

# ARMADA



ARMADA  
763-786-9652

Premium Sawblades &  
tools at an affordable price

Ref no. 11-01004001

10" x .126" x .087" x 5/8" Z=40

2023021

n max 7000

Operate with proper saw guards, Eye & Ear protection.  
Check reference of this blade to be used with the  
recommended materials and applications.  
New Zealand - German Engineering

**Solid Surface Cutting Tools • Down Spirals  
Compression Routers • Chip Breakers • Up-cuts**

**Split Scoring Saw Blades • Cut Off Saw Blades  
Thin Kerf Saw Blades • Rip Saw Blades  
Mitre Saw Blades**

**763.786.9652**  
[www.armadatool.com](http://www.armadatool.com)



# CABINETRY & WOODWORKING SHARPENING

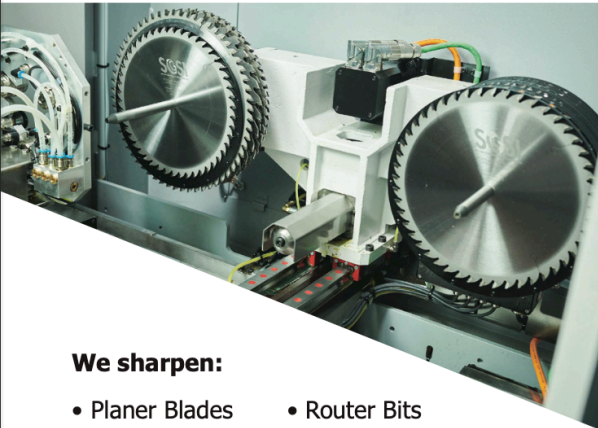
Cabinetry shops & woodworkers have an urgency to get their blades back in a timely fashion.

## INNOVATION FOR MODERN TOOLS

Our Vollmer CH84HS lets us strictly maintain OEM tolerances. Giving your saw blades more life. SGSI can sharpen all sizes of saw blades for cabinetry and woodworking companies in the Twin Cities and greater Minnesota. All shapers, cutters, and router bits are sharpened on a Ridgid tool and cutter grinder to ensure our customers receive the very best.

Our Anca FX7 can grind and sharpen cutting tools with precision and efficiency. The versatile software allows us to easily and quickly set-up or modify tool programs, depending upon your tools' specific requirements. Service Grinding and Sharpening does precision grinding of all cutting tools, including ARMADA Cutting Tools.

**SAVING YOU MONEY**, over buying them new.

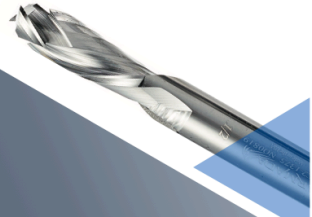


### We sharpen:

- Planer Blades
- Router Bits
- Stile & Rail
- Forstner Bits
- Countersinks
- Panel Cutters
- Inserts
- Spiral Bits
- Compression Spiral Bits
- All Sizes of Saw Blades



Service Grinding & Sharpening Inc.



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## PRECISION AT ITS PEAK!

service | quality | satisfaction



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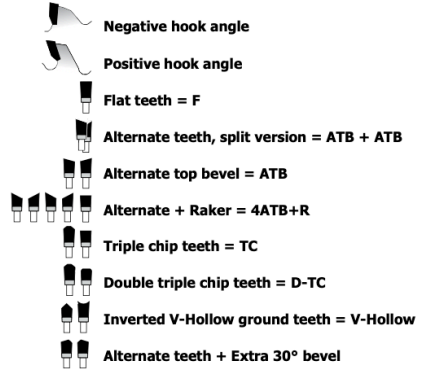
# Saw Blade Technical Information

## MATERIALS

All the saw bodies are manufactured using cold-rolled steel strips quality 75 Cr1 (Material No. 1.2003), bright hardened, and annealed to 42-46 HRC.

- Laser-cut saw bodies and expansion slots, using the latest technology. Some saw blade types are provided with cooper plugs to reduce the turbulent noise.
- Extra-large European carbide tips. The selected submicron grade carbide tips are used for high resistance and micro-grain structure to obtain the best edge depending on the specific sawing application.
- Tri-Metal shim brace carbide tips automatically, providing high tensile strength and impact resistance.
- H7 ISO metric tolerance system bore to ensure the saw blade's maximum performance by giving precise tensioning, run out, and clearance angles.

## HOOK ANGLES & TOOTH SHAPES



# Cutting Tools Technical Information

## MATERIALS

Armada Tools manufactures all the cutting tools using submicron-grain carbide to extend the sharpening life. Armada submicron-grain carbide provides better rigidity and is extremely heat resistant when used for high-speed applications.

## MATRIX COATING

Add matrix coating on any Armada Cutting Tools. Prevent edge build-up and resist sticking with this coating. Matrix coating is precisely engineered to create a longer life by about 30-40%.

## CHIP LOAD CHART

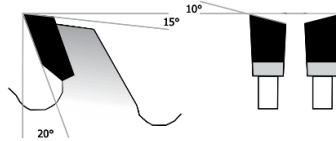
TOOL DIAMETER	HARD WOOD	SOFTWOOD/ PLYWOOD	MDF/PARTICLE BOARD	HIGH PRESSURE LAMINATE	PHENOLIC/ PAPERSTONE
1/8"	.003" - .005"	.004" - .006"	.004" - .007"	.003" - .005"	
1/4"	.009" - .011"	.009" - .013"	.013" - .016"	.009" - .012"	.004" - .006"
3/8"	.015" - .018"	.017" - .020"	.020" - .023"	.015" - .018"	.006" - .008"
1/2"+	.019" - .021"	.021" - .023"	.025" - .027"	.023" - .025"	.010" - .012"

Learn more on RPM Formulas



Chip Load = Feed Rate (inches per minute) / (RPM x number of flutes)

## Rip Saw Blades

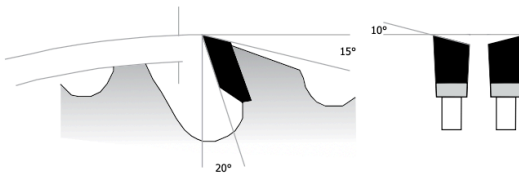


For ripping and cross-cutting of solid wood and board materials on table saws, special sawing machines, etc.

