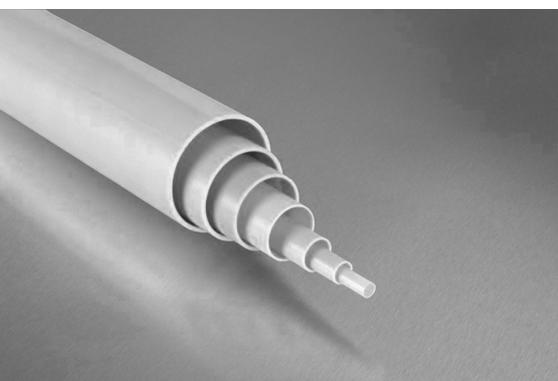
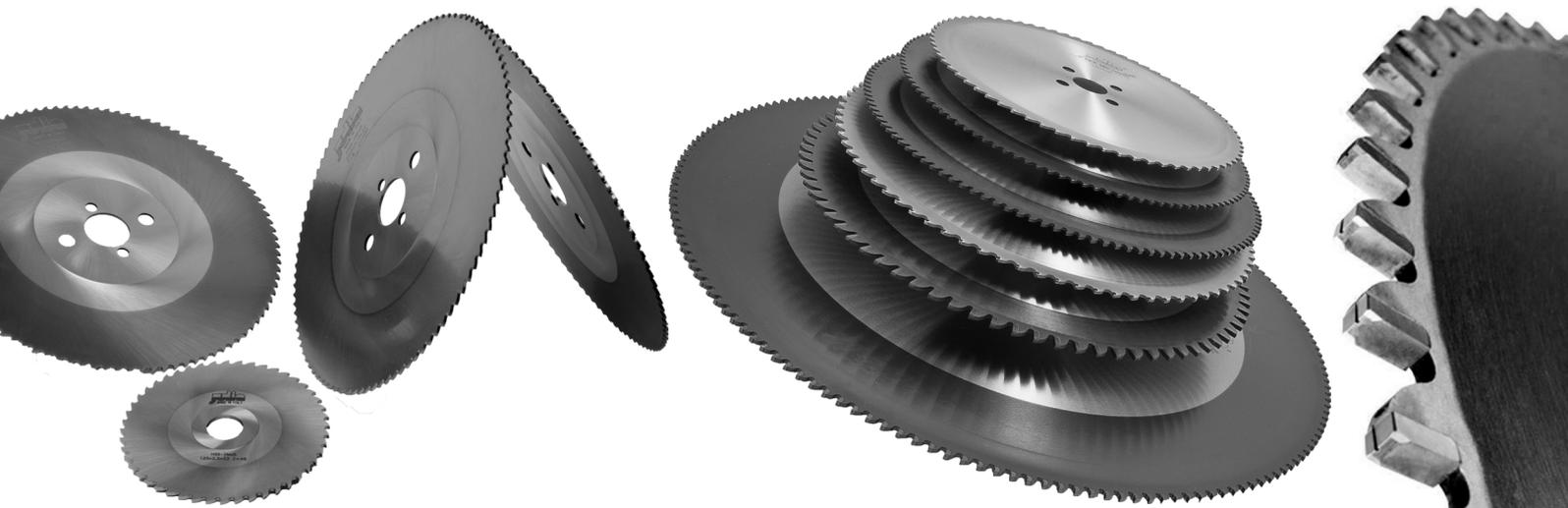
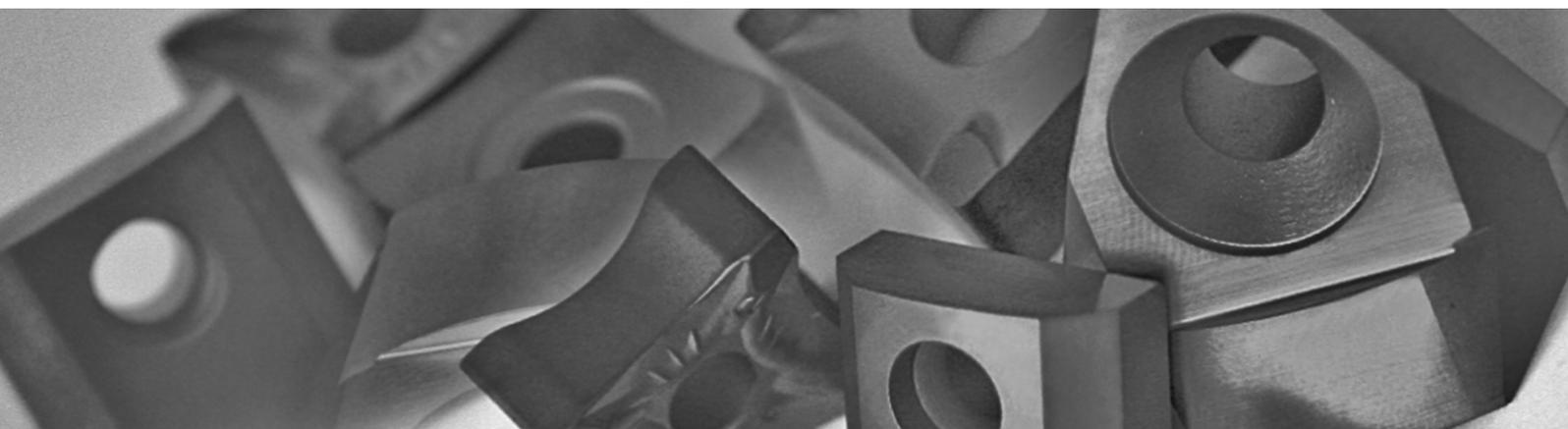


# dimotek

a competence powered company  
of Gruppo OMCD

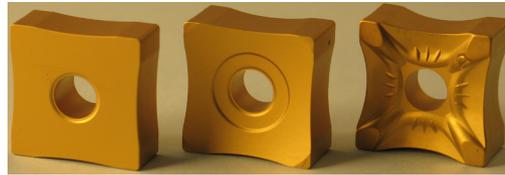


# External scarfing

OUR STANDART SOLUTION IS THE SNMX INSERT WITH 8 CUTTING EDGES. THE SNMX INSERT IS AVAILABLE IN DIFFERENT GEOMETRIES, SIZES, GRADES AND COATINGS. WE HAVE SET THE GOAL TO SUPPLY OUR CLIENTS WITH THE BEST INSERT FOR THEIR MATERIAL AND APPLICATION.



