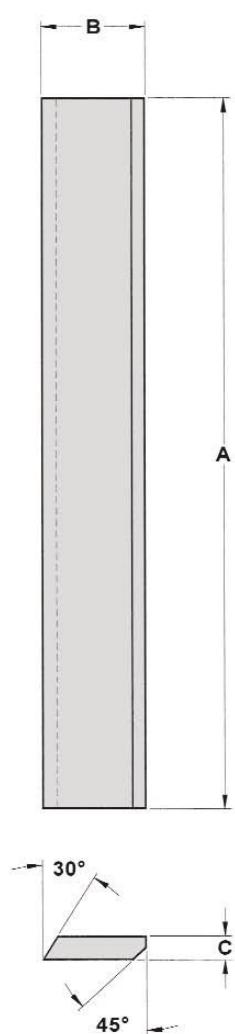




TUNGSTEN CARBIDE BARS



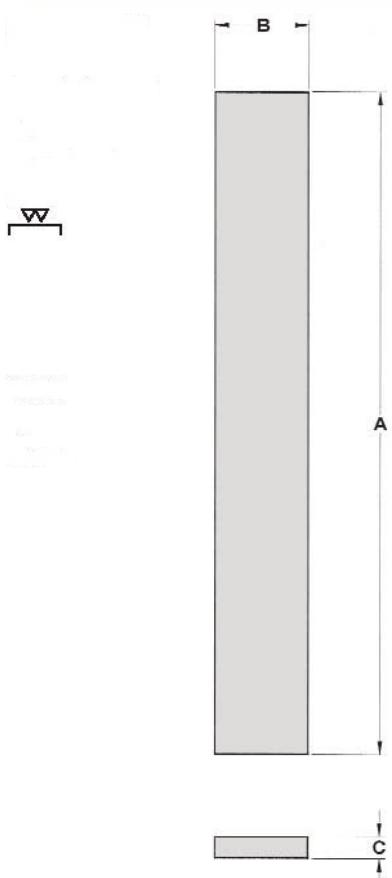
ATB



CODE	DIMENSIONS (mm)		
	A	B	C
ATB 1	165	4	2
ATB 2	165	5	2
ATB 3	165	6	2
ATB 4	165	6	2,5
ATB 5	165	6	3
ATB 6	165	7	2
ATB 7	165	7	2,5
ATB 8	165	7	3
ATB 9	165	8	2
ATB 10	165	8	2,5
ATB 11	165	8	3
ATB 12	165	8	4
ATB 13	165	10	2
ATB 14	165	10	2,5
ATB 15	165	10	3
ATB 16	165	10	4
ATB 17	165	12	3
ATB 18	165	12	4
ATB 19	165	12	5
ATB 20	165	13	3
ATB 21	165	13	4
ATB 22	165	13	5
ATB 23	165	14	3
ATB 24	165	14	4
ATB 25	165	14	5
ATB 26	165	16	3
ATB 27	165	16	4
ATB 28	165	16	5
ATB 29	165	18	3
ATB 30	165	18	4
ATB 31	165	18	5
ATB 32	165	20	3
ATB 33	165	20	4
ATB 34	165	20	5
ATB 35	165	22	4
ATB 36	165	22	5
ATB 37	165	24	4

CODE	DIMENSIONS (mm)		
	A	B	C
ATB 38	165	24	5
ATB 39	165	26	4
ATB 40	165	26	5
ATB 41	165	28	4
ATB 42	165	28	5
ATB 43	165	30	4
ATB 44	165	30	5
ATB 45	165	32	4
ATB 46	165	32	5
ATB 47	165	35	5

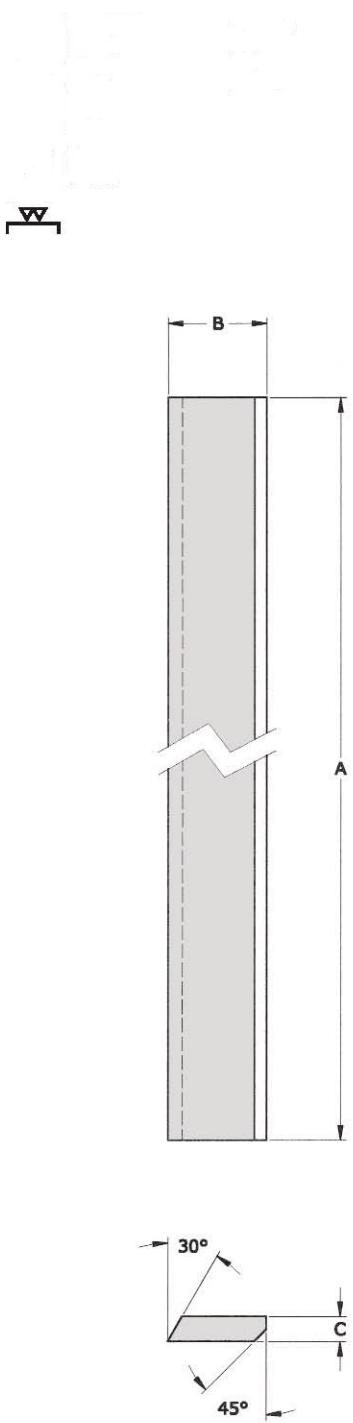
BA



CODE	DIMENSIONS (mm)		
	A	B	C
BA 1	165	4	2
BA 2	165	5	2
BA 3	165	6	2
BA 4	165	6	2,5
BA 5	165	6	3
BA 6	165	7	2
BA 7	165	7	2,5
BA 8	165	7	3
BA 9	165	8	2
BA 10	165	8	2,5
BA 11	165	8	3
BA 12	165	8	4
BA 13	165	10	2
BA 14	165	10	2,5
BA 15	165	10	3
BA 16	165	10	4
BA 17	165	12	3
BA 18	165	12	4
BA 19	165	12	5
BA 20	165	13	3
BA 21	165	13	4

CODE	DIMENSIONS (mm)		
	A	B	C
BA 22	165	13	5
BA 23	165	14	3
BA 24	165	14	4
BA 25	165	14	5
BA 26	165	16	3
BA 27	165	16	4
BA 28	165	16	5
BA 29	165	18	3
BA 30	165	18	4
BA 31	165	18	5
BA 32	165	20	3
BA 33	165	20	4
BA 34	165	20	5
BA 35	165	22	4
BA 36	165	22	5
BA 37	165	24	4
BA 38	165	24	5
BA 39	165	26	4
BA 40	165	26	5
BA 41	165	28	4
BA 42	165	28	5
BA 43	165	30	4
BA 44	165	30	5
BA 45	165	32	4
BA 46	165	32	5
BA 47	165	35	5

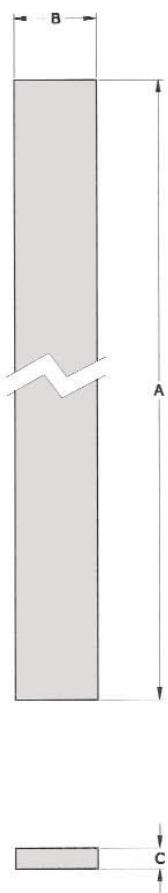


BB

CODE	DIMENSIONS (mm)		
	A	B	C
BB 1	300	10	3
BB 2	300	12	3
BB 3	300	14	3
BB 4	300	16	3
BB 5	300	18	3
BB 6	300	20	3
BB 7	300	25	3
BB 8	300	28	3
BB 9	300	30	3
BB 10	300	35	3
BB 11	300	40	3
BB 12	300	8	4
BB 13	300	10	4
BB 14	300	12	4
BB 15	300	14	4
BB 16	300	16	4
BB 17	300	18	4
BB 18	300	20	4
BB 19	300	25	4
BB 20	300	28	4
BB 21	300	30	4
BB 22	300	35	4
BB 23	300	40	4
BB 24	300	12	5
BB 25	300	14	5
BB 26	300	16	5
BB 27	300	18	5
BB 28	300	20	5
BB 29	300	25	5
BB 30	300	30	5
BB 31	300	35	5
BB 32	300	40	5
BB 33	300	45	5
BB 34	300	50	5
BB 35	300	12	6
BB 36	300	14	6
BB 37	300	16	6

CODE	DIMENSIONS (mm)		
	A	B	C
BB 38	300	18	6
BB 39	300	20	6
BB 40	300	25	6
BB 41	300	30	6
BB 42	300	35	6
BB 43	300	40	6
BB 44	300	45	6
BB 45	300	50	6

BC

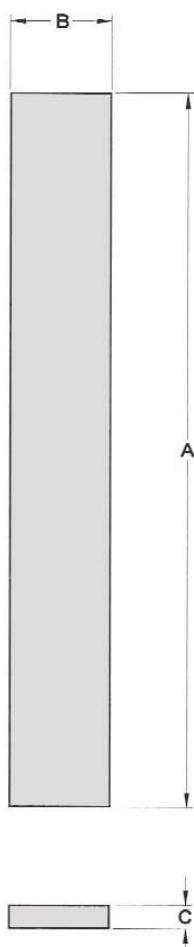


CODE	DIMENSIONS (mm)		
	A	B	C
BC 1	300	10	3
BC 2	300	12	3
BC 3	300	14	3
BC 4	300	16	3
BC 5	300	18	3
BC 6	300	20	3
BC 7	300	25	3
BC 8	300	28	3
BC 9	300	30	3
BC 10	300	35	3
BC 11	300	40	3
BC 12	300	8	4
BC 13	300	10	4
BC 14	300	12	4
BC 15	300	14	4
BC 16	300	16	4
BC 17	300	18	4
BC 18	300	20	4
BC 19	300	25	4
BC 20	300	28	4
BC 21	300	30	4
BC 22	300	35	4
BC 23	300	40	4

CODE	DIMENSIONS (mm)		
	A	B	C
BC 24	300	8	5
BC 25	300	10	5
BC 26	300	12	5
BC 27	300	14	5
BC 28	300	16	5
BC 29	300	18	5
BC 30	300	20	5
BC 31	300	25	5
BC 32	300	30	5
BC 33	300	35	5
BC 34	300	40	5
BC 35	300	45	5
BC 36	300	50	5
BC 37	300	12	6
BC 38	300	14	6
BC 39	300	16	6
BC 40	300	18	6
BC 41	300	20	6
BC 42	300	25	6
BC 43	300	30	6
BC 44	300	35	6
BC 45	300	40	6
BC 50	300	45	6
BC 51	300	50	6
BC 52	300	12	8
BC 53	300	14	8
BC 54	300	16	8
BC 55	300	18	8
BC 56	300	20	8
BC 57	300	25	8
BC 58	300	30	8
BC 59	300	35	8
BC 60	300	40	8
BC 61	300	45	8
BC 62	300	50	8

