-7/8"	x 7/8"
5/64" x	2"	x 1"
3/32" x	2-1/4"	x 1-1/4"
7/64" x	2-5/8"	x 1-1/2"
1/8" x	2-3/4"	x 1-5/8"
9/64" x	2-7/8"	x 1-3/4"
5/32" x	3-1/8"	x 2"
11/64" x	3-1/4"	x 2-1/8"
3/16" x	3-1/2"	x 2-5/16"
13/64" x	3-5/8"	x 2-7/16"
7/32" x	3-3/4"	x 2-1/2"
15/64" x	3-7/8"	x 2-5/8"
1/4" x	4"	x 2-3/4"
17/64" x	4-1/8"	x 2-7/8"
9/32" x	4-1/4"	x 2-15/16"
19/64" x	4-3/8"	x 3-1/16"
5/16" x	4-1/2"	x 3-3/16"
21/64" x	4-5/8"	x 3-5/16"
11/32" x	4-3/4"	x 3-7/16"
23/64" x	4-7/8"	x 3-1/2"
3/8" x	5"	x 3-5/8"
25/64" x	5-1/8"	x 3-3/4"
13/32" x	5-1/4"	x 3-7/8"
27/64" x	5-3/8"	x 3-15/16"
7/16" x	5-1/2"	x 4-1/16"
29/64" x	5-5/8"	x 4-3/16"
15/32" x	5-3/4"	x 4-5/16"
31/64" x	5-7/8"	x 4-3/8"
1/2" x	6"	x 4-1/2"

Jobbers Length Cobalt 135° Split Point	
BULK DII #	SLEEVES DII #
JHSCB-1	JHSCB-1C
JHSCB-2	JHSCB-2C
JHSCB-3	JHSCB-3C
JHSCB-4	JHSCB-4C
JHSCB-5	JHSCB-5C
JHSCB-6	JHSCB-6C
JHSCB-7	JHSCB-7C
JHSCB-8	JHSCB-8C
JHSCB-9	JHSCB-9C
JHSCB-10	JHSCB-10C
JHSCB-11	JHSCB-11C
JHSCB-12	JHSCB-12C
JHSCB-13	JHSCB-13C
JHSCB-14	JHSCB-14C
JHSCB-15	JHSCB-15C
JHSCB-16	JHSCB-16C
JHSCB-17	JHSCB-17C
JHSCB-18	JHSCB-18C
JHSCB-19	JHSCB-19C
JHSCB-20	JHSCB-20C
JHSCB-21	JHSCB-21C
JHSCB-22	JHSCB-22C
JHSCB-23	JHSCB-23C
JHSCB-24	JHSCB-24C
JHSCB-25	JHSCB-25C
JHSCB-26	JHSCB-26C
JHSCB-27	JHSCB-27C
JHSCB-28	JHSCB-28C
JHSCB-29	JHSCB-29C

Bulk and Sleeve Packaging: Sizes 1/16" - 9/32" are packaged 10 bits per pkg. Other sizes 5 bits per pkg.

Jobber Length Twist Drill Bit Sets 135° Black & Gold
JHSGB-S13 - 13 Pc. 1/16 thru 1/4 by 64ths
JHSGB-S15 - 15 Pc. 1/16 thru 1/2 by 32nds
JHSGB-S29 - 29 Pc. 1/16 thru 1/2 by 64th

Packaged in Metal Index Box



Jobber Length Twist Drill Bit Sets 135° Cobalt
JHSCB-S13 13 Pc. 1/16 thru 1/4 by 64ths
JHSCB-S15 15 Pc. 1/16 thru 1/2 by 32nds
JHSCB-S29 29 Pc. 1/16 thru 1/2 by 64th



CARBIDE TIPPED HSS METAL CUTTING BITS

ROCKHARD SUPER HIGH SPEED CARBIDE TIPPED DRILL BITS



Catalog No. Sleeve of 1	Dia. Ø	Total Length
JHSS-1	5/64" x	1-7/8"
JHSS-2	3/32" x	2-1/4"
JHSS-3	7/64" x	2-3/8"
JHSS-4	1/8" x	2-3/4"
JHSS-5	9/64" x	2-7/8"
JHSS-6	5/32" x	2-7/8"
JHSS-7	11/64" x	3-1/8"
JHSS-8	3/16" x	3-3/8"
JHSS-9	13/64" x	3-5/8"
JHSS-10	7/32" x	3-3/4"
JHSS-11	15/64" x	3-5/8"
JHSS-12	1/4" x	4"
JHSS-13	9/32" x	4-3/8"
JHSS-14	5/16" x	4-5/8"
JHSS-15	11/32" x	4-7/8"
JHSS-16	3/8" x	5-1/4"
JHSS-17	13/32" x	5-3/8"
JHSS-18	7/16" x	5-5/8"
JHSS-19	15/32" x	5-7/8"
JHSS-20	1/2" x	6"



Professional's bit for cutting cast iron, hardened steel and other exotic metals

- Diamond ground cutting edge on the carbide tip for exact tolerance
- Drill body is made from alloy speed steel
- Carbide tip ground to 120 degree point
- Recommended for use in drill presses, lathes, and hand held drills that can be steadied
- Cooling fluids recommended for best results

ROCKHARD WOOD SPADE BIT WITH ANGLED SPURS

Wood Spade Bit Standard

Catalog No.	Dia. Ø	Total Length
WS06-02	1/4" x	6"
WS06-04	5/16" x	6"
WS06-06	3/8" x	6"
WS06-08	7/16" x	6"
WS06-10	1/2" x	6"
WS06-12	9/16" x	6"
WS06-14	5/8" x	6"
WS06-16	11/16" x	6"
WS06-18	3/4" x	6"
WS06-20	13/16" x	6"
WS06-22	7/8" x	6"
WS06-24	15/16" x	6"
WS06-26	1" x	6"
WS06-28	1-1/8" x	6"
WS06-30	1-1/4" x	6"
WS06-32	1-3/8" x	6"
WS06-34	1-1/2" x	6"

Wood Spade Bit Extra Long

Catalog No.	Dia. Ø	Total Length
WS16-02	1/4" x	16"
WS16-04	3/8" x	16"
WS16-08	1/2" x	16"
WS16-10	5/8" x	16"
WS16-12	3/4" x	16"
WS16-14	1" x	16"

- Spurs angled to provide a cleaner cut
- Designed to reduce binding and drive through wood knots
- Heat treated for heavy duty construction grade long life
- Size marked on each bit



HEAVY DUTY SHIP AUGER BITS

Ship Auger Bit - Short

Catalog No.	Dia. Ø	Total Length
WSA07-02	5/16" x	7-1/2"
WSA07-04	5/8" x	7-1/2"
WSA07-06	11/16" x	7-1/2"
WSA07-08	3/4" x	7-1/2"
WSA07-10	13/16" x	7-1/2"
WSA07-12	7/8" x	7-1/2"
WSA07-14	15/16" x	7-1/2"
WSA07-16	1" x	7-1/2"
WSA07-18	1-1/8" x	7-1/2"
WSA07-20	1-1/4" x	7-1/2"
WSA07-22	1-1/2" x	7-1/2"

- Designed for faster cuts with a deep relief angle that removes material more quickly
- Hardened, heavy duty, self feeding screw tip designed for wear resistant longer life
- Designed for easy back out

Ship Auger Bit - Long

Catalog No.	Dia. Ø	Total Length
WSA18-02	5/16" x	18"
WSA18-04	3/8" x	18"
WSA18-06	7/16" x	18"
WSA18-08	1/2" x	18"
WSA18-10	9/16" x	18"
WSA18-12	5/8" x	18"
WSA18-14	11/16" x	18"
WSA18-16	3/4" x	18"
WSA18-18	13/16" x	18"
WSA18-20	7/8" x	18"
WSA18-22	15/16" x	18"
WSA18-24	1" x	18"
WSA18-28	1-1/8" x	18"
WSA18-30	1-1/4" x	18"
WSA18-32	1-3/8" x	18"
WSA18-34	1-1/2" x	18"





JOR-SET CONCRETE SCREWS & BITS

JOR-SET CONCRETE SCREWS

Hexhead Concrete Screws

Catalog No.	Dia. Ø	Total Length
CS-1	3/16" x	1-1/4"
CS-2	3/16" x	1-3/4"
CS-3	3/16" x	2-1/4"
CS-4	3/16" x	2-3/4"
CS-5	3/16" x	3-1/4"
CS-6	3/16" x	3-3/4"
CS-7	3/16" x	4"
CS-8	1/4" x	1-1/4"
CS-9	1/4" x	1-3/4"
CS-10	1/4" x	2-1/4"
CS-11	1/4" x	2-3/4"
CS-12	1/4" x	3-1/4"
CS-13	1/4" x	3-3/4"
CS-14	1/4" x	4"
CS-15	1/4" x	5"
CS-16	1/4" x	6"
CS-382H	3/8" x	2"
CS-383H	3/8" x	3"
CS-384H	3/8" x	4"



Flathead Concrete Screws

Catalog No.	Dia. Ø	Total Length
CS-17	3/16" x	1-1/4"
CS-18	3/16" x	1-3/4"
CS-19	3/16" x	2-1/4"
CS-20	3/16" x	2-3/4"
CS-21	3/16" x	3-1/4"
CS-22	3/16" x	3-3/4"
CS-23	3/16" x	4"
CS-24	1/4" x	1-1/4"
CS-25	1/4" x	1-3/4"
CS-26	1/4" x	2-1/4"
CS-27	1/4" x	2-3/4"
CS-28	1/4" x	3-1/4"
CS-29	1/4" x	3-3/4"
CS-30	1/4" x	4"
CS-31	1/4" x	5"
CS-32	1/4" x	6"
CS-383F	3/8" x	3" NEW
CS-384F	3/8" x	4" NEW
CS-385F	3/8" x	5" NEW
CS-386F	3/8" x	6" NEW



ROCKHARD CONCRETE SCREW INSTALLATION KIT AND KIT PARTS

CST-1	ENTIRE KIT
CST-2	DRILL ADAPTOR
CST-3	BARREL (TOOL BODY)
CST-4	5/16" SOCKET
CST-5	1/4" SOCKET
CST-6	#2 PHILLIPS BIT
CST-7	#3 PHILLIPS BIT
CST-8	PHILLIPS BIT HOLDER
CST-9	1/8" ALLEN WRENCH
CST-10	EMPTY KIT CASE



CONCRETE SCREW DRILL BITS & SDS/HEX ANCHOR DRIVE BITS



Catalog No.	Dia. Ø	Total Length	Usable Length
JHSDS-HEX1	5/32" x	5" x	3"
JHSDS-HEX2	5/32" x	7" x	5"
JHSDS-HEX3	3/16" x	5" x	3"
JHSDS-HEX4	3/16" x	7" x	5"



Catalog # 1 Piece	Catalog # 10 Pieces	Catalog # 100 Pieces	Dia. Ø	Total Length
JRCSD-1	JRCSD-1X	JRCSD-1C	5/32" x	3-1/2"
JRCSD-2	JRCSD-2X	JRCSD-2C	5/32" x	4-1/2"
JRCSD-3	JRCSD-3X	JRCSD-3C	5/32" x	5-1/2"
JRCSD-4	JRCSD-4X	JRCSD-4C	3/16" x	3-1/2"
JRCSD-5	JRCSD-5X	JRCSD-5C	3/16" x	4-1/2"
JRCSD-6	JRCSD-6X	JRCSD-6C	3/16" x	5-1/2"
JRCSD-7	JRCSD-7X	JRCSD-7C	3/16" x	6-1/2"
JRCSD-8	JRCSD-8X	JRCSD-8C	3/16" x	7-1/2"

EXPANDET® EXTRUDED ANCHORS



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COLOR & LENGTH	DRILL SIZE	SCREW / LAG SIZE	CAT. NO. 100 PC BOX	CAT. NO BULK	CASE QUANTITY
YELLOW 1"	5/32"	# 4	ECTA- 1HB	ECTA- 1B	45,000
WHITE 3/4"	3/16"	# 6	ECT - 2HB	ECT - 2B	40,000
WHITE 1"	3/16"	# 6	ECTA- 3HB	ECTA- 3B	30,000
WHITE 1-1/2"	3/16"	# 6	ECT - 4HB	ECT - 4B	20,000
RED 3/4"	15/64"	# 8	ECT - 5HB	ECT - 5B	35,000
RED 1"	15/64"	# 8	ECTA- 6HB	ECTA- 6B	24,000
RED 1-1/2"	15/64"	# 8	ECTA- 7HB	ECTA- 7B	16,000
GREEN 1"	1/4"	#10	ECTA- 8HB	ECTA- 8B	19,000
GREEN 1-1/4"	1/4"	#10	ECTA- 9HB	ECTA- 9B	14,000
GREEN 1-1/2"	1/4"	#10	ECTA-10HB	ECTA-10B	12,000
GREEN 2"	1/4"	#10	ECT - 11HB	ECT - 11B	9,000
BLUE 1"	5/16"	#14 / 1/4"	ECTA-12HB	ECTA-12B	15,000
BLUE 1-1/2"	5/16"	#14 / 1/4"	ECTA-13HB	ECTA-13B	10,000
BLUE 2"	5/16"	#14 / 1/4"	ECT - 14HB	ECT - 14B	7,000
BLUE 2-1/4"	5/16"	#14 / 1/4"	ECT - 15HB	ECT - 15B	6,000
ORANGE 1"	3/8"	#16 / 5/16"	ECT - 16HB	ECT - 16B	7,500
ORANGE 1-1/2"	3/8"	#16 / 5/16"	ECT - 17HB	ECT - 17B	5,000
ORANGE 2"	3/8"	#16 / 5/16"	ECT - 18HB	ECT - 18B	3,750
ORANGE 2-1/2"	3/8"	#16 / 5/16"	ECTA-19HB	ECTA-19B	3,125
GRAY 1-1/2"	7/16"	#20 / 3/8"	ECT - 20HB	ECT - 20B	3,000
GRAY 2"	7/16"	#20 / 3/8"	ECT - 21HB	ECT - 21B	2,800
GRAY 2-1/2"	7/16"	#20 / 3/8"	ECTA-22HB	ECTA-22B	2,000
GRAY 3"	7/16"	#20 / 3/8"	ECT - 23HB	ECT - 23B	1,600
BLACK 2-1/2"	9/16"	7/16" & 1/2"	ECT - 24HB	ECT - 24B	1,300
BLACK 3-1/2"	9/16"	7/16" & 1/2"	ECT - 25HB	ECT - 25B	1,000



Advantages:

- Made from PVC
- Expansion on the total surface and length of anchor
- Three external fins prevent rotation
- Profile ensures self-centering of the screw
- High tensile loads in concrete and solid brick
- Anchor protects the screw against corrosion

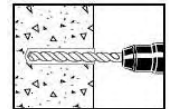


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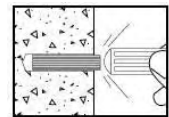
COLOR & LENGTH	DRILL SIZE	SCREW / LAG SIZE	CAT. NO. 100 PC BOX	CAT. NO FRAME	FRAMES PER BOX	CASE
YELLOW 1"	5/32"	# 4	ECTA- 1HF	ECTA- 1F	20	200
WHITE 3/4"	3/16"	# 6	ECT - 2HF	ECT - 2F	40	800
WHITE 1"	3/16"	# 6	ECTA- 3HF	ECTA- 3F	20	600
WHITE 1-1/2"	3/16"	# 6	ECT - 4HF	ECT - 4F	20	400
RED 3/4"	15/64"	# 8	ECT - 5HF	ECT - 5F	40	640
RED 1"	15/64"	# 8	ECTA- 6HF	ECTA- 6F	20	480
RED 1-1/2"	15/64"	# 8	ECTA- 7HF	ECTA- 7F	20	320
GREEN 1"	1/4"	#10	ECTA- 8HF	ECTA- 8F	20	480
GREEN 1-1/4"	1/4"	#10	ECTA- 9HF	ECTA- 9F	20	400
GREEN 1-1/2"	1/4"	#10	ECTA-10HF	ECTA-10F	20	320
GREEN 2"	1/4"	#10	ECT - 11HF	ECT - 11F	10	240
BLUE 1"	5/16"	#14 / 1/4"	ECTA-12HF	ECTA-12F	20	360
BLUE 1-1/2"	5/16"	#14 / 1/4"	ECTA-13HF	ECTA-13F	20	240
BLUE 2"	5/16"	#14 / 1/4"	ECT - 14HF	ECT - 14F	10	180
BLUE 2-1/4"	5/16"	#14 / 1/4"	ECT - 15HF	ECT - 15F	10	150
ORANGE 1"	3/8"	#16 / 5/16"	ECT - 16HF	ECT - 16F	8	288
ORANGE 1-1/2"	3/8"	#16 / 5/16"	ECT - 17HF	ECT - 17F	4	200
ORANGE 2"	3/8"	#16 / 5/16"	ECT - 18HF	ECT - 18F	4	144
ORANGE 2-1/2"	3/8"	#16 / 5/16"	ECTA-19HF	ECTA-19F	4	120
GRAY 1-1/2"	7/16"	#20 / 3/8"	ECT - 20HF	ECT - 20F	8	160
GRAY 2"	7/16"	#20 / 3/8"	ECT - 21HF	ECT - 21F	4	112
GRAY 2-1/2"	7/16"	#20 / 3/8"	ECTA-22HF	ECTA-22F	4	96
GRAY 3"	7/16"	#20 / 3/8"	ECT - 23HF	ECT - 23F	4	80
BLACK* 2-1/2"	9/16"	7/16" & 1/2"	ECT - 24HF	ECT - 24F	4	80
BLACK* 3-1/2"	9/16"	7/16" & 1/2"	ECT - 25HF	ECT - 25F	4	60

* BLACK 2-1/2 & 3-1/2 HAVE 12 PIECES PER FRAME

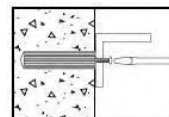
Installation



DRILL HOLE WITH CORRECT DIAMETER AND DEPTH



BLOW HOLE CLEAN OF DUST AND MATERIAL. INSERT THE ANCHOR INTO THE HOLE UNTIL IT IS FLUSH WITH THE SURFACE OF THE BASE MATERIAL



POSITION THE FIXTURE. INSERT THE PROPER SIZE SCREW THROUGH THE FIXTURE INTO THE TOP OF THE ANCHOR AND TIGHTEN. BE SURE THE THREAD FULLY ENGAGES THE ANCHOR BODY.