8 CUTTING EDGES



DIFFERENT GEOMETRIES



DIFFERENT SIZES

## INSERTS AND SPARE PARTS KITS

<p>FIXING SYSTEM FOR SNMX INSERTS</p>	<p>SNMX25...-03</p>	<p>SNMX25...-02</p>	<p>SNMX19...-04</p>	<p>SNMX19...-02</p>	<p>SNMX15...-04</p>	<p>SNMX15...-02</p>
	<p>PSX325.10</p>	<p>PSX325.11</p>	<p>PSX319.10</p>	<p>PSX319.11</p>	<p>PSX315.10</p>	<p>PSX315.11</p>
	<p>PL116</p>	<p>PL116</p>	<p>PL115</p>	<p>PL114</p>	<p>PL113</p>	<p>PL113</p>
	<p>V05</p>	<p>V05</p>	<p>V04</p>	<p>V04</p>	<p>V03</p>	<p>V03</p>
	<p>V05</p>	<p>V05</p>	<p>V04</p>	<p>V04</p>	<p>V03</p>	<p>V03</p>

## SNMX GEOMETRY TYPES



01

02

03

04

05

## PRODUCT CODE IDENTIFICATION

e.g.: SNMX 150705-02 M813G R.20

15 – insert edge length 15x15mm

07 – insert thickness 7mm

05 – insert corner r=0.5mm

02 – insert type “02”

M813G – carbide grade

R.20 – radius of the cutting edge

# External scarfing

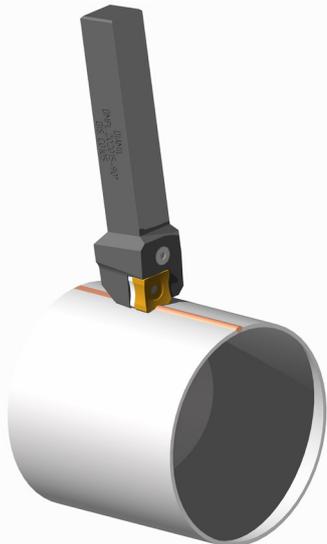
## TYPE OF INSERT SELECTION

INSERT TYPE	INSERT SIZE	GRADE M813G	GRADE C912G	GRADE P712G	GRADE P812G	BACK PLATE TYPE	RADIUS RANGE
<b>01 - NEGATIVE</b>							
SNMX150605-01	15mm	•		•		FLAT	R7 - R100
SNMX190708-01	19mm	•		•		FLAT	R10 - R100
SNMX250924-01	25mm		•	•		FLAT	R50 - R200
<b>02 - POSITIVE</b>							
SNMX150705-02	15mm	•			•	CURVED	R7 - R100
SNMX190912-02	19mm	•		•		CURVED	R10 - R100
SNMX251224-02	25mm		•	•		CURVED	R50 - R200
<b>03 - POSITIVE WITH CHIP BREAKER</b>							
SNMX150705-03	15mm			•		FLAT	R20 - R60
SNMX250924-03	25mm			•		FLAT	up to R200
<b>04 - POSITIVE (SNMG TYPE)</b>							
SNMX150705-04	15mm	•			•	FLAT	R7 - R100
SNMX190808-04	19mm	•		•		FLAT	R9 - R100
<b>05 - SUPER POSITIVE</b>							
SNMX150705-05	15mm	•				CURVED	R9 - R60

M813G; C912G - STANDARD CARBIDE GRADES  
P712G; P812G - PREMIUM CARBIDE GRADES

## RADIUS CHOICE

THE RECOMMENDED INSERT RADIUS CAN BE FOUND INTO THE FOLLOWING TABLES. THE RADIUS VARIES DEPENDING ON THE RANGE OF THE TUBE DIAMETERS AND INSERT TYPE. PLEASE NOTE THAT THIS IS ONLY A GUIDE AND CERTAIN PREFERENCES CAN MEAN A SLIGHTLY DIFFERENT SELECTION TO THE VALUES BELOW.



TUBE DIAMETER		RADII
NEGATIVE TYPE	POSITIVE TYPE	r
MIN÷MAX	MIN÷MAX	
8÷13.5	8÷13.5	7
13.5÷17	12.5÷16	9
17÷21	16÷20	11
21÷25	20÷24	13
25÷29	24÷28	15
29÷35	28÷33	18
35÷39	32÷37	20
39÷43	37÷41	22
43÷49	41÷45	25

TUBE DIAMETER		RADII
NEGATIVE TYPE	POSITIVE TYPE	r
MIN÷MAX	MIN÷MAX	
49÷53	45÷50	27
53÷59	50÷54	30
59÷69	54÷62	35
69÷79	62÷70	40
79÷89	70÷78	45
89÷99	78÷85	50
99÷149	85÷120	75
149÷198	120÷150	100