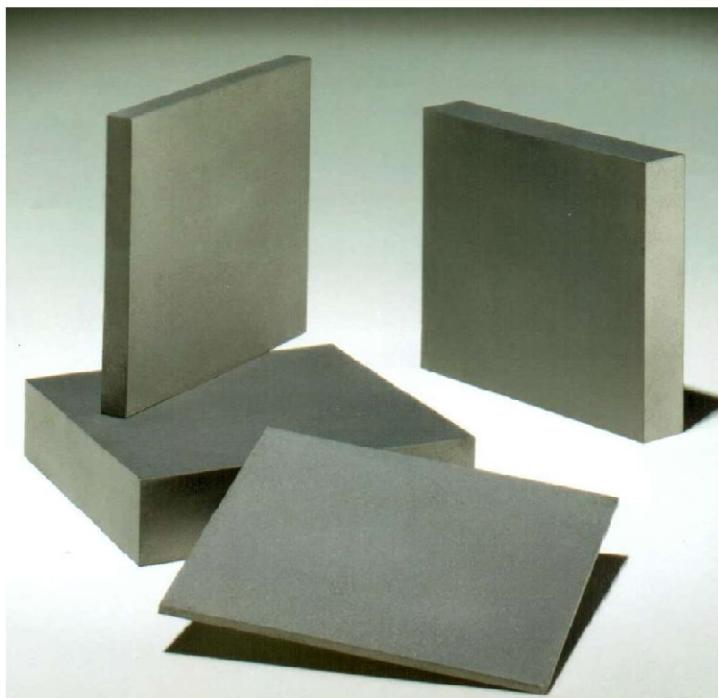
BT

W

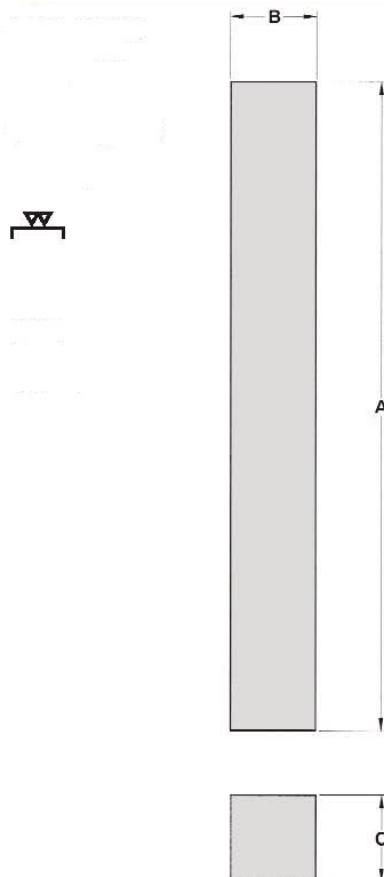


CODE	DIMENSIONS (mm)		
	A	B	C
BT 16	100	5	2
BT 18	100	7	2
BT 20	100	9	2
BT 22	100	11	2
BT 24	100	13	2
BT 26	100	15	2
BT 28	100	18	2
BT 30	100	25	2
BT 31	100	3	2,5
BT 33	100	4	2,5
BT 35	100	6	2,5
BT 37	100	8	2,5
BT 39	100	10	2,5
BT 40	100	12	2,5
BT 41	100	14	2,5
BT 42	100	15	2,5
BT 43	100	18	2,5
BT 44	100	20	2,5
BT 45	100	4	3
BT 47	100	6	3
BT 49	100	8	3
BT 51	100	10	3
BT 53	100	12	3
BT 55	100	14	3
BT 57	100	16	3
BT 59	100	20	3
BT 60	100	25	3
BT 61	100	30	3
BT 62	100	4	3,5
BT 64	100	6	3,5
BT 66	100	8	3,5
BT 68	100	10	3,5
BT 70	100	13	3,5
BT 71	100	15	3,5
BT 72	100	5	4
BT 74	100	7	4
BT 76	100	9	4

CODE	DIMENSIONS (mm)		
	A	B	C
BT 77	100	10	4
BT 79	100	12	4
BT 81	100	14	4
BT 83	100	16	4
BT 84	100	20	4
BT 86	100	10	5
BT 88	100	12	5
BT 90	100	15	5
BT 92	100	20	5
BT 94	100	8	6
BT 95	100	10	6
BT 96	100	12	6
BT 97	100	15	6
BT 99	100	20	6
BT 100	100	25	6
BT 101	100	10	7
BT 102	100	15	7
BT 103	100	20	7
BT 104	100	10	8
BT 105	100	12	8
BT 106	100	14	8
BT 107	100	16	8
BT 108	100	20	8



BUC

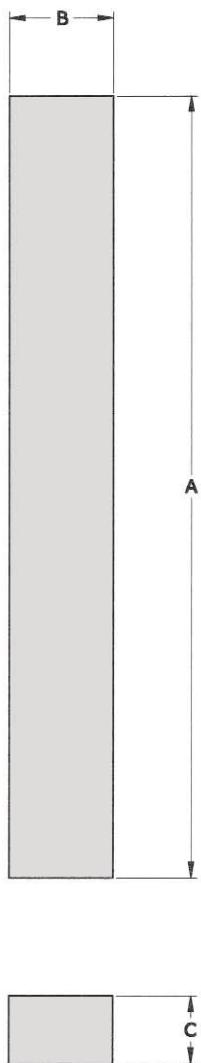


CODE	DIMENSIONS (mm)		
	A	B	C
BUC 1	100	2	2
BUC 2	100	3	3
BUC 3	100	4	4
BUC 4	100	5	5
BUC 5	100	6	6
BUC 6	100	7	7
BUC 7	100	8	8
BUC 8	100	9	9
BUC 9	100	10	10
BUC 10	100	11	11
BUC 11	100	12	12
BUC 12	100	13	13
BUC 13	100	14	14
BUC 14	100	15	15
BUC 15	100	16	16
BUC 16	100	18	18
BUC 17	100	20	20
BUC 18	100	25	25
BUC 19	100	30	30
BUC 20	100	35	35
BUC 21	100	40	40
BUC 22	100	50	50

STB

STB - STB

W



CODE	DIMENSIONS (mm)		
	A	B	C
STB 13	25,4	2,4	1,2
STB 13A	20,6	2,4	1,2
STB 14	28,6	3,2	2,0
STB 24A	25,4	3,2	1,6
STB 24B	76,2	3,2	1,6
STB 24C	31,8	3,2	1,6
STB 24E	19,1	3,2	1,6
STB 26A	25,4	4,8	1,6
STB 26C	76,2	4,8	1,6
STB 28A	25,4	6,4	1,6
STB 28B	31,8	6,4	1,6
STB 28D	76,2	6,4	1,6
STB 34	127,0	3,2	2,4
STB 34A	25,4	3,2	2,4
STB 36	28,6	4,8	2,4
STB 36A	31,8	4,8	2,4
STB 36B	25,4	4,8	2,4
STB 38A	25,4	6,4	2,4
STB 38B	38,1	6,4	2,4
STB 38D	127,0	6,4	2,4
STB 46	152,4	4,8	3,2
STB 48A	25,4	6,4	3,2
STB 48B	31,8	6,4	3,2
STB 48C	57,2	6,4	3,2
STB 48D	76,2	6,4	3,2
STB 48E	152,4	6,4	3,2
STB 68	152,4	6,4	4,8
STB 68A	76,2	6,4	4,8
STB 206	152,4	4,8	1,6
STB 208	152,4	6,4	1,6
STB 210	152,4	7,9	1,6
STB 212	152,4	9,5	1,6
STB 216	152,4	12,7	1,6
STB 220	152,4	15,9	1,6
STB 224	152,4	19,1	1,6
STB 228	152,4	22,2	1,6
STB 310	152,4	7,9	2,4



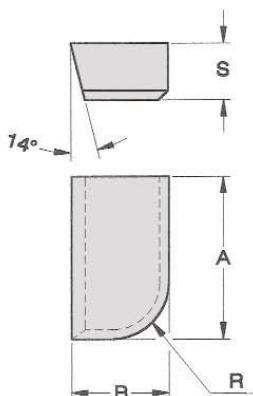
CODE	DIMENSIONS (mm)		
	A	B	C
STB 310A	50,8	7,9	2,4
STB 310B	76,2	7,9	2,4
STB 310C	127,0	7,9	2,4
STB 312	127,0	9,5	2,4
STB 312W	152,4	9,5	2,4
STB 316	152,4	12,7	2,4
STB 320	152,4	15,9	2,4
STB 324	152,4	19,1	2,4
STB 328	152,4	22,2	2,4
STB 332	152,4	25,4	2,4
STB 336	152,4	28,7	2,4
STB 340	152,4	31,8	2,4
STB 348	152,4	38,1	2,4
STB 406	152,4	4,8	3,2
STB 408	152,4	6,4	3,2
STB 410	152,4	7,9	3,2
STB 410A	38,1	7,9	3,2
STB 410B	76,2	7,9	3,2
STB 410C	63,5	7,9	3,2
STB 412	152,4	9,5	3,2
STB 412A	50,8	9,5	3,2
STB 412B	76,2	9,5	3,2
STB 412C	152,4	9,5	3,2
STB 412D	25,4	9,5	3,2
STB 416	152,4	12,7	3,2
STB 416A	25,4	12,7	3,2
STB 416B	38,1	12,7	3,2
STB 416C	76,2	12,7	3,2
STB 416D	63,5	12,7	3,2
STB 420	152,4	15,9	3,2
STB 424	152,4	19,1	3,2
STB 428	152,4	22,2	3,2
STB 432	152,4	25,4	3,2
STB 436	152,4	28,7	3,2
STB 440	152,4	31,8	3,2
STB 448	152,4	38,1	3,2
STB 510	152,4	7,9	4,0
STB 512	152,4	9,5	4,0
STB 516	152,4	12,7	4,0

CODE	DIMENSIONS (mm)		
	A	B	C
STB 520	152,4	15,9	4,0
STB 524	152,4	19,1	4,0
STB 528	152,4	22,2	4,0
STB 532	152,4	25,4	4,0
STB 536	152,4	28,7	4,0
STB 540	152,4	31,8	4,0
STB 610	152,4	7,9	4,8
STB 610A	76,2	7,9	4,8
STB 612	152,4	9,5	4,8
STB 612A	76,2	9,5	4,8
STB 616	152,4	12,7	4,8
STB 616A	76,2	12,7	4,8
STB 616B	63,5	12,7	4,8
STB 616C	31,8	12,7	4,8
STB 620	152,4	15,9	4,8
STB 620A	76,2	15,9	4,8
STB 624	152,4	19,1	4,8
STB 628	152,4	22,2	4,8
STB 632	152,4	25,4	4,8
STB 636	152,4	28,7	4,8
STB 640	152,4	31,8	4,8
STB 648	152,4	38,1	4,8
STB 812	152,4	9,5	6,4
STB 812A	76,2	9,5	6,4
STB 816	152,4	12,7	6,4
STB 816A	76,2	12,7	6,4
STB 820	152,4	15,9	6,4
STB 820A	76,2	15,9	6,4
STB 824	152,4	19,1	6,4
STB 824A	76,2	19,1	6,4
STB 828	152,4	22,2	6,4
STB 832	152,4	25,4	6,4
STB 836	152,4	28,7	6,4
STB 840	152,4	31,8	6,4
STB 848	152,4	38,1	6,4

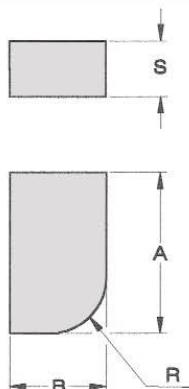


TUNGSTEN CARBIDE BRAZING TIPS



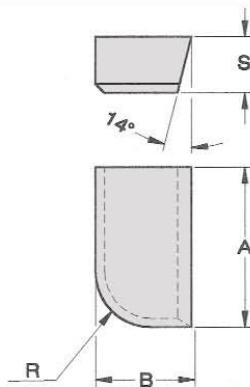
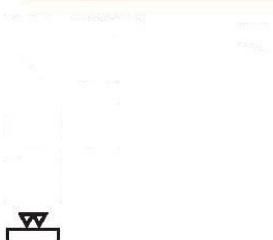
A**W**

CODE	DIMENSIONS (mm)			
	A	B	S	R
A 10	10	6	4	4
A 12	12	8	5	5
A 16	16	10	6	6
A 20	20	12	7	7
A 25	25	14	8	8
A 32	32	18	10	10
A 40	40	22	12	12
A 50	50	25	14	14

ABTechnical
dimensions

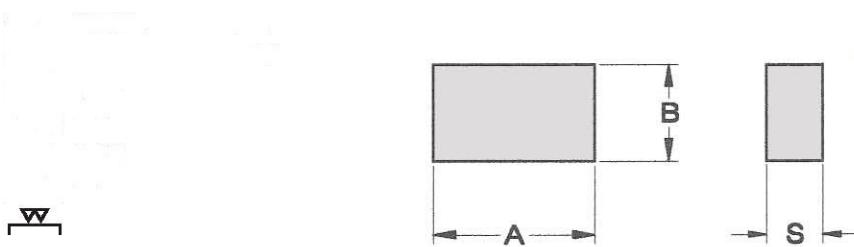
CODE	DIMENSIONS (mm)			
	A	B	S	R
AB 5	5	3	2	2
AB 6	6	4	2,5	2,5
AB 8	8	5	3	3



B

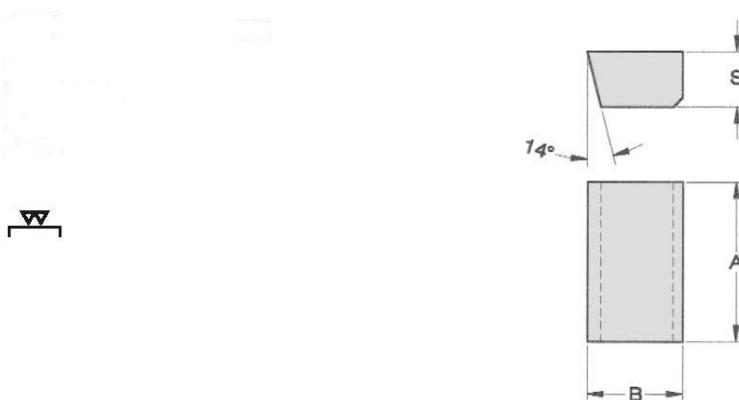
CODE	DIMENSIONS (mm)			
	A	B	S	R
B 10	10	6	4	4
B 12	12	8	5	5
B 16	16	10	6	6
B 20	20	12	7	7
B 25	25	14	8	8
B 32	32	18	10	10
B 40	40	22	12	12
B 50	50	25	14	14