### Grind ATB

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
01-01002401	10"	.126"	.087"	5/8"	24	20°
01-01202802	12"	.126"	.087"	1"	28	20°
01-01403202	14"	.138"	.098"	1"	32	20°

## Rip Saw Blades Anti-Kickback



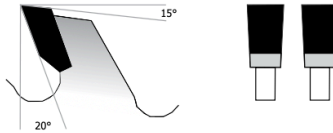
For ripping and cross-cutting of solid wood and board materials on table saws, special sawing machines, with chip limiter to reduce kickbacks.

### Grind ATB

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
03-01002401	10"	.126"	.087"	5/8"	24	20°
03-01202802	12"	.126"	.087"	1"	28	20°
03-01403202	14"	.138"	.098"	1"	32	20°



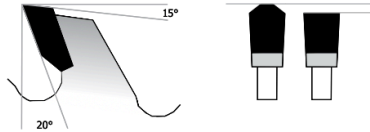
# Heavy Duty Rip Saw Blades



**Specially designed for heavy duty ripping in hard or soft woods.**

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook	Grind F
05-01002401	10"	.145"	.095"	5/8"	24	20	
05-01202802	12"	.160"	.110"	1"	28	20	
05-01403202	14"	.170"	.120"	1"	32	20	
05-01603602	16"	.170"	.120"	1"	36	20	
05-01804002	18"	.184"	.134"	1"	40	20	
05-30002830	300mm	4.0mm	3.2mm	30mm	28	20	

# Glue Line Rip Saw Blades



**The clearest cutting rip blades for all glue line applications on hard or soft woods.**

## Grind TC

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
07-01003001	10"	.145"	.095"	5/8"	30	20°
07-01203602	12"	.160"	.110"	1"	36	20°
07-01203605	12"	.126"	.083"	3-1/8"	36	20° (*) (~)
07-01203608	12"	.150"	.110"	3-1/8"	36	20° (*) (~)
07-01203609	12"	.160"	.110"	3-1/8"	36	20° (*) (~)
07-01404002	14"	.170"	.120"	1"	40	20°
07-01403603	14"	.169"	.120"	2"	36	20° (+) (^)
07-01603602	16"	.170"	.120"	1"	36	20°
07-30003670	300mm	4.2mm	2.8mm	70mm	36	20° (=)

(~) For "Mereen Johnson" machine

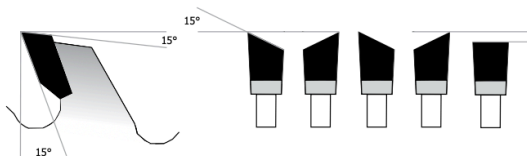
(^) For "Diehl" machine

(+) pin hole 9/16" on 5" b/c

(\*) keyway 1/4" x 1/4" round style + 2 keyways 1/2" x 1/4"

(=) 2 keyways 20x5mm

# Combination Saw Blades

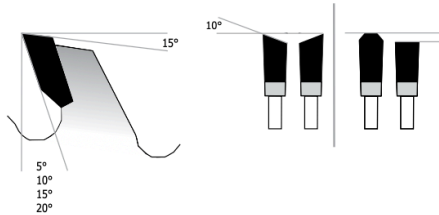


**This blade is specially designed for ripping and cross-cutting in solid wood, plywood and particle boards. The best solution where one blade can be used in different types of cutting.**

## Grind 4ATB+R

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
09-01005001	10"	.126"	.087"	5/8"	50	15°
09-01206002	12"	.150"	.110"	1"	60	15°
09-01407002	14"	.155"	.110"	1"	70	15°
09-01608002	16"	.165"	.120"	1"	80	15°

# Thin Kerf Saw Blades



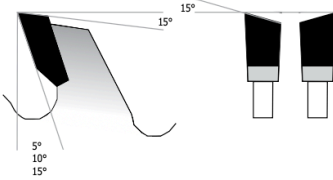
**For fine crust cutting of expensive material where savings is an important matter. ATB Grind for cutting solid wood, plywood, and veneers. TC Grind for cutting plastic, PVC, and plexiglass.**

## Grind ATB & TC

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
10-00806001	8"	.090"	.063"	5/8"	60 ATB	10°
10-00806011	8"	.090"	.063"	5/8"	60 TC	10°
10-01002401	10"	.098"	.071"	5/8"	24 ATB	20°
10-01004001	10"	.090"	.063"	5/8"	40 ATB	15°
10-01008001	10"	.090"	.063"	5/8"	80 ATB	5°
10-01008011	10"	.090"	.063"	5/8"	80 TC	5°
10-01210002	12"	.090"	.063"	1"	100 ATB	5°
10-01210012	12"	.090"	.063"	1"	100 TC	5°



# Standard Cut-off Saw Blades



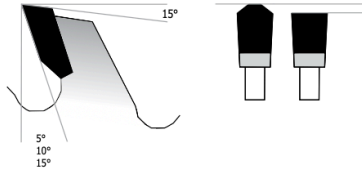
**Universal application for cutting along and across the grain in solid wood and board materials.**