## OTHER SOLUTIONS FOR EXTERNAL SCARFING



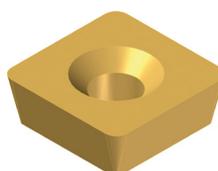
LGMN



LOGX



ROMX



SDUW



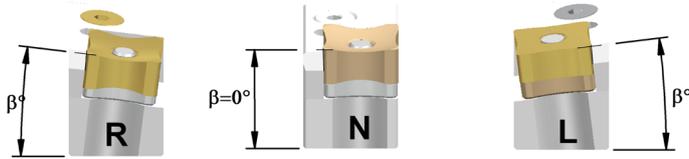
SDMX



LOGN

# External scarfing

## SNMX TOOLHOLDERS

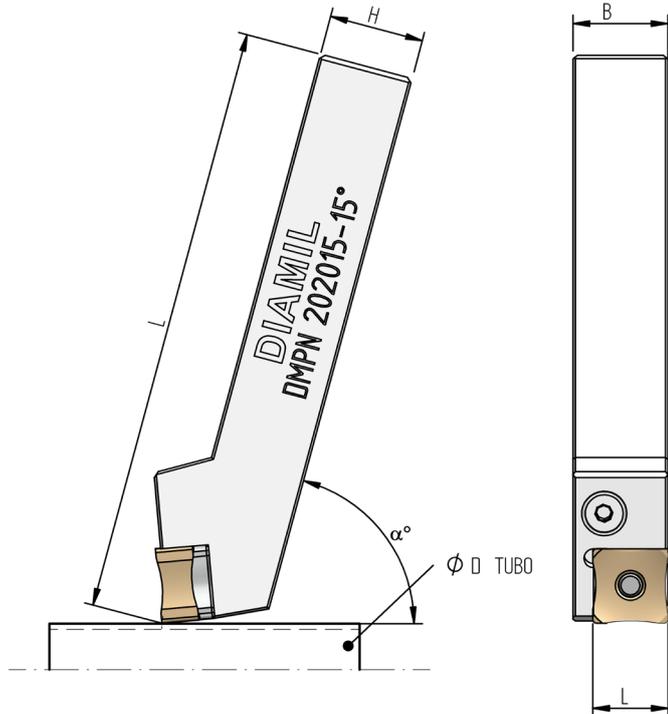


**TOOLHOLDERS DIMENSIONS TABLE**

TOOLHOLDER CODE	BxH	L	SUITABLE INSERT
DMP N/R/L 202015-90	20x20	125	SNMX 15
DMP N/R/L 202015-75			
DMP N/R/L 252515-90	25x25	150	
DMP N/R/L 252515-75			
DMP N/R/L 252519-90	32x32	170	SNMX 19
DMP N/R/L 323219-75			SNMX 25
DMP N/R/L 323225-75			

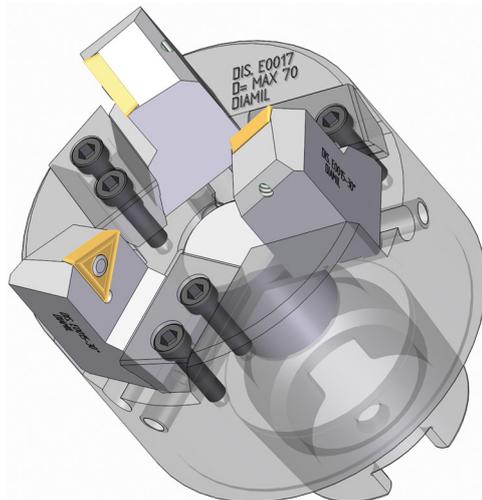
IN ADDITION TO THE STANDARD TOOLS WE ARE ABLE TO PRODUCE CUSTOM MADE TOOLS. THE NEEDED DIMENSIONS IN CASE OF ENQUIRY CAN BE FOUND INTO THE FOLLOWING TABLE.

DIMENSIONS	DESCRIPTION
B	SHANK WIDTH
H	SHANK HEIGHT
L	SHANK LENGHT
15/19/25	INSERT DIMENTIONS
$\beta^\circ$	TOP RAKE ANGLE
$\alpha^\circ$	HEAD INCLINATION (75° or 90°)
R/N/L	DIRECTION (RIGHT/NEUTRAL/LEFT)



# Other tube processing applications

WE ARE ABLE TO SUPPLY A WIDE RANGE OF TUBE MACHINING PRODUCTS LIKE CARBIDE INSERTS, TOOLHOLDERS AND SPARE PARTS FOR STRIP EDGE MILLING, TUBE END MACHINING AND CUSTOM DESIGNED SOLUTIONS FOR SPECIAL DEMANDS.

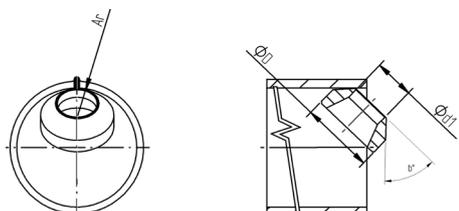


# Internal scarfing

## CUTTING RINGS



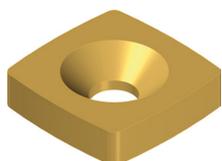
DIMOTEK FEATURES THE COMPLETE LINE OF HARD METAL RINGS FOR INTERNAL SCARFING WHICH ARE AVAILABLE IN 42° (GENERAL PURPOSE) AND 48° (ALLUMINAZED TUBES), IN DIFFERENT GRADES, PVD OR CVD COATED, OR WITHOUT ANY COATING.



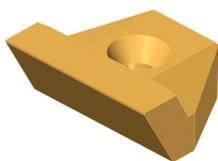
CODE	WORKING RANGE	D
SR0 AR4,5	14÷17	8
SR0 AR5,5	16÷17	
SR0 AR6,0	16÷19	10
SR0 AR6,5	17÷20	
SR1 AR07	20÷22	13
SR1 AR08	22÷24	
SR1 AR09	24÷26	19
SR2 AR10	26÷28	
SR2 AR11	28÷30	
SR2 AR12	30÷34	

CODE	WORKING RANGE	D
SR3 AR14	32÷41	22
SR3 AR17	41÷50	
SR4 AR23	48÷72	30
SR5 AR25	70÷85	35
SR5 AR28	85÷100	
SR6 AR30	90÷110	45
SR6 AR34	100÷130	
SR7 AR39	125÷160	50
SR8 AR46	150÷260	55

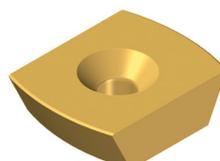
## OTHER SOLUTIONS FOR INTERNAL SCARFING



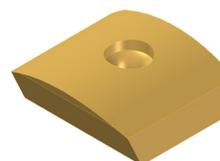
SNMW



TEMX



LOMX



LFGX

## INTERNAL SCARFING TOOLS

WE PRODUCE INSIDE DEBURRING TOOLS AND CUTTING RING HOLDERS, USING TUNGSTEN CARBIDE FOR WEAR PARTS (WHEELSAND PINS) AND PROVIDE BOTH THE ASSEMBLED AND INDIVIDUAL PARTS.