C



CODE	DIMENSIONS (mm)		
	A	B	S
C 5	5	3	2
C 6	6	4	2,5
C 8	8	5	3

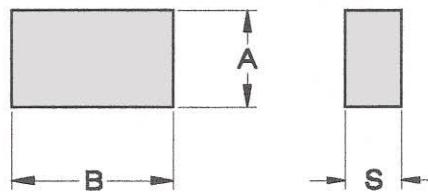
C



CODE	DIMENSIONS (mm)		
	A	B	S
C 10	10	6	4
C 12	12	8	5
C 16	16	10	6
C 20	20	12	7
C 25	25	14	8
C 32	32	18	10
C 40	40	22	12
C 50	50	25	14

D

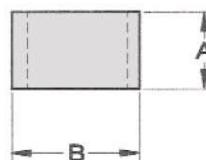
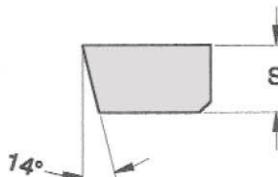
W



CODE	DIMENSIONS (mm)		
	A	B	S
D 3	3,5	8	3

D

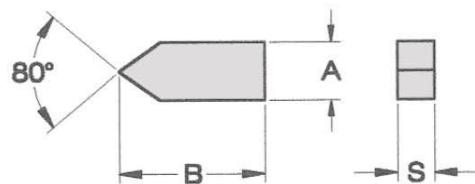
W



CODE	DIMENSIONS (mm)		
	A	B	S
D 4	4,5	10	4
D 5	5,5	12	5
D 6	6,5	14	6
D 8	8,5	16	8
D 10	10,5	18	10
D 12	12,5	20	12

E

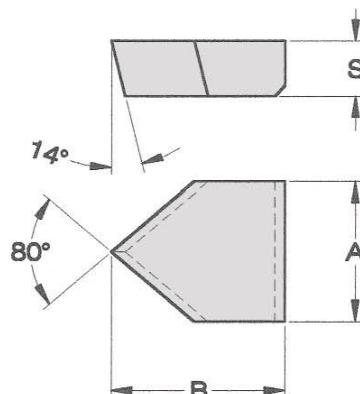
W



CODE	DIMENSIONS (mm)		
	A	B	S
E 4	4	10	2,5
E 5	5	12	3,0

E

W

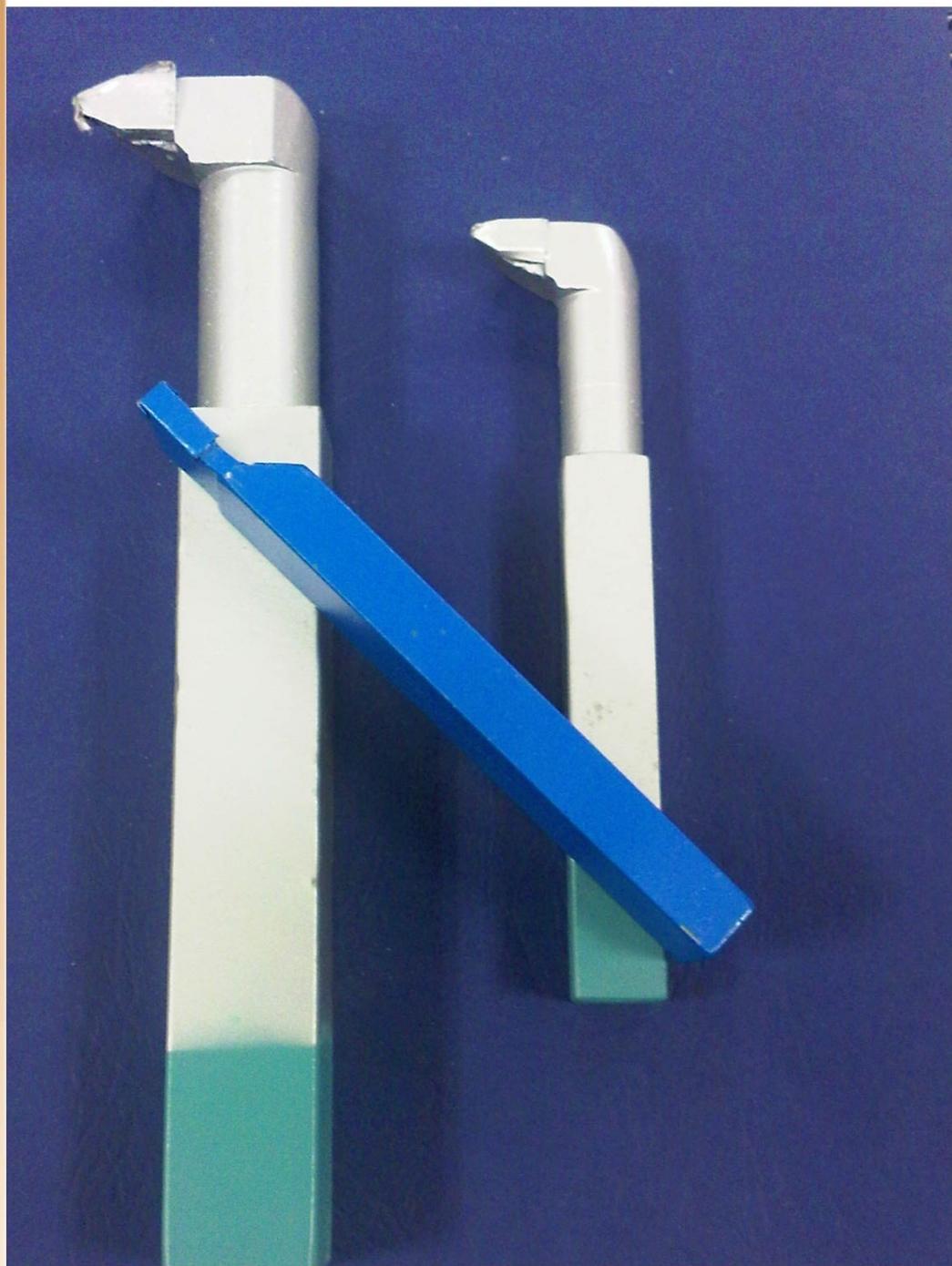


CODE	DIMENSIONS (mm)		
	A	B	S
E 6	6	14	3,5
E 8	8	16	4
E 10	10	18	5
E 12	12	20	6
E 16	16	22	7
E 20	20	25	8
E 25	25	28	9
E 32	32	32	10



SHIMS, CARBIDE-CERMET-PCD AND CBN INSERTS AVAILABLE

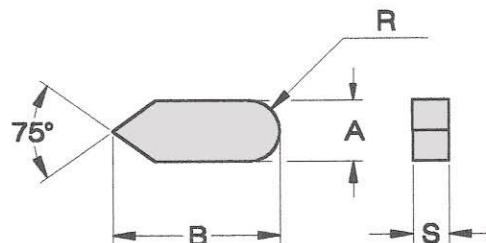




**BRAZED TOOLS AND TOOL-HOLDERS CAN BE
SUPPLIED UPON REQUEST**

F

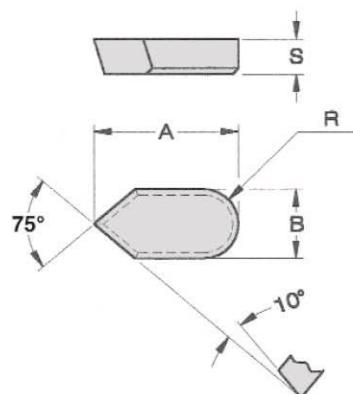
WIND TURBINE
TOWER
SECTION

**DIMENSIONS (mm)**

CODE	A	B	S	R
F 4	4	12	2	2
F 5	5	14	2,5	2,5
F 6	6	16	3	3

F

WIND TURBINE
TOWER
SECTION

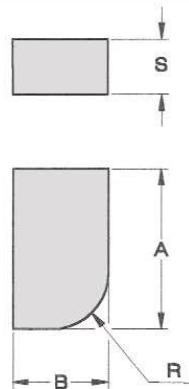
**DIMENSIONS (mm)**

CODE	A	B	S	R
F 8	8	18	4	4
F 10	10	20	5	5
F 12	12	25	6	6
F 16	16	32	8	8

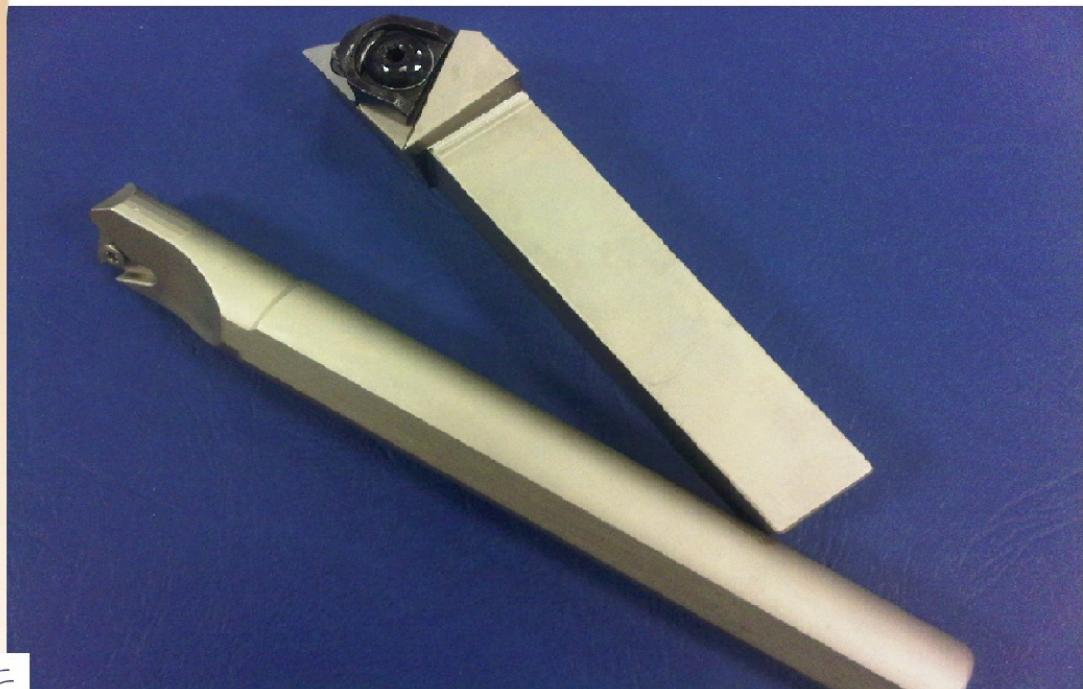


NOTCHING TOOLS FOR STEEL MILLS



GH

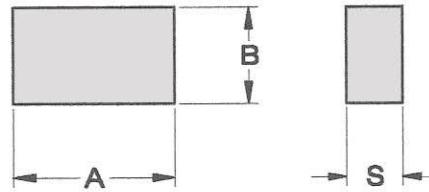
CODE	DIMENSIONS (mm)			
	A	B	S	R
GH 6	6	4	2	2,5
GH 8	8	5	2	3
GH 10	10	6	2,5	4
GH 12	12	8	3	5
GH 16	16	10	4	6



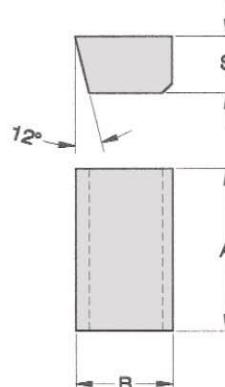




**DIFFERENT MODELS OF CORRUGATED
BLADES CAN BE MANUFACTURED**

J**W****CODE****DIMENSIONS (mm)**

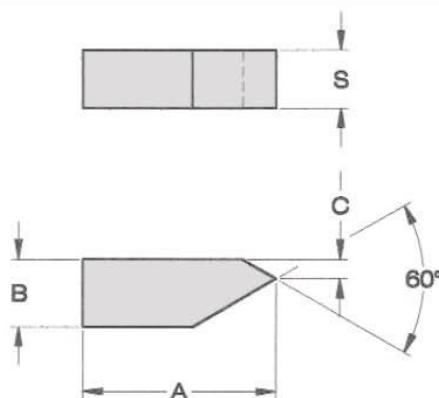
CODE	A	B	S
J 6	6	4	2
J 8	8	5	2
J 10	10	6	2,5
J 12	12	8	3

J**W****CODE****DIMENSIONS (mm)**

CODE	A	B	S
J 16	16	10	4



W2
WH2



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	A	B	S	C
UF 12	12	4	3	1
UF 14	14	4	4	1,3
UF 16	16	5	5	2
UF 20	20	7	6	2

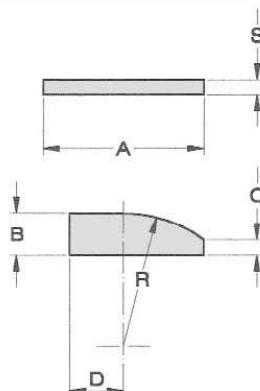


RW

VV

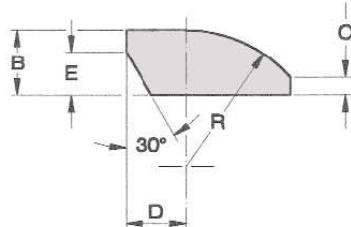
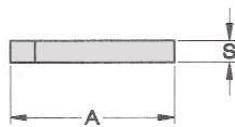
The diagram illustrates the cross-section of a RW profile. It features a top horizontal flange of width A and height S. Below it is a central rib of height B and a bottom flange of height C. The transition between the flange and the rib is a semi-circular arc of radius R. The total width of the profile is D.