## Grind ATB

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
11-00804001	8"	.110"	.070"	5/8"	40	15°
11-00804002	8"	.110"	.070"	1"	40	15°
11-00806001	8"	.118"	.078"	5/8"	60	10°
11-00906001	9"	.128"	.087"	5/8"	60	10°
11-01004001	10"	.126"	.087"	5/8"	40	15°
11-01004002	10"	.126"	.087"	1"	40	15°
11-01006001	10"	.126"	.087"	5/8"	60	10°
11-01006002	10"	.126"	.087"	1"	60	10°
11-01008001	10"	.126"	.087"	5/8"	80	5°
11-01204802	12"	.126"	.087"	1"	48	15°
11-01206002	12"	.126"	.087"	1"	60	10°
11-01207202	12"	.126"	.087"	1"	72	10°
11-01210002	12"	.126"	.087"	1"	100	5°
11-01406002	14"	.155"	.109"	1"	60	10°
11-01408002	14"	.150"	.109"	1"	80	5°
11-01410002	14"	.150"	.109"	1"	100	5°
11-01604002	16"	.155"	.110"	1"	40	15°
11-01606002	16"	.155"	.110"	1"	60	15°
11-01608002	16"	.155"	.110"	1"	80	15°
11-01806002	18"	.180"	.134"	1"	60	10°
11-01808002	18"	.180"	.134"	1"	80	10°
11-01810002	18"	.180"	.134"	1"	100	10°
11-30006030	300mm	3.2mm	2.2mm	30mm	60	10° (*)
11-30007230	300mm	3.2mm	2.2mm	30mm	72	10° (*)

(\*) 2 combi pin holes 2/7/42mm - 2/9/46mm - 2/10/60mm

# Special Cut-off Saw Blades



**For the best sizing and finishing; cuts in plywood, veneer, plastic laminated board material, on table saws and vertical sizing saws.**

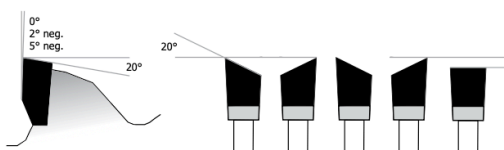
## Grind TC

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook	
13-00804001	8"	.110"	.070"	5/8"	40	15°	
13-00806001	8"	.118"	.078"	5/8"	60	10°	
13-01004001	10"	.126"	.087"	5/8"	40	15°	
13-01006001	10"	.126"	.087"	5/8"	60	10°	
13-01008001	10"	.126"	.087"	5/8"	80	5°	
13-01206002	12"	.126"	.087"	1"	60	10°	
13-01207202	12"	.126"	.087"	1"	72	10°	
13-01210002	12"	.135"	.095"	1"	100	5°	
13-01406002	14"	.155"	.110"	1"	60	10°	
13-01408002	14"	.150"	.109"	1"	80	5°	
13-01410002	14"	.150"	.109"	1"	100	5°	
13-01608002	16"	.155"	.110"	1"	80	15°	
13-01808002	18"	.180"	.134"	1"	80	10°	
13-01810002	18"	.180"	.134"	1"	100	10°	
13-22006430	220mm	3.2mm	2.2mm	30mm	64	10°	(**)
13-25008030	250mm	3.2mm	2.2mm	30mm	80	5°	(*)
13-30006030	300mm	3.2mm	2.2mm	30mm	60	10°	(*)
13-30007230	300mm	3.2mm	2.2mm	30mm	72	10°	(*)
13-30009630	300mm	3.2mm	2.2mm	30mm	96	5°	(*)
13-35008430	350mm	3.5mm	2.5mm	30mm	84	10°	(*)

(\*) 2 combi pin holes 2/7/42mm - 2/9/46mm - 2/10/60mm

(\*\*) 2 pin holes 7/42mm

# Mitre Saw Blades



**For smooth cuts on wood moldings and the least possible grabbing of materials.**

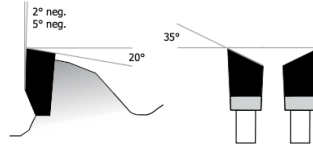
## Grind 4ATB+R

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
15-01006001	10"	.110"	.080"	5/8"	60	2° neg.
15-01008001	10"	.102"	.072"	5/8"	80	0° neg.
15-01008011	10"	.102"	.072"	5/8"	80	5° neg.
15-01206002	12"	.110"	.080"	1"	60	0°
15-01208002	12"	.110"	.080"	1"	80	0°
15-01208012	12"	.122"	.095"	1"	80	0°
15-01210001	12"	.128"	.098"	5/8"	100	5° neg.
15-01210002	12"	.128"	.098"	1"	100	5° neg.
15-01210011	12"	.128"	.098"	5/8"	100	0°
15-01410001	14"	.150"	.120"	5/8"	100	5° neg. (>)
15-01510002	15"	.120"	.098"	1"	100	2° neg. (>)

(>) For "Hitachi" Mitre Saw

(~) For "Pistorius" Mitre Saw

# Double Face Laminate Saw Blades



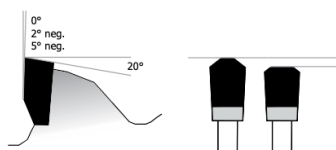
**For fine cuts in laminated board materials on both sides with melamine, formica, veneer, etc. On table saws without scoring unit, vertical panel sizing saws, radial arm saws, mitre-and chop saws. Extra hard sub-micro grain carbide tips for long edge life.**