CODE	WORKING RANGE
RIME014	14÷17
RIME017	17÷21
RIME1	20÷26
RIME2	26÷34
RIME3	32÷50
RIME3,5	40÷55
RIME4	48÷72
RIME5	70÷100



# Impeder consumables



IMPEDERS DRAMATICALLY IMPROVE THE EFFICIENCY OF THE WELDING PROCESS BY DIRECTING MORE ENERGY TOWARDS THE EDGES OF THE STRIP. AN IMPEDER IS SIMPLY ONE OR MORE FERRITE CORES CONTAINED WITHIN A SUITABLE NON-METALLIC HOUSING.

DIMOTEK LTD. SUPPLIES A VARIETY OF IMPEDERS (FLOW TROUGH AND RETURN FLOW TYPE) AS WELL AS THE DIFFERENT COMPONENTS NEEDED FOR THEIR CONSTRUCTION.

## THE FERRITE CORE

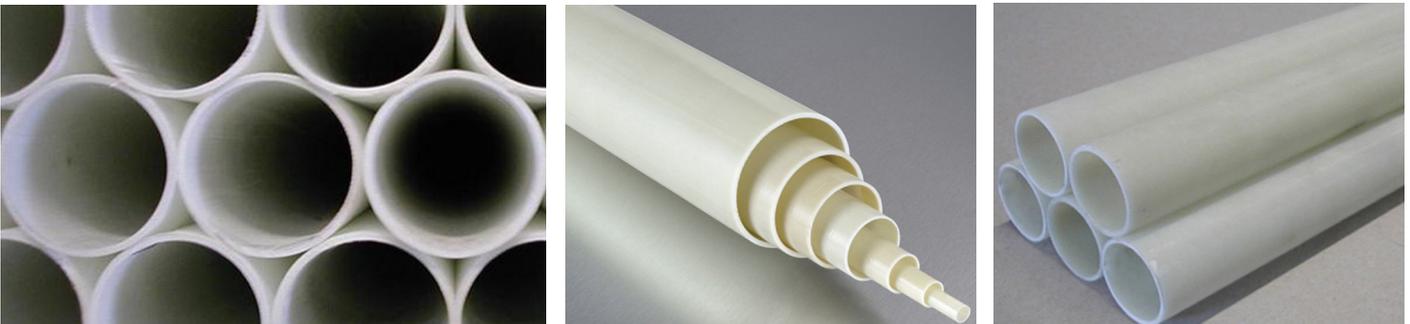


WE PROVIDE STANDARD AND PREMIUM QUALITY GRADES OF FERRITES TO SUIT DIFFERENT WELDING CONDITIONS. BOTH GRADES ARE TESTED BY THE MANUFACTURER TO CONSTANTLY CONFORM WITH THE GRADE'S STANDARDS.

OUR STANDARD GRADE FERRITE IS AN ECONOMICAL SOLUTION THAT SUITS PERFECTLY THE VAST MAJORITY OF USERS. A STANDARD RANGE OF MORE THAN 50 DIFFERENT SIZES IS KEPT IN STOCK.

OUR PREMIUM GRADE FERRITE SUITS THE HIGHEST REQUIREMENTS AND HAS BEEN SPECIALLY DEVELOPED TO EXCEED THE PERFORMANCE OF LONG-ESTABLISHED FERRITE CORES AVAILABLE IN THE MARKET TODAY. ONLY THE HIGHEST SPECIFICATION SINTERING FURNACES AND ANALYTICAL INSPECTION EQUIPMENT ARE UTILIZED TO MAINTAIN QUALITY AND MONITOR PERFORMANCE THROUGHOUT THE FERRITE MANUFACTURING PROCESS. CAREFUL TOOLING DESIGN ENSURES ACCURATE MECHANICAL DIMENSIONS TO ACHIEVE HIGH EFFICIENCY AND MINIMUM LOSSES, SAVE WELDING ENERGY, AND CONCENTRATE H.F. POWER IN THE WELD JOINT, THEREBY ENSURING A HIGH INTEGRITY WELD ZONE.

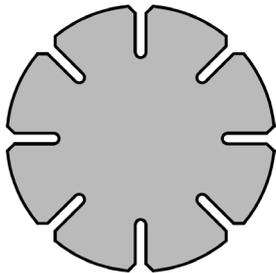
## THE CASING



WE SUPPLY FIBERGLASS (EPOXY-GLASS) AND SILICON-GLASS IMPEDER CASINGS. WHILE A MAIN RANGE OF SIZES IS AVAILABLE IN STOCK, THE CASINGS CAN BE PRODUCED WITH ANY DIAMETER AND THICKNESS NEEDED FOR YOUR IMPEDERS.