CODE	DIMENSIONS (mm)					
	A	B	S	R	D	C
RW 12	12	2	0,8	25	5	1
RW 16	16	2,5	1,2	25	7,1	0,8
RW 19	19	3	1,4	25	9	0,9
RW 22	22	3,5	1,8	25	11,2	1
RW 25	25	4	2,2	25	15	1,9
RW 30	30	5	2,8	25	18	1,9

TW**TW**

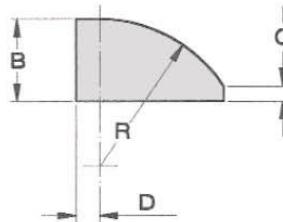
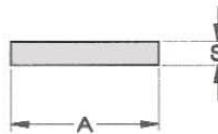
CODE	DIMENSIONS (mm)					
	A	B	S	R	D	C
TW 12	12	3	1,2	15	4,5	1
TW 16	16	3,5	1,6	15	7,5	0,9
TW 19	19	4,5	2	25	7,5	1,7
TW 22	22	5,6	2,5	25	9,5	2,3
TW 25	25	8	2,8	25	10	3

V



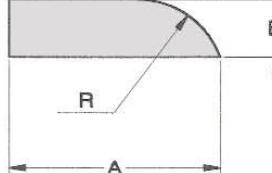
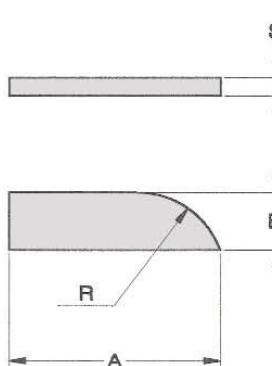
CODE	DIMENSIONS (mm)						
	A	B	S	R	D	C	E
V 22	22	5,6	2,5	25	9	2	4
V 25	25	8	2,8	25	10	3	5
V 30	30	12	4	25	11	3,3	8

UW

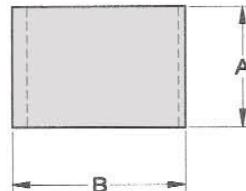
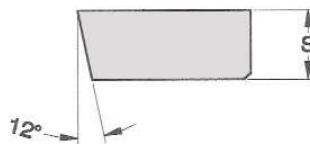


CODE	DIMENSIONS (mm)					
	A	B	S	R	D	C
UW 12	12	5,6	1,2	15	1,4	1,2
UW 16	16	6,7	1,6	15	4	0,7
UW 19	19	8	2	25	2,5	1,8
UW 22	22	11,2	2,5	25	2,8	2,2
UW 25	25	14	2,8	25	4	2,6

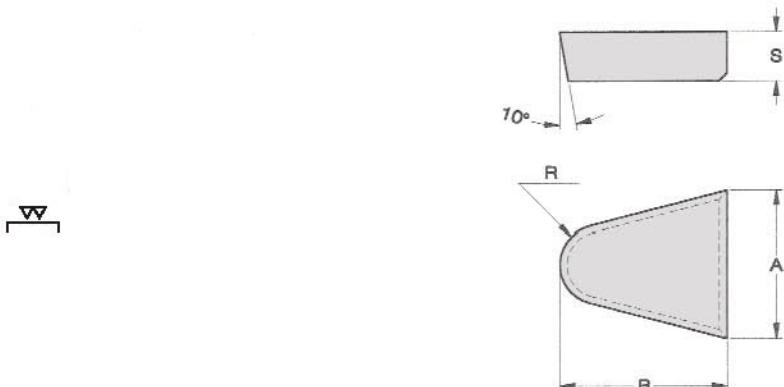
RT



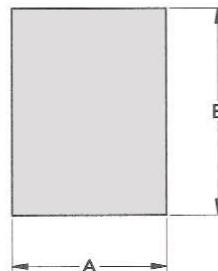
CODE	DIMENSIONS (mm)			
	A	B	S	R
RT 1	13	1,6	0,8	6,5
RT 2	13	2,5	1,2	6,5
RT 3	18	2,5	1,2	6,5
RT 4	18	3,5	1,6	6,5
RT 5	22	3,5	2	6,5
RT 6	22	4,8	2,4	8
RT 7	19	5,2	1,6	8

KB

CODE	DIMENSIONS (mm)		
	A	B	S
KB 2.5	2,5	15	4
KB 3.5	3,5	15	4
KB 4.5	4,5	15	4
KB 5.5	5,5	15	4
KB 6.5	6,5	15	4
KB 7.5	7,5	15	4
KB 8.5	8,5	20	6
KB 9.5	9,5	20	6
KB 10.5	10,5	20	6
KB 12.8	12,8	20	6

G

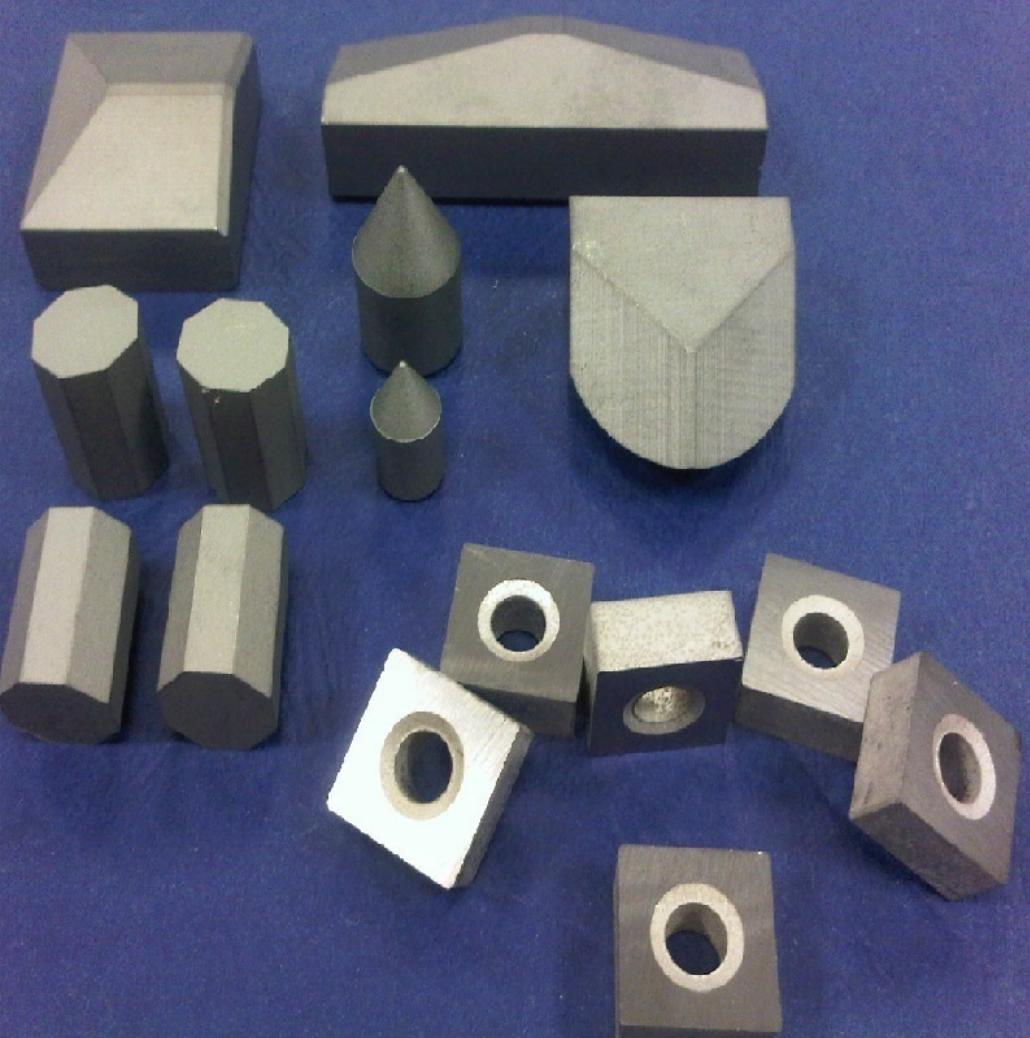
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	A	B	S	R
G 8	8	12	4	1
G 10	10	14	4	1,5
G 12	12	17	5	2,5
G 16	16	20	6	3,5
G 20	20	24	6	4,5
G 25	25	28	8	6
G 30	30	34	10	8

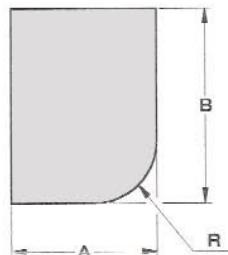
W

CODE	DIMENSIONS (mm)		
	A	B	S
1010	3,2	15,9	1,6
1015	4,0	6,4	1,6
1020	4,8	6,4	1,6
1025	6,4	6,4	1,6
1030	6,4	7,9	1,6
1035	3,2	19,1	2,4
1040	4,8	7,9	2,4
1050	4,8	12,7	2,4
1060	6,4	9,5	2,4
1070	6,4	12,7	2,4
1080	7,9	9,5	2,4
1090	9,5	9,5	2,4
1100	9,5	12,7	2,4
1105	11,1	12,7	2,4
1110	4,8	19,1	3,2
1120	6,4	12,7	3,2
1130	6,4	15,9	3,2
1140	6,4	19,1	3,2
1150	7,9	11,1	3,2
1160	7,9	12,7	3,2
1170	7,9	15,9	3,2
1180	9,5	12,7	3,2
1190	9,5	19,1	3,2
1200	12,7	12,7	3,2
1210	12,7	19,1	3,2

CODE	DIMENSIONS (mm)		
	A	B	S
1215	19,1	19,1	3,2
1220	9,5	14,3	4,0
1230	9,5	19,1	4,0
1240	15,9	15,9	4,0
1244	6,4	12,7	4,8
1250	7,9	11,1	4,8
1260	7,9	15,9	4,8
1270	9,5	12,7	4,8
1280	9,5	15,9	4,8
1290	9,5	19,1	4,8
1291	9,5	22,2	4,8
1300	11,1	15,9	4,8
1310	11,1	20,6	4,8
1320	12,7	12,7	4,8
1330	12,7	19,1	4,8
1340	19,1	19,1	4,8
1350	9,5	14,3	6,4
1360	9,5	19,1	6,4
1370	11,1	15,9	6,4
1380	12,7	19,1	6,4
1390	14,3	25,4	6,4
1400	15,9	15,9	6,4
1405	19,1	19,1	6,4
1410	19,1	25,4	6,4
1415	25,4	25,4	6,4
1420	11,1	15,9	7,9
1430	11,1	23,8	7,9
1440	12,7	19,1	7,9
1450	12,7	25,4	7,9
1460	15,9	25,4	7,9
1470	19,1	19,1	7,9
1475	19,1	25,4	7,9
1480	19,1	31,8	7,9
1490	12,7	19,1	9,5
1500	12,7	25,4	9,5
1510	15,9	25,4	9,5
1515	15,9	31,8	9,5