## Grind ATB 35° neg.

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
17-01008001	10"	.126"	.087"	5/8"	80	5° neg.
17-01209602	12"	.126"	.087"	1"	96	5° neg.
17-01410002	14"	.148"	.118"	1"	100	2° neg.
17-22006430	220mm	3.2mm	2.2mm	30mm	64	5° neg. (**)
17-25008030	250mm	3.2mm	2.2mm	30mm	80	5° neg. (*)
17-30309630	303mm	3.2mm	2.2mm	30mm	96	5° neg. (*)

(\*) 2 combi pin holes 2/7/42mm - 2/9/46mm - 2/10/60mm  
 (\*\*) 2 pin holes 7/42mm

## Double Face Melamine & Solid Surface Saw Blades



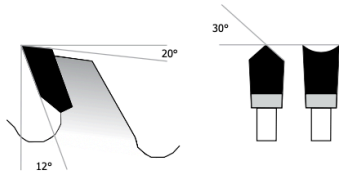
**The best option for chip-free top and bottom, cuts in double sided materials such as melamine, double faced high and low pressure laminates. To use in radial or table saws.**

### Grind D-TC neg.

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
19-00706001	7-1/4"	.102"	.072"	5/8"	60	0°
19-00806001	8"	.106"	.072"	5/8"	60	0°
19-01008001	10"	.115"	.085"	5/8"	80	5° neg.
19-01008011	10"	.115"	.085"	5/8"	80	0°
19-01210002	12"	.126"	.095"	1"	100	5° neg.
19-01210012	12"	.126"	.095"	1"	100	0°
19-01410002	14"	.150"	.110"	1"	100	2° neg.
19-01612002	16"	.150"	.110"	1"	120	2° neg.
19-25008030	250mm	2.9mm	2.2mm	30mm	80	2° neg. (*)
19-30309630	303mm	3.2mm	2.2mm	30mm	96	5° neg. (*)
19-30309632	303mm	3.2mm	2.2mm	30mm	96	0° (*)

(\*) 2 combi pin holes 2/7/42mm - 2/9/46mm - 2/10/60mm

# Hollow-Face Saw Blades



**For perfect cutting quality in melamine-faced board materials on both sides up to 30 mm cutting height. For use on table saws and vertical panel sizing saws.**

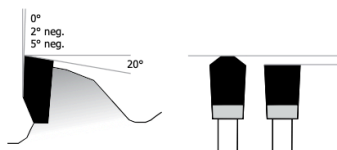
## Grind V-Hollow

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
21-22004030	220mm	3.2mm	2.2mm	30mm	40	12° (**)
21-25004830	250mm	3.2mm	2.2mm	30mm	48	12° (*)
21-30306030	303mm	3.2mm	2.2mm	30mm	60	12° (*)

(\*) 2 combi pin holes 2/7/42mm - 2/9/46mm - 2/10/60mm

(\*\*) 2 pin holes 7/42mm

# Non-Ferrous Metal Cutting Saw Blades



**For profiles and sheets of aluminum and plastics on chop-mitre saws and special machines. The negative tooth shape prevents filling up of the gullet. Use coolant or lubricant and clamp the material firmly.**

## Grind TC neg.

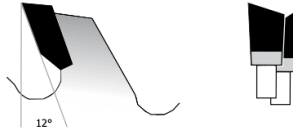
Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
23-00706001	7-1/4"	.112"	.087"	5/8"	60	5° neg.
23-01006001	10"	.126"	.102"	5/8"	60	5° neg.
23-01008001	10"	.126"	.102"	5/8"	80	5° neg.
23-01010001	10"	.126"	.102"	5/8"	100	5° neg.
23-01207202	12"	.128"	.102"	1"	72	5° neg.
23-01208002	12"	.128"	.102"	1"	80	5° neg.
23-01210001	12"	.128"	.102"	5/8"	100	5° neg.
23-01210002	12"	.128"	.102"	1"	100	5° neg.
23-01410802	14"	.138"	.110"	1"	108	5° neg.
23-01410001	14"	.150"	.126"	5/8"	100	2° neg. (~)
23-01510002	15"	.120"	.098"	1"	100	2° neg. (^)
23-01610002	16"	.150"	.126"	1"	100	2° neg.
23-01810002	18"	.165"	.134"	1"	100	2° neg.
23-02010002	20"	.174"	.134"	1"	100	0°
23-02012002	20"	.174"	.134"	1"	120	0°
23-02014002	20"	.174"	.134"	1"	140	0°

(~) For "Pistorius" Mitre Saw

(^) For "Hitachi" Mitre Saw

**Supplied with copper rivets**

# Split Scoring Saw Blades



**For scoring of plastic laminated board materials in conjunction with panel sizing saw blades TC on table saws.**

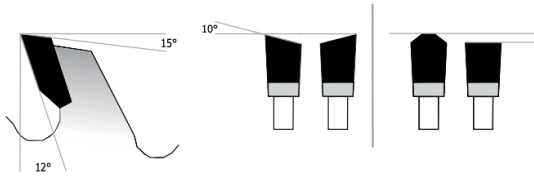
## Grind ATB

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
25-08002020	80mm	2.8-3.6mm	2.0mm	20mm	2x10	12°
25-10002420	100mm	2.8-3.6mm	2.0mm	20mm	2x12	12°
25-10002422	100mm	2.8-3.6mm	2.0mm	22mm	2x12	12°
25-12002420	120mm	2.8-3.6mm	2.0mm	20mm	2x12	12°
25-12002422	120mm	2.8-3.6mm	2.0mm	22mm	2x12	12°
25-12002403	120mm	2.8-3.6mm	2.0mm	3/4"	2x12	12°
25-12002450	120mm	2.8-3.8mm	2.2mm	50mm	2x12	12°
25-12502422	125mm	2.8-3.6mm	2.0mm	22mm	2x12	12°





# General Purpose Saw Blades for Portable Machines

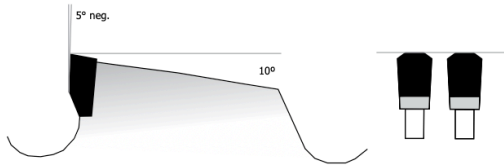


Manufactured to work in portable machines with all the technical features of "high industrial quality" saw blades.