EXPANDET® EXTRUDED ANCHOR MERCHANDISERS

Advantages when using Expandet Extruded PVC Plastic Screw Anchors

- AVAILABLE IN 8 DIAMETERS
- NOT TAPERED - ENSURE BETTER CONTACT
- NO LIP - FIXTURE MOUNTS FLUSH WITH SURFACE
- NO FRAYING OR SPLITTING - SELF CENTERING
- CUTS TO SPECIAL LENGTH
- ACID RESISTANT
- DOES NOT TURN IN HOLE
- EACH FRAME HAS TEMPLATE FOR MEASURING CORRECT DRILL AND SCREW SIZES
- USABLE IN ALL DRILLABLE MATERIALS
- FILLS CAVITIES INSIDE DRILL HOLE
- COVERAGE: #4 SCREW THROUGH 1/2" LAG
- NO LUBRICANT NEEDED
- SELF LUBRICATING PVC
- REQUIRES SMALLER HOLES THAN METAL ANCHORS

EBF-160 Full Display - 160 Cards

CARDS	CAT. NO.	QUANTITY, COLOR AND LENGTH	DRILL SIZE REQUIRED
20	EBF-1	25 YELLOW 1"/FRAME	5/32"
20	EBF-2	25 WHITE 1"/FRAME	3/16"
20	EBF-3	25 RED 1"/FRAME	15/64"
10	EBF-4	25 RED 1 1/2"/FRAME	15/64"
20	EBF-5	25 GREEN 1"/FRAME	1/4"
10	EBF-6	25 GREEN 1 1/4"/FRAME	1/4"
10	EBF-7	25 GREEN 1 1/2"/FRAME	1/4"
20	EBF-8	25 BLUE 1"/FRAME	5/16"
10	EBF-9	25 BLUE 1 1/2"/FRAME	5/16"
10	EBF-10	4 ORANGE 2 1/2"/BULK	3/8"
10	EBF-11	4 GRAY 2 1/2"/BULK	7/16"



WIRE RACK SIZE: 15"H x 15"W
(UPC & Installation Instructions on Back)

REFILL ORDERING INFORMATION (Packaged 10 cards per Carton)

EBP-200 Full Display - 200 Cards

CAT. NO.	QTY, COLOR & LGTH / BULK	SCREW/LAG INCLUDED	DRILL SIZE REQUIRED
EBP-1	12 YELLOW 1"		5/32"
EBP-2	10 WHITE 1"		3/16"
EBP-3	8 RED 1"		15/64"
EBP-4	6 GREEN 1"		1/4"
EBP-5	5 GREEN 1 1/4"		1/4"
EBP-6	5 GREEN 1 1/2"		1/4"
EBP-7	5 BLUE 1"		5/16"
EBP-8	4 BLUE 1 1/2"		5/16"
EBP-9	2 ORANGE 2"		3/8"
EBP-10	2 GRAY 2"		7/16"
EBP-11	12 YELLOW 1"	12- #4 X 1"	5/32"
EBP-12	10 WHITE 1"	10- #6 X 1"	3/16"
EBP-13	8 RED 1"	8- #8 X 1"	15/64"
EBP-14	6 GREEN 1"	6- #10 X 1"	1/4"
EBP-15	5 GREEN 1 1/4"	5- #10 X 1 1/2"	1/4"
EBP-16	5 GREEN 1 1/2"	5- #10 X 1 1/2"	1/4"
EBP-17	5 BLUE 1"	5- #14 X 1 1/4"	5/16"
EBP-18	4 BLUE 1 1/2"	4- #14 X 1 1/2"	5/16"
EBP-19	2 ORANGE 2"	2- 5/16" LAGS	3/8"
EBP-20	2 GRAY 2"	2- 3/8" LAGS	7/16"



WIRE RACK SIZE: 15"H x 15"W
(UPC & Installation Instructions on Back)

EXBL-DISP - FREE WIRE DISPLAYS - N/C
LABEL-54 - TOP SIGN FOR BLISTER DISPLAY

REFILL ORDERING INFORMATION (Packaged 10 cards per Carton)

EXPANDET® ROSETT®

DESIGNED FOR HEAVY LOADS IN DRY WALL, PLASTER WALLS, CONCRETE, CINDER BLOCKS, BRICK, MARBLE, STONE AND OTHER DRILLABLE MATERIALS. RECOMMENDED BY LEADING DRY WALL MANUFACTURERS. EASY TO USE - NO SPECIAL TOOLS REQUIRED.

Two per card Box of 25	ERB -1 ERB -25	Blue Rosett - Length 2" with 3/16" x 2-1/4" machine screw and washer.		USE IN WALLS 3/8" - 3/4" THICK	DRILL: DRY WALL -- 3/8" TWIST DRILL SOLID MATERIAL -- 7/16" MASONRY DRILL
Two per card Box of 25	ERB -2 ERBS -25	Blue Rosett with telescopic spacer. Used F1 with U-shaped standards for shell systems and pegboard installations.			
One per card Box of 25	ERB -3 ERBH -25	Blue Rosett with hook and plastic cover plate. Great for hanging ceiling fixtures, etc.			
One per card Box of 25	ERB -4 ERBSH -25	Blue Rosett with 90° straight hook and plastic cover plate. Made for vertical hanging of paintings, mirrors and other heavy objects.			
One per card Box of 25	ERB -5 ERBSE -25	Blue Rosett with screw eye and plastic cover plate.			
Two per card Box of 25	ERR -6 ERR -25	Red Rosett - Length 2-3/8" with 3/16" x 2-3/4" machine screw and washer.		USE IN WALLS 3/4" - 1-1/4" THICK AND IN SOLID MATERIALS	
Two per card Box of 25	ERR -7 ERRS -25	Red Rosett with telescopic spacer. Used F1 with U-shaped standards for shell systems and pegboard installations.			
One per card Box of 25	ERR -8 ERRH -25	Red Rosett with hook and plastic cover plate. Great for hanging ceiling fixtures, etc.			
One per card Box of 25	ERR -9 ERRSH -25	Red Rosett with 90° straight hook and plastic cover plate. Made for vertical hanging of paintings, mirrors and other heavy objects.			
One per card Box of 25	ERR -10 ERRSE -25	Red Rosett with screw eye and plastic cover plate.			

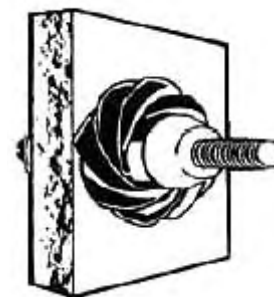
INSTALLATION INSTRUCTIONS



WIRE RACK SIZE: 15"H x 15"W
(UPC & Installation Instructions on Back)

ERA-100 Full Display - 100 Cards, 10 Per Style

CAT. NO	STYLE
ERB-1	BLUE PANHEAD
ERB-2	BLUE SPACER
ERB-3	BLUE ROUND HOOK
ERB-4	BLUE STRAIGHT HOOK
ERB-5	BLUE SCREW EYE
ERR-6	RED PANHEAD
ERR-7	RED SPACER
ERR-8	RED ROUND HOOK
ERR-9	RED STRAIGHT HOOK
ERR-10	RED SCREW EYE



REFILL ORDERING INFORMATION (Packaged 10 cards per Carton)

HOLLOW WALL ANCHOR MERCHANDISER

Conical Lip

CATALOG NUMBER	QUANTITY, COLOR & LENGTH	SCREWS INCLUDED	DRILL SIZE REQUIRED
CLA-1	10 BLUE 3/16" x 3/4"		3/16"
CLA-2	10 BLUE 3/16" x 7/8"		3/16"
CLA-3	10 BLUE 1/4" x 1"		1/4"
CLA-4	5 BLUE 5/16" x 1-3/8"		5/16"
CLA-5	10 BLUE 3/16" x 3/4"	10 - #6 x 1"	3/16"
CLA-6	10 BLUE 3/16" x 7/8"	10 - #8 x 1"	3/16"
CLA-7	10 BLUE 1/4" x 1"	10 - #10 x 1"	1/4"
CLA-8	5 BLUE 5/16" x 1-3/8"	5 - #14 x 1-1/2"	5/16"



HWA-190 FULL DISPLAY

10 CARDS PER CARTON
19 CARTONS PER DISPLAY



Lip Anchor

EHW-6	10 LIP ANCHORS 1"	10 - #6 x 1-1/2"	1/4"
EHW-8	10 LIP ANCHORS 1"	10 - #8 x 1-1/2"	1/4"
EHW-10	10 LIP ANCHORS 1"	10 - #10 x 1-1/2"	1/4"
EHW-NS	10 LIP ANCHORS 1"	NO SCREWS	1/4"



Expandet® Light Rosett®

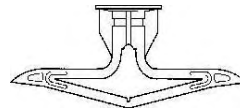
ERL-11	4 RED LIGHT ROSETT	4 - #6 x 2"	1/4"
ERL-12	4 RED LIGHT ROSETT	4 - #8 x 2"	1/4"
EBL-13	2 BLUE LIGHT ROSETT	2 - #10 x 2-1/2"	5/16"
EBL-14	2 BLUE LIGHT ROSETT	2 - #12 x 2-1/2"	5/16"



WIRE RACK SIZE: 15"H x 15"W
(UPC & Installation Instructions on Back)

Longhorn Plastic Toggle

PTA-1	5 - 3/8" TOGGLES	NO SCREWS	5/16"
PTA-2	5 - 1/2" TOGGLES	NO SCREWS	5/16"
PTA-3	5 - 5/8" TOGGLES	NO SCREWS	5/1"



HOLLOW WALL ANCHORS - BULK & PACKAGED

Conical Anchors

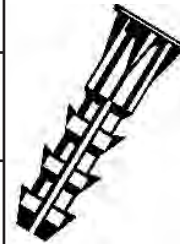
CATALOG NUMBER	QUANTITY, COLOR & LENGTH	SCREWS INCLUDED	DRILL SIZE REQUIRED	PKG TYPE
CLA-BX 6	100 - RED 3/16" x 3/4"	-	3/16"	B O X
CLA-BX 8	100 - RED 3/16" x 7/8"	-	3/16"	
CLA-BX10	100 - RED 1/4" x 1"	-	1/4"	
CLA-BX14	50 - RED 5/16" x 1-3/8"	-	5/16"	
CLA- 6R	1000 - RED 3/16" x 3/4"	-	3/16"	B A G
CLA- 8R	1000 - RED 3/16" x 7/8"	-	3/16"	
CLA-10R	1000 - RED 1/4" x 1"	-	1/4"	
CLA-14R	500 - RED 5/16" x 1-3/8"	-	5/16"	



HOLLOW WALL ANCHORS - BULK & PACKAGED

Ribbed Anchors

CATALOG NUMBER	QUANTITY, COLOR & LENGTH	SCREWS INCLUDED	DRILL SIZE REQUIRED	PKG TYPE
RIB-BX 8	100 - GRAY 3/16" x 7/8"	-	3/16"	B
RIB-BX10	100 - GRAY 1/4" x 1"	-	1/4"	O
RIB-BX14	50 - GRAY 5/16" x 1-3/8"	-	5/16"	X
RIB- 8R	1000 - GRAY 3/16" x 7/8"	-	3/16"	B
RIB-10R	1000 - GRAY 1/4" x 1"	-	1/4"	A
RIB-14R	500 - GRAY 5/16" x 1-3/8"	-	5/16"	G



Super Ribbed Anchors

SPR-BX 8	100 - YELLOW 3/16" x 1"	-	3/16"	B
SPR-BX10	100 - YELLOW 1/4" x 1-1/4"	-	1/4"	O
SPR-BX14	50 - YELLOW 5/16" x 1-1/2"	-	5/16"	X
SPR- 8R	1000 - YELLOW 3/16" x 1"	-	3/16"	B
SPR-10R	1000 - YELLOW 1/4" x 1-1/4"	-	1/4"	A
SPR-14R	500 - YELLOW 5/16" x 1-1/2"	-	5/16"	G



Lip Anchors

EHW-1	10,000 - ORANGE 1"	-	1/4"	B
EHW-100	100 - ORANGE 1"	-	1/4"	O
EHW-500	500 - ORANGE 1"	-	1/4"	X



Light Rosett Anchors

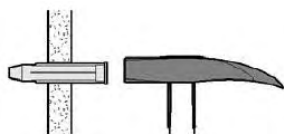
ERL-100	100 - RED LIGHT ROSETT	-	1/4"	B O X
EBL-50	50 - BLUE LIGHT ROSETT	-	1/4"	
ERL- 6BX	50 - RED LIGHT ROSETT	50 - #6 x 2"	1/4"	
ERL- 8BX	50 - RED LIGHT ROSETT	50 - #8 x 2"	1/4"	
EBL-10BX	25 - BLUE LIGHT ROSETT	25 - #10 x 2-1/2"	5/16"	
EBL-12BX	25 - BLUE LIGHT ROSETT	25 - #12 x 2-1/2"	5/16"	BULK
ERL-BU	RED LIGHT ROSETT	-	1/4"	
EBL-BU	BLUE LIGHT ROSETT	-	5/16"	



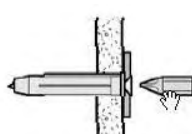
MADE FROM NYLON, THE LIGHT ROSETT IS DESIGNED FOR ANCHORING OBJECTS IN DRYWALL, PLASTERBOARD, GYPSUM FIBER BOARDS, CHIPBOARDS AND GENERAL THIN WALLED CAVITIES. EASY TO USE - NO SPECIAL TOOLS REQUIRED.



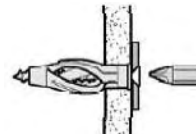
INSTALLATION INSTRUCTIONS



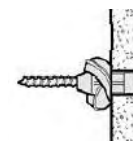
DRILL HOLE THROUGH THE BOARD.
HAMMER LIGHT ROSETT FLUSH
WITH THE WALL.



USE SCREW SIZE
AS RECOMMENDED.



WHEN BEING TIGHTENED THE SCREW
DRAWS UP THE ANCHOR INTO A
STRONG KNOT BEHIND THE BOARD
(IN THE CAVITY).



INSTALLATION IS FINISHED.

HOLLOW WALL ANCHORS - BULK & PACKAGED

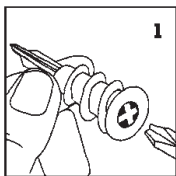
Self Drilling Anchors

CATALOG NUMBER	DESCRIPTION	USED WITH SCREWS	DRILL SIZE REQUIRED	PKG TYPE
EZIP-100J	SMALL NYLON	#6	NONE	B
EZIP-100N	LARGE NYLON	#8	NONE	O
EZIP-100Z	LARGE ZINC	#8	NONE	X

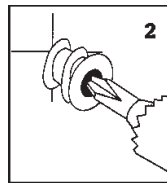


AS A ONE PIECE SELF DRILLING ANCHOR, THE SELF DRILLING ANCHOR IS DESIGNED FOR USE IN HOLLOW GYPSUM WALLBOARD FOR LIGHT TO MEDIUM DUTY LOADS. IT IS AVAILABLE IN NYLON FOR USE WITH #6 SCREWS AND IN BOTH NYLON AND ZAMAC ALLOY FOR USE WITH #8 SCREWS.

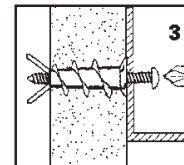
INSTALLATION INSTRUCTIONS



1 INSERT EITHER #2 OR #3 PHILLIPS DRIVER BIT INTO THE RECESS OF THE ANCHOR HEAD. USE A MANUAL SCREWDRIVER OR A LOW RPM BATTERY POWERED ELECTRIC SCREW GUN.



2 PUSH THE ANCHOR INTO THE SURFACE OF THE WALLBOARD UNTIL THE TWO CUTTING BLADES PENETRATE THE SURFACE. USING GENTLE FORWARD PRESSURE, ROTATE THE ANCHOR UNTIL THE COLLAR SETS FLUSH TO THE SURFACE OF THE WALL.



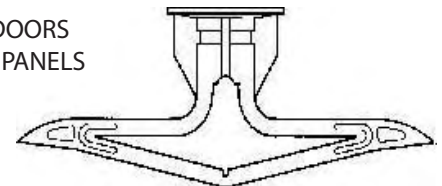
3 PUT FIXTURE IN PLACE, INSERT AND TIGHTEN UNTIL IT FEELS SECURE. DO NOT OVER TIGHTEN.

Longhorn Plastic Toggle Anchors

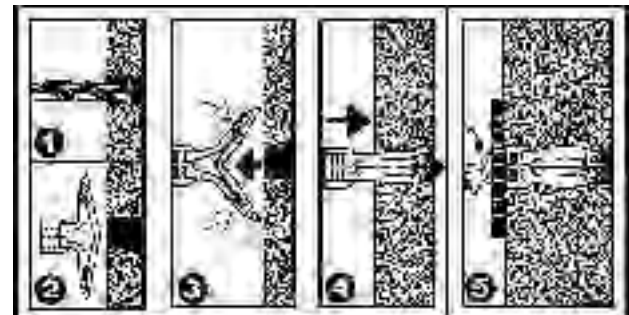
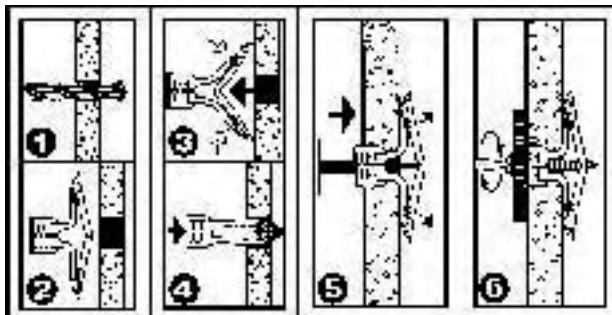
CATALOG NUMBER	DESCRIPTION	USED WITH SCREWS	DRILL SIZE REQUIRED	PKG TYPE	RANGE
PTA-100A	3/8" TOGGLE	#6 - #14	5/16"	B	5/16" - 7/16"
PTA-100B	1/2" TOGGLE	#6 - #14	5/16"	O	7/16" - 9/16"
PTA-100C	5/8" TOGGLE	#6 - #14	5/16"	X	9/16" - 11/16"

A MULTIPURPOSE PLASTIC ANCHOR WITH GREAT VERSALITY. IDEAL FOR USE IN ROOMS WHERE MOISTURE IS A CONCERN. RECOMMENDED FOR ALL TYPES OF MATERIAL:

- WALLBOARD
- PLYWOOD
- MASONITE
- METAL DOORS
- PANELING
- TILE
- STONE
- CEILING PANELS
- BRICK WALLS
- CONCRETE BLOCK
- FIBERGLASS SHEET
- PLASTIC SHEET
- LAMINATED PRODUCTS
- CEMENT WALLS
- BOAT PANELS
- AUTOMOBILES
- ABS



INSTALLATION INSTRUCTIONS



ANCHOR KITS



- KITS MADE IN THE USA
- IMPACT RESISTANT HANGABLE BOX
- HIGH QUALITY MASONRY DRILL BIT FOR PROPER INSTALLATION
- HIGH QUALITY SCREWS MATCHING ANCHOR SIZES



TRI-COMBO (HEX/SLOT/PHIL)



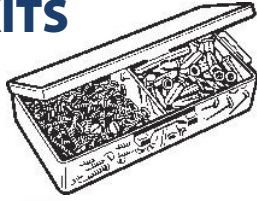
PANHEAD COMBO (SLOT/PHIL)