CODE	DIMENSIONS (mm)		
	A	B	S
1520	19,1	31,8	9,5
1525	19,1	38,1	9,5
1530	19,1	25,4	12,7
1540	19,1	31,8	12,7
1550	19,1	38,1	12,7

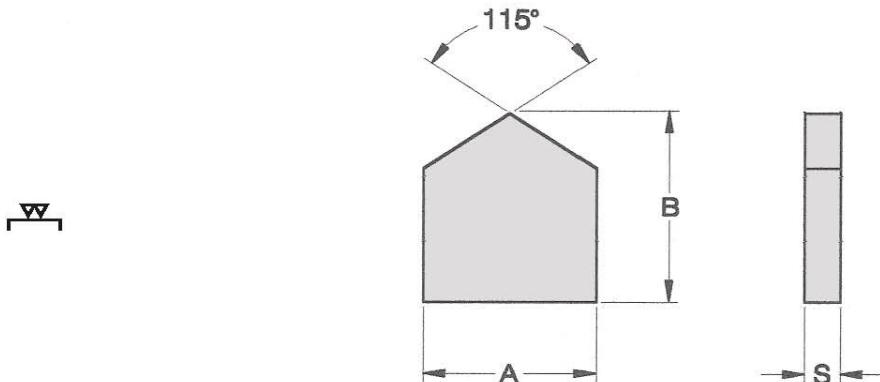


W

CODE	DIMENSIONS (mm)			
	A	B	S	R
2010	3,2	15,9	1,6	3,2
2015	4,0	6,4	1,6	3,2
2020	4,8	6,4	1,6	3,2
2025	6,4	6,4	1,6	3,2
2030	6,4	7,9	1,6	3,2
2035	3,2	19,1	2,4	3,2
2040	4,8	7,9	2,4	3,2
2050	4,8	12,7	2,4	3,2
2060	6,4	9,5	2,4	3,2
2070	6,4	12,7	2,4	3,2
2080	7,9	9,5	2,4	4,8
2090	9,5	9,5	2,4	4,8
2100	9,5	12,7	2,4	4,8
2105	11,1	12,7	2,4	6,4
2110	4,8	19,1	3,2	3,2
2118	6,4	11,1	3,2	3,2
2120	6,4	12,7	3,2	3,2
2130	6,4	15,9	3,2	3,2
2140	6,4	19,1	3,2	3,2
2150	7,9	11,1	3,2	4,8
2160	7,9	12,7	3,2	4,8
2170	7,9	15,9	3,2	4,8
2180	9,5	12,7	3,2	4,8
2190	9,5	19,1	3,2	4,8
2200	12,7	12,7	3,2	6,4

CODE	DIMENSIONS (mm)			
	A	B	S	R
2210	12,7	19,1	3,2	6,4
2215	19,1	19,1	3,2	6,4
2220	9,5	14,3	4,0	4,8
2230	9,5	19,1	4,0	4,8
2240	15,9	15,9	4,0	6,4
2250	7,9	11,1	4,8	4,8
2260	7,9	15,9	4,8	4,8
2270	9,5	12,7	4,8	4,8
2280	9,5	15,9	4,8	4,8
2290	9,5	19,1	4,8	4,8
2300	11,1	15,9	4,8	6,4
2310	11,1	20,6	4,8	6,4
2320	12,7	12,7	4,8	6,4
2330	12,7	19,1	4,8	6,4
2340	19,1	19,1	4,8	6,4
2390	14,3	25,4	6,4	6,4

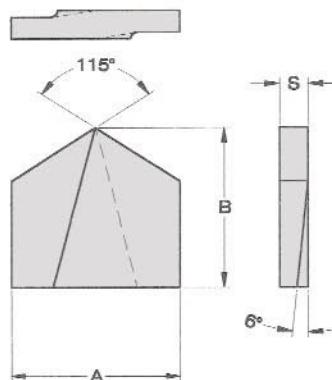


AW

CODE	DIMENSIONS (mm)		
	A	B	S
AW 2	2,5	3,5	0,4
AW 3	3,5	4,5	0,6
AW 3,5	4,0	4,5	0,7
AW 4	4,5	5,0	0,8
AW 5	5,5	6,0	0,9
AW 6	6,5	7,0	0,9
AW 7	7,5	8,0	1,4
AW 8	8,5	8,0	1,5

BW

W
Welded
Profile
Dimensions
in mm

**DIMENSIONS (mm)**

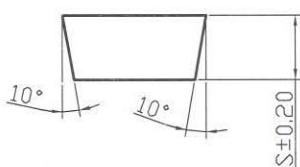
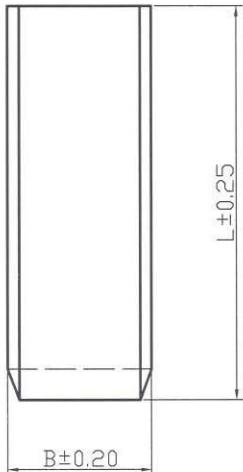
CODE	A	B	S
BW 9	9,5	9	1,6
BW 10	10,5	9	1,9
BW 11	11,8	11	2,1
BW 12	12,8	11	2,2
BW 13	13,8	12	2,5
BW 14	14,8	12	2,7
BW 15	15,8	14	2,7
BW 16	17,0	14	2,9
BW 17	18,0	16	3,2
BW 18	19,0	16	3,4
BW 19	20,0	18	3,7
BW 20	21,0	18	3,7
BW 21	22,0	18	3,8
BW 22	23,0	18	3,8
BW 23	24,0	20	4,0
BW 24	25,0	20	4,0
BW 25	26,0	20	4,2
BW 26	27,5	20	4,2
BW 27	28,5	22	4,5
BW 28	29,5	22	4,5
BW 29	30,5	22	4,8
BW 30	31,5	22	4,8
BW 31	32,5	24	5,0
BW 32	33,5	24	5,0
BW 33	34,5	24	5,2

CODE	DIMENSIONS (mm)		
	A	B	S
BW 34	35,5	24	5,2
BW 35	36,5	25	5,5
BW 36	37,5	25	5,5
BW 37	38,5	25	5,8
BW 38	39,5	25	5,8
BW 39	40,5	26	6,3
BW 40	41,5	26	6,3
BW 41	42,5	26	6,6
BW 42	43,5	26	6,6
BW 43	44,5	28	7,3
BW 44	45,5	28	7,3
BW 45	46,5	28	7,6
BW 46	47,5	28	7,6
BW 47	48,5	29	8,3
BW 48	49,5	29	8,3
BW 49	50,5	29	8,6
BW 50	51,5	29	8,6

6000

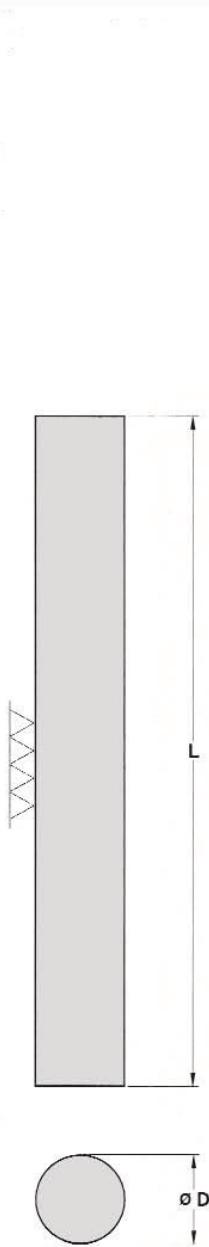


CODE	DIMENSIONS (mm)		
	A	B	S
6080	7,9	9,5	2,4
6100	9,5	12,7	2,4
6105	11,1	12,7	2,4
6200	12,7	12,7	3,2
6240	15,9	15,9	4,0
6340	19,1	19,1	4,8



CODE	DIMENSIONS (mm)		
	B	S	L
PB-L-001	9.3	4	28
PB-L-002	9.3	6	28
PB-L-003	13.3	4	28
PB-L-004	22.3	6	28
PB-L-005	15.3	6	28
PB-L-006	15.3	10	28
PB-L-007	17.3	4	28
PB-L-008	17.3	6	28

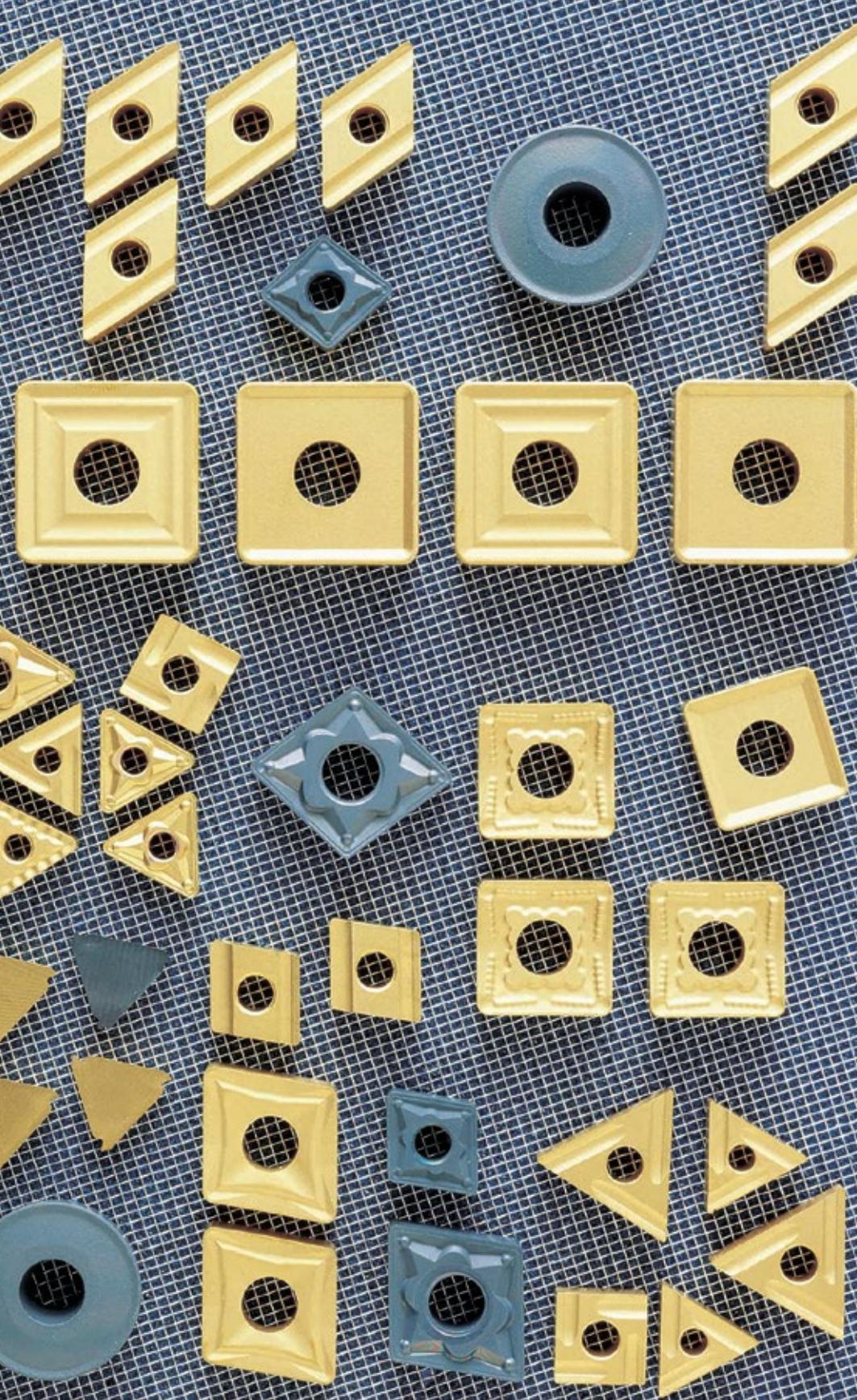
Ground L=90 mm



CODE	DIMENSIONS (mm)	
	D	L
901	1	90
901.1	1,1	90
901.2	1,2	90
901.3	1,3	90
901.4	1,4	90
901.5	1,5	90
901.6	1,6	90
901.7	1,7	90
901.8	1,8	90
901.9	1,9	90
902	2	90
902.1	2,1	90
902.2	2,2	90
902.3	2,3	90
902.4	2,4	90
902.5	2,5	90
902.6	2,6	90
902.7	2,7	90
902.8	2,8	90
902.9	2,9	90
903	3	90
903.1	3,1	90
903.2	3,2	90
903.3	3,3	90
903.4	3,4	90
903.5	3,5	90
903.6	3,6	90
903.7	3,7	90
903.8	3,8	90
903.9	3,9	90
904	4	90
904.5	4,5	90
905	5	90

6

**INSERTI
INSETTI**



W5 - ISO P35/P40

La presente qualità trova particolare impiego nelle lavorazioni in cui sia richiesta una notevole tenacità, anche con taglio interrotto ed in condizioni sfavorevoli di utilizzo.