## Grind ATB & TC

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
27-00702401	7-1/4"	.102"	.072"	5/8"	24 ATB	12°
27-00704001	7-1/4"	.102"	.072"	5/8"	40 ATB	12°
27-00706001	7-1/4"	.102"	.072"	5/8"	60 ATB	12°
27-00704013	7-1/4"	.102"	.072"	5/8"	40 TC	12°

# Nail Saw Blades

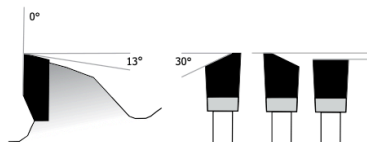


**For all materials used on building sites, such as wood with nails, clips, concrete residues, tubes and similar wood inclusions.**

## Grind TC/TC

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
29-01002001	10"	.126"	.087"	5/8"	20	5° neg.
29-01202402	12"	.126"	.087"	1"	24	5° neg.
29-01402802	14"	.137"	.098"	1"	28	5° neg.
29-01803602	18"	.165"	.110"	1"	36	5° neg.

## Steel Cutting Saw Blades



**For dry cutting of mild steel type S237, metal-clad work-pieces such as sandwich panels. Angle irons, pipes, cable ducts, sheet metal, brass, cooper.**

### Grind ATB + EXTRA 30° Bevel

Ref. No.	D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	Hook
31-20504002	205mm (8")	2.2mm	1.8mm	25.4mm (1")	40	0°
31-25504802	255mm (10")	2.4mm	2.0mm	25.4mm (1")	48	0°
31-30506002	305mm (12")	2.4mm	2.0mm	25.4mm (1")	60	0°
31-30508402	305mm (12")	2.7mm	2.4mm	25.4mm (1")	84	0°
31-35508402	355mm (14")	2.8mm	2.5mm	25.4mm (1")	84	0°
31-35510202	355mm (14")	2.8mm	2.5mm	25.4mm (1")	102	0°

# Panel Saw Blades

## Conical Scoring Saw Blades

For sizing and scoring of double sided laminate boards in  
Panel sizing machines.

### Panel = Grind TC / Scoring = Grind ATB

Ref. No.		D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	
<b>"HOLZMA" machine</b>							
40-38007260	Panel	380mm	4.8mm	3.4mm	60mm	72	(K)
40-42007260	Panel	420mm	4.8mm	3.6mm	60mm	72	(C)
42-20003445	Scoring	200mm	4.8/5.8mm	3.6mm	45mm	34 Conical	
40-45007260	Panel	450mm	4.8mm	3.6mm	60mm	72	(C)
42-18003645	Scoring	180mm	4.8/5.8mm	3.6mm	45mm	36 Conical	
42-20003445	Scoring	200mm	4.8/5.8mm	3.6mm	45mm	34 Conical	
40-50007260	Panel	500mm	4.8mm	3.6mm	60mm	72	(D)
42-20003445	Scoring	200mm	4.8/5.8mm	3.6mm	45mm	34 Conical	
40-60007260	Panel	600mm	5.8mm	4.2mm	60mm	72	(D)
42-20003446	Scoring	200mm	5.8/6.8mm	4.2mm	45mm	34 Conical	
<b>"SELCO" machine</b>							
40-45007280	Panel	450mm	4.4mm	3.2mm	80mm	72	(F)
42-20003465	Scoring	200mm	4.4/5.4mm	3.2mm	65mm	34 Conical	(I)
40-45007281	Panel	450mm	4.8mm	3.6mm	80mm	72	(F)
42-20003466	Scoring	200mm	4.8/5.8mm	3.6mm	65mm	34 Conical	(I)

PIN HOLES:

(A) = 4/9/100 - 2/14/110	(E) = 4/9/100	(I) = 2/9/110
(B) = 4/15/105	(F) = 2/9/130 - 4/19/120	(J) = 2/14/100-2/7/110-4/9/100
(C) = 2/14/125	(G) = 2/7/110 - 4/9/100 - 2/14/110	(K) = 2/14/100
(D) = 2/11/115	(H) = 3/7/66	(L) = 3/11/70

**NOTE: Panel saws with Diameter 500mm and up the tip size is : 13x4mm**

# Panel Saw Blades

## Conical Scoring Saw Blades

Ref. No.		D(Dia)	B(Kerf)	b(Plate)	d(Bore)	Z(Teeth)	
<b>"SCMI" machine</b>							
40-35007232	Panel	350mm	4.4mm	3.0mm	1-1/4"	72	(E)
42-15002432	Scoring	150mm	4.4/5.4mm	3.0mm	1-1/4"	24 Conical	
<b>"SCM SIGMA" machine - "GABBIANI" machine</b>							
40-30007280	Panel	300mm	4.4mm	3.0mm	80mm	72	(J)
40-35007280	Panel	350mm	4.4mm	3.0mm	80mm	72	(G)
40-40007280	Panel	400mm	4.4mm	3.2mm	80mm	72	(A)
42-16003655	Scoring	160mm	4.4/5.4mm	3.2mm	55mm	36 Conical	(H)
<b>"SCHELLING" machine</b>							
40-37007230	Panel	370mm	4.4mm	3.2mm	30mm	72	
42-20003420	Scoring	200mm	4.4/5.4mm	3.0mm	20mm	34 Conical	
40-40007230	Panel	400mm	4.4mm	3.2mm	30mm	72	
42-20003420	Scoring	200mm	4.4/5.4mm	3.0mm	20mm	34 Conical	
<b>"GIBEN" machine</b>							
40-35507275	Panel	355mm	4.4mm	3.0mm	75mm	72	
42-12502445	Scoring	125mm	4.4/5.4mm	3.2mm	45mm	24 Conical	
40-40007275	Panel	400mm	4.4mm	3.2mm	75mm	72	(B)
42-16002845	Scoring	160mm	4.4/5.2mm	3.2mm	45mm	28 Conical	(L)