<p>CAT. NO. KT-1  </p> <p>50 PCS – 8 - 10 CONICAL ANCHORS 50 PCS – #6 x 1" COMBO SCREWS 1 PC – 3/16" MASONRY DRILL</p>	<p>CAT. NO. KT-2  </p> <p>100 PCS – 8 - 10 CONICAL ANCHORS 100 PCS – #8 x 1" COMBO SCREWS 1 PC – 3/16" MASONRY DRILL</p>	<p>CAT. NO. KT-3  </p> <p>50 PCS – 1/4" CONICAL ANCHORS 50 PCS – #10 x 1" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>
<p>CAT. NO. KT-4  </p> <p>100 PCS – 1/4" CONICAL ANCHORS 100 PCS – #10 x 1" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>	<p>CAT. NO. KT-4H  </p> <p>100 PCS – 1/4" CONICAL ANCHORS 100 PCS – #10 x 1" TRI-COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>	<p>CAT. NO. KT-5  </p> <p>50 PCS – 5/16" CONICAL ANCHORS 50 PCS – #14 x 1-1/2" COMBO SCREWS 1 PC – 5/16" MASONRY DRILL</p>
<p>CAT. NO. KT-6  </p> <p>100 PCS – 1/4" LIP ANCHORS 100 PCS – #8 x 1" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>	<p>CAT. NO. KT-7  </p> <p>100 PCS – 1/4" LIP ANCHORS 100 PCS – #10 x 1" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>	<p>CAT. NO. KT-8  </p> <p>200 PCS – 3/16" EXTRUDED ANCHOR 200 PCS – #6 x 1" COMBO SCREWS 1 PC – 3/16" MASONRY DRILL</p>
<p>CAT. NO. KT-9  </p> <p>150 PCS – 15/64" EXTRUDED ANCHOR 150 PCS – #8 x 1" COMBO SCREWS 1 PC – 15/64" MASONRY DRILL</p>	<p>CAT. NO. KT-10  </p> <p>100 PCS – 1/4" EXTRUDED ANCHOR 100 PCS – #10 x 1" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>	<p>CAT. NO. KT-11  </p> <p>50 PCS – 5/16" EXTRUDED ANCHOR 50 PCS – #14 x 1-1/2" COMBO SCREWS 1 PC – 5/16" MASONRY DRILL</p>
<p>CAT. NO. KT-12  </p> <p>50 PCS – 1/4" ROSETT ANCHORS 50 PCS – #6 x 2" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>	<p>CAT. NO. KT-13  </p> <p>50 PCS – 1/4" ROSETT ANCHORS 50 PCS – #8 x 2" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>	<p>CAT. NO. KT-14  </p> <p>25 PCS – 5/16" ROSETT ANCHORS 25 PCS – #10 x 2-1/2" COMBO SCREWS 1 PC – 5/16" MASONRY DRILL</p>
<p>CAT. NO. KT-15  </p> <p>25 PCS – 5/16" ROSETT ANCHORS 25 PCS – #12 x 2-1/2" COMBO SCREWS 1 PC – 5/16" MASONRY DRILL</p>	<p>CAT. NO. KT-20  </p> <p>100 PCS – 3/16" RIBBED ANCHORS 100 PCS – #8 x 1" COMBO SCREWS 1 PC – 3/16" MASONRY DRILL</p>	<p>CAT. NO. KT-21  </p> <p>100 PCS – 1/4" RIBBED ANCHORS 100 PCS – #10 x 1" COMBO SCREWS 1 PC – 1/4" MASONRY DRILL</p>

ANCHOR COLORS: CONICAL = RED 3/16 EXTRUDED = WHITE 15/64 EXTRUDED = RED 1/4 EXTRUDED = GREEN
5/16" EXTRUDED = BLUE LIP = ORANGE RIBBED = GRAY 1/4 ROSETT = RED 5/16 ROSETT = BLUE

ROCKHARD FASTENING SYSTEMS

ANCHOR KITS





- KITS MADE IN THE USA
- IMPACT RESISTANT HANGABLE BOX
- HIGH QUALITY MASONRY DRILL BIT FOR PROPER INSTALLATION
- HIGH QUALITY SCREWS MATCHING ANCHOR SIZES





TRI-COMBO (HEX/SLOT/PHIL)





PANHEAD COMBO (SLOT/PHIL)

CAT. NO. KT-21H  



100 PCS - 1/4" RIBBED ANCHORS
100 PCS - #10 x 1" TRI-COMBO SCREWS
1 PC - 1/4" MASONRY DRILL

CAT. NO. KT-22  



50 PCS - 5/16" RIBBED ANCHORS
50 PCS - #14 x 1-1/2" COMBO SCREWS
1 PC - 5/16" MASONRY DRILL

CAT. NO. KT-23  



100 PCS - 3/16" SUPER RIB ANCHOR
100 PCS - #8 x 1" COMBO SCREWS
1 PC - 3/16" MASONRY DRILL

CAT. NO. KT-24  

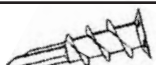

100 PCS - 1/4" SUPER RIB ANCHOR
100 PCS - #10 x 1" COMBO SCREWS
1 PC - 1/4" MASONRY DRILL

CAT. NO. KT-24H  



100 PCS - 1/4" SUPER RIB ANCHOR
100 PCS - #10 x 1" TRI-COMBO SCREWS
1 PC - 1/4" MASONRY DRILL

CAT. NO. KT-25  



50 PCS - 5/16" SUPER RIB ANCHOR
50 PCS - #14 x 1-1/2" COMBO SCREWS
1 PC - 5/16" MASONRY DRILL

CAT. NO. EZIP-KTJ  

50 PCS - SMALL NYLON ANCHORS
50 PCS - #6 x 1" COMBO SCREWS
1 PC - #2 PHILLIPS BIT

CAT. NO. KZIP-KTN  

50 PCS - LARGE NYLON ANCHORS
50 PCS - #8 x 1" COMBO SCREWS
1 PC - #2 PHILLIPS BIT

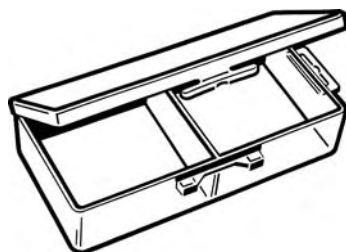
CAT. NO. EZIP-KTZ  

50 PCS - LARGE ZINC ANCHORS
50 PCS - #8 x 1" COMBO SCREWS
1 PC - #2 PHILLIPS BIT

ANCHOR COLORS: RIBBED = GRAY SUPER RIB = YELLOW NYLON = NATURAL

PLASTIC BOXES

- CLEAR, IMPACT RESISTANT
- MOLDED IN HANGING TAB
- GREAT FOR HARDWARE, PLUMBING, ELECTRONIC PRODUCTS



2 - COMPARTMENT BOX
CAT. NO: PPIC-KTBX

DIMENSIONS
6-3/4" x 3-1/4" x 1-1/2"



1 - COMPARTMENT BOX
CAT. NO: PPIC1-KTBX



MINI BOX
CAT. NO: PPIC-MINI

DIMENSIONS
3-1/4" x 3-1/8" x 1-3/8"

PERFORMANCE DATA

NOTE: THE VALUES LISTED BELOW FOR EXTRUDED ANCHORS ARE WORKING LOAD CAPACITIES WHICH HAVE ALREADY BEEN REDUCED BY A FACTOR OF 3. ALL OTHER LOAD DATA ARE ULTIMATE LOAD VALUES AND SHOULD BE REDUCED BY A FACTOR OF 4. TESTS WERE CONDUCTED USING THE LARGEST SCREW IN A GIVEN RANGE. THESE VALUES SHOULD BE USED AS GUIDELINES ONLY. THE TYPE AND STRENGTH OF THE SCREW USED WILL AFFECT PERFORMANCE. JOB SITE TESTS SHOULD BE CONDUCTED TO DETERMINE ACTUAL LOAD CAPACITIES.

Extruded Anchors

ANCHOR COLOR	ANCHOR LENGTH	TENSION LOAD (lbs.)*
YELLOW	1"	55
WHITE	1"	260
WHITE	1-1/2"	350
RED	1"	305
RED	1-1/2"	395
GREEN	1"	350
GREEN	1-1/4"	440
GREEN	1-1/2"	515
GREEN	2"	725
BLUE	1"	415
BLUE	1-1/2"	595
BLUE	2"	770
ORANGE	1-1/2"	530
ORANGE	2"	760
ORANGE	2-1/2"	860
GRAY	2"	1630
GRAY	2-1/2"	1940
GRAY	3"	2200
BLACK	2-1/2"	1985
BLACK	3-1/2"	2200

***MAX VALUES IN CONCRETE**

Self Drilling Anchors

WALL-BOARD THICK.	SMALL		LARGE	
	TENSION LOAD (lbs.)	SHEAR LOADS (lbs.)	TENSION LOAD (lbs.)	SHEAR LOADS (lbs.)
3/8"	45	50	50	60
1/2"	55	55	65	70
5/8"	70	70	80	100
3/4"	75	80	85	100

***MAX VALUES IN WALLBOARD**

Light Rosett Anchors

ANCHOR COLOR	TENSION LOAD (lbs.)*	SHEAR LOAD (lbs.)*
RED	44	55
BLUE	44	77

***MAX VALUES IN PLASTERBOARD
BLUE ANCHOR IN 1/2" PLASTERBOARD
RED ANCHOR IN 1" PLASTERBOARD**

Conical Anchors

ANCHOR	TENSION LOAD (lbs.)*	SHEAR LOAD (lbs.)*
3/16 x 3/4	235	240
3/16 x 7/8	520	280
1/4 x 1	640	350
5/16 x 1-3/8	900	570

***MAX VALUES IN CONCRETE**

Rosett Anchors

ANCHOR COLOR	STYLE	TENSION LOAD (lbs.)*	SHEAR LOAD (lbs.)*
B L U E	PANHEAD	100	110
	SPACER	100	110
	RD. HOOK	45	75
	SQ. HOOK	45	75
	SCREW EYE	45	75
R E D	PANHEAD	150	185
	SPACER	150	185
	RD. HOOK	45	75
	SQ. HOOK	45	75
	SCREW EYE	45	75

***MAX VALUES IN PLASTERBOARD
BLUE ANCHOR IN 1/2" PLASTERBOARD
RED ANCHOR IN 1" PLASTERBOARD**

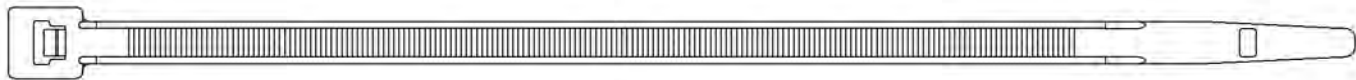
ROCKHARD CABLE TIES

- MADE OF 100% TYPE 6/6 NYLON
- NATURAL & WEATHER-RESISTANT BLACK
- NON-CORROSIVE
- SELF-EXTINGUISHING

- OPERATING TEMPERATURES FROM 40°F (-40°C) TO 185°F (85°C)
- RECOGNIZED UNDER THE COMPONENTS PROGRAM OF UNDERWRITERS LABORATORIES, INC FILE #E 168851



- **MADE IN USA**



PART NUMBER	COLOR	LENGTH	WIDTH	TIE STRENGTH	BUNDLE DIAMETER	MILITARY SPECS.	PER BAG
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Miniature Nylon Ties 18 LB. Tensile

CTN04-018M	Natural	4"	3/32"	18 lb	1/16" - 7/8"	MS3367-4-9	1000
CTN04-018C							100
CTB04-018M	U V Black					MS3367-4-0	1000
CTB04-018C							100

**4" UL RECOGNIZED/CSA APPROVED*

Intermediate Nylon Ties 40 LB. Tensile

CTN05-040M	Natural	5.5"	9/64"	40 lb	1/16" - 1-7/16"	MS3367-5-9	1000
CTN05-040C							100
CTB05-040M	U V Black					MS3367-5-0	1000
CTB05-040C							100

**5.5" UL RECOGNIZED/CSA APPROVED*

Standard Nylon Ties 50 LB. Tensile

CTN07-050M	Natural	7.5"	11/64"	50 lb	1/16" - 1-7/8"	MS3367-1-9	1000
CTN07-050C							100
CTB07-050M	U V Black					MS337-1-0	1000
CTB07-050C							100
CTN11-050D	Natural	11"	11/64"	50 lb	1/16" - 3-1/16"	MS3367-7-9	500
CTN11-050C							100
CTB11-050D	U V Black					MS337-7-0	500
CTB11-050C							100
CTN14-050D	Natural	14.5"	11/64"	50 lb	1/16" - 4-1/8"	MS3367-2-9	500
CTN14-050C							100
CTB14-050D	U V Black					MS337-2-0	500
CTB14-050							100

**7.5", 11", & 14" UL RECOGNIZED/CSA APPROVED*

ROCKHARD CABLE TIES

PART NUMBER	COLOR	LENGTH	WIDTH	TIE STRENGTH	BUNDLE DIAMETER	MILITARY SPECS.	PER BAG
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Heavy Duty Nylon Ties 120 LB. Tensile

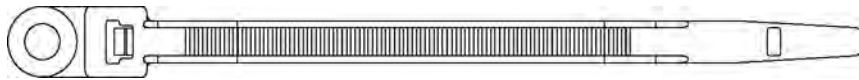
CTN08-120C	Natural	8"	5/16"	120 lb	3/16" - 2-1/16"	-	100
CTB08-120C	UV Black					-	100
CTN14-120C	Natural	14"	5/16"	120 lb	3/16" - 4-1/16"	MS3367-3-9	100
CTB14-120C	UV Black					MS3367-3-0	100

**8" & 14" UL RECOGNIZED/CSA APPROVED*

Extra Heavy Duty Nylon Ties 175 LB. Tensile

CTN24-175L	Natural	24"	1 1/32"	175 lb.	3/16" - 7-3/16"	MS3367-10-9	50
CTB24-175L	UV Black					MS3367-10-0	50
CTN36-175L	Natural	36"	1 1/32"	175 lb.	3/16" - 11"	MS3367-13-9	50
CTB36-175L	UV Black					MS3367-13-0	50
CTN48-175L	Natural	48"	1 1/32"	175 lb.	3/8" - 14-1/2"	MS3367-16-9	50
CTB48-175L	UV Black					MS3367-16-0	50
CTG48-175L	GRAY					MS3367-16-8	50

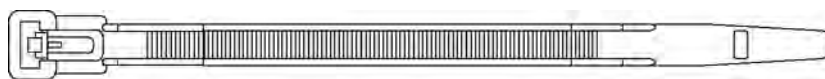
**24", 36", & 48" UL RECOGNIZED/UL 181B LISTED/CSA APPROVED*



Screw Mount Nylon Ties - #10 Screw 50 LB. Tensile

CTN07-M50C	Natural	8"	1 1/64"	50 lb.	1/16" - 1-3/4"	-	100
CTB07-M50C	UV Black					-	100

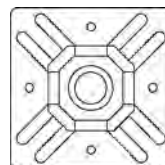
**8" UL RECOGNIZED/CSA APPROVED*



Releasable Nylon Ties 50 LB. Tensile

CTN05-R50C	Natural	6"	5/16"	50 lb.	1/8" - 1-1/4"	-	100
CTB05-R50C	UV Black					-	100
CTN08-R50C	Natural	7"	5/16"	50 lb.	1/8" - 2"	-	100
CTB08-R50C	UV Black					-	100
CTN12-R50C	Natural	12"	5/16"	50 lb.	1/8" - 3"	-	100
CTB12-R50C	UV Black					-	100

**6", 7", & 12" UL RECOGNIZED*



Screw Mount, Rubber Adhesive Base

CTNMP-10NC	Natural	1" x 1"	#6 Screw	For Standard Ties, Screw Mount Up to 14.5	100
CTNMP-10RC	Natural	1" x 1"	Adhesive	For Standard Ties, Adhesive Rubber Up to 14.5"	100
CTNMP-07RC	Natural	3/4" x 3/4"	Adhesive	For Standard Ties, Adhesive Rubber Up to 14.5"	100

**UL RECOGNIZED/CSA APPROVED MOUNTING PADS FOR INDOOR USE*

SCREWDRIVER BIT TIPS

Phillips 1/4" Hex Insert

Part Number	Point Size	Overall Length	
		In.	mm
RBITP-1	1	1"	25
RBITP-2	2	1"	25
RBITP-3	3	1"	25
RBITP-2R	2	1"	25



Sold in Pkg. Of 100

Phillips 1/4" Hex Power Drive

Part Number	Point Size	Overall Length		Body Diameter	
		In.	mm	In.	mm
RBITP-12	1	1-15/16"	49	3/16	5
RBITP-13	1	2-3/4"	70	3/16	5
RBITP-14	1	3-1/2"	89	3/16	5
RBITP-22	2	1-15/16"	49	1/4	6
RBITP-23	2	2-3/4"	70	1/4	6
RBITP-24	2	3-1/2"	89	1/4	6
RBITP-26	2	6"	150	1/4	6
RBITP-32	3	1-15/16"	49	5/16	6
RBITP-33	3	2-3/4"	70	5/16	6
RBITP-34	3	3-1/2"	89	5/16	6
RBITP-36	3	6"	150	5/16	6



Sold in Pkgs. of:
 1-15/16" & 2-3/4" - Pkg of 50
 3-1/2" - Pkg of 10
 6" - Pkg. Of 5

Slotted 1/4" Hex Insert

Part Number	Screw Size	Overall Length	
		In.	mm
RBITS-11	4F-5R	1"	25
RBITS-21	6F-8R	1"	25
RBITS-31	8F-10R	1"	25



Sold in Pkg. Of 100

Slotted 1/4" Hex Power

Part Number	Screw Size	Overall Length	
		In.	mm
RBITS-82	8F-10R	1-15/16"	49
RBITS-83	8F-10R	2-3/4"	70



Sold in Pkg. Of 50

Square Recess 1/4" Hex Insert

Part Number	Screw Size	Point Size	Nominal Size		Overall Length	
			In.	mm	In.	mm
RBITR-1	3 & 4	1	1/16"	1.6	1"	25
RBITR-2	5, 6 & 7	2	3/32"	2.4	1"	25



Sold in Pkg. Of 100

Square Recess 1/4" Hex Power

Part Number	Screw Size	Point Size	Nominal Size		Overall Length	
			In.	mm	In.	mm
RBITR-12	3 & 4	1	1/16"	1.6	1-15/16"	49
RBITR-22	5, 6 & 7	2	3/32"	2.4	1-15/16"	49



Sold in Pkg. Of 50

Torx® 1/4" Hex Insert

Part Number	Driver Size	Overall Length	
		In.	mm
RBITT-10	T-10	1"	25
RBITT-15	T-15	1"	25
RBITT-20	T-20	1"	25
RBITT-25	T-25	1"	25
RBITT-30	T-30	1"	25
RBITT-40	T-40	1"	25



Sold in Pkg. Of 100

BIT HOLDERS AND NUTSETTERS

Magnetic Bit Holder 1/4" Hex Power Drive

Part Number	Description	Overall Length In.	Overall Length mm
RHOB-3	One Piece Construction	3"	76
RHOB-6	Two Piece Construction	6"	150



Sold in Pkgs. of:
3" - Pkg of 10
6" - Pkg of 5

Magnetic Nutsetter 1/4" Hex Power Drive

Part Number	Hex Opening	Overall Length In.	Overall Length mm	Nose In.	Dia. mm
RSEN-14S	1/4"	1-3/4"	44	7/16"	11
RSEN-516S	5/16	1-3/4"	44	1/2"	13
RSEN-38S	3/8	1-3/4"	44	9/16"	14
RSEN-14L	1/4	2-9/16"	65	7/16"	11
RSEN-516L	5/16	2-9/16"	65	1/2"	13
RSEN-38L	3/8	2-9/16"	65	9/16"	14
RSEN-716L	7/16	2-9/16"	65	11/16"	18
RSEN-146	1/4"	6"	150	7/16"	11
RSEN-5166	5/16	6"	150	1/2"	13
RSEN-386	3/8	6"	150	9/16"	14



1-3/4" Sold in Pkg. Of 10



2-9/16" Sold in Pkg. Of 10



6" Sold in Pkg. Of 5

Extension, 1/4" Hex Power Drive X 1/4" Male Square

Part Number	Type of Lock	Overall Length In.	Overall Length mm
REXP-142	Ball	2"	51



Sold in Pkg. Of 10

JAR MERCHANDISERS FOR SCREWDRIVER TIPS AND BIT HOLDERS

#2 Phillips Bits 1/4" Hex, 1" OAL 500 Pieces in a Jar

Part #	Description
RJAR-500	1/4" Hex, 1" OAL #2 Phillips Bits in Jar

One Piece Magnetic Bit Tip Holder 1/4" Hex 100 pieces in Jar

Part #	Description
RJAR-100H	1/4" Hex, 3" OAL 1- piece Mag. Bit tip Holder
RJAR-1	ROCKHARD DISPLAY JAR



Sold Individually

Torx® is a Registered Trademark of Camcar, Div. of Textron; Phillips® is a Registered Trademark of Phillips Screw Co.