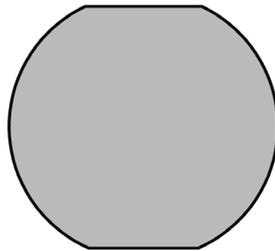
# Impeder consumables

## HR4 FERRITE CORES SIZES



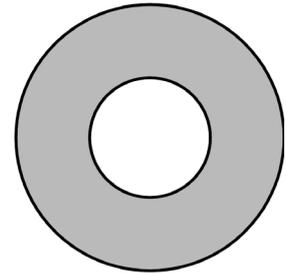
**MRS**

FLUTED SOLID FERRITE RODS	
MRS 3x200	MRS 16x200
MRS 4x200	MRS 17x200
MRS 5x200	MRS 18x200
MRS 6x200	MRS 19x200
MRS 7x200	MRS 20x200
MRS 8x200	MRS 21x200
MRS 8,5x200	MRS 22x200
MRS 9x200	MRS 23x200
MRS 9,8x200	MRS 24x200
MRS 10x200	MRS 25x200
MRS 11x200	MRS 26x200
MRS 12x200	MRS 27x200
MRS 13x200	MRS 28x200
MRS 14x200	MRS 30x200
MRS 15x200	MRS 32x200



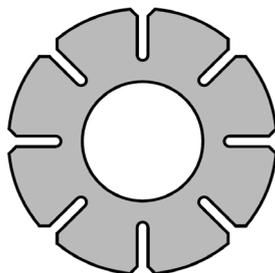
**MRF**

FLAT SIDED ROUND SOLID FERRITE RODS	
MRF 3x200	MRF 12x200
MRF 4x200	MRF 13x200
MRF 5x200	MRF 14x200
MRF 6x200	MRF 15x200
MRF 7x200	MRF 16x200
MRF 8x200	MRF 17x200
MRF 9x200	MRF 18x200
MRF 10x200	MRF 20x200
MRF 11x200	-



**MRH**

HOLLOW ROUND FERRITE RODS	
MRH 6x3x200	MRH 26x18x200
MRH 8x4x200	MRH 27x13x200
MRH 10x5x200	MRH 27x17x200
MRH 17x9x200	MRH 30x10x200
MRH 18x9x200	MRH 30x15x200
MRH 18x12x200	MRH 30x21x200
MRH 19x9x200	MRH 30x22x200
MRH 20x10x200	MRH 46x23x200
MRH 20x14x200	MRH 52x26x200
MRH 21x14x200	MRH 55x27x200
MRH 22x11x200	MRH 65x32x200
MRH 26x16x200	-



**MRSH**

FLUTED HOLLOW FERRITE RODS		
MRSH 6x2/3x200	MRSH 24x3/6/8/10/12/13x200	MRSH 45x12/20x200
MRSH 7x2x200	MRSH 25x3/6/10/11/12x200	MRSH 46x6/18/23x200
MRSH 8x2/3/4x200	MRSH 26x3/6/10/13/16x200	MRSH 48x6/20/24x200
MRSH 9x2/3/4x200	MRSH 27x3/6/8/10/11/13/13,75x200	MRSH 50x25x200
MRSH 10x2/3/4/5/6x200	MRSH 28x6/10/13/14x200	MRSH 55x20/27x200
MRSH 11x2/3/4/5x200	MRSH 29x6/10/14x200	MRSH 57x29x200
MRSH 12x2/3/4/5/6/7x200	MRSH 30x3/6/12/14/15x200	MRSH 60x30x200
MRSH 13x2/3/4/5/6/7x200	MRSH 31x3/6/10x200	MRSH 62x32x200
MRSH 14x3/4/5/6/7x200	MRSH 32x6/12/13/16x200	MRSH 65x32x200
MRSH 15x3/4/5/6/7x200	MRSH 33x6/10/14/15x200	MRSH 70x35x200
MRSH 16x3/4/5/7/8x200	MRSH 34x6/12/17/20x200	MRSH 73x36x200
MRSH 17x3/4/5/7/8x200	MRSH 35x6/15x200	MRSH 75x35x200
MRSH 18x3/5/6/8/9/10,5x200	MRSH 36x6/18x200	MRSH 80x40x200
MRSH 18,5x11x200	MRSH 37x3/15/18x200	MRSH 85x42x200
MRSH 19x3/6/8/9x200	MRSH 38x6/12/19/20x200	MRSH 90x45x200
MRSH 20x6/10/10,5x200	MRSH 39x6/20x200	MRSH 95x48x200
MRSH 21x3/6/9/10/11/13/14x200	MRSH 40x6/12/20x200	MRSH 100x50x200
MRSH 22x6/10/11/14x200	MRSH 42x6/18/20/21x200	MRSH 102x52x200
MRSH 23x3/6/11/11,5/13x200	MRSH 44x6/22x200	-

# HSS circular saw blades

HSS CIRCULAR SAW BLADES ARE MADE OF THE FOLLOWING MATERIALS:

“HSS-DMO5” (DIN 1.3343) – SUPER HIGH SPEED STEEL WITH HIGH CONTENT OF TUNGSTEN AND MOLYBDENUM.

“HSS-CO5” (DIN 1.3243) – SUPER HIGH SPEED STEEL CONTAINING 5% OF COBALT IN ADDITION TO THE HIGH CONTENT OF TUNGSTEN AND MOLYBDENUM WHICH IS RECOMMENDED IN APPLICATIONS WITH HIGH OPERATING TEMPERATURES.

WE CAN HELP YOU CHOOSE THE MOST APPROPRIATE BLADE DESIGN, TOOTH GEOMETRY AND COATING FOR YOUR PARTICULAR SAWING REQUIREMENTS.

## THE COATINGS



### STEAM TREATED

A STEAM TREATED SAW BLADE HAS A FERRIC OXIDE SURFACE COATING FOR A LONGER BLADE LIFE THAN THE BRIGHT SAW BLADE. IT IS MAINLY USED FOR CUTTING STEEL ON MANUAL AND SEMI-AUTOMATIC SAWING MACHINES.