### PIN HOLES

(A) = 4/9/100 - 2/14/110	(E) = 4/9/100	(I) = 2/9/110
(B) = 4/15/105	(F) = 2/9/130 - 4/19/120	(J) = 2/14/100-2/7/110-4/9/100
(C) = 2/14/125	(G) = 2/7/110 - 4/9/100 - 2/14/110	(K) = 2/14/100
(D) = 2/11/115	(H) = 3/7/66	(L) = 3/11/70

**NOTE: Panel saws with Diameter 500mm and up the tip size is : 13x4mm**

# Stackable Dado Sets



**Standard dado set consists of right and left hand saws, four square top chippers, and shims that allow fine adjustment. The complete cutter set is supplied in a plywood box. Clean cutting for cross-cut or ripping.**

Ref. No.	D(Dia)	B(Kerf)	d(Bore)	Z(Teeth)
50-20002401	8"(203mm)	1/8" to 13/16"	5/8"	24
Consists of: (2) saw blades, (1) 1/16" square chipper, (2) 1/8" square chippers, (1) 1/4"square chipper, and shims.				
50-25003601	10"(250mm)	1/8" to 13/16"	5/8"	36
Consists of: (2) saw blades, (1) 1/16" square chipper, (2) 1/8" square chippers, (1) 1/4"square chipper, and shims.				



## Down Spiral Cutting Tool

For use when the top surface needs to be protected. Armada's down spiral routers have a two or three flute design that creates a smooth upward-facing edge. While using a down spiral router the chips will be flying downwards.

Ref. No.	Down Spiral			
	OD (Outside Dia)	LOC (Length of Cut)	FL (Flute)	OAL (Overall Length)
25DS2-0900	.250"	.900"	2	2.500"
25DS2-1125	.250"	1.125"	2	4.000"
25DS2-1250	.250"	1.250"	2	3.000"
38DS2-1000	.375"	1.000"	2	3.000"
38DS2-1250	.375"	1.250"	2	3.000"
38DS3-1250	.375"	1.250"	3	3.000"
50DS2-1250	.500"	1.250"	2	3.500"
50DS2-1625	.500"	1.625"	2	3.500"
50DS3-1000	.500"	1.000"	3	3.000"
50DS3-1250	.500"	1.500"	3	3.500"
50DS2-1750	.500"	1.750"	2	3.500"
58DS2-1000	.625"	1.000"	2	3.500"
58DS2-1625	.625"	1.625"	2	3.500"
58DS2-2125	.625"	2.125"	2	4.000"
75DS3-2250	.750"	2.250"	3	5.000"
75DS3-2500	.750"	2.500"	3	5.000"

### Down Spiral Low Helix

50DSS2-1125	.500"	1.125"	2	3.500"
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### Down Spiral Matrix Coated

25DS2-0900MC	.250"	.900"	2	2.500"
38DS2-1000MC	.375"	1.000"	2	3.000"
50DS2-1250MC	.500"	1.250"	2	3.500"

# Up Spiral Cutting Tool

For plunges or when the bottom edge needs to be protected. Armada's up spiral routers have a two or three flute design that creates a smooth bottom facing edge. While using an up spiral router the chips will be flying upwards.

## Up Spiral

Ref. No.	OD (Outside Dia)	LOC (Length of Cut)	FL (Flute)	OAL (Overall Length)
25US2-0900	.250"	.900"	2	2.500"
25US2-1250	.250"	1.25"	2	3.000"
38US2-1250	.375"	1.250"	2	3.000"
50AU2C-1125	.500"	1.25"	2	3.000"
50US2-1250	.500"	1.250"	2	3.000"
50US2-1625	.500"	1.625"	2	3.500"

## Up Spiral Low Helix

25USS3-0750CB	.250"	.750"	3	3.000" with chip breaker
25USS3-1000	.250"	1.000"	3	2.500"
38USS3-1000	.375"	1.000"	3	3.000"
50USS2-1000	.500"	1.000"	2	2.500"
50USS2-1250	.500"	1.125"	2	3.500"
50USS3-0750	.500"	.750"	3	3.000"





# Compression Cutting Tool

**Extensively for cutting double side laminates such as melamine or plywood. Armada's compression tools have a two or three flute design that combines both upcut and downcut spirals achieving a sharp, clean edge on your workpiece. The bottom of the material is being pulled upwards while the top of the material pushes downwards, eliminating the risk of damaging either surface.**

## Compression

Ref. No.	OD (Outside Dia)	LOC (Length of Cut)	FL (Flute)	OAL (Overall Length)
25C2-2000	.250"	2.000"	2+2	5.000"
38C2-1125	.375"	1.125"	2+2	3.000"
50C2-1125	.500"	1.125"	2	3.000"
50C2-1375	.500"	1.375"	2+2	3.500"
50C2-1750	.500"	1.750"	2+2	3.500"
50C2L-1125	.500"	1.125"	2+2	3.000"
50C2L-1375	.500"	1.375"	2+2	3.500"
50C2L-1625	.500"	1.625"	2+2	4.000"
50C3-1250	.500"	1.250"	3+3	3.500"
58C2-1500	.625"	1.500"	2	4.000"
58C2-2250	.625"	2.250"	2+2	4.000"

## Compression Matrix Coated

50C2-1125MC	.500"	1.125"	2	3.000"
50C2-1375MC	.500"	1.375	2+2	3.500"

# Compression Mortise Cutting Tool

Extensively for cutting double-sided laminates, such as melamines or veneers that are 5/8" thick or less. Armada's compression mortise tools have a two or three flute design that combines both upcut and downcut spirals along with a shorter shear length. This helps achieve a smooth groove or mortise without chipping the top surface.