MEGAPRO® 15in1 SCREWDRIVERS



MEGAPRO® 15in1 STANDARD PART NO. RMEGA-DR01

All of our 15-in-1 screwdrivers come loaded with industrial quality double-ended bits that can also be used with most power tools and cordless screwdrivers. Every MegaPro 15-in-1 screwdriver comes with seven double-ended bits or 14 different sizes of screwdriver bits in the most common bit types. Shaft opening is 1/4" nut driver.



MEGAPRO® 15in1 TAMPERPROOF PART NO. RMEGA-DR02

This 15-in-1 is a must for all commercial/industrial tradesmen, (Electricians, Locksmiths, etc.). The 15-in-1 Tamperproof comes loaded with the most common security bits, including Spanner, Hex Pin and Star Pin.



MEGAPRO® 15in1 STAINLESS STEEL PART NO. RMEGA-DR03

This very popular MegaPro screwdriver has a stainless steel shaft and comes loaded with electroless nickel-plated bits. Ideal for use in outdoor environments and marine applications.



MEGAPRO® MEGALOK® MEGALOK PART NO. RMEGA-DR04

The newest addition to the MegaPro family is also the most versatile. The new Quick Change coupler makes using all standard 1/4" power tool accessories like nut drivers, socket adapters, etc. a snap. Now you can share all your 1/4" power tool accessories with a hand tool.



MINIMUM PURCHASE OF DRIVERS IS FIVE PER STYLE, PRICED INDIVIDUALLY

MEGAPRO ACCESSORIES

GENERAL SPECIFICATIONS: 1/4" x 2" Hex shank Double End Bits S2 Steel HRC 60 ± 2

DOUBLELOK - RAPID LOAD, QUICK CHANGE BITS DESIGNED FOR USE WITH POWER TOOLS



PART NUMBER	DESCRIPTION
RMEGA-TF01	Flat (Slot) Bit 4-6 Doublelok
RMEGA-TP01	Phillips Bit 0-3 Doublelok
RMEGA-TP02	Phillips Bit 1-2 Doublelok
RMEGA-TSQ1	Square (Robertson) Bit 0-3 Doublelok
RMEGA-TSQ2	Square (Robertson) Bit 1-2 Doublelok
RMEGA-TT01	Star (Torx) Bit 10-15 Doublelok
RMEGA-TT02	Star (Torx) Bit 20-25 Doublelok

TAMPERPROOF - USE WITH TAMPERPROOF SCREWDRIVER ONLY



PART NUMBER	DESCRIPTION
RMEGA-THX1	Hex (Allen) Pin Bit 1/8" - 9/64"
RMEGA-THX2	Hex (Allen) Pin Bit 5/32" - 3/16"
RMEGA-TSP1	Spanner Bit 6-8
RMEGA-TSP2	Spanner Bit 10-12
RMEGA-TTP1	Star (Torx) Pin Bit 10-15
RMEGA-TTP2	Star (Torx) Pin Bit 20-25
RMEGA-TTP3	Star (Torx) Pin Bit 27-30

EXTENSIONS - CAN BE USED WITH ALL MEGAPRO SCREWDRIVERS

PART NUMBER	DESCRIPTION
RMEGA-EXT6	6" Aluminum Extension

MERCHANDISERS

High Visibility Counter-Top Display available at no additional cost with qualifying order of sets listed below.

20 PIECE DISPLAYS

MULTI-DRIVERS

- 8 Standard Drivers
 - 4 Tamperproof Drivers
 - 4 Stainless Steel Drivers
 - 4 Megalok Drivers
- Part No. RMEGA-SET1**

STANDARD DRIVERS

- 20 Standard Drivers
- Part No. RMEGA-SET2**



6 PACK DISPLAYS

UTILITY PACK

- 6 Standard Drivers
- Part No. RMEGA-SET3**

SECURITY PACK

- 6 Tamperproof Drivers
- Part No. RMEGA-SET4**

OUTDOOR PACK

- 6 Stainless Steel Drivers
- Part No. RMEGA-SET5**

QUICK-LOK PACK

- 6 Megalok Drivers
- Part No. RMEGA-SET6**



ROCKHARD HACKSAW BLADES



Displays

- ◆ 397 : 600 blades (all references)
- ◆ 398 : 600 Bihard blades

Size	Teething D/cm - T/inch				Packing unit	Weight
	6 D - 14 T	8 D - 18 T	10 D - 24 T	12 D - 32 T		

ULTRA® BI-HARD COBALT

Raker setting gives smoother cut ▶



The Ultimate Safety Blade



High Speed Steel with Cobalt • Staged hardness • Raker set • Flexible, shatterproof and supple with great strength

300 x 13 x 0,65 mm 12 x 1/2 x 0,025 inches			UCBH 18T-100	UCBH 24T-100	UCBH 32T-100	 Box of 100 blades	2000 g
			UCBH 3218-100	18T/24T/32T All in one blade			
			UCBH 18T-2	UCBH 24T-2	UCBH 32T-2		

ULTRA® TRILENIUM

The Flexible Blade



Bi-Metal • Wavy set • Flexible • Shatterproof and long lasting

300 x 13 x 0,65 mm 12 x 1/2 x 0,025 inches			UTL 18T-100	UTL 24T-100	UTL 32T-100	 Box of 100 blades	2000 g

ULTRA® FLEX

Super Speed Blade



Alloy steel • Wavy set • Unbreakable, suited for cutting softer materials

300 x 13 x 0,65 mm 12 x 1/2 x 0,025 inches			UF 18T-100	UF 24T-100	UF 32T-100	 Box of 100 blades	2000 g
			UF 18T-2	UF 24T-2	UF 32T-2	 Pack of 2 blades	46,60 g

ULTRA® 66D

Precision



- ◆ Strong metallic structure
- ◆ Polymer coated ergonomic handle including thumb rest designed for secure grip
- ◆ Tension system features quick release handle for easy blade change. Frame applies up to 225 lbs. tension to the blade.
- ◆ Easy and quick tension setting adjustment knob
- ◆ One position flush cutting angle at 45 degree available
- ◆ High precision guidance thanks to the blade positioning in the frame axis
- ◆ Precise blade guidance available due to the unique frame angle
- ◆ Supplied with a ULTRA MASTER TDA blade
- ◆ **Packaging** : boxed 12 per carton

ULTRA® 73

Professional



- ◆ Strong metallic structure
- ◆ Rectangular tube offers space to store 6 blades
- ◆ Blade can be positioned for vertical and flush cuts
- ◆ Supplied with a BiHard Colbalt
- ◆ **Packaging** : boxed 6 per carton

ULTRA® 33

Compact, Heavy Duty



- ◆ Heavy duty unbreakable light alloy handle
- ◆ Steel bow section chrome polished with storage for spare blades
- ◆ One position flush cutting angle
- ◆ Robust and compact frame that requires minimum storage place
- ◆ Supplied with a BiHard Colbalt blade
- ◆ **Packaging** : boxed 10 per carton

ULTRA® 71

Light Weight



- ◆ Safety PVC black handle
- ◆ Rectangular tube offers space for blade Storage
- ◆ Supplied with a flex blade
- ◆ **Packaging** : boxed 10 per carton

ULTRA® 64

Mini Saw



- ◆ Blade can be fully adjusted and can be used with any hacksaw blade, even broken ones
- ◆ Metal frame and plastic handle
- ◆ **Packaging** : boxed 5 per carton

ULTRA® 81

General Purpose Saw



- ◆ Lacquered light-alloy handle
- ◆ Delivered with a 300 mm (12") bimetal blade ref. 9108 (all ULTRA® reciprocating saw blades fit)
- ◆ 8 position blade fastening system
- ◆ **Packaging** : boxed 5 per carton



HOW TO SELECT The Correct Jigsaw Blade

Display

♦ 329 : L26" X H21" X P4" 12 hooks

According to the material to be sawed, choose the correct color blade

					for ordinary cut
wood	plywood	chipboard	plastic		for fine cut
					for ordinary cut
steel	non ferrous metal				for precise cut
fiberglass	tile	brick			
ceramic	tile	brick			

Depending on the make and model of machine, choose the correct blade with the type of shank which fits your machine

**T-SHANK
8000**



AEG - BOSCH - HOLZ-HER
ELU - HITACHI - MAKITA - METABO
PEUGEOT (PRO) - DEWALT

**UNIVERSAL
8600**



BLACK & DECKER - HITACHI
RYOBI - SKIL - STANLEY

Depending on the quality of cut, choose the correct teeth

For an ordinary cut, choose milled and wavy teeth : ▼

For fine and fast cutting, choose sharpened and raker teeth : ▼▼

For precise, fine and fast cutting, choose a ground sharpened blade : ▼▼▼

To avoid splinters on the accessible side, choose a down stroke blade :
down stroke cutting

NEW JIGSAW BLADE PACKAGING

New packaging displays easy to read details and pictures in order to help customers select the right blade.

Wood
8001 HCS x2

Metal
8008 HSS x5

Composite Material
8040 HM x2

3 color cards for
3 kinds of material to be cut

Shank ▶
Typical tools using this shank design.

Product Reference ▶ 8040
Blade Material ▶ HM
Number of Blades ▶ x2
Application ▶
Materials to be Cut ▶

Bar Code

BOSCH
AEG
CASALS
DEWALT
ELU
FESTO
HITACHI
HOLZ-HER
MAKITA
METABO
MILWAUKEE

ULTRA

8040

HM

x2

50 mm

15 mm

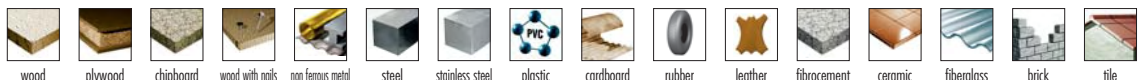
15 mm

T-SHANK



ULTRA® code & Features	Shapes	Length x Pitch mm x mm inch x teeth per inch	Application & Use
8001-5, 8001-100 Ground sharpened / CV		100 x 2,5 4 x 10	30mm 1 3/16"
8002-5, 8002-100 Ground sharpened / CV		100 x 4 4 x 6	50mm 2" Fast cut
8003-5, 8003-100 Milled / Raker / CV		100 x 3 4 x 8	50mm 2"
8004-5, 8004-100 Milled / Wavy / CV		76 x 1,2 3 x 21	15mm 5/8"
8005-5 Milled / Wavy / CV		76 x 2,5 3 x 10	30mm 1 3/16"
8006-5, 8006-100 Sharpened / Raker / CV		100 x 4 4 x 6	50mm 2" Fast cut
8007-5, 8007-100 Sharpened / Raker / CV		100 x 4 4 x 6	50mm 2"
8008-5 Ground milled / HSS		100 x 3 4 x 8	10mm 3/8" Fast cut
8009-5, 8009-100 Milled / Wavy / HSS		76 x 1,2 3 x 21	3mm 1/8" 6mm 1/4"
8010-5 Milled / Wavy / HSS		76 x 1,2 3 x 21	3mm 1/8" 6mm 1/4"
8011-5, 8011-100 Milled / Wavy / HSS		76 x 2,5 3 x 10	6mm 1/4" 10mm 3/8"
8012-5 Milled / Wavy / HSS		76 x 0,8 3 x 32	1.5mm 1/16" 3mm 1/8"
8013-5, 8013-100 Milled / Raker / HSS		100 x 3 4 x 8	10mm 3/8"
8015-5 Milled / Wavy / CV		76 x 2,5 3 x 10	30mm 1 3/16" Small radius
8016-5 Milled / Wavy / HSS		126 x 1,2 5 x 21	80mm 3 1/8" 3mm 1/8"
8017-5 Milled / Raker / HSS		126 x 3 5 x 8	80mm 3 1/8" 6mm 1/4"

▼ : Ordinary cut
 ▼▼ : Fine cut
 ▼▼▼ : Super fine cut
 ~ : Contouring
 CV : Chrome Vanadium steel
 HSS : High Speed Steel
 BIM : Bi-metal



ROCKHARD JIGSAW BLADES

T-SHANK



ULTRA® code & Features	Shapes	Length x Pitch mm x mm inch x teeth per inch	Application & Use
8018-5, 8018-100 Ground sharpened / CV		100 x 2,5 4 x 10	30mm 1 3/16"
8019-5 Milled / Wavy / BIM		116 x 1,2 4 9/16 x 21	3mm 1/8" 6mm 1/4"
8021-5 Ground sharpened / BIM		100 x 4 4 x 6	60mm 2 3/8"
8022-5 Ground sharpened / CV		116 x 4 4 9/16 x 6	75mm 3"
8023-5 Milled / Raker / CV		126 x 3 5 x 8	For dimensional lumber
8024-5 Milled / Raker / CV		126 x 4 5 x 6	For dimensional lumber
8033-5 Milled / Wavy / BIM		76 x 1,2 3 x 21	3mm 1/8" 6mm 1/4" General purpose
8040-2 Carbide grit		76 3	
8075-5 Milled / Wavy / Titanium		76 x 1,8/2,5 3 x 14/10	
8076-5 Ground Sharpened / CV		117 x 4 4 5/8 x 6	60mm 2 3/8" 60mm 2 3/8"
8077-5 Ground Sharpened / CV		82 x 1,4 4 5/8 x 19	15mm 5/8" 15mm 5/8"
8078-5 Ground Sharpened / Progressive / CV		100 x 2,7 4 x 10	30mm 1 3/16" 30mm 1 3/16"
8079-5 Ground teeth & taper ground progressive / CV		100 x 4,5/2 4 x 6,4/4,9	50mm 2" 50mm 2"
8080-5 Raker / Sharpened / CV		152 x 4 6 x 6	100mm 4"
8081-5 Milled / Wavy / HSS		91,5 x 1,2 3 5/8 x 21	3mm 1/8"
8082-3 Milled / Wavy / BIM		180 x 2 7 3/32 x 13	65mm 2 9/16"
8083-5 Milled / Raker / Progressive / BIM		132 x 2,4/5 5 3/16 x 10,6/5,1	80mm 3 1/8" 3mm 1/8"

▼ : Ordinary cut
 ▼▼ : Fine cut
 ▼▼▼ : Super fine cut
 ~ : Contouring
 CV : Chrome Vanadium steel
 HSS : High Speed Steel
 BIM : Birmetal



UNIVERSAL SHANK



ULTRA® code & Features	Shapes	Length x Pitch mm x mm inch x teeth per inch	Application & Use
8601-5, 8601-100 Sharpened / Raker / CV		100 x 4 4 x 6	50mm 2" ▼ Fast cut
8602-5 Milled / Raker / CV		70 x 2,5 2 3/4 x 10	30mm 1 3/16" ▼
8603-5, 8603-100 Milled / Raker / CV		91,5 x 3 3 5/8 x 8	50mm 2" ▼
8604-5 Milled / Wavy / HSS		70 x 2,5 2 3/4 x 10	6mm 1/4" 10mm 3/8" ▼
8605-5 Milled / Wavy / HSS		70 x 0,8 2 3/4 x 32	2mm 1/12" 3mm 1/8" ▼
8606-5, 8606-100 Ground sharpened / CV		100 x 2,5 4 x 10	30mm 1 3/16" ▼▼▼
8608-5 Ground sharpened / CV		100 x 4 4 x 6	50mm 2" ▼▼▼ Fast cut
8610-5 Milled / Wavy / CV		70 x 2,5 2 3/4 x 10	30mm 1 3/16" ↻ Small radius
8611-5 Sharpened / Raker / CV		91,5 x 4 3 5/8 x 6	60mm 2 3/8" ↻
8613-5 Milled / Raker / HSS		91,5 x 3 3 5/8 x 8	10mm 3/8" ▼
8615-5, 8615-100 Milled / Wavy / HSS		70 x 1,2 2 3/4 x 21	4mm 5/32" 6mm 1/4" ▼
8618-5 Ground sharpened / CV		91,5 x 2,5 3 5/8 x 10	30mm 1 3/16" Down stroke cut

▼ : Ordinary cut
 ▼▼ : Fine cut
 ▼▼▼ : Super fine cut
 ↻ : Contouring
 CV : Chrome Vanadium steel
 HSS : High Speed Steel
 BIM : Bi-metal



ROCKHARD JIGSAW BLADES

UNIVERSAL SHANK



ULTRA® code & Features	Shapes	Length x Pitch mm x mm inch x teeth per inch	Application & Use
8620-5 Milled / Raker / BIM		116 x 3 4 9/16 x 8	1/4" 10mm 3/8" Shatterproof
8621-5 Ground sharpened / BIM		100 x 4 4 x 6	50mm 2" Shatterproof
8623-5 Milled / Raker / CV		126 x 3 5 x 8	80mm 3 1/8" 65mm 2 9/16" Shatterproof
8624-5 Milled / Raker / CV		126 x 4 5 x 6	For dimensional lumber Fast cut
8633-5 Milled / Wavy / BIM		70 x 1,2 3 x 18	3mm 1/8" 6mm 1/4" General purpose
8640-2 Carbide		70 2 3/4	Shatterproof
8683-5 Milled / Raker / Progressive / BIM		125 x 2,4/5 5 x 10,6/5,1	65mm 2 9/16" 10mm 3/8" Fast Cut



8050 ◀ **5 assorted blades** : 8001, 8005, 8006, 8009, 8015

8650 **5 assorted blades** : 8601, 8603, 8606, 8613, 8615 ▶



▼ : Ordinary cut
 ▼▼ : Fine cut
 ▼▼▼ : Super fine cut
 CV : Chrome Vanadium steel
 HSS : High Speed Steel
 BIM : Bi-metal



UNIVERSAL



ULTRA® code & Features	Shapes	Length x Pitch mm x mm inch x teeth per inch	Application & Use
8809-5 BIM		90 x 1,8 3 9/16 x 14	 > 1/12"
8811-5 BIM		90 x 1,1 3 9/16 x 24	 > 1/12"
8812-5 BIM		90 x 0,8 3 9/16 x 32	 < 1/12"



ULTRA "HEAVY DUTY" BI-METAL RECIPROCATING SAW BLADES



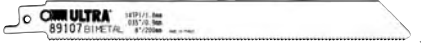






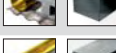


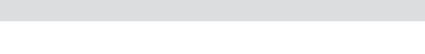

Super aggressive blades for tough cutting jobs. Manufactured with new laser technology. These blades out last standard blades and offer new "TDA" tooth pattern for faster cutting.