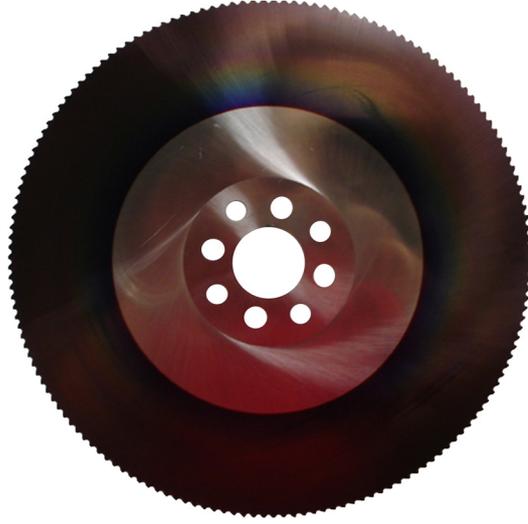
### TIN COATING

COATING WITH A TITANIUM BASE 3 MICRONS THICK. THE HARDNESS OF THE COATED LAYER REACHES 2480 VICKERS. IT IS A COATING SUITABLE FOR CUTTING LOW ALLOY STEEL AND SHOULD ALWAYS BE USED WITH PLENTY OF LUBRICATION. IT IS NOT SUITABLE FOR CUTTING COPPER, BRASS OR BRONZE.



### TICN COATING

COATING 2,5 MICRONS THICK. IT IS MADE BY MEANS OF A PLASMA OF TITANIUM AND CARBON THAT INCREASES THE HARDNESS TO 3000 VICKERS. THE FRICTION COEFFICIENT (0,22) IS VERY LOW DUE TO THE HIGH CARBON CONTENT. THIS MAKES IT VERY SUITABLE FOR CUTTING HIGHLY ABRASIVE MATERIALS SUCH AS STAINLESS STEEL AND MEDIUM ALLOYED STEELS WITH A HARDNESS OF UP TO 800 N/mm<sup>2</sup>. THE LOW FRICTION COEFFICIENT CONSIDERABLY REDUCES CHIPPING AT THE CUTTING EDGE AND THE DISC SIDEWALL.



### TIALN COATING

MULTILAYER COATING 3 MICRONS THICK. THE PLASMA IS OBTAINED FROM THE FUSION OF A TITANIUM/ALUMINIUM CATHODE. AN EXCELLENT COATING THAT GUARANTEE HIGH THERMAL RESISTANCE. IT HAS AN OXIDATION TEMPERATURE OF 800°C RESULTING IN A SURFACE HARDNESS OF 3400 VICKERS. THE FRICTION COEFFICIENT IS 0,45 AND ALLOWS CIRCULAR SAWS TO BE USED WITH EXCELLENT RESULTS EVEN IN CONDITIONS OF LIMITED OR MINIMAL LUBRICATION AND MISTING. IT IS PARTICULARLY SUITED TO HIGH ALLOY STEELS OF UP TO 1100 N/mm<sup>2</sup>, CUTTING CAST IRON, STAINLESS STEEL AND ALL MATERIALS THAT DEVELOP CONSIDERABLE HEAT.

# HSS circular saw blades

## COMMONLY USED DIMENSIONS

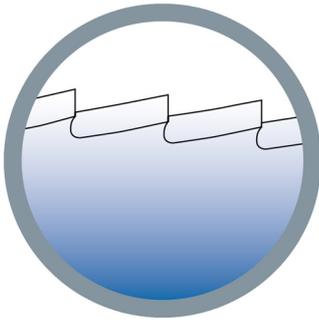
sizes [mm]	central bore [mm]	hub [mm]	pitch (T) and tooth form - corresponding tooth number													
			T3 Bw	T4 Bw	T4,5 Bw	T5 Bw	T5,5 Bw	T6 C	T7 C	T8 C	T9 C	T10 C	T12 C	T14 C	T16 C	T18 C
175x1,2	32	75	180	140		110		90		70						
175x1,5	32	75	180	140		110		90		70						
175x2,0	32	75	180	140		110		90		70						
200x1,0	32	100	200	160		130		100		80		64				
200x1,2	32	100	200	160		130		100		80		64				
200x1,5/1,6	32	90	200	160		130		100		80		64				
200x1,8	32	90	200	160		130		100		80		64				
200x2,0	25,4/32	90	200	160		130		100		80		64				
200x2,5	32	90	200	160		130		100		80		64				
210x2,0	32	90	210	160		130		110		80						
225x1,2	32	100	220	180		140		120		90	80					
225x1,5/1,6	32	90	220	180		140		120		90	80					
225x1,8	32/40	90	220	180		140		120		90	80					
225x1,9/2,0	32/40	90	220	180		140		120		90	80					
225x2,5	32	90	220	180		140		120		90	80					
250x1,0	32	100	250	200		160		128	110	100		80	64			
250x1,2	32	100	250	200		160		128	110	100		80	64			
250x1,5/1,6	32	100	250	200		160		128	110	100		80	64			
250x2,0	25,4/32/40	100	250	200	180	160	140	128	110	100		80	64			
250x2,5	25,4/32/40	100	250	200		160		128	110	100		80	64			
250x3,0	32	100	250	200		160		128	110	100		80	64			
275x1,6	32	100	280	220		180		140	120	110		90				
275x2,0	32/40	100	280	220	200	180	160	140	120	110		90				
275x2,5	25,4/32/40	100	280	220	200	180	160	140	120	110		90				
275x3,0	32/40	100	280	220		180		140	120	110		90				
300x1,6	32/40	100	300	220		180		160	140	120		94	80			
300x2,0	32/40	100	300	220		180		160	140	120		94	80			
300x2,5	32/38/40	100	300	220		180		160	140	120		94	80			
300x3,0	32/40	100	300	220		180		160	140	120		94	80			
315x1,6	32/40	100	300	240		200		160	140	120		100	80	70		
315x2,0	32/40	100	300	240		200		160	140	120		100	80	70		
315x2,5	32/40	100	300	240		200		160	140	120		100	80	70		
315x3,0	32/40	100	300	240		200		160	140	120		100	80	70		
315x3,5	32/40	100	300	240		200		160	140	120		100	80	70		
325x2,0	32/40	120	320	250		200		170		128		100	80			
325x2,5	32/40	120	320	250		200		170		128		100	80			
325x3,0	40	120	320	250		200		170		128		100	80			
350x1,8	32/40/50	120	350	280		220		180	160	140	120	110	90	80		
350x2,0	32/40/50	120	350	280		220		180	160	140	120	110	90	80		
350x2,5	32/40/50	120	350	280		220		180	160	140	120	110	90	80		
350x3,0	32/40/50	120	350	280		220		180	160	140	120	110	90	80		
350x3,5	32/40/50	120	350	280		220		180	160	140	120	110	90	80		
370x2,5	40/50	120		280		220		190	160	140	120	110	90	80	70	
370x3,0	32/40/50	120		280		220		190	160	140	120	110	90	80	70	
370x3,5	40	120		280		220		190	160	140	120	110	90	80	70	
400x2,5	40/50	120		310		250		200		160		120	110	90		70
400x3,0	40/50	120		310		250		200		160		120	110	90		70
400x3,5	40/50	120		310		250		200		160		120	110	90		70
400x4,0	50	120		310		250		200		160		120	110	90		70
425x2,5	40/50	120		320		260		220		160		130	110		80	70
425x3,0	40/50	120		320		260		220		160		130	110		80	70
425x3,5	50	120		320		260		220		160		130	110		80	70
425x4,0	50	120		320		260		220		160		130	110		80	70
450x2,5	40/50	140		350		280		230		180		140	120		90	80
450x3,0	40/50	130		350		280		230		180		140	120		90	80
450x3,5	40/50	130		350		280		230		180		140	120		90	80
450x4,0	40/50	130		350		280		230		180		140	120		90	80
500x3,0	40/50	130				310		260		200		160	130	110	100	90
500x3,5	40/50	130				310		260		200		160	130	110	100	90
500x4,0	40/50	130				310		260		200		160	130	110	100	90
500x5,0	40/50	130				310		260		200		160	130	110	100	90
525x3,5	50	140		410		330		270		210		164	140	110	104	90
525x4,0	50	140		410		330		270		210		164	140	110	104	90
550x4,0	50	140		440		340		280		220		170	140	120	110	90
550x5,0	50	140		440		340		280		220		170	140	120	110	90
570x4,0	50	150		450		360		300		220		180	150	120	110	100
570x5,0	50	150		450		360		300		220		180	150	120	110	100
600x4,0	50	150		460		380		320		240		190	160	130	120	100
600x5,0	50	150		460		380		320		240		190	160	130	120	100