Lavorazioni di tornitura, fresatura di getti fusi in acciaio con crosta di fusione e con inclusioni sabbiose. Si impiega con eccellenti risultati anche per la lavorazione degli acciai inossidabili.

Bassa velocità di taglio e forti sezioni di truciolo.

KZ08 - ISO K10/K15

La presente qualità viene impiegata esclusivamente per la costruzione di inserti per la lavorazione di ghisa in genere, ottone, rame, alluminio, leghe leggere ecc. Possiede un'ottima resistenza all'usura, grazie alla particolare granulometria di dimensione inferiore al micron, ma scarsa tenacità. Si raccomanda per quei lavori dove non siano assolutamente coinvolti urti o vibrazioni che sicuramente danneggierebbero l'utensile. Tornitura, fresatura, foratura con minimi avanzamenti ad alta velocità di taglio.

Si impiega con ottimi risultati nella fresatura di ghise dure, particolarmente abrasive.

WH15 - ISO K20/K30

La tenacità di questo grado rispetto alla precedente qualità KZ08 è di gran lunga superiore, grazie alla maggior quantità di cobalto. Si impiega su macchine anche non rigide con minime vibrazioni ed urti, con velocità medie e sezioni di truciolo mediogrande.

La presente qualità viene anch'essa prodotta solo per la realizzazione di inserti per tornitura, foratura e fresatura. Si raccomanda questa qualità per lavorare ghise in genere, ottone, rame, alluminio, bronzo, legno, porcellana, ecc.

WX25 - ISO P20/P25/P35

Questa qualità corrisponde ai gradi della scala ISO P25-P30-P35 e ciò giustifica il fatto di essere una qualità molto versatile nel campo della fresatura, tornitura, foratura. Si impiega nelle lavorazioni di acciai non legati o poco legati, acciai al carbonio con bassa resistenza e facilmente lavorabili ecc., con medio-basse velocità di taglio e passate medio-forti. Si raccomanda per tutti quei lavori generici, con asportazione di truciolo di acciai in generale e ghise a truciolo lungo. Grazie alla sua buona tenacità la si può impiegare in lavori dove siano coinvolti leggeri urti e vibrazioni.

W5 - ISO P35/P40

This grade can be particularly used in workings that require an high toughness degree, even if with interrupted cutting and in unfavourable working conditions. Turning and milling works on molten steel casts with casting skin and sand inclusions.

It has also proved to be extremely successful in stainless steel working. Low cutting speed and strong chip section.

KZ08 - ISO K10/K15

The only field of application suitable for the above grade is represented by the manufacturing of inserts for cast iron working in general: brass, copper, aluminium, light alloys, etc.

Thanks to its particular grainsize, which is less than 1 micron thick, this quality is highly wear resistant but not very tough. It is therefore suggested for those works without any shocks or vibrations which would certainly damage the tool.

High speed turning, milling, drilling with minimum feed. Besides, it can be successfully used in the milling of particularly abrasive hard cast iron.

WH15 - ISO K20/K30

The toughness degree of this grade is much higher than the one of the previous KZ08 grade, thanks to its higher content of cobalt. It is used on machines subjected to no excessive shocks or unusual vibrations, with average speeds and mediuma-large chip section. This grade, too, is merely produced for turning, drilling and milling inserts. It is suitable for the working of cast iron in general, brass, copper, aluminium, bronze, wood, porcelain, etc.

WX25 - ISO P20/P25/P35

This type falls into the ISO P25/P30/P35 group and, for this reasons, it is an highly versatile grade as far as milling, turning and drilling are concerned. It is used for low-alloyed carbon steels characterized by low resistance and easy machinability with medium-low cutting speeds and medium-strong depths of cut. It is recommended for all generic works with chip removal of steels in general and long chip cast iron. Thanks to its good toughness, it can be suitably used in works involving light shocks and vibrations.

333X - ISO P20/P25/P30

Qualità rivestite con nitruri e carbonitriuri di titanio avente un sottostato opportunamente studiato per resistere alle alte temperature di esercizio.

Si colloca nel campo ISO P20/P25/P30 ed è adatta particolarmente per lavorazioni generiche di ogni tipo di acciaio sia al carbonio che legati.

Possiede ottima resistenza all'usura, dovuta al suo rivestimento di circa 6 micron di spessore, ma scarsa tenacità; si sconsiglia dunque l'impiego in quelle lavorazioni di tornitura o fresatura ove sussistono eccessivi urti e vibrazioni.

Il rivestimento si presenta di color giallo chiaro.

666X - ISO P35/P40/P45

Qualità rivestita di carburi e carbonitriuri di titanio avente un sottostato opportunamente studiato per resistere alle forti sollecitazioni di urti, vibrazioni, anche su macchine non moderne.

Si impiega con ottimi risultati nelle lavorazioni di tornitura generica di acciai ed in particolare e di inossidabili e ghise. Qualità veramente tuttofare in quanto il rivestimento di circa 6 micron garantisce ottima resistenza all'usura mentre il tenacissimo sottostato (M30/M40) permette di affrontare qualsiasi condizioni di lavoro.

Il rivestimento si presenta di color giallo chiaro.

888X - ISO P30/P35/P40/P50/M20/M30

Qualità con elevato grado di tenacità composta da una particolare granulometria del carburo di tungsteno, in grado di far fronte a quelle lavorazioni meccaniche ove siano coinvolti forti urti e vibrazioni anche su macchine non moderne.

Il rivestimento è composto da carburi e carbonitriuri di titanio adatti, in particolare, per la lavorazione degli acciai, basse velocità di taglio e alti avanzamenti.

666S - ISO P30/P40/P45/P50

Spessore del rivestimento di ~2,5 micron con un sottostato molto tenace adatto per fresatura sia di acciaio inossidabile che per lavorazioni a basse velocità di taglio e alti avanzamenti, si contraddistingue proprio per la sua versatilità d'impiego.

333X - ISO P20/P25/P30

This grade is coated with titanium nitrides and carbonitrides or a substrate that has been purposely studied to resist high working temperature.

It falls into the ISO P20/P25/P30 group and is most suitable for mixed working on all types of steel, from carbon steel to alloyed types.

It is highly resistant to wear, due to its ca. 10 micron thick coating, but it is not very tough.

It is therefore not recommended for turning works with high vibrations and shocks.

The coating is light yellow in colour.

666X - ISO P35/P40/P45

This grade is coated with titanium carbides and carbonitrides on a substrate that has been suitably studied to resist high vibrations and stresses, also on old-fashioned machines.

It provides excellent results in general turning works of steel, specially stainless steel and cast iron.

It is really an all purpose quality as its ca. 6 microns thick coating provides high resistance to wear, while a very strong substrate (M30/M40) allows its use under all conditions.

The coating is light yellow in colour.

888X - ISO P30/P35/P40/P50/M20/M30

Characterized by an high degree of toughness, this grade is made of a particular grainsize of the tungsten carbide, which makes it suitable for those machinings with shocks and vibrations, also on old-fashioned machines.

Its coating is composed of titanium carbides and carbonitrides which turn out to be suitable for steel working, particularly at low cutting speeds and with high feed.

666S - ISO P30/P40/P45/P50

Characterized by ca. 2/2.5 microns thick coating and a very tough substrate which proves to be suitable for both stainless steel milling and work processes with low cutting speeds and high feed.

It stands out among many other qualities for its versatility of application.

A99 - ISO P20/P25/P30/K10/K20

Qualità particolarmente adatta per lavorazioni di tornitura e fresatura di ghisa in generale e di acciai ad alta velocità da taglio.

Composta da un sottostrato (M15/M20) con buona resistenza all'usura e rivestita con composti intervallati di ossido di alluminio (Allumina - Al_2O_3) e carburo di titanio (TiC) che conferiscono all'inserto eccezionale proprietà di resistenza all'usura.

Lo spessore del rivestimento è di circa 6 micron ed è di colore grigio scuro. È una qualità abbastanza rigida, quindi si raccomanda l'impiego in condizioni favor evoli ossia senza eccessivi urti o vibrazioni.

A155 - ISO P05/P10/P20/K05/K10/K15

Qualità con altissima resistenza all'usura, ma di scarsa tenacità grazie al suo particolare sottostrato che ne garantisce una lunga durata del tagliente. Si raccomanda l'impiego su macchine a controllo numerico ad alte velocità e basse asportazioni.

Il rivestimento è composto da strati di ossido di alluminio (Allumina - Al_2O_3), carburo di titanio (TiC) e nitruro di titanio (TiN).

A355 - ISO P20/P30/K15/K20

Simile alla precedente qualità per quanto riguarda il tipo di rivestimento ma si differenzia per il sottostrato tenace.

Si raccomanda questa qualità su macchine a controllo numerico ad alte velocità di taglio e medie asportazioni. Grazie alla non eccessiva durezza, si colloca nel campo di applicazione standard P20/P25/P30/K20 facendone così una qualità universale.

Ti25 - ISO P15/P25

Qualità rivestita di carburi e carbonitridi di titanio, impiegata esclusivamente per la realizzazione di inserti adatti alle operazioni di filettatura.

WM130 - ISO G2/G3

Qualità impiegata nella realizzazione di sottoplacchette per inserti.

A99 - ISO P20/P25/P30/K10/K20

This grade can be used with very good results in turning and milling works of cast iron in general and high cutting speed steels.

It is made of a substrate resistant to wear (M15/M20) and coated in turn with aluminium oxide (Alumina Al_2O_3) and titanium carbide (TiC), which give the insert exceptional properties of resistance to wear.

The coating thickness is of ca. 6 micron and looks dark grey in colour.

This is a rather tough grade and therefore its use is recommended in favourable working conditions, that is, when no excessive shock vibrations are present.

A155 - ISO P05/P10/P20/K05/K10/K15

It has excellent wearproof properties, but rather poor toughness. Thanks to both its particular coating and substrate, this grade guarantees a rather long life of the cutting edge. We recommend its use on numeric control machines with high speeds and light chip removal. Its coating is made of aluminium oxide (Alumina Al_2O_3) layers together with titanium carbide (TiC) and titanium nitride (TiN).

A355 - ISO P20/P30/K15/K20

Due to its coating type, this is similar to the previous grade, but it differs from it for its tough substrate.

This grade is recommended on numeric control machines with high cutting speeds and medium chip removal.

Thanks to its not excessive hardness, it falls into standard P20/P25/P30/K20 application field, turning it into an universal grade.

Ti25 - ISO P15/P25

Titanium carbides and carbonitrides coated grade, exclusively used in the manufacture of threading inserts.

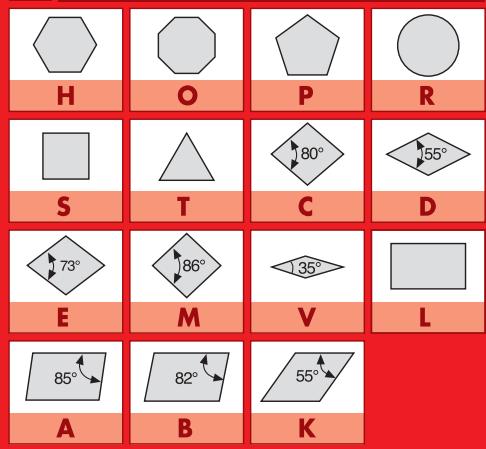
WN130 - ISO G2/G3

Grade used in the manufacture of shims for inserts.