CAT. #	SHAPE	L x W x T x TPI (INCHES) L x W x T x TPI (mm)	RECOMMENDED USE
99054-5, 50		3-1/2 x 5/16 x .035 x 14TPI 90 x 6 x 0.9 x 1.8TPI	6mm 1/4" 10mm 3/8"
99055-5, 50		3-1/2 x 5/16 x .035 x 18TPI 90 x 6 x 0.9 x 1.4TPI	3mm 1/8" 6mm 1/4" General Purpose
99067-5, 50		4 x 3/4 x .035 x 14TPI 100 x 20 x 0.9 x 1.8TPI	6mm 1/4" 10mm 3/8"
99068-5, 50		4 x 3/4 x .035 x 18TPI 100 x 20 x 0.9 x 1.4TPI	3mm 1/8" 6mm 1/4" General Purpose
99040-5, 50		4 x 3/4 x .035 x 24TPI 100 x 20 x 0.9 x 1TPI	3mm 1/8" 6mm 1/4" General Purpose
99057-5, 50		6 x 3/4 x .035 x 6TPI 150 x 20 x 0.9 x 4.2TPI	< 100mm < 4"
89203-5, 50		6 x 3/4 x .050 x 6TPI 150 x 20 x 1.27 x 4.2TPI	< 100mm < 4"
99058-5, 50		6 x 7/16 x .050 x 6TPI 150 x 11 x 1.27 x 4.2TPI	< 100mm < 4"
99050-5, 50		6 x 3/4 x .035 x 6TPI 150 x 20 x 0.9 x 4.2TPI	< 100mm < 4"
89104-5, 50		6 x 3/4 x .035 x 10TPI 150 x 20 x 0.9 x 2.5TPI	< 100mm < 4" < 6 to 10mm < 1/4 to 3/8"
89105-5, 50		6 x 3/4 x .035 x 5/8TPI 150 x 20 x 0.9 x 5.1-3.2TPI	< 100mm < 4"
99082-5, 50		6 x 3/4 x .050 x 5/8TPI 150 x 20 x 1.27 x 5.1-3.2TPI	< 100mm < 4"
89103-5, 50		6 x 3/4 x .035 x 14TPI 150 x 20 x 0.9 x 1.8TPI	150 to 230mm 6 to 9"
89202-5, 50		6 x 3/4 x .050 x 14TPI 150 x 20 x 1.27 x 1.8TPI	solid < 6mm profile < 100mm < 1/4" < 4"
89102-5, 50		6 x 3/4 x .035 x 18TPI 150 x 20 x 0.9 x 1.4TPI	solid < 3mm profile < 100mm < 1/8" < 4"
89201-5, 50		6 x 3/4 x .050 x 18TPI 150 x 20 x 1.27 x 1.4TPI	solid < 3mm profile < 100mm < 1/8" < 4"
99086-5, 50		6 x 3/4 x .050 x 10/14TPI 150 x 20 x 1.27 x 2.5-1.8TPI	< 100mm < 4" < 6 to 10mm < 1/4 to 3/8"
89101-5, 50		6 x 3/4 x .035 x 24TPI 150 x 20 x 0.9 x 1TPI	< 100mm < 4"
99061-1, 25		6 x 3/4 x .031 Grit 150 x 20 x 0.8 Grit	< 100mm < 4"
89012-1, 25		8 x 3/4 x .031 Grit 200 x 20 x 0.8 Grit	< 100mm < 4"

▽ : Ordinary cut
 ▼ : Fine cut
 ▼▼ : Super fine cut
 ∩ : Contouring
 CV : Chrome Vanadium steel
 HSS : High Speed Steel
 BIM : Bi-metal

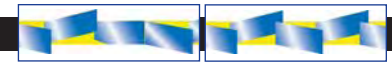


ULTRA "HEAVY DUTY" BI-METAL RECIPROCATING SAW BLADES CONTINUED



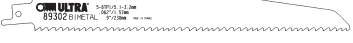





CAT. #	SHAPE	L x W x T x TPI (INCHES) L x W x T x TPI (mm)	RECOMMENDED USE
89109-5, 50		8 x 3/4 x .035 x 10TPI 200 x 20 x 0.9 x 2.5TPI	 < 150mm < 6"
89107-5, 50		8 x 3/4 x .035 x 14TPI 200 x 20 x 0.9 x 1.8TPI	 100 to 150mm 4 to 6"
89106-5, 50		8 x 3/4 x .035 x 18TPI 200 x 20 x 0.9 x 1.4TPI	 100 to 150mm 4 to 6"
89206-5, 50		9 x 3/4 x .050 x 6TPI 230 x 20 x 1.27 x 4.2TPI	 100 to 180mm 4 to 7"
89205-5, 50		9 x 3/4 x .050 x 14TPI 230 x 20 x 1.27 x 1.8TPI	 100 to 150mm 4 to 6"
89208-5, 50		12 x 3/4 x .050 x 6TPI 300 x 20 x 1.27 x 4.2TPI	 < 150mm < 6"
89207-5, 50		12 x 3/4 x .050 x 14TPI 300 x 20 x 1.27 x 1.8TPI	 180 to 250mm 7 to 10"

"EXTREME" BI-METAL BLADES

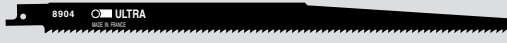




















Stronger, thicker, multi-purpose bi-metal blades for the cutting of various materials.



Raker Setting **TDA Setting**

CAT. #	SHAPE	L x T x TPI (INCHES) L x T x TPI (mm)	RECOMMENDED USE
89301-3, 25		6 x .062 x 5/8TPI 150 x 1.57 x 5.1-3.2TPI	 < 100mm < 4"
89302-3, 25		9 x .062 x 5/8TPI 230 x 1.57 x 5.1-3.2TPI	 100 to 150mm 4 to 6"
89303-3, 25		12 x .062 x 5/8TPI 300 x 1.57 x 5.1-3.2TPI	 150 to 300mm 6 to 9"
89304-3, 25 400 x 1.2 x 6.4TPI		16 x .050 x 4TPI	 < 330mm < 13"

CONVENTIONAL (CV OR CARBON STEEL BLADES)

CAT. #	SHAPE	L x T x TPI (INCHES) L x T x TPI (mm)	RECOMMENDED USE
9008-5, 10 Raker / CV		12 x 6TPI 300 x 4.2TPI	 180 to 250mm 7 to 10"
9004-5, 10 Raker / CV		6 x 3TPI 150 x 8.5TPI	 < 100mm < 4"
9006-5, 10 Raker / CV		9 x 3TPI 230 x 8.5TPI	 100 to 180mm 4 to 7"
9003-5, 10 Raker / CV		6 x 6TPI 150 x 4.2TPI	 < 100mm < 4"
9005-5, 10 Raker / CV		6 x 6TPI 150 x 4.2TPI	 < 100mm < 4"
9007-5, 10 Raker / CV		9 x 4.5TPI 240 x 4.25.6TPI	 < 180mm < 7"
9001-5, 10 Raker / CV		6 x 10TPI 150 x 2.5TPI	 < 100mm < 4"
9002-5, 10 Raker / CV		12 x 10TPI 300 x 2.5TPI	 100 to 180mm 4 to 7"  100 to 130mm 4 to 5"
9011-1 Carbide Tipped / Raker / CB		6 x 6TPI 150 x 4.25TPI	 < 100mm < 4"
9013-1 Carbide Tipped / Raker / CB		9 x 3TPI 230 x 8.5TPI	 < 150mm < 6"



VARIABLE PITCH HOLE SAW SC

USE

- ◆ For a wide range of applications from production and maintenance to the electrical and building trades.

CHARACTERISTICS

- ◆ Thicker bottom.
- ◆ 4/6 variable tooth pitch with positive angle to reduce vibrations.
- ◆ Cutting depth : 1-3/8".

PACKAGING

- ◆ SC : Unit cardboard box from 9/16 - 8".



HOLE SAW SC



HOLE SAW SCF



FINE PITCH HOLE SAW SCF

USE

- ◆ For fine cuts in metal sheets and are particularly recommended for cutting tubes as sudden stoppages due to binding are greatly reduced.

CHARACTERISTICS

- ◆ Thicker bottom blade.
- ◆ 10 TPI fine pitch.
- ◆ Cutting depth : 1-3/8".

PACKAGING

- ◆ Unit SC cardboard box from 9/16 - 8 2/7".
- ◆ Unit blister pack SCF from 9/16 - 2-3/4".

ACCESSORIES FOR HOLE SAWS SC - SCF

Types	Characteristics	ULTRA® codes
HEAVY DUTY MANDRELS		
	Mandrel fitted with a HSS SC6 pilot drill. Driving drill Ø 6,35 mm (1/4")	SC 1
	Mandrel fitted with a HSS SC12 pilot drill. Hexagonal driving shaft 9,5 mm (3/8")	SC 2 R
	Mandrel fitted with a HSS SC12 pilot drill with 2 driving pins Hexagonal driving shaft 11,11 mm (7/16")	SC 3
	Mandrel fitted with a HSS SC12 pilot drill with 2 driving pins Hexagonal driving shaft 9,5 mm (3/8")	SC 3 R
	Mandrel similar to a SC2R fitted with a HSS SC12 pilot drill SDS driving shank to fit on a drilling machine after stopping hammering action	SD 2
	Mandrel similar to a SC3 fitted with a HSS SC12 pilot drill SDS driving shank to fit on a drilling machine after stopping hammering action	SD 3
UTILITY MANDRELS		
	Mandrel fitted with a HSS SC6 E pilot drill. Driving bit Ø 6,35 mm (1/4")	SC 1 E
	Mandrel fitted with a HSS SC6 E pilot drill. Hexagon Driving Shaft Ø 1 mm (7/16")	SC 2 E
	Mandrel fitted with a HSS SC6 E pilot drill. With Two Driving Pins Ø 11 mm (7/16")	SC 3 E
	Mandrel fitted with a HSS SC6 E pilot drill. Driving Bit Ø 6,35 mm (1/4")	SC 7E
	HSS pilot drill Ø 6,35 mm (1/4") L : 117 mm (4 5/8"). To fit SC 1	SC 6
	HSS pilot drill Ø 6,35 mm (1/4") L : 117 mm (4 5/8"). To fit SC 1	SC 6E
	HSS pilot drill Ø 6,35 mm (1/4") L : 81 mm (3 3/16"). To fit SC 2 R and SC 3	SC 12
	Adapter for morse cone n°2 and mandrels SC 2 R and SC 3	SC 4
	Extension bar L:12" mm Hex. 11,11 mm (7/16") to fit SC 3	SC 5
	Ejector spring to clean off the cut piece	SC 11
	Spare screws for mandrels SC 1 - SC 2 R - SD 2 (10 bag per) Spare screws for mandrels SC 3 - SD 3 (10 bag per)	SC 120 SC 300
	Arbor adapter to fit mandrel SC 2 R	SC 9

DIAMETERS OF THE HOLE SAWS SC - SCF



ULTRA® code	ULTRA® code	O (inches)	Ø (mm)	Pipe Tap (inches)	Pipe Entrance (inches)	Fitting mandrel
SC 14		9/16	14,3			SC 1 or SC 2 R or SD 2 SC1E SC2E
SC 16	SCF 16	5/8	15,9			
SC 17		11/16	17,5			
SC 18		23/32	18,2			
SC 19	SCF 19	3/4	19	1/2	3/8	
SC 20		25/32	20			
SC 21	SCF 21	13/16	20,7			
SC 22	SCF 22	7/8	22,2	3/4	1/2	
SC 24	SCF 24	15/16	23,8			
SC 25	SCF 25	1	25,4			
SC 27	SCF 27	1 1/16	27			
SC 28		1 3/32	28,1			
SC 29	SCF 29	1 1/8	28,6	1	3/4	
SC 30		1 3/16	30,2			
SC 32	SCF 32	1 1/4	31,8			
SC 33		1 5/16	33,3			
SC 35	SCF 35	1 3/8	34,9		1	
SC 37		1 7/16	36,5			
SC 38	SCF 38	1 1/2	38,1	1 1/4		
SC 40	SCF 40	1 9/16	39,7			
SC 41		1 5/8	41,3			
SC 43	SCF 43	1 11/16	42,9			
SC 44	SCF 44	1 3/4	44,5	1 1/2	1 1/4	
SC 46		1 13/16	46			
SC 48		1 7/8	47,6			
SC 49	SCF 49	1 15/16	49,7			
SC 51	SCF 51	2	50,8		1 1/2	
SC 52		2 1/16	52,4			
SC 54		2 1/8	54			
SC 57		2 1/4	57,2	2		
SC 59		2 5/16	58,7			
SC 60	SCF 60	2 3/8	60,3			
SC 61	SCF 61	2 13/32	61,7			
SC 64	SCF 64	2 1/2	63,5		2	
SC 65	SCF 65	2 9/16	65,1			
SC 67		2 5/8	66,7	2 1/2		
SC 68		2 11/16	67,7			
SC 70		2 3/4	69,9			
SC 73		2 7/8	73			
SC 76		3	76,2		2 1/2	
SC 79		3 1/8	79,4			
SC 83		3 1/4	82,6	3		
SC 86		3 3/8	85,7			
SC 89		3 1/2	88,9			
SC 90	SCF90	3 9/16	90,9			
SC 92		3 5/8	92,1		3	
SC 95		3 3/4	95,3	3 1/2		
SC 98		3 7/8	98,4			
SC 102		4	101,6			
SC 103		4 1/16	103,7			
SC 105		4 1/8	104,8		3 1/2	
SC 108		4 1/4	108	4		
SC 111		4 3/8	111,1			
SC 114		4 1/2	114,3	4 1/2		
SC 121		4 3/4	120,7			
SC 127	SCF127	5	127			
SC 140		5 1/2	139,7			
SC 152		6	152,4			
SC 160		6 4/13	160			
SC 168		6 8/13	168			
SC 177		7	177			
SC 210		8 2/7	210			



DIAMETERS OF THE HOLE SAWS TCT - TC - TD

CARBIDE TIPPED HOLE SAW TCT



USE

- Drilling abrasive material such as fibre glass, plaster, ceramics, reinforced plastics... Exceptionally high wear resistance gives a long life and allows the use of high cutting speeds. **Do not use these blades for cutting steel or with the percussion action on portable machines.**

CHARACTERISTICS

- Solid sharpened carbide teeth welded to a treated steel body.
- 4 TPI.
- Cutting depth : 1-3/8".
- Laser marking.

PACKAGING

- Unit blister pack from 3/4 - 2-3/4".
- Unit cardboard box from 3-1/8 - 6".

CARBIDE GRIT HOLE SAW TC



USE

- Drilling very abrasive materials such as ceramics, asbestos, tiles, bricks, slates. **Do not use percussion features on portable drilling machines.**

CHARACTERISTICS

- Cutting depth : 1-3/8".
- A gulletted deposit of carbide grain grit, on a treated steel body.

PACKAGING

- Unit blister pack from 9/16 - 2-3/4".
- Unit cardboard box from 3 - 6".

DIAMOND GRIT HOLE SAW TD



USE

- Drilling very tough and abrasive material and composite which were until now difficult to drill, such as : enamel, tough ceramic, varnished ceramic, graphite, glass, aluminum, composite material, marble, cast iron...

Frequent lubricating essential for enamel, ceramics, glass and marble.

Do not use cutting fluids when working with composite materials and reinforced polyester.

CHARACTERISTICS

- Continuous deposit of diamond grit.
- Electrolytic area processing.
- Norm : US mech = 40-50.
- Granulometry : size = 420-300.
- Laser marking.

PACKAGING

- Unit blister with directions for use.

SCF ULTRA® code	Trepan ULTRA® code	ULTRA® code	Diameter Ø (inches)	Diameter Ø (mm)	Pipe Tap (inches)	Pipe Entrance (inches)	Fitting mandrels
	TC 14		9/16	14,3			
	TC 16		5/8	15,9			
	TC 17		11/16	17,5			
TCT 19	TC 19	TD 19	3/4	19	1/2	3/8	
TCT 21	TC 21		13/16	20,7			TC 1
TCT 22	TC 22	TD 22	7/8	22,2	3/4	1/2	or TC 2 R
TCT 24	TC 24		15/16	23,8			
TCT 25	TC 25	TD 25	1	25,4			
TCT 27	TC 27		1 1/16	27			
TCT 29	TC 29	TD 29	1 1/8	28,6	1	3/4	
TCT 30	TC 30		1 3/16	30,2			
TCT 32	TC 32		1 1/4	31,8			
TCT 35	TC 35	TD 35	1 3/8	34,9		1	
	TC 37		1 7/16	36,5			
TCT 38	TC 38		1 1/2	38,1	1 1/4		
TCT 40	TC 40		1 9/16	39,7			
TCT 41	TC 41		1 5/8	41,3			
TCT 43	TC 43		1 11/16	42,9			
TCT 44	TC 44	TD 44	1 3/4	44,5	1 1/2	1 1/4	
	TC 46		1 13/16	46			
	TC 48		1 7/8	47,6			
TCT 51	TC 51	TD 51	2	50,8		1 1/2	
TCT 54	TC 54	TD 54	2 1/8	54			
TCT 57	TC 57	TD 57	2 1/4	57,2	2		
TCT 60	TC 60		2 3/8	60,3			
TCT 64	TC 64		2 1/2	63,5		2	TC 3
TCT 65	TC 65	TD 65	2 9/16	65,1			
	TC 67		2 5/8	66,7	2 1/2		
TCT 70	TC 70		2 3/4	69,9			
	TC 76		3	76,2		2 1/2	
TCT 79	TC 79		3 1/8	79,4			
TCT 83	TC 83		3 1/4	82,6	3		
TCT 89	TC 89		3 1/2	88,9			
TCT 92	TC 92		3 5/8	92,1		3	
TCT 95	TC 95		3 3/4	95,3	3 1/2		
TCT 102	TC 102		4	101,6			
TCT 105	TC 105		4 1/8	104,8		3 1/2	
	TC 111		4 3/8	111,1			
	TC 114		4 1/2	114,3	4 1/2	4	
	TC 127		5	127			
TCT 152	TC 152		6	152,4			

ACCESSORIES FOR HOLE SAWS TCT - TC - TD

Types	Characteristics	ULTRA® code
	Same as SC 1 but fitted with a carbide tip drill Ø 6,35 mm (1/4") - SC 8	TC 1
	Same as SC 2 R but fitted with a carbide tip drill Ø 6,35 mm (1/4") - SC 13	TC 2 R
	Same as SC 3 but fitted with a carbide tip drill Ø 6,35 mm (1/4") - SC 13	TC 3
	Carbide sharpened tip pilot drill for mandrel TC 1 Ø 6,35 mm (1/4") L : 117 mm	SC 8
	Carbide sharpened tip pilot drill for mandrel TC 2 R - TC 3 Ø 6,35 mm (1/4") L : 117 mm	SC 13

HOLE SAWS KITS



Installer
Ref. TCT 3860



Plumber heat specialist
Ref. SCF 3850



Maintenance Electrician



Ref. SC 3836



Electrician
Ref. SC 3831



ULTRA® has released a new range of hole saw kits designed for specific categories of user. The packaging allows for easy product identification and new pictograms make selecting the correct kit simple and accurate.