# HSS circular saw blades

## STANDARD PINHOLES

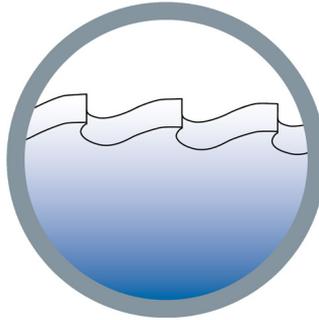
CENTRAL BORE	PINHOLES
∅ 32	2-8-45 + 2-9-50 + 2-11-63
∅ 32	SLOTS
∅ 40	2-8-55 + 4-12-64
∅ 50	4-15-80 + 4-14-85

## TOOTH FORM



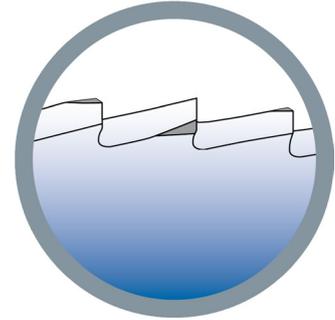
### A SHAPE

NORMALLY USED ON FINE TOOTHING (<T3) FOR APPLICATIONS SUCH AS BRASS ALLOY CUTTING, JEWELLERY AND SCREW SLOTTING.



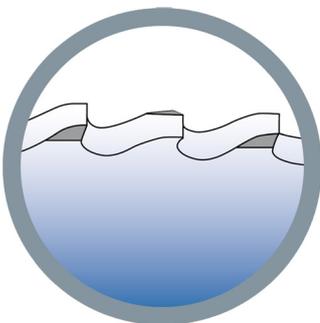
### B SHAPE

NORMALLY USED FOR THIN-WALLED PIPES AND THE CUTTING OF STRUCTURAL SHAPES, ESPECIALLY WHERE CHIP REMOVAL IS NOT AN ISSUE.



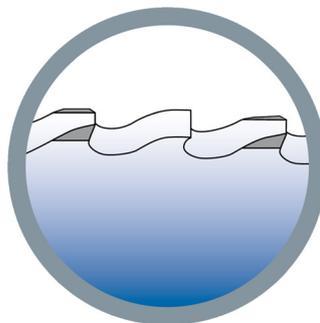
### AW SHAPE

UNLIKE TYPE A, IS ALTERNATELY BEVELLED, THUS OPTIMIZING CHIP SHREDDING. IT IS PARTICULARLY SUITABLE FOR PRECISION CUTTING.



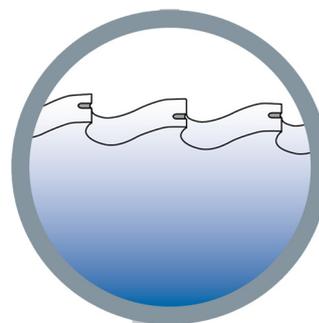
### BW SHAPE

MOSTLY USED FOR CUTTING PIPES AND SECTIONS. THE TOOTH IS ALTERNATELY BEVELLED AT 45°, BREAKS THE CHIP IN TWO AND GUARANTEES GOOD CHIP EVACUATION.



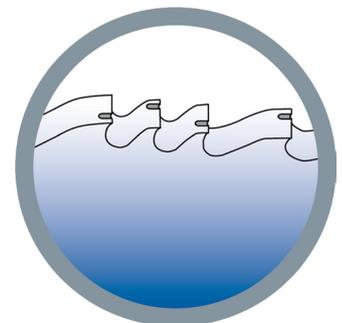
### C SHAPE

USED FOR SOLID SECTIONS OR VERY THICK PIPES. THE CHIP IS SHREDDED INTO THREE PARTS DUE TO THE PRESENCE OF BOTH A FINISHING TOOTH WITHOUT CHAMFER AND A PRE-CUTTING TOOTH (LONGER THAN 0.25 MM) WITH TWO CHAMFERS ON EACH SIDE.