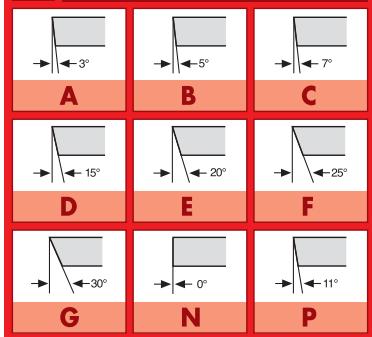
INSERTI / INSERTS

INSERTI PER TORNITURA / TURNING INSERTS

1 FORMA INSERTO INSERT SHAPE

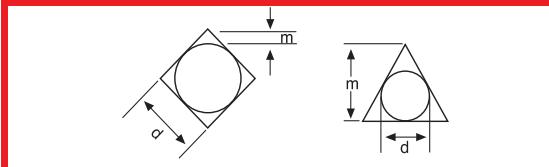


2 ANGOLO DI SPOGLIA CLEARANCE ANGLE



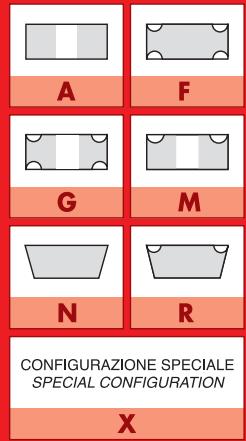
1 **S** 2 **N** 3 **M** 4 **G**

3 TOLLERANZE TOLERANCES



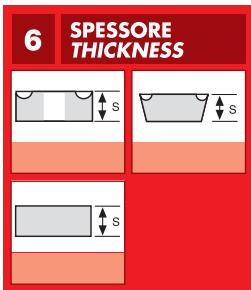
	m	s	d
A	$\pm 0,005^1)$	$\pm 0,025$	$\pm 0,025$
F	$\pm 0,005^1)$	$\pm 0,025$	$\pm 0,013$
C	$\pm 0,013$	$\pm 0,025$	$\pm 0,025$
H	$\pm 0,013$	$\pm 0,025$	$\pm 0,013$
E	$\pm 0,025$	$\pm 0,025$	$\pm 0,025$
G	$\pm 0,025$	$\pm 0,13$	$\pm 0,025$
J	$\pm 0,005^1)$	$\pm 0,025$	$da/from: \pm 0,05^2)$ $a/to: \pm 0,13^2)$
K	$\pm 0,013^1)$	$\pm 0,025$	$da/from: \pm 0,05^2)$ $a/to: \pm 0,13^2)$
L	$\pm 0,025$	$\pm 0,025$	$da/from: \pm 0,05^2)$ $a/to: \pm 0,13^2)$
M	$da/from: \pm 0,08^2)$ $a/to: \pm 0,18^2)$	$\pm 0,13$	$da/from: \pm 0,05^2)$ $a/to: \pm 0,13^2)$
U	$da/from: \pm 0,13^2)$ $a/to: \pm 0,38^2)$	$\pm 0,13$	$da/from: \pm 0,08^2)$ $a/to: \pm 0,25^2)$

4 TIPO DI INSERTO TYPE OF INSERT





**INSERTI
/ INSERTS**

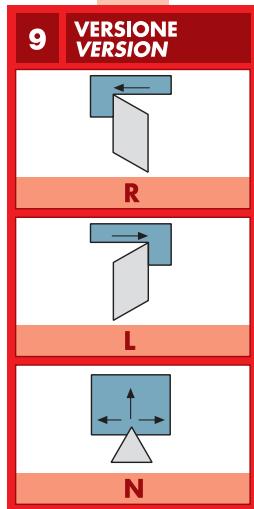
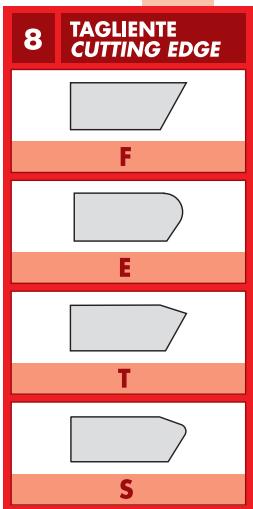


5 6 12 E N

19 **04** **7** **8** **9**

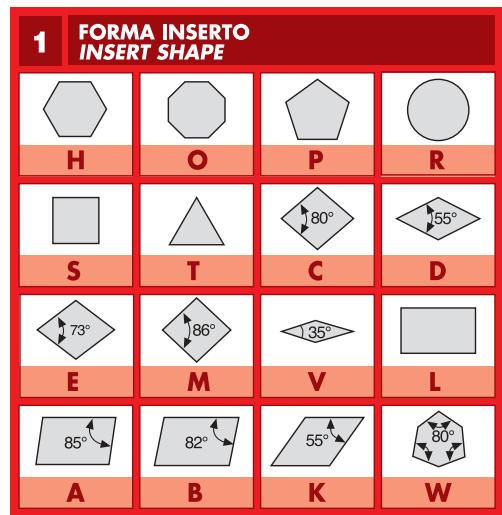
**7 RAGGIO
RADIUS**

00	Inserto tondo/Round insert
00	Vertice teorico/Theoretical vertex
02	0,2 mm
04	0,4 mm
05	0,5 mm
08	0,8 mm
10	1,0 mm
12	1,2 mm
15	1,5 mm
16	1,6 mm
24	2,4 mm
32	3,2 mm
40	4,0 mm



INSERTI / INSETS

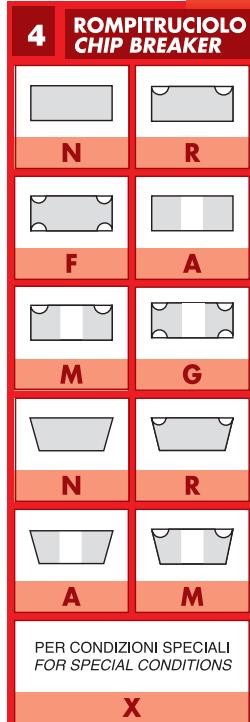
INSERTI PER FRESATURA / MILLING INSERTS



1 T 2 P 3 K 4 N

**3 TOLLERANZE
TOLERANCES**

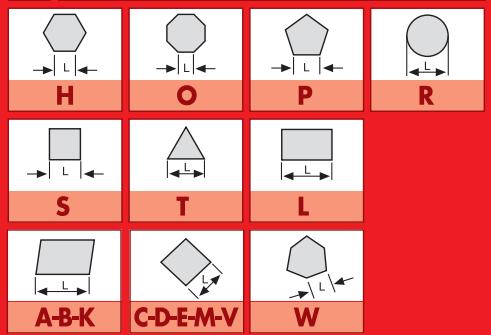
	m	s	d
A	$\pm 0,005^1)$	$\pm 0,025$	$\pm 0,025$
F	$\pm 0,005^1)$	$\pm 0,025$	$\pm 0,013$
C	$\pm 0,013$	$\pm 0,025$	$\pm 0,025$
H	$\pm 0,013$	$\pm 0,025$	$\pm 0,013$
E	$\pm 0,025$	$\pm 0,025$	$\pm 0,025$
G	$\pm 0,025$	$\pm 0,13$	$\pm 0,025$
J	$\pm 0,005^1)$	$\pm 0,025$	da/from: $\pm 0,05^2)$ a/to: $\pm 0,13^2)$
K	$\pm 0,013^1)$	$\pm 0,025$	da/from: $\pm 0,05^2)$ a/to: $\pm 0,13^2)$
L	$\pm 0,025$	$\pm 0,025$	da/from: $\pm 0,05^2)$ a/to: $\pm 0,13^2)$
M	da/from: $\pm 0,08^2)$ a/to: $\pm 0,18^2)$	$\pm 0,13$	da/from: $\pm 0,05^2)$ a/to: $\pm 0,13^2)$
U	da/from: $\pm 0,13^2)$ a/to: $\pm 0,38^2)$	$\pm 0,13$	da/from: $\pm 0,08^2)$ a/to: $\pm 0,25^2)$



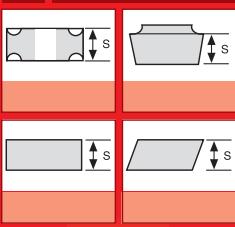


INSERTI / INSERTS

5 GRANDEZZA INSERTO / INSERT SIZE



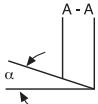
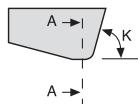
6 SPESORE / THICKNESS



5 **16** **03** **PD** **E** **R**

7 **8** **9**

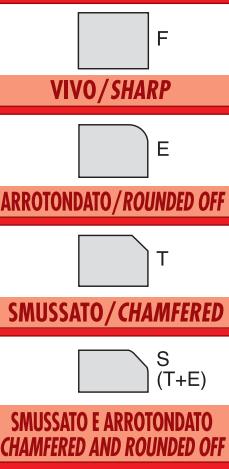
7 ANGOLI DI DIREZIONE E SPOGLIA / DIRECTION AND CLEARANCE ANGLE



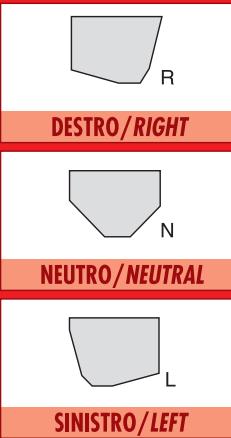
A = 45°
D = 60°
E = 75°
F = 85°
P = 90°

A = 3°
B = 5°
C = 7°
D = 15°
E = 20°
F = 25°
G = 30°
N = 0°
P = 11°

8 TAGLIENTI / CUTTING EDGE



9 DIREZIONE TAGLIO / CUTTING DIRECTION

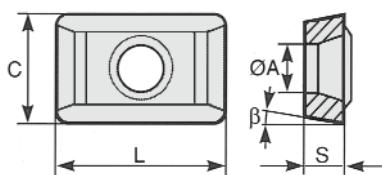


ADLT

 FRESATURA
MILLING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



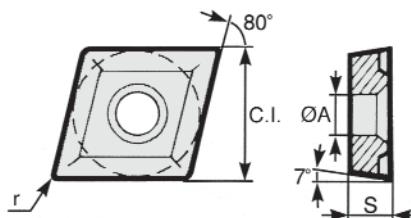
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	L	C	ØA	S	β
ADLT 150308 R	15,00	9,52	4,40	3,18	15°

CCMT

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

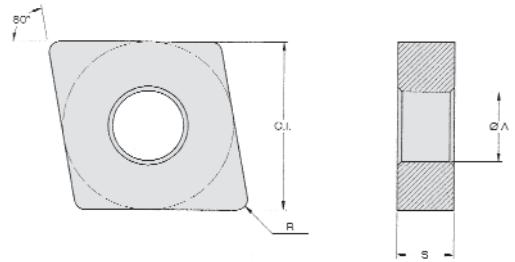
 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	r
CCMT 09T308	9,52	4,4	3,97	0,8

CNMA

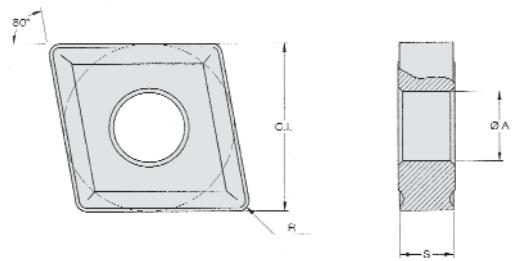
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMA 120404	12,70	5,16	4,76	0,4
CNMA 120408	12,70	5,16	4,76	0,8
CNMA 120412	12,70	5,16	4,76	1,2
CNMA 190608	19,05	7,94	6,35	0,8
CNMA 190612	19,05	7,94	6,35	1,2
CNMA 190616	19,05	7,94	6,35	1,6

CNMG

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



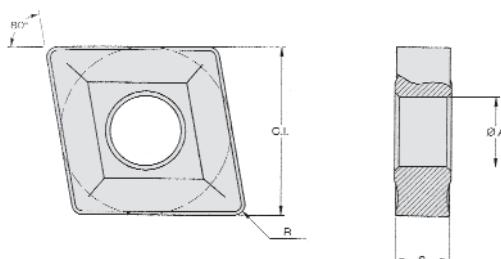
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMG 120404	12,70	5,16	4,76	0,4
CNMG 120408	12,70	5,16	4,76	0,8
CNMG 120412	12,70	5,16	4,76	1,2
CNMG 120416	12,70	5,16	4,76	1,6
CNMG 160612	15,87	6,35	6,35	1,2
CNMG 190612	19,05	7,94	6,35	1,2
CNMG 190616	19,05	7,94	6,35	1,6
CNMG 250924	25,40	9,12	9,52	2,4

CNMG-16

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMG 190612-16	19,05	7,94	6,35	1,2

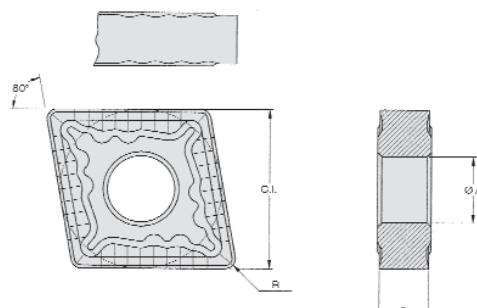
INSETTI
INSERTS

CNMG-90

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

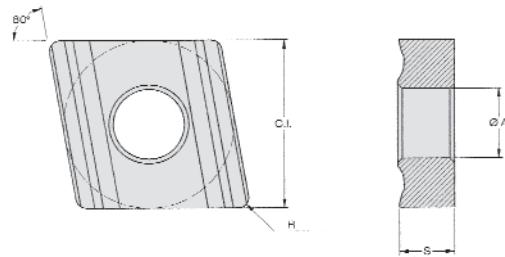
 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMG 120408-90	12,70	5,16	4,76	0,8
CNMG 120412-90	12,70	5,16	4,76	1,2