DIAMETERS OF THE HOLE SAWS KITS

Job	Reference	Ø Hole saws	Accessories
General purpose	SC 3835	5/8, 11/16, 7/8, 1-1/8, 1-3/8, 1-11/16, 2, 2-1/8, 2-9/16	SC2R-SC3-SC11-SC12
Maintenance	SC 3832	5/8, 13/16, 1, 1-1/4, 1-9/16, 2	SC1-SC3-SC11-SC6
Electrician	SC 3831	7/8, 1-1/8, 1-3/8, 1-3/4, 2, 2-9/16	SC2R-SC3-SC11-SC12
Maintenance-Electrician	SC 3836	3/4, 7/8, 1-1/8, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/4, 2-9/16	SC2R-SC3-SC11-SC12
Locksmith	SC 3851	13/16, 15/16, 1-1/16, 1-1/4, 1-3/8, 1-1/2, 1-11/16, 2-1/8, 2-3/8	SC2R-SC3-SC11-SC12
Plumber heat specialist	SCF 3850	3/4, 15/16, 1-1/8, 1-3/8, 1-9/16, 1-3/4, 1-15/16, 2, 2-13/32	SC2R-SC3-SC11-SC12
Plumber	SC 3838	3/4, 7/8, 1-1/8, 1-1/2, 1-3/4, 2-9/16	SC2R-SC3-SC11-SC12
Installer	TCT 3860	7/8, 1-1/8, 1-3/8, 1-3/4, 2, 2-9/16	TC2R-TC3-SC11-SC13

HOLE SAWS DISPLAY



DISPLAY 309

- ◆ Stands 19" x 13" x 4"
- ◆ Delivered without any hole saws
- ◆ 12 hooks



How to Choose Your Band Saw Material

The Ultra Range Charts below will help you select the proper band saw material for you application. Criteria to consider includes: quality of material-relating to number of cuts required, length of band, section type, material to be cut and toothing.

ULTRA® RANGE

Ultra offers you a full range to satisfy all your needs

	Aluminum		Bronze		Low Carbon Steels		High Carbon Steels		Alloy Steels		Bearing Steels		Steels for Molds		Tool Steels		Stainless Steels		Nickle based Stainless		Titanium	
	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids	Profiles	Solids
FURIA	[Shaded]																					
VULCA	[Shaded]																					
PROFILA	[Shaded]																					
KATANA	[Shaded]																					
TITAN	[Shaded]																					
ULTIMA	[Shaded]																					
ALUMINIA	[Shaded]																					
FLEX	[Shaded]																					
VC m/mn	+600		+100		90		70		60		45		40		20		15					

ULTRA® RANGE

- ▶ Ultra offers you a full range to satisfy all your needs
- ▶ Ultra helps you to choose the right toothing

PITCH

- Choose the toothing with the charts
- ▶ The toothing is in TPI number of teeth per inch
 - ▶ When the sections to cut are changing use a vary pitch allowing a wider application range

L (mm)	20	40	60	80	100	120	150	200	300	500
2	14	14	10/14	10/14	10/14	10/14	10/14	8/12	6/10	6/10
3	10/14	10/14	10/14	10/14	8/12	8/12	8/12	6/10	6/10	5/8
4	8/12	8/12	8/12	8/12	8/12	6/10	6/10	6/10	5/8	5/8
5	8/12	8/12	8/12	6/10	6/10	6/10	6/10	5/8	5/8	4/6
6	6/10	6/10	6/10	6/10	6/10	6/10	5/8	5/8	4/6	4/6
8	6/10	6/10	6/10	6/10	5/8	5/8	5/8	4/6	4/6	3/4
10	5/8	5/8	5/8	5/8	5/8	4/6	4/6	4/6	4/6	3/4
12	5/8	5/8	5/8	4/6	4/6	4/6	4/6	4/6	3/4	3/4
15	4/6	4/6	4/6	4/6	4/6	3/4	3/4	3/4	3/4	2/3
20	4/6	4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3	2/3
30	3/4	3/4	3/4	3/4	2/3	2/3	2/3	2/3	2/3	2/3
50					2/3	2/3	2/3	2/3	2/3	1,2/2

▶ If the unit forms hollows:
Take $E = e \times \frac{\text{Number of walls}}{2}$ Take L = length of batch and report to the table

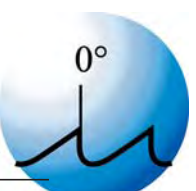
Cutting Angle

- ▶ Use a positive cutting angle for difficult material to cut or non ferrous



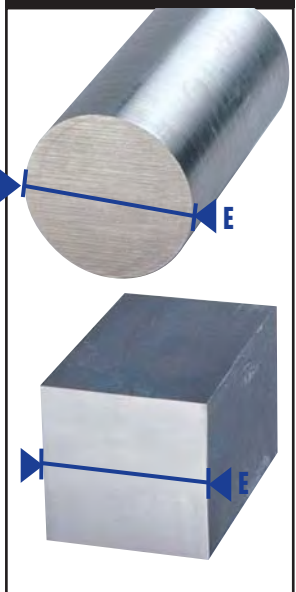
CI, VI, VII, VX, V+

- ▶ Use a neutral cutting angle for slightly alloyed construction steel and for profiles



N, VN

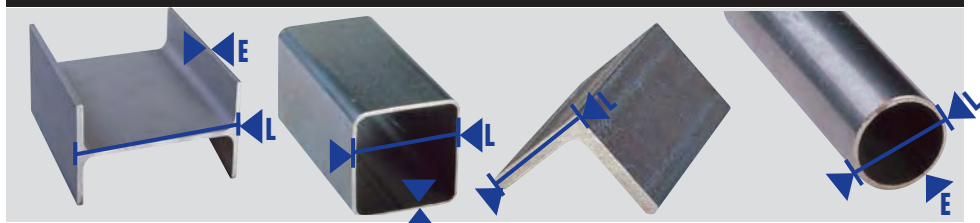
SOLID BARS



TEETH TO BE USED number of teeth per inch

Constant pitch	Thickness E	Variable pitch
18	1/16	10/14
	1/8	
14	3/16	8/12
	5/16	
10	1/2	6/10
	5/8	
8	3/4	5/8
	1-1/4	
6	1-1/2	4/6
	2-3/4	
4	4	3/4
	5-1/2	
3	7-3/4	2/3
	9-1/2	
2	12	1/2
	18	
1,2	23-1/2	0,75/1,2
0,75		

PROFILES AND PIPES



RECOMMENDATIONS

Material	Description AFNOR	Cutting speed		Coolant	Cutting rate cm ² /mn
		FLEX	BI METAL		
High speed steels	Z 150 WKVC 12,05,05,04 (T15)	20/30	35/45	● ●	30
	Z 110 DKCW 10, 08, 04, 02, 01 (M42)	20/30	35/45	● ●	30
	Z 85 WDCV 06,05,04,02 (M2)	20/30	35/45	● ●	40
	Z 85 WCV 18,04,02 (T2)	20/30	35/45	● ●	40
	Z 130 SDCV 06,05,04,04 (M4)	20/30	35/45	● ●	40
	Z 85 WDKCV 06,05,05,04,02 (M35)	20/30	35/45	● ●	40
	Steels for valves	Z 40 CSD 10-Z 45 CS 9		20/40	● ●
Stainless steels		Z 6 CN 18-09 (304)		25/35	●
	Z 2 CND 17-12 (316L)		25/35	●	25
Refractory steels	Z 6 CN Nb 18,11		15/25	●	15
	Z 8 CA 7		15/25	●	15
	Z 10 CAS 18		15/25	●	15
	Z 12 CNS 25-20		15/25	●	15
Special alloys	HASTELLOY		10/15	●	12
	NIMONIC		10/15	●	12
	NC 15 Fe (INCONEL 600)		10/15	●	12
	NC 19 Fe (INCONEL 718)		8/12	●	10
Treated steels 35/45 HRC	Any material		15/25	● ●	15
Cast irons	FT 14	30/40	50/60		50
	FT 20	30/40	50/60		50
	FT 26	30/40	40/50		40
	FT 30	30/40	40/50		40
	Iron GS	GFGS 38-15	30/40	40/50	
GS 40		30/40	40/50		40
GS 50-60		30/40	40/50		40
Titanium	TA 6 V		15/25	●	15
Copper	U Be 2	60/80	100/200	●	100
Brass	UZ 15	80/200	100/300	●	120
	UZ 39 Pb2	80/200	100/300	●	120
	US 40 MNA	80/200	100/300	●	120

● Ultra soluble ● Ultra cut

Material	Description AFNOR	Cutting speed		Coolant	Cutting rate cm ² /mn
		FLEX	BI METAL		
Foundry alu	AS 2 G / AS 13 G	60/400	80/800	●	120
Thermoplastic plexiglass	PVC	150/500	150/500	●	200
	Teflon	150/500	150/500	●	200
	Polyethylene-polystyrene	150/500	150/500	●	200
	Plastics + fiberglass	100/400	100/400	●	
Plexiglass		50/150	50/300		150
Graphite		300/400	400/500	●	200
Fibrocement		180/300	250/400	●	
Construction steels	A 24 - A27	40/60	70/90	●	90
	XC 38 - XC 48	35/50	60/80	●	70
Cementation steels	XC 10 - XC 18	50/60	70/90	●	90
	14 NC 11	35/40	40/50	●	60
	16 NC 6	35/45	55/65	●	60
	20 NC 5	35/50	45/55	●	60
Nitridation steels	35 CAD 6-18	30/35	40/50	●	40
	40 CAD 6-12	30/35	40/50	●	40
Cutting off steels	S 250-S 300	50/70	80/120	●	100
Steels for bearing	100 C 6	25/35	45/60	●	50
	100 CD 7	20/30	40/50	●	50
Spring steel	56 SC 7/60 SC 7	30/40	40/60	●	50
Steels for heat treatment	35 M 5	40/50	50/65	●	60
	35 NC 15	35/45	45/60	●	50
	38 NCD 16	35/45	40/60	●	50
	42 CD 4	35/45	40/60	●	50
Tool steels	Y 190-Y 2 120	30/40	40/50	●	50
Steels for alloyed tools	Z 40 C 14	25/35	35/45	●	30
	Z 160 CDV 12	30/40	40/50	●	40
	Z 200 C12	15/30	25/40	●	30
	32 CDV 28	30/40	40/50	●	40
	38 NCDV 8	20/30	30/40	●	30
	55 WC 20	25/35	40/50	●	40
Bronzes	UE 9 P	50/70	80/100	●	90
	UE 14	50/70	80/100	●	90
	UA 9	30/45	50/70	●	60
	UA 10 Fe	25/35	35/45	●	30
	UA 12 NFe	20/30	30/40	●	30
	AMPCO 18-AMPCO 25		15/35	●	15
	UZ 39 Pb 2	60/80	100/150	●	120
Aluminum	A 5	80/400	80/800	●	120
Wrought alu	AU 4 G / AU 2 GN	80/400	80/800	●	120

Utilizing the Matrix II development, this bi-metal band saw blading with High Speed Steel Cobalt teeth and a flexible allow steel backing offers good fatigue resistance by combining tensile strength with cutting performance. Shock resistant, recommended for use on manually operated machines.



VULCA - CONSTANT PITCH

Type of teeth	Section (width x thickness)		Number of teeth per inch								
	mm	inch	2	3	4	6	8	10	14	18	24
 NORMAL : N	6x0,9	1/4x.035						●	●		
	10x0,9	3/8x.035					●	●	●	●	
	13x0,65	1/2x.025					●	●	●	●	●
	13x0,9	1/2x.035			●	●	●	●	●	●	
	20x0,9	3/4x.035			●	●	●	●	●	●	
 POSITIVE : CI	6x0,9	1/4x.035					●				
	10x0,9	3/8x.035					●	●			
	13x0,9	1/2x.035	●	●	●						
	20x0,9	3/4x.035	●	●	●						
	27x0,9	1x.035	●	●	●						

USE ♦ Boiler making, pipe fitting, central heating, medical equipment, locksmithing and small metal working.
♦ Ordinary steel, shapes, iron.
♦ Pipes and flat products on vertical manually operated machines.

VULCA - VARIABLE PITCH

Type of teeth	Section (width x thickness)		Number of teeth per inch							
	mm	inch	2/3	3/4	4/6	5/8	6/10	8/12	10/14	
 VARIABLE : VN	6x0,9	1/4x.035								●
	10x0,9	3/8x.035						●	●	●
	13x0,65	1/2x.025					●	●	●	●
	13x0,9	1/2x.035					●	●	●	●
	20x0,9	3/4x.035			●	●	●	●	●	●
	27x0,9	1x.035			●	●	●	●	●	●

ULTRA® FURIA - BI-METAL M42



BI-METAL band saw blading combines a special alloy steel backing, which offers a very good mechanical resistance, thus allowing a high output with a high quality High Speed Steel (M42) cutting edge. This blading offers the best possible cutting performance at high speeds; it solves production efficiency problems. High output, recommended for industrial production on automatic and semi automatic machines.

FURIA - CONSTANT PITCH

Type of teeth	Section (width x thickness)		Number of teeth per inch									
	mm	inch	1,2	2	3	4	6	8	10	14	18	24
 NORMAL : N	13x0,65	1/2x.025							●	●	●	
	13x0,9	1/2x.035							●	●	●	
	20x0,9	3/4x.035							●	●	●	
	27x0,9	1x.035							●	●	●	
	34x1,1	1 1/4x.042							●			
 CI : POSITIVE	41x1,3	1 1/2x.050							●			
	13x0,65	1/2x.025							●			
	13x0,9	1/2x.035							●			
	20x0,9	3/4x.035							●	●		
	27x0,9	1x.035							●	●	●	
	27x1,1	1x.042							●	●		
	34x1,1	1 1/4x.042	●	●	●							
	41x1,3	1 1/2x.050	●	●	●							
	54x1,6	2x.063	●	●	●							
	67x1,6	2 5/8x.062	●	●								
	80x1,6	3x.063	●									

USE ♦ Workshop production general engineering and steel works.
♦ Structural steel cutting, alloy steel, stainless steel, pre-treated steel, large steel sections.

FURIA - VARIABLE PITCH

Type of teeth	Section (width x thickness)		Number of teeth per inch									
	mm	inch	0,75/1,25	1,2/2	2/3	3/4	4/6	5/8	6/10	8/12	10/14	
 VARIABLE : VN	13x0,65	1/2x.025									●	●
	13x0,9	1/2x.035								●	●	●
	20x0,9	3/4x.035								●	●	●
	27x0,9	1x.035								●	●	●
	34x1,1	1 1/4x.042								●	●	
 VARIABLE : VI	41x1,3	1 1/2x.050								●	●	
	27x0,9	1x.035								●	●	●
	34x1,1	1 1/4x.042								●	●	
	41x1,3	1 1/2x.050								●	●	
	54x1,3	2x.050								●	●	
	54x1,6	2x.063								●	●	
	67x1,6	2 5/8x.062								●	●	
80x1,6	3x.063								●			

ULTRA® SPECIAL ALUMINIA M42

An extra-wide cut giving a half-setting 60 % larger than that of a standard blade. This gives it a 60 % larger set, which prevents the material from closing up after the cut has been made. A variable pitch with a raker group 5 reduces vibration during cutting. Blade especially dedicated to cut aluminum, a material difficult to work, as it tends to "close up" when cut.

Type of teeth	Section (width x thickness)		Number of teeth per inch		
	mm	inch	1,25	2	3
 CI : POSITIVE	20x0,9	3/4x.035			●
	27x0,9	1x.035			●
	27x1,1	1x.042			●
	34x1,1	1 1/4x.042			●
	40x1,3	1 1/2x.050			●

ULTRA® KATANA M42

Made from M42 steel with VX teething, this new blade offers an unrivaled compromise between hardness and resilience. The tooth design increases the rigidity of the blade and results in a straighter, more accurate cut. The reduced cutting edge angle offers greater tip sharpness, enabling optimum penetration particularly in "sticky" materials. Requires less cutting effort. Extended operating life. Ideal for cutting stainless steel and cold workable materials.

Type of teeth	Section (width x thickness)		Number of teeth per inch					
	mm	inch	0,7/1,2	1,2/2	2/3	3/4	4/6	
 HARD : VX	27x0,9	1x.035					●	●
	34x1,1	1 1/4x.042					●	●
	41x1,3	1 1/2x.050					●	●
	54x1,6	2x.063					●	●
	67x1,5	2 5/8x.063					●	●

GROUND TEETH ●



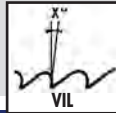
ULTRA® PROFILA - M42



The Profila blade has been especially designed for cutting large steel and stainless steel profiles, singularly or in bundles. The blade's extra-large setting, enhances the safety conditions when cutting I-beams and girders reducing the occurrence of pinching and binding.

Profila's reinforced teething substantially increases the blades resistance to shocks.

ULTRA® PROFILA - VARIABLE PITCH


Type of teeth	Section (width x thickness)		Number of teeth per inch		
	mm	inch	1,2	2	3
	34x1,1	1 1/4x.042		●	●
	41x1,3	1 1/2x.050	●	●	●
	54x1,6	2x.063	●	●	

ULTRA® TITAN - M51

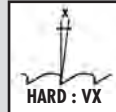
BI-METAL band saw blading combines a superior alloy steel backing which permits maximum loading with a very high quality High Speed Steel (M51) cutting edge. This blading offers outstanding performance both in cutting and penetration on automatic and semi automatic machines.

USE ♦ Power and rigid semi automatic machines ♦ High hardness (130 daN/mm²) high alloy steel ♦ Stainless steel ♦ Fireproof steel ♦ Super alloy steel: Inconel - Hastelloy - Monel

Ultra® Titan - Constant Pitch

Type of teeth	Section (width x thickness)		Number of teeth per inch		
	mm	inch	1,2	2	3
	34x1,1	1 1/4x.042		●	●
	41x1,3	1 1/2x.050	●	●	●
	54x1,6	2x.063	●	●	

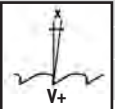
Ultra® Titan - Variable Pitch

Type of teeth	Section (width x thickness)		Number of teeth per inch			
	mm	inch	0,7/1,2	1,2/2	2/3	3/4
	27x0,9	1x.035				●
	34x1,1	1 1/4x.042			●	●
	41x1,3	1 1/2x.050		●	●	●
	54x1,3	2x.090		●	●	
	54x1,6	2x.063		●	●	
	67x1,6	2 5/8x.063	●	●		

ULTRA® ULTIMA - ASP®

For cutting very difficult steels: bearing steel, nickel based stainless steels and other exotics.

Ultra® Ultima - Variable Pitch

Type of teeth	Section (width x thickness)		Number of teeth per inch			
	mm	inch	V 1,2+	V 2+	V 3+	V 4+
	34x1,1	1 1/4x.042		●	●	●
	41x1,3	1 1/2x.050		●	●	●
	54x1,6	2x.063	●	●	●	

ULTRA® ADVANCE GRIT

These specialized bands have been developed to enable cutting of every abrasive material such as fiber and ceramics and those that are traditionally considered hard to work, including steel with a high chrome content, nickel, uranium, beryllium and cast iron.

Ultra® Carbide Grit

Type of teeth	Section (width x thickness)		Continuous	Gulleted
	mm	inch		
	10x0,65	3/8x.025	●	●
	13x0,65	1/2x.025	●	●
	20x0,8	3/4x.035	●	●
	25x0,9	1x.035	●	●
	32x1,1	1 1/4x.035		●



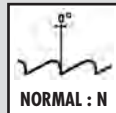

ULTRA® FLEX TD

Characteristics

- ♦ Low alloy carbon steel.
- ♦ TD : only cutting edge is hardened (flex back).
- High flexibility.

USE ♦ For cutting soft steel, semi-hard steels, non ferrous metals, wood and plastics.