## Compression Mortise

Ref. No.	OD (Outside Dia)	LOC (Length of Cut)	FL (Flute)	OAL (Overall Length)
25CM2-0900	.250"	.900"	2+2	2.500"
38CM2-0900	.375"	.900"	2	3.000"
38CM2-1125	.375"	1.125"	2+2	3.000"
38CM3-0900	.375"	.900"	3	3.000"
50CM2-1000	.500"	1.000"	2+2	3.500"
50CM2-1250	.500"	1.250"	2+2	3.000"
50CM2-1375	.500"	1.375"	2+2	3.500"
50CM2-1625	.500"	1.625"	2+2	3.500"
50CM3-1000	.500"	1.000"	3+3	3.000"
50CM3-1375	.500"	1.375"	3+3	3.500"
50CM3-1625	.500"	1.625"	3+3	3.500"

## Compression Mortise Matrix Coated

38CM2-0900MC	.375"	.900"	2	3.000"
38CM2-1125MC	.375"	1.125"	2+2	3.000"
38CM2-1375MC	.375"	1.375"	2+2	3.500"
50CM2-1000MC	.500"	1.000"	2+2	3.500"



## Hinge Cutters

Hinge Cutters are designed to bore a recess into your wood suitable for fitting hinges. They can be used on hardwood or softwood cabinetry, furniture, and interior fittings.

<b>OAL</b>	<b>D(Dia)</b>	<b>Ref. No.</b>	<b>RH</b>	<b>LH</b>
57mm	14.3mm	7500-143	00	01
57mm	15mm	7500-150	00	01
57mm	16mm	7500-160	00	01
57mm	16.5mm	7500-165	00	01
57mm	18mm	7500-180	00	01
57mm	19mm	7500-190	00	01
57mm	19.7mm	7500-197	00	01
57mm	20mm	7500-200	00	01
57mm	22mm	7500-220	00	01
57mm	24mm	7500-240	00	01
57mm	25mm	7500-250	00	01
57mm	26mm	7500-260	00	01
57mm	27mm	7500-270	00	01
57mm	28mm	7500-280	00	01
57mm	30mm	7500-300	00	01
57mm	32mm	7500-320	00	01
57mm	35mm	7500-350	00	01
57mm	38mm	7500-380	00	01
57mm	40mm	7500-400	00	01
57mm	44mm	7500-440	00	01
57mm	55mm	7500-550	00	01
57mm	58mm	7500-580	00	01
<b>OAL</b>	<b>D(Dia)</b>	<b>Ref. No.</b>	<b>RH</b>	<b>LH</b>
70mm	14.3mm	7500-143	10	11
70mm	15mm	7500-150	10	11
70mm	16mm	7500-160	10	11
70mm	16.5mm	7500-165	10	11
70mm	18mm	7500-180	10	11
70mm	19mm	7500-190	10	11
70mm	20mm	7500-200	10	11
70mm	22mm	7500-220	10	11
70mm	25mm	7500-250	10	11
70mm	26mm	7500-260	10	11
70mm	28mm	7500-280	10	11
70mm	28.6mm	7500-286	10	11
70mm	30mm	7500-300	10	11
70mm	35mm	7500-350	10	11
70mm	38mm	7500-380	10	11
70mm	40mm	7500-400	10	11
70mm	44mm	7500-440	10	11
70mm	45mm	7500-450	10	11

# Helix Mortise Cutter

The Helix Mortise Cutter is used to create hinge mortises. This can be used in either a hand held or machine router. This 2 winged carbide tipped cutter has a down shear cutting design to make clean, splinter free cuts. The heads are designed to screw down onto a Helix Mortise Arbo for easy transition from one cutting head to the next.

Ref. No.	Fractional Dia.	Decimal Dia.	Cutting Length	OAL
13-500	1/2"	.500"	5/8"	7/8"
13-515	32/64"	.515"	5/8"	7/8"
13-531	17/32"	.531"	5/8"	7/8"
13-562	9/16"	.562"	5/8"	7/8"
13-625	5/8"	.525"	5/8"	7/8"
13-640	41/64"	.640"	5/8"	7/8"
13-656	21/32"	.656"	5/8"	7/8"
13-687	11/16"	.687"	5/8"	7/8"
13-719	23/32"	.719"	5/8"	7/8"
13-750	3/4"	.750"	5/8"	7/8"
13-765	49/64"	.765"	5/8"	7/8"
13-781	25/32"	.781"	5/8"	7/8"
13-812	13/16"	.812"	5/8"	7/8"
13-875	7/8"	.875"	5/8"	7/8"
13-937	15/16"	.937"	5/8"	7/8"
13-1000	1"	1"	1/2"	1/2"
13-1125	1-1/8"	1.125"	1/2"	1/2"
13-1250	1-1/4"	1.25"	1/2"	1/2"
13-1250A	1-1/4"	1.25"	1/2"	1/2"

# Collets for Tool Holders

Collets are used to hold a tool in a central position as it rotates. We offer a variety of sizes and types of collets for your needs.