CNMG-S

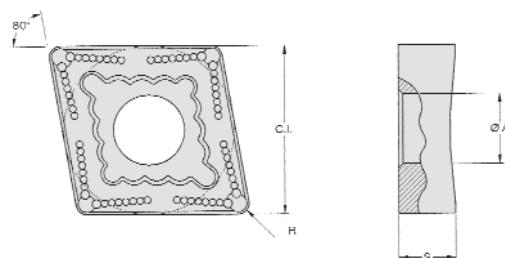
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMG 120404R-S	12,70	5,16	4,76	0,4
CNMG 120404L-S	12,70	5,16	4,76	0,4
CNMG 120408R-S	12,70	5,16	4,76	0,8
CNMG 120408L-S	12,70	5,16	4,76	0,8

CNMM-20P

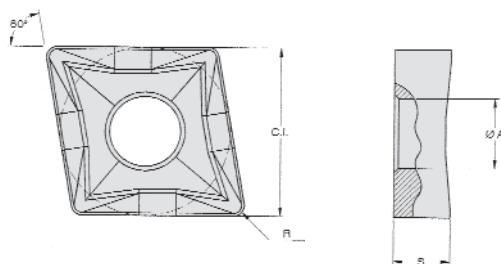
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMM 190616-20P	19,05	7,94	6,35	1,6

CNMM-U

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED

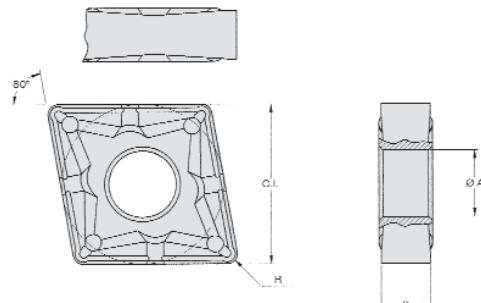


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMM 120412-U	12,70	5,16	4,76	1,2
CNMM 160612-U	15,88	6,35	6,35	1,2
CNMM 190616-U	19,05	7,94	6,35	1,6

INSETTI
INSERTS

CNMX-14P

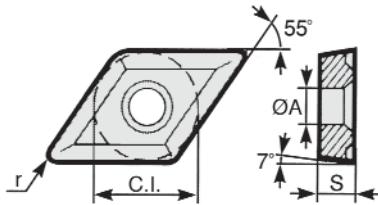
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
CNMX 120404-14P	12,70	5,16	4,76	0,4
CNMX 120408-14P	12,70	5,16	4,76	0,8
CNMX 120412-14P	12,70	5,16	4,76	1,2
CNMX 190612-14P	19,05	7,94	6,35	1,2

DCMT

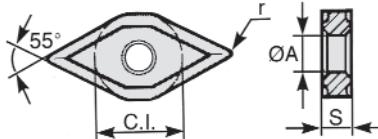
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	r
DCMT 11T308	9,52	4,4	3,97	0,8

DNMG

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



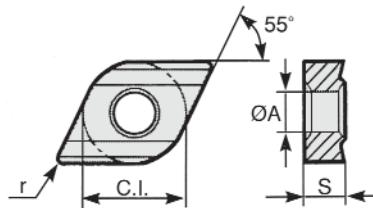
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	r
DNMG 150604	12,70	5,16	6,35	0,4
DNMG 150608	12,70	5,16	6,35	0,8
DNMG 150612	12,70	5,16	6,35	1,2
DNMG 150616	12,70	5,16	6,35	1,6
DNMG 190612	15,88	6,35	6,35	1,2

DNMG-S

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



INSETTI
INSERTS

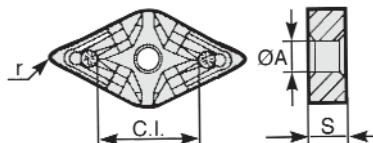
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	r
DNMG 150604R-S	12,70	5,16	6,35	0,4
DNMG 150604L-S	12,70	5,16	6,35	0,4
DNMG 150608R-S	12,70	5,16	6,35	0,8
DNMG 150608L-S	12,70	5,16	6,35	0,8

DNMX-14P

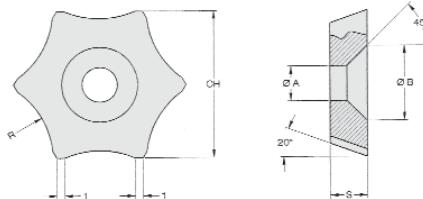
 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED

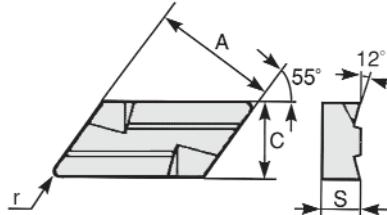


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	r
DNMX 150604-14P	12,70	5,16	6,35	0,4
DNMX 150608-14P	12,70	5,16	6,35	0,8
DNMX 150612-14P	12,70	5,16	6,35	1,2

HEMXSCORDONATURA
WELDING REMOVERRIVESTITO
COATED

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	CH	ØA	ØB	S	R
HEMX 1305 R ...	22,00	5,20	11,20	5,20

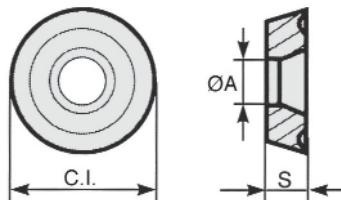
Il valore di R è dato dalla richiesta del cliente / "R" by request

KNUXTORNITURA
TURNINGNON RIVESTITO
UNCOATEDRIVESTITO
COATED

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	A	D	S	r
KNUX 160405 R11	16,15	9,52	4,76	0,5
KNUX 160405 L11	16,15	9,52	4,76	0,5
KNUX 160410 R11	16,15	9,52	4,76	1,0
KNUX 160410 L11	16,15	9,52	4,76	1,0
KNUX 160405 R12	16,15	9,52	4,76	0,5
KNUX 160405 L12	16,15	9,52	4,76	0,5
KNUX 160410 R11	16,15	9,52	4,76	1,0
KNUX 160410 L12	16,15	9,52	4,76	1,0

RCMX

-  TORNITURA
TURNING
-  FRESATURA
MILLING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED

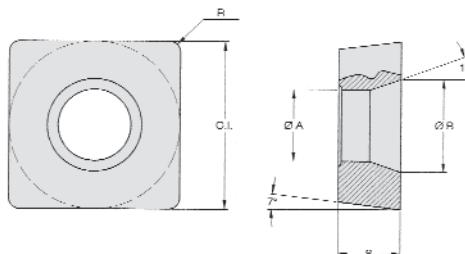


INSETTI
INSERTS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	ØA	S
RCMX 100300	10	3,6	3,18
RCMX 120400	12	4,2	4,76
RCMX 160600	16	5,2	6,35
RCMX 200600	20	6,5	6,35
RCMX 250700	25	7,2	7,94
RCMX 320900	32	9,5	9,52

SCMA

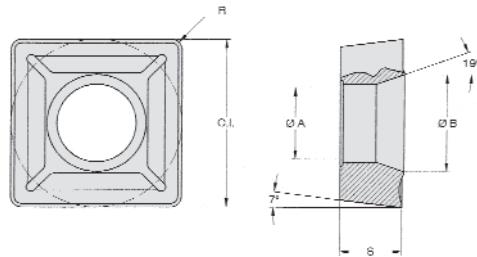
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	R
SCMA 090404	9,52	4,4	5,5	4,0	0,4
SCMA 090408	9,52	4,4	5,5	4,0	0,8
SCMA 120508	12,70	5,4	7,0	5,0	0,8

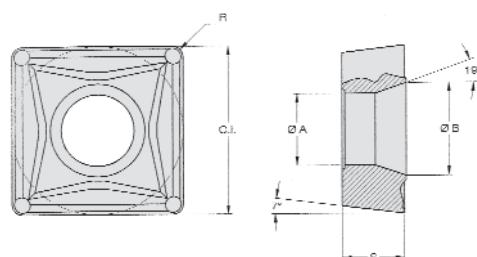
SCMM

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	R
SCMM 090404	9,52	4,4	5,5	4	0,4
SCMM 090408	9,52	4,4	5,5	4	0,8

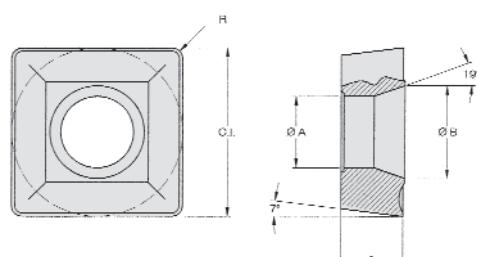
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	R
SCMM 120508	12,7	5,4	7,0	5	0,8

SCMM-G

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



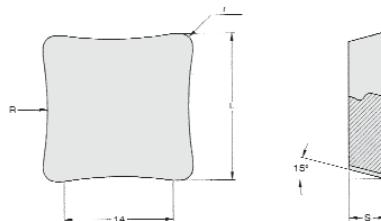
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	R
SCMM 120508-G	12,70	5,4	7,0	5,0	0,8



SCORDONATURA
WELDING REMOVER



RIVESTITO
COATED

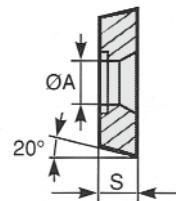
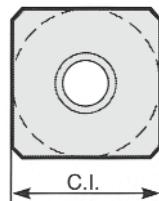


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	L	S	R	r
SDUX 190416-15	19,05	4,76	15	1,6
SDUX 190416-20	19,05	4,76	20	1,6
SDUX 190416-25	19,05	4,76	25	1,6
SDUX 190416-28	19,05	4,76	28	1,6
SDUX 190416-35	19,05	4,76	35	1,6
SDUX 190416-45	19,05	4,76	45	1,6
SDUX 190416-55	19,05	4,76	55	1,6
SDUX 190416-75	19,05	4,76	75	1,6



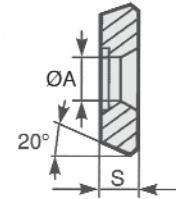
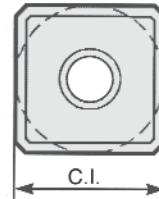
INSETTI
INSERTS

SEHX-F

FRESATURA
MILLINGNON RIVESTITO
UNCOATEDRIVESTITO
COATED

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	ØA	S
SEHX 1204-F	12,70	5,4	4,76
SEHX 1504-F	15,88	5,4	4,76

SEHX-T

FRESATURA
MILLINGNON RIVESTITO
UNCOATEDRIVESTITO
COATED

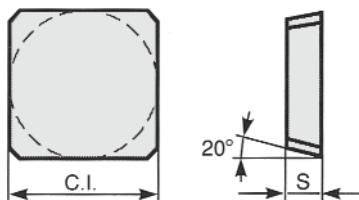
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	ØA	S
SEHX 1204-T	12,70	5,40	4,76
SEHX 1504-T	15,88	5,40	4,76

SEKN-F

 FRESATURA
MILLING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



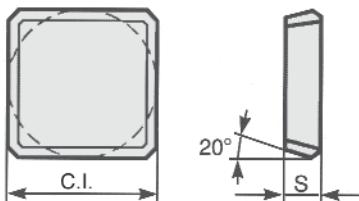
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I.	S
SEKN 1203 AFFN	12,70	3,18
SEKN 1504 AFFN	15,88	4,76

SEKN-T

 FRESATURA
MILLING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I.	S
SEKN 1203 AFTN	12,70	3,18
SEKN 1504 AFTN	15,88	4,76

INSETTI
INSERTS

SEMNF



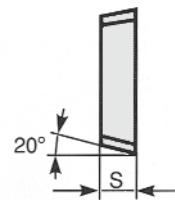
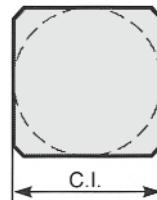
FRESATURA
MILLING



NON RIVESTITO
UNCOATED



RIVESTITO
COATED