Flex TD - Regular Flex Back

Type of teeth	Section (width x thickness)		Number of teeth per inch								
	mm	inch	3	4	6	8	10	14	18	24	
	3x0,65	1/8x.025							●	●	●
	5x0,65	3/16x.025				●	●	●	●	●	
	6x0,65	1/4x.025				●	●	●	●	●	
	8x0,65	5/16x.025				●	●	●	●	●	
	10x0,65	3/8x.025				●	●	●	●	●	
	13x0,65	1/2x.025			●	●	●	●	●	●	
	16x0,8	5/8x.032			●	●	●	●	●	●	
	20x0,8	3/4x.032			●	●	●	●	●	●	
	25x0,9	1x.035	●	●	●	●	●	●	●	●	
		6x0,65	1/4x.025			●	●				
8x0,65		5/16x.025			●	●					
10x0,65		3/8x.025	●	●	●						
13x0,65		1/2x.025	●	●	●						
16x0,8		5/8x.032	●	●	●						
20x0,8		3/4x.032	●	●	●						
25x0,9	1x.035	●	●	●							

BI-METAL CONSTRUCTION

8% Cobalt Matrix II cutting edge. Heavy duty .025 thickness for longer life. Fits all standard portable band saw machines.

BI-METAL BLADES

Bi-Metal	Specifications			Application	Description
	Length x Width x Thickness x TPI				
Bag of 3	Inches	MM	TPI		Longer Life Design with Hard Edge Bi-Metal Porta-Bands
31244-10	44-7/8 x 1/2 x .025	1140 x 12.7 x .64	10T	1/4" & larger	Bi-Metal Matrix II / VULCA
31244-14	44-7/8 x 1/2 x .025	1140 x 12.7 x .64	14T	3/16" - 3/8"	Bi-Metal Matrix II / VULCA
31244-18	44-7/8 x 1/2 x .025	1140 x 12.7 x .64	18T	3/32" - 1/4"	Bi-Metal Matrix II / VULCA
31244-24	44-7/8 x 1/2 x .025	1140 x 12.7 x .64	24T	up to 1/8"	Bi-Metal Matrix II / VULCA
31244-812	44-7/8 x 1/2 x .025	1140 x 12.7 x .64	8/12T	3/8" - 1/2"	Bi-Metal Matrix II / VULCA
31244-1014	44-7/8 x 1/2 x .025	1140 x 12.7 x .64	10/14T	1/4" & larger	Bi-Metal Matrix II / VULCA
31253-10	53-3/4 x 1/2 x .025	1365 x 12.7 x .64	10T	1/4" & larger	Bi-Metal Matrix II / VULCA
31253-14	53-3/4 x 1/2 x .025	1365 x 12.7 x .64	14T	3/16" - 3/8"	Bi-Metal Matrix II / VULCA
31253-18	53-3/4 x 1/2 x .025	1365 x 12.7 x .64	18T	3/32" - 1/4"	Bi-Metal Matrix II / VULCA
31253-24	53-3/4 x 1/2 x .025	1365 x 12.7 x .64	24T	up to 1/8"	Bi-Metal Matrix II / VULCA
31253-610	53-3/4 x 1/2 x .025	1365 x 12.7 x .64	6/10T	1/2" & larger	Bi-Metal Matrix II / VULCA
31253-812	53-3/4 x 1/2 x .025	1365 x 12.7 x .64	8/12T	3/8" - 1/2"	Bi-Metal Matrix II / VULCA
31253-1014	53-3/4 x 1/2 x .025	1365 x 12.7 x .64	10/14T	1/4" & larger	Bi-Metal Matrix II / VULCA

PACKAGED: Bi-Metal blades 3 per bag



ROCKHARD DISPLAYS

- "No Risk" Displays (Free Merchandisers w/ Hooks)
- Most Popular Sizes In Each Product Group Included
- Can Be Customized For Your Market's Customers
- Any Slow Movers Can Be Exchanged "No Charge"
- 90 Days Dating With 2 or More Displays



Cat. # DISP-68SD (SDS-Plus)

Qty	Number	Description
10	JHSDS-401A	3/16" x 6" x 4"
10	JHSDS-403	1/4" x 6" x 4"
10	JHSDS-407	5/16" x 6" x 4"
10	JHSDS-409	3/8" x 6" x 4"
8	JHSDS-415	1/2" x 6" x 4"
6	JHSDS-421	5/8" x 6" x 4"
4	JHSDS-423	5/8" x 12" x 10"
4	JHSDS-429	3/4" x 12" x 10"
3	JHSDS-432	7/8" x 12" x 10"
3	JHSDS-434	1" x 12" x 10"

68 Drills

Cat. # DISP-JR78 (JRP Straight Shank)

Qty	Number	Description
12	JRP-1	1/8" x 3"
12	JRP-4	3/16" x 3 1/2"
12	JRP-9	1/4" x 4 1/8"
10	JRP-18	5/16" x 4 3/4" x 5/16"
10	JRP-30	3/8" x 6" x 3/8"
8	JRP-46	1/2" x 6 3/4" x 3/8"
6	JRP-63	5/8" x 6" x 3/8"
4	JRP-72	3/4" x 6" x 3/8"
2	JRP-80	7/8" x 6" x 12"
2	JRP-85	1" x 6" x 12"

78 Drills

Cat. # DISP-31SP (Spline)

Qty	Number	Description
4	JHSPL-502	3/8" x 13" x 8"
5	JHSPL-503	1/2" x 13" x 8"
3	JHSPL-504A	1/2" x 23" x 18"
5	JHSPL-505	5/8" x 13" x 8"
3	JHSPL-506A	5/8" x 23" x 18"
3	JHSPL-508	3/4" x 23" x 18"
3	JHSPL-509	7/8" x 16" x 11"
3	JHSPL-510A	1" x 13" x 8"
1	JHSPL-516	1 1/4" x 16" x 11"
1	JHSPL-518	1 3/8" x 16" x 11"

31 Drills

Cat. # DISP-31FC (Spline 4 Cutter)

Qty	Number	Description
5	JHSPL-502	3/8" x 13" x 8"
5	JHSPL-503	1/2" x 13" x 8"
4	JHSPL-504A	1/2" x 23" x 18"
4	JSPLX-604	5/8" x 11" x 8"
3	JSPLX-606A	5/8" x 23" x 18"
3	JSPLX-608	3/4" x 23" x 18"
3	JSPLX-609	7/8" x 16" x 11"
2	JSPLX-612	1" x 23" x 18"
1	JSPLX-616	1 1/4" x 16" x 11"
1	JSPLX-618	1 3/8" x 16" x 11"

31 Drills

Cat. # DISP-27SM (SDS Max)

Qty	Number	Description
4	JHHM-300A	1/2" x 13" x 8"
3	JHHM-300G	1/2" x 21" x 16"
4	JHHM-300	5/8" x 13" x 8"
3	JHHM-302	5/8" x 21" x 16"
4	JHHM-303	3/4" x 13" x 8"
3	JHHM-305	3/4" x 21" x 16"
2	JHHM-310	7/8" x 16" x 11"
2	JHHM-312	1" x 12" x 8"
1	JHHM-314	1" x 21" x 16"
1	JHHM-324	1 3/8" x 17" x 12"

27 Drills

Display materials & labels

Catalog No.	Description
DISP-BAR	16" BAR
DISP-HOK1	7 1/2" HOOK
DISP-BCK1	RED BACKDROP
DISP-LBL1	JRP LABELS
DISP-LBL2	SDS PLUS LABELS
DISP-LBL3	SPLINE 2 CUTTER LABELS
DISP-LBL4	SPLINE 4 CUTTER LABELS
DISP-LBL5	SDS MAX LABELS
DISP-LBL6	REBAR CUTTER LABELS
DISP-LBL7	JORSET DRILL LABELS

Catalog No.	Description
DISP-LBL8	MULTI-PURPOSE DRILL LABELS
DISP-LBL9	118° BLACK TWIST DRILL LABELS
DISP-LBL10	135° BLACK TWIST DRILL LABELS
DISP-LBL11	135° BLACK & GOLD TWIST DRILL LABELS
DISP-LBL12	135° COBALT TWIST DRILL LABELS
DISP-LBL13	SUPER HIGH SPEED LABELS
DISP-LBL14	AUGER BIT LABELS
DISP-LBL15	SPADE BIT LABELS
DISP-LBL16	GLASS/TILE LABELS
DISP-LBL17	BLUE CERAMIC LABELS

ULTRA RECIPROCATING BLADES

RECIP-DSP1 6" - Multi-Purpose Asst.

Qty.	Cat.#	L x W x T x TPI
10	99057-5	6" x 3/4" x .035 x 6
10	99058-5	6" x 7/16" x .050 x 6
5	99050-5*	6" x 3/4" x .035 x 6
5	99082-5	6" x 3/4" x .050 x 5/8
5	89103-5	6" x 3/4" x .035 x 14
10	89102-5	6" x 3/4" x .035 x 18
5	99086-5	6" x 3/4" x .050 x 10/14
10	89101-5	6" x 3/4" x .035 x 24
5	99061-1	6" x 3/4" x .031 x Grit

(99050-5* - Plaster)

RECIP-DSP3 "Extreme" Demolition

Qty.	Cat.#	L x W x T x TPI
10	89301-3	6" x .062 x 5/8
10	89302-3	9" x .062 x 5/8
10	89303-3	12" x .062 x 5/8
5	89304-3	16" x .050 x 5/8

RECIP-DSP2 Complete Asst.

Qty.	Cat.#	L x W x T x TPI
3	99054-5	31/2" x 5/16" x .035 x 14
2	99067-5	4" x 3/4" x .035 x 14
3	99040-5	4" x 3/4" x .035 x 24
3	99050-5*	6" x 3/4" x .035 x 6
10	99057-5	6" x 3/4" x .035 x 6
10	89203-5	6" x 3/4" x .050 x 6
10	89105-5	6" x 3/4" x .035 x 5/8
5	89103-5	6" x 3/4" x .035 x 14
10	89102-5	6" x 3/4" x .035 x 18
10	89101-5	6" x 3/4" x .035 x 24
2	89109-5	8" x 3/4" x .035 x 10
2	89106-5	8" x 3/4" x .035 x 18
3	89206-5	9" x 3/4" x .050 x 6
3	89205-5	9" x 3/4" x .050 x 14
3	89208-5	12" x 3/4" x .050 x 6
2	89207-5	12" x 3/4" x .050 x 14
2	99061-1	6" x 3/4" x .031 x Grit
2	89012-1	8" x 3/4" x .031 x Grit

(99050-5* - Plaster)

1 and 3 Packs listed are also available in bulk 25 Blade Packs
5 Packs listed are also available in bulk 50 Blade Packs

ULTRA JIGSAW BLADES

Ultra #1248U Display 12 Universal Styles/48 Five Packs

Qty.	Cat. #	Specifications
4	8602-5	2 3/4" x 10 CV*
4	8610-5	2 3/4" x 10T CV*
4	8615-5	2 3/4" x 21T HSS**
4	8605-5	2 3/4" x 32T HSS**
4	8611-5	3 5/8" x 6T CV*
4	8616-5	3 5/8" x 21T HSS**
4	8603-5	3 5/8" x 8T CV*
4	8613-5	3 5/8" x 8T HSS**
4	8618-5	3 5/8" x 10T CV*
4	8601-5	4" x 6T CV*
4	8608-5	4" x 6T CV*
4	8606-5	4" x 10T CV**

Ultra #1248B Display 12 Bosch Styles/48 Five Packs

Qty.	Cat. #	Specifications
4	8015-5	3" x 10T CV*
4	8004-5	3" x 21T CV*
4	8009-5	3" x 21T HSS**
4	8010-5	3" x 21T HSS**
4	8012-5	3" x 32T HSS**
4	8002-5	4" x 6T CV*
4	8006-5	4" x 6T CV*
4	8021-5	4" x 6T BM***
4	8001-5	4" x 10T CV*
4	8018-5	4" x 10T CV*
4	8022-5	4 9/16" x 6T CV*
4	8019-5	4 9/16" x 21T BM***

*Chrome Vanadium ** High Speed Steel *** Bi-Metal

ULTRA HOLE SAWS

Ultra #1837 Display 18 Sizes/37 Pieces

BI-METAL 4/6T					
Qty.	Cat. #	Diameter	Qty.	Cat. #	Diameter
1	SC-16	5/8"	2	SC-51	2"
1	SC-19	3/4"	2	SC-54	2 1/8"
2	SC-22	7/8"	1	SC-57	2 1/4"
1	SC-25	1"	1	SC-64	2 1/2"
2	SC-29	1 1/8"	1	SC-76	3"
1	SC-32	1 1/4"	1	SC-89	3 1/2"
2	SC-35	1 3/8"	1	SC-105	4 1/8"
1	SC-38	1 1/2"	2	SC-2R	Arbor
1	SC-41	1 5/8"	2	SC-3	Arbor
1	SC-44	1 3/4"	10	SC-12	Pilot Drill
1	SC-48	1 7/8"			

Ultra #2356 Display 23 Sizes/56 Pieces

BI-METAL 4/6T					
Qty.	Cat. #	Diameter	Qty.	Cat. #	Diameter
2	SC-19	3/4"	2	SC-83	3 1/4"
2	SC-22	7/8"	2	SC-89	3 1/2"
2	SC-25	1"	2	SC-95	3 3/4"
2	SC-29	1 1/8"	2	SC-102	4"
2	SC-32	1 1/4"	2	SC-114	4 1/2"
2	SC-35	1 3/8"	2	SC-121	4 3/4"
2	SC-38	1 1/2"	2	SC-127	5"
2	SC-44	1 3/4"	2	SC-152	6"
2	SC-51	2"	2	SC-2R	Arbor
2	SC-64	2 1/8"	2	SC-3	Arbor
2	SC-67	2 1/4"	10	SC-12	Pilot Drill
2	SC-70	2 1/2"	1	SC-5	Extension
2	SC-76	3"			



Typical Display (20" x 15" - 7 Hooks) Pegboard

RECIP-DSP4 Contractor General Use

Qty.	Cat.#	L x W x T x TPI
10	99057-5	6" x 3/4" x .035 x 6
10	89104-5	6" x 3/4" x .035 x 10
10	89103-5	6" x 3/4" x .035 x 14
10	89102-5	6" x 3/4" x .035 x 18
10	89101-5	6" x 3/4" x .035 x 24
5	99050-5*	6" x 3/4" x .035 x 6

(99050-5* - Plaster)

RECIP-DSP5 Contractor Heavy Duty

Qty.	Cat.#	L x W x T x TPI
10	89203-5	6" x 3/4" x .050 x 6
10	99086-5	6" x 3/4" x .050 x 10/14
10	89201-5	6" x 3/4" x .050 x 18
5	89206-5	9" x 3/4" x .050 x 6
5	89205-5	9" x 3/4" x .050 x 14
5	89208-5	12" x 3/4" x .050 x 6
5	89207-5	12" x 3/4" x .050 x 14



Displays can be adjusted to add or delete blade sizes or quantities to fit your market requirements!

CROSS REFERENCE GUIDE



CABLE TIE CROSS REFERENCE

ROCKHARD	CATAMOUNT	PANDUIT	RICHCO	G & B	TYTON	T & B
CTN04-018M	L04-18-9M	PLTIM-M	WIT-18RF-M	46-104M	T18R9M4	TY23M
CTN04-018C	L04-18-9C	PLTIM-C	WIT-18RF-C	46-104	T18R9C2	TY523M
CTB04-018M	L04-18-0-M	PLTIM-MO	WIT-18FR-UVB-M	46-104UVBM	T18R0M4	TY23MX
CTB04-018CL-04-18-0-C	PLTIM-CO	WIT-18FR-UVB-C	46-104UVBM	T18ROC2	TY523MX	
CTN05-040M	L-5-30-9-M	PLTI.5I-M	WIT-40R-M	46-206M	T30R9M4	TY24M
CTN05-040C	L-5-30-9-C	PLTI.5I-C	WIT-40R-C	46-206	T30R9C2	TY524M
CTB05-040M	L-5-30-0-M	PLTI.5I-MO	WIT-40R-UVB-M	46-206UVBM	T30R0M4	TY24MX
CTB05-040CL-5-30-0-C	PLTI.5I-CO	WIT-40R-UVB-C	46-206UVB	T30R9C2	TY524MX	
CTN07-050M	L07-50-9-M	PLT2S-M	WIT-50R-M (8")	46-306M	T50R9M4	TY25M
CTN07-050C	L07-50-9-C	PLT2S-C	WIT-50R-C (8")	46-306	T50R9C2	TY525M
CTB07-050M	L07-50-0-M	PLT2S-MO	WIT-50R-UVB-M (8")	46-306UVBM	T50R0M4	TY25MX
CTB07-050CL-07-50-0-C	PLT2S-CO	WIT-50R-UVB-C (8")	46-306UVB	T50ROC2	TY525MX	
CTN11-050D	L-11-50-9-D	PLT3S-M	WIT-60R-M	46-310M	T50I9M4	TY253M
CTN11-050C	L-11-50-9-C	PLT3S-C	WIT-60R-C	46-310	T50I9C2	TY5253M
CTB11-050DL-11-50-0-D	PLT3S-MO	WIT-60R-UVB-M	46-310UVBM	T50I0M4	TY253MX	
CTB11-050CL-11-50-0-C	PLT3S-CO	WIT-60R-UVB-C	46-310UVBM	T50I0C2	TY5253MX	
CTN14-050D	L-14-50-9-D	PLT4S-M	WIT-50L-M	46-315M	T50L9M4	TY28M
CTN14-050C	L-14-50-9-C	PLT4S-C	WIT-50L-C	46-315	T50L9C2	TY528M
CTB14-050DL-14-50-0-D	PLT4S-MO	WIT-50L-UVB-M	46-315UVBM	T50L0M4	TY28MX	
CTB14-050CL-14-50-0-C	PLT4S-CO	WIT-50L-UVB-C	46-315UVB	T50L0C2	TY528MX	
CTN08-120C	L08-120-9-C	PLT2HL	WIT-120S-D	NA	T120S9H4	TY5272M
CTB08-120CL-08-120-0-C	PLT2HL0	WIT-120S-D-UVB	NA	T120S0H4	TY5272MX	
CTN14-120C	L-14-120-9-C	PLT4HC	WIT-120R-C	NA	T120R9K2	TY527M
CTB14-120CL-14-120-0-C	PLT4HC0	WIT-120R-C-UVB	NA	T120R0K2	TY527MX	
CTN24-175LL-24-175-9-L	PLT6HL	WIT-175RL	46-424	T150M9X2	TY5277M	
CTB24-175LL-24-175-0-L	PLT6HL0	WIT-175R-L-UVB	46-424UVB	T150M0X2	TY5277MX	
CTN36-175LL-36-175-9-L	NA	NA	46-436	T150LL9X2	TY53510M	
CTB36-175LL-36-175-0-L	NA	NA	46-436UVB	T150LLOX2	TY53510MX	
CTN48-175LNA	PLT13HC -43"	NA	46-448	T150XLL9	TY54513M -45"	
CTG48-175LL-48-175-8-L	NA	NA	NA	NA	NA	
CTB48-175LL-48-175-0-L	PLT13HC0 -43"	NA	46-448UVB	T150XLL0X2	TY54513MX -45"	

CTN07-M50C	L7-50MH-9-C	PLC2S-S10-C	WITS-10-50MRL-C	48-306	T50MR9C2	TY535M
CTB07-M50C	L7-50MH-0-C	PLC2S-S10-CO	WITS-10-50MRL-UVB-C	48-306UVB	T50MR0C2	TY535MX

CTN05-R50C	L5-50R-9-C	PRT1S-M	WIT-50SR-C	47-307	RT50R9C2	NA
CTB05-R50CL-5-50R-0-C	PRT1S-MO	WIT-50SR-UVB-C	47-307UVB	RT50ROC2	NA	
CTN08-R50C	L8-50R-9-C	PRT2S-M	WIT-50RR-C	NA	NA	NA
CTB08-R50CL-8-50R-0-C	PRT2S-MO	WIT-50RR-UVB-C	NA	NA	NA	
CTN12-R50C	L-10-50R-9-C	PRT3S-C	WIT-120RR-C		NA	
CTB12-R50CL-10-50R-0-C	PRT3S-CO	WIT-120RR-UVB-C		NA		