- SPAZ.32DIN6499 – 1/4 3/8 1/2 3/4 5/8 ER32 Collet
- SPAZ.40DIN6499 – 1/4 3/8 1/2 3/4 5/8 ER40 Collet
- SPAZ.25DIN6388 – 1/4 3/8 1/2 3/4 5/8 SYOZ25 Collet

# Tool Holders

- SPZ.HSK63F07032ERR – HSK63F Tool Holder ER32 Inside
- SPZ.HSK63F07625PZR – HSK63F Tool Holder SYOZ25 Inside
- SPZ.HSK63F07640ERR – HSK63F Tool Holder ER40 Inside
- SPZ.30DIN05032ERR – ISO SK-30 Tool Holder ER32 Inside A=50
- SPZ.30DIN06332ERR – ISO SK-30 Tool Holder ER32 Inside A-63
- SPZ.30DIN07032ERR - ISO SK-30 Tool Holder ER32 Inside A-70

## DOWEL DRILL BITS 57MM

The carbide-tipped brad point dowel drill bits have a sharp pin at the tip of the bit which bites into the wood to ensure a straight and even hole. The tools are used for creating accurate holes for shelving pins in cabinets and furniture construction. All Dowel Drills can also come in solid carbide for longer run times and better-quality cuts.

OAL	D(Dia)	CL	Ref. No.	RH	LH
57mm	4.0mm	27mm	7000-040	00	01
57mm	4.76mm	27mm	7000-047	00	01
57mm	5.0mm	27mm	7000-050	00	01
57mm	5.1mm	27mm	7000-051	00	01
57mm	5.2mm	27mm	7000-052	00	01
57mm	5.5mm	27mm	7000-055	00	01
57mm	6.0mm	27mm	7000-060	00	01
57mm	6.35mm	27mm	7000-635	00	01
57mm	6.5mm	27mm	7000-065	00	01
57mm	7.0mm	27mm	7000-070	00	01
57mm	7.14mm	27mm	7000-071	00	01
57mm	7.5mm	27mm	7000-075	00	01
57mm	8.0mm	27mm	7000-080	00	01
57mm	8.1mm	27mm	7000-081	00	01
57mm	8.2mm	27mm	7000-082	00	01
57mm	8.5mm	27mm	7000-085	00	01
57mm	8.7mm	27mm	7000-087	00	01
57mm	9.0mm	27mm	7000-090	00	01
57mm	9.52mm	27mm	7000-375	00	01
57mm	10mm	27mm	7000-100	00	01
57mm	11mm	27mm	7000-110	00	01
57mm	12mm	27mm	7000-120	00	01
57mm	12.7mm	27mm	7000-500	00	01
57mm	13mm	27mm	7000-130	00	01
57mm	14mm	27mm	7000-140	00	01
57mm	15mm	27mm	7000-150	00	01

# DOWEL DRILL BITS 70MM

OAL	D(Dia)	CL	Ref. No.	RH	LH
70mm	4.0mm	35mm	7100-040	10	11
70mm	4.76mm	35mm	7100-047	10	11
70mm	5.0mm	35mm	7100-050	10	11
70mm	5.1mm	35mm	7100-051	10	11
70mm	5.2mm	35mm	7100-052	10	11
70mm	5.5mm	35mm	7100-055	10	11
70mm	6.0mm	35mm	7100-060	10	11
70mm	6.35mm	35mm	7100-635	10	11
70mm	6.5mm	35mm	7100-065	10	11
70mm	6.7mm	35mm	7100-067	10	11
70mm	7.0mm	35mm	7100-070	10	11
70mm	7.14mm	35mm	7100-071	10	11
70mm	7.5mm	35mm	7100-075	10	11
70mm	8.0mm	35mm	7100-080	10	11
70mm	8.1mm	35mm	7100-081	10	11
70mm	8.2mm	35mm	7100-082	10	11
70mm	8.4mm	35mm	7100-084	10	11
70mm	8.5mm	35mm	7100-085	10	11
70mm	8.73mm	35mm	7100-087	10	11
70mm	9.0mm	35mm	7100-090	10	11
70mm	9.52mm	35mm	7100-375	10	11
70mm	10mm	35mm	7100-100	10	11
70mm	10.4mm	35mm	7100-104	10	11
70mm	11mm	35mm	7100-110	10	11
70mm	11.1mm	35mm	7100-111-1	10	11
70mm	12mm	35mm	7100-120	10	11
70mm	12.7mm	35mm	7100-500	10	11
70mm	13mm	35mm	7100-130	10	11
70mm	14mm	35mm	7100-140	10	11
70mm	14.3mm	35mm	7100-143	10	11
70mm	15mm	35mm	7100-150	10	11
70mm	15.9mm	35mm	7100-159	10	11
70mm	16mm	35mm	7100-160	10	11
70mm	17mm	35mm	7100-170	10	11
70mm	18mm	35mm	7100-180	10	11

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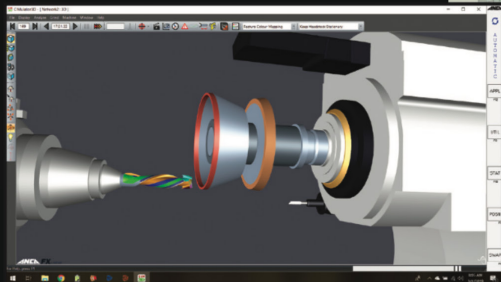
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Ref no. 11-01004001  
10" x .126" x .087" x 5/8" Z=40  
2023021 n max 7000  
Operate with proper saw guards. Eye & Ear protection.  
Check reference of this blade to be used with the  
recommended materials and applications.  
New Zealand - German Engineering

## Saw Blades & Cutting

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