### BR SHAPE

HAS BEEN SUCCESSFULLY INTRODUCED FOR CUTTING PIPES. IT HAS DOUBLE THE NUMBER OF CUTTING EDGES AND GUARANTEES A HIGHER NUMBER OF CUTS AND A BETTER FINISH TO THE SECTION. IT ALSO IMPROVES TOOL DURABILITY BY ABOUT 20% BECAUSE IT REDUCES THE REMOVED SECTION PER EACH SINGLE SHARPENING.



### VP SHAPE

VARIABLE PITCH, IS USED TO CUT VERY IRREGULAR SECTIONS WHICH CAUSE SEVERE VIBRATION AND NOISE. IT GUARANTEES SOFTER CONTACT AND OFFERS A GOOD COMPROMISE BETWEEN CUT DURATION AND REDUCED VIBRATION.

# TCT saw blades



WE SUPPLY TUNGSTEN CARBIDE AND CERMET TIPPED BLADES MADE BY ESTABLISHED PRODUCERS CERTIFIED ACCORDING TO UNI EN ISO 9001:2008 AND EQUIPPED WITH STATE OF THE ART MACHINERY FOR EACH STEP OF THE PRODUCTION PROCESS.

•QUALITY CONTROL OF THE RAW MATERIAL, LASER CUTTING, HEAT TREATMENTS, CNC TENSIONING AND FLATTENING, PRECISION GRINDING, TIPS BRAZING, CNC SHARPENING, 3-D QUALITY CONTROL AND PVD COATING, AND EXPERIENCED SPECIALISTS FOR THE HAMMERING.

THERE ARE SEVERAL DIFFERENT GRADES AND GEOMETRIES OF TIPS, DIFFERENT CVD AND PVD COATINGS TO SUIT THE BEST FOR EACH PARTICULAR REQUEST. SOME OF THE MOST COMMON APPLICATIONS OF THE TCT SAW BLADES ARE:

- CUTTING OF METAL TUBES AND LOW THICKNESS PROFILES
- ORBITAL CUTTING OF METAL TUBES
- CUTTING OF HIGH WALL THICKNESS METAL PROFILES
- CUTTING OF SOLID STEEL

THE TCT SAW BLADES DIAMETERS COULD VARY FROM 100 mm UP TO 2200 mm, WITH A DIVERSITY OF CUTTING THICKNESSES, BLADE BODY THICKNESSES, CENTRAL AND HANDLING HOLES CONFIGURATIONS, AND NUMBER OF TEETH.

# Friction saw blades

WE SUPPLY FRICTION SAW BLADES MADE IN CHROMIUM-WANADIUM 1.2235 OR WOLFRAM-MOLYBDENUM 1.2604, DEPENDING ON THE TEMPERATURE AND THE TYPE OF THE MATERIAL TO BE CUT. DEPENDING ON THE CLIENT'S REQUEST THE BLADES COULD BE FULLY OR PARTIALLY HARDENED , AND THE FLANKS COULD BE GRINDED OR NOT.

WE CAN HELP YOU CHOOSE THE RIGHT BALANCE BETWEEN THE SAW HARDNESS AND THE COMBINATION OF HARDNESS AND TEMPERATURE OF THE MATERIAL TO BE CUT, THE RIGHT TOOTH FORM FOR YOUR MATERIAL TYPE AND CUTTING CONDITIONS.

# After-sale service and maintenance

DIMOTEK LTD. IS ABLE TO PROVIDE TECHNICAL SUPPORT, FROM THE CHOICE OF THE RIGHT TOOL AND PRODUCT FOR YOUR APPLICATION, THE OPTIMIZATION OF THE MACHINE PARAMETERS AND WORKING CONDITIONS FOR SOLVING THE PROBLEMS OF TOOL LIFE, QUALITY OF PRODUCTION OR PRODUCTIVITY, TO THE MAINTENANCE OF THE SUPPLIED PRODUCTS AND THEIR REPAIR (RE-SHARPENING OF HSS SAW BLADES, RECONSTRUCTION OF THE TIPS OF THE TCT SAW BLADES ETC.)

WE ARE WORKING CLOSE TO THE CLIENT AND SIDE BY SIDE WITH THE MANUFACTURER IN ORDER TO PROVIDE BOTH THE BEST OF THE CUSTOMER SERVICE AND THE QUALIFIED TECHNICAL SUPPORT.

# ABOUT US

DIMOTEK LTD. IS A BULGARIAN COMPANY PART OF THE ITALIAN HOLDING OMCD GROUP. TUNGSTEN CARBIDE, TUNGSTEN COPPER AND PRECIOUS METALS HAVE BEEN WORKED BY OMCD GROUP COMPANIES SINCE 1948.



“DIAMIL” IS THE TRADE MARK OF OUR CARBIDE INSERTS FOR THE HEAVY MACHINING AND TUBE SCARFING. IN ADDITION TO OUR PRODUCTION ACTIVITIES WE CREATED A SALES TEAM SPECIALIZED IN THE SUPPLY OF CONSUMABLES AND SERVICES FOR THE HIGH FREQUENCY ELECTROWELDED TUBES AND PIPES INDUSTRY. WE KEEP A LARGE STOCK OF PRODUCTS AT SOFIA (BULGARIA) INCLUDING SCARFING EQUIPMENT, CONSUMABLES FOR THE IMPEDERS, AND SAW BLADES.

## FIND US ONLINE:

Dimotek Ltd. website: [www.dimotek.com](http://www.dimotek.com)

OMCD Group website: [www.omcd.it](http://www.omcd.it)

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