CTNMP-10NC	MPNY-1000S-9-C					
CTNMP-10RC	MPNY-1000-9-C	ABM100-AT-C	NA	NA	MB4A10C2	TC345A
CTNMP-07RC	MPNY-750A-9-C	NA	NA	NA	MB3A10A2C2	TC344A



CROSS REFERENCE GUIDE

BI-METAL RECIPS CROSS REFERENCE

Ultra®	Length	TPI	Lenox®	Milwaukee®	Starrett®	DeWalt®	Morse®	Bosch®
99054	3 1/2	14	314RC	1011, 1162, 5162		DW4814		S418BF
99055	3 1/2	18	318RC	1102, 1163, 5163		DW4815		S418EF
99067	4	14	414R	1172, 1181, 5181, 6181	S8418	DW4807, DW4807B	RB318, RH318	S518B, S522AF, S522BF
99068	4	18	418R	1174, 1183, 5183, 6183	B418	DW4810	RB41014, RB414, RH414	S518E, S522EF
99040	4	24	424R	1176, 1185, 5185, 6185	B424	DW4812	RB242, RB424, RH242	S518ES, S518G
99057	6	6		1031, 3035				
89203	6	6	656R	1012, 1031, 3035, 5015, 5035, 6035	BT66	DW4847, DW4848B, DW4802, DW4802B, DW4876	RB63506, RB53606, RC606, RB65006, RC606STP	S611DF, S644D, S611VF, S644DF
99058	6	6	676RC	1041, 3041, 5018, 5041, 6041		DW4816	RB65006	S711DF, S444D, S744DF
99050	6	6	606R	5012, 6012	B66, B6610	DW4850	RB606, RC606	S811DF, S811D, S828D
89104	6	10	610R	1064, 3092, 5092, 6092	B81014	DW4806, DW4806B, DW4845, DW4877	RB610, RB61014, RC610	S811HF, S811H, S922VF
89105	6	5/8						
99082	6	5/8		3031, 5031, 6031, 8031				
89103	6	14	614R	1179, 1182, 5182, 5282, 6182	B614, B61014	DW4808, DW4808B	RB614, RH614	S918BF, S918B, S922BF
89202	6	14	6514R			DW4866		
89102	6	18	618R	1184, 2170, 5184, 5284, 6184, 6284	B618	DW4811, DW4878	RB618, RH618	S918EF, S918E, S922EF
89201	6	18	6518R			DW4867		
99086	6	10/14	650R	5091, 6091		DW4864, DW4864B	RB650101	
89101	6	24	624R	1186, 2171, 5186, 5286, 6186, 6286	B624	DW4813	RB624, RH624	S918A, S922AF
89109	8	10	810R	2175, 3093, 5093, 5193, 5713, 6093, 6193, 8713	B81014	DW4865, DW4865B	RB8501014, RB81014	S1018H, S1122HF
89107	8	14	850R	5193	B81014	DW4865	RB81014	S922VF
89106	8	18	818R	5188, 5788, 6188, 8788	B818	DW4921	RB814, RB818	S1122EF
89206	9	6	956R	1033, 3036, 5016, 5036, 6036	BT86, BT96, BT50	DW4848, DW4803	RB95006, RC905, RC906	S1544DF, S1511DF
89205	9	14	9514R	5187, 6187		DW4868, DW4869		
89208	12	6	156R	1032, 1302, 3037, 5017, 5037, 6037	BT126, B12610	DW4804, DW4849	RB125006, RC1206, RB123506	S1344D, S1411DF, S1344DF
89207	12	14	110R	3094, 5094, 5194, 6094, 6194	B121014, B1210	DW4838	RB12501014, RB121014, RB1214B	S1211H, S1222VF

DEMOLITION RECIPS CROSS REFERENCE

89301	6	5/8	6066R	5021, 8021		DW4862		
89302	9	5/8	966R			DW4863		
89303	12	5/8	106R			DW4860		
89304	16	4						

CARBIDE GRIT RECIPS CROSS REFERENCE

99061	6	Grit	600RG	1420		DW4844		RCB6G
89012	8	Grit	800RG	1430		DW4843		RCB9G

CARBIDE TOOTH RECIPS CROSS REFERENCE

9011	6	6	656SRCT					RCFP66
9013	9	3	853SRCT					RCFP93
9014	12	3						RCFP123

Note: Prefixes for Milwaukee® blades have been removed for purposes of this chart. Prefixes 48-00, 48-01, 48-02 relate only to the style of packaging.

CARBIDE TIPPED HOLESAWS APPLICATION CHART

Catalog Number	SPECIFICATIONS				Pipe Entrance mm	
	Diameter inches	Diameter mm	Pipe Tap inches	Pipe Tap mm		
TCT-19	3/4	19	1/2	13	3/8	10
TCT-21	13/16	21				
TCT-22	7/8	22	3/4	19	1/2	13
TCT-24	15/16	24				
TCT-25	1	25				
TCT-27	1 1/16	27				
TCT-29	1 1/8	29	1	25	3/4	19
TCT-30	1 3/16	30				
TCT-32	1 1/4	32				
TCT-35	1 3/8	35			1	25
TCT-38	1 1/2	38	1 1/4	32		
TCT-40	1 9/16	40				
TCT-41	1 5/8	41				
TCT-43	1 11/16	43				
TCT-44	1 3/4	44	1 1/2	38	1 1/4	32
TCT-51	2	51			1 1/2	38
TCT-54	2 1/8	54				
TCT-57	2 1/4	57	2	51		
TCT-60	2 3/8	60				
TCT-64	2 1/2	64			2	51
TCT-65	2 9/16	65				
TCT-70	2 3/4	70				
TCT-79	3 1/8	79				
TCT-83	3 1/4	83	3	76		
TCT-89	3 1/2	89				
TCT-92	3 5/8	92			3	76
TCT-95	3 3/4	95	3 1/2	89		
TCT-102	4	102				
TCT-105	4 1/8	105			3 1/2	89
TCT-152	6	152				

HOLE SAW RPM CHART							
Aluminum	Plastic	Fiber-glass	Ceramic Tile	Partide Board	Cast Iron	Formica	Computer Flooring
1700	3430	250	500	3430	410	210	550
1600	3180	230	460	3180	380	200	510
1500	2940	210	430	2940	350	180	470
1400	2750	200	400	2750	330	160	440
1300	2570	190	370	2570	310	150	410
1200	2430	180	350	2430	290	140	390
1100	2290	170	330	2290	270	140	370
1050	2180	160	320	2180	250	130	350
1000	2080	150	300	2080	240	120	330
900	1870	140	270	1870	220	110	300
900	1710	120	250	1710	210	100	270
800	1650	120	240	1650	200	90	260
800	1590	110	230	1590	200	90	250
700	1530	110	220	1530	190	90	240
700	1470	110	210	1470	180	90	230
600	1290	90	190	1290	150	80	210
600	1220	90	180	1220	150	80	200
600	1140	80	170	1140	140	70	180
600	1080	80	160	1080	130	60	170
500	1030	70	150	1030	120	60	160
500	970	70	140	970	110	60	150
500	910	70	130	910	100	50	150
400	850	60	120	850	100	50	140
400	790	60	110	790	90	50	130
400	750	60	110	750	90	50	120
400	710	50	100	710	90	40	110
300	690	50	100	690	80	40	110
300	670	50	100	670	70	40	100
300	620	50	90	620	60	30	90
100	360	30	60	420	40	30	60

REFERENCE GUIDE



BI-METAL HOLE SAWS APPLICATION CHART

SPECIFICATIONS							HOLE SAW RPM CHART				
Catalog Number	Diameter		Pipe Tap		Pipe Entrance		Mild Steel	Tool & Stainless	Cast Iron	Brass	Aluminum
	inches	mm	inches	mm	inches	mm					
SC-14	9/16	14					580	300	400	790	900
SC-16	5/8	16					550	275	365	730	825
SC-17	11/16	17					500	250	330	665	750
SC-18	23/32	18					480	240	315	630	720
SC-19	3/4	19	1/2	13	3/8	10	460	230	300	600	690
SC-20	51/64	20					425	210	280	560	630
SC-21	13/16	21					425	210	280	560	630
SC-22	7/8	22	3/4	19	1/2	13	390	195	260	520	585
SC-24	15/16	24					370	185	245	495	555
SC-25	1	25					350	175	235	470	525
SC-27	1 1/16	27					325	160	215	435	480
SC-28	1 3/32	28					320	155	210	420	465
SC-29	1 1/8	29	1	25	3/4	19	300	150	200	400	450
SC-30	1 3/16	30					285	145	190	380	425
SC-32	1 1/4	32					275	140	180	360	410
SC-33	1 5/16	33					260	135	175	345	390
SC-35	1 3/8	35			1	25	255	130	170	335	375
SC-37	1 7/16	37					240	120	160	315	360
SC-38	1 1/2	38	1 1/4	32			230	115	150	300	345
SC-40	1 9/16	40					220	110	145	290	330
SC-41	1 5/8	41					210	105	140	280	315
SC-43	1 11/16	43					205	100	135	270	305
SC-44	1 3/4	44	1 1/2	38	1 1/4	32	195	95	130	250	295
SC-46	1 13/16	46					190	95	125	250	285
SC-48	1 7/8	48					180	90	120	240	270
SC-49	1 15/16	49					175	90	120	240	265
SC-51	2	51			1 1/2	38	170	85	115	230	255
SC-52	2 1/16	52					165	80	110	220	245
SC-54	2 1/8	54					160	80	105	210	240
SC-57	2 1/4	57	2	51			150	75	100	200	225
SC-59	2 5/16	59					140	70	95	190	220
SC-60	2 3/8	60					140	70	95	190	220
SC-61	2 13/32	61					135	70	90	180	210
SC-64	2 1/2	64			2	51	135	65	90	180	205
SC-65	2 9/16	65					130	65	85	175	200
SC-67	2 5/8	67	2 1/2	64			130	65	85	170	195
SC-70	2 3/4	70					125	65	80	170	185
SC-73	2 7/8	73					120	60	80	160	180
SC-76	3	76			2 1/2	64	115	55	75	150	170
SC-79	3 1/8	79					110	55	70	140	165
SC-83	3 1/4	83	3	76			105	50	70	140	155
SC-86	3 3/8	86					100	50	65	130	150
SC-89	3 1/2	89					95	45	65	130	145
SC-90	3 9/16	90					95	45	65	130	145
SC-92	3 5/8	92			3	76	95	45	60	120	140
SC-95	3 3/4	95	3 1/2	89			90	45	60	120	135
SC-98	3 7/8	98					85	40	55	110	130
SC-102	4	102					85	40	55	110	130
SC-103	4 1/16	103					80	40	55	110	120
SC-105	4 1/8	105			3 1/2	89	80	40	55	110	120
SC-108	4 1/4	108	4	102			80	40	55	110	120
SC-111	4 3/8	111					75	35	50	100	105
SC-114	4 1/2	114	4 1/2	114	4	108	75	35	50	100	105
SC-121	4 3/4	121					70	35	45	90	95
SC-127	5	127					65	30	45	90	95
SC-140	5 1/2	140					60	30	40	80	85
SC-152	6	152					55	25	35	75	85



CREDIT APPLICATION



Fax: (248) 446-0900
7915 Kensington Court
Brighton, MI 48116

Please return to your Danish Import Sales Representative
or fax to Customer Service at (248) 446-0900

BUSINESS INFORMATION

Legal Business Name: _____
 Billing Address: _____
 City, State, Zip: _____
 Telephone: _____
 Fax: _____
 Federal I.D. No. _____
 D & B No.: _____
 Purchasing Contact: _____
 Telephone: _____
 Fax: _____
 E-mail: _____

Doing Business as: _____
 Shipping Address: _____
 City, State, Zip: _____
 Acct. Payable Contact: _____
 Telephone: _____
 Fax: _____
 Business Type (Check all which are applicable):
 Proprietorship _____ Corporation _____
 Date & State of Incorporation: _____
 Division/Subsidiary of: _____
 Requested Credit Limit: _____

TRADE REFERENCES

Name: _____
 Address: _____
 City: _____
 State, Zip: _____
 Contact: _____
 Telephone: _____
 Fax: _____

Name: _____
 Address: _____
 City: _____
 State, Zip: _____
 Contact: _____
 Telephone: _____
 Fax: _____

Name: _____
 Address: _____
 City: _____
 State, Zip: _____
 Contact: _____
 Telephone: _____
 Fax: _____

Name: _____
 Address: _____
 City: _____
 State, Zip: _____
 Contact: _____
 Telephone: _____
 Fax: _____

CREDIT RELEASE AUTHORIZATION AND CUSTOMER AGREEMENT

I hereby certify that the above information is correct and I authorize the release of credit information to Danish Import Inc. by our trade vendors. I agree to make payment in full for all amounts due within the terms stated on each invoice.

Authorized Signature _____ Title _____ Date _____

DECIMAL EQUIVALENTS



Inch	Decimal	mm	Wire	Tap Sizes	Inch	Decimal	mm	Wire	Tap Sizes	Inch	Decimal	mm	Wire	Tap Sizes	Inch	Decimal	mm	Wire	Tap Sizes	Inch	Decimal	mm	Wire	Tap Sizes	Inch	Decimal	mm	Wire	Tap Sizes													
	.0059	.15	97			.0531	1.35				.1570		22	3/16-32NS		.2874	7.30				5/8	.6250				41/64	.6299	16.00														
	.0063	.16	96			.0550		54			.1575	4.00				.2900		L				.6299	16.00				.6406															
	.0067	.17	95			.0551	1.40				.1590	21	#10-32			.2913	7.40					.6496	16.50			21/32	.6582		3/4-10NC													
	.0071	.18	94			.0571	1.45				.1610		20			.2950		M				.6693	17.00				.6719															
	.0075	.19	93			.0591	1.50				.1614	4.10				.2953	7.50					.6875				11/16	.6875		3/4-16NF													
	.0079	.20	92			.0595		53	#1-64		.1654	4.20				.2969						.6900	17.50				.7031															
	.0083	.21	91			.0610	1.55				.1660		19			.2992	7.60					.7087	18.00				.7188		1/2-14 Pipe													
	.0087	.22	90			.0625		51			.1673	4.25				.3020		N				.7283	18.50				.7344															
	.0091	.23	89		1/16	.0630	1.60				.1693	4.30				.3031	7.70					.7480	19.00				.7500															
	.0094	.24				.0635		52	#1-72		.1695		18			.3051	7.75					.7677	19.50				.7874	20.00														
	.0095		88			.0650	1.65				.1719		17	#12-24		.3071	7.80					.7969					.8071	20.50														
	.0098	.25				.0669	1.70				.1730					.3110	7.90					.8268	21.00				.8465	21.50														
	.0100		87			.0670		50	#2-56		.1732	4.40				.3125		3/8-16NC				.8661	22.00				.8858	22.50														
	.0102	.26				.0689	1.75				.1770		16			.3150	8.00					.8906					.9055	23.00														
	.0105		86			.0700		49			.1772	4.50				.3160		O				.9252	23.50				.9449	24.00														
	.0106	.27				.0709	1.80				.1800		15			.3189	8.10					.9493	24.50				.9688	25.00														
	.0110	.28	85			.0728	1.85				.1811	4.60				.3228	8.20					.9646	24.50				.9843	25.00														
	.0114	.29				.0730		48			.1820		14			.3230						.9844	25.00				1.000															
	.0115		84			.0748	1.90				.1850		13			.3248	8.25					1.0039	25.50				1.0236	26.00														
	.0118	.30				.0760		47	#3-48		.1850	4.70				.3268	8.30					1.0433	26.50				1.0625															
	.0120		83			.0768	1.95				.1870	4.75				.3281						1.0827	27.50				1.1024	28.00														
	.0125		82		5/64	.0781		47	#3-48		.1875		3/16			.3307	8.40					1.1220	28.50				1.1417	29.00														
	.0126	.32				.0785		46	#3-56		.1890	4.80				.3320		Q	3/8-24NF			1.1614	29.50				1.1811	30.00														
	.0130		81			.0787	2.00				.1890		12	7/32-24NS		.3346	8.50					1.2008	30.50				1.2205	31.00														
	.0134	.34				.0807	2.05				.1910		11			.3386	8.60					1.2402	31.00				1.2600															
	.0135		80			.0810		46	#3-56		.1929	4.90				.3390						1.2800					1.3000															
	.0138	.35				.0820		45			.1935		10			.3425	8.70					1.3200					1.3400															
	.0142	.36				.0827	2.10				.1960		9			.3438						1.3600					1.3800															
	.0145		79			.0846	2.15				.1969	5.00				.3445	8.75					1.4000					1.4200															
	.0150	.38				.0860		44			.1990		8			.3465	8.80					1.4400					1.4600															
	.0156		78			.0866	2.20				.2008	5.10				.3480						1.4800					1.5000															
	.0157	.40				.0886	2.25				.2010		7	1/4-20		.3504	8.90					1.5200					1.5400															
	.0160		78			.0890		43	#4-40		.2031					.3543	9.00					1.5600					1.5800															
	.0165	.42				.0906	2.30				.2040		6			.3580		T				1.6000					1.6200															
	.0173	.44				.0925	2.35				.2047	5.20				.3583	9.10					1.6400					1.6600															
	.0177	.45				.0935		42	#4-48		.2055		5			.3594						1.6800					1.7000															
	.0180		77		3/32	.0938		41			.2067	5.25				.3622	9.20					1.7200					1.7400															
	.0181	.46				.0945	2.40				.2087	5.30				.3642	9.25					1.7600					1.7800															
	.0189	.48				.0960		40			.2090		4			.3661	9.30					1.8000					1.8200															
	.0197	.50				.0965	2.45				.2126	5.40				.3680		U	7/16-14NC			1.8400					1.8600															
	.0200		76			.0980		39	#5-40		.2130		3	1/4-28		.3701	9.40					1.8800					1.9000															
	.0210	.75				.0984	2.50				.2165	5.50				.3740	9.50					1.9200					1.9400															
	.0217	.55				.0995		38			.2205	5.60				.3770						1.9600					1.9800															
	.0225		74			.1015		37	#5-44		.2210		2	1/4-36		.3780	9.60					2.0000					2.0200															
	.0236	.60				.1024	2.60				.2244	5.70				.3819	9.70					2.0400					2.0600															
	.0240		73			.1040		36	#6-32		.2264	5.75				.3839	9.75					2.0800					2.1000															
	.0250		72			.1063	2.70				.2280		1	5/16-18		.3858	9.80					2.1200					2.1400															
	.0256	.65				.1065		35			.2283	5.80				.3860						2.1600					2.1800															
	.0260		71			.1083	2.75				.2323	5.90				.3898	9.90					2.2000					2.2200															
	.0276	.70			7/64	.1094		34			.2340		A			.3906						2.2400					2.2600															
	.0280		70			.1100		33	#6-40		.2344		15/64			.3937	10.00					2.2800					2.3000															
	.0292	.69				.1102	2.80				.2362	6.00				.3970		X				2.3200					2.3400															
	.0295	.75				.1110		32			.2380		B			.4040						2.3600					2.38															



7915 Kensington Court

Brighton, Michigan 48116

(800) 251-5241

(248) 446-0800

Fax (248) 446-0900



DANISH IMPORT, INC.
www.rockhardtool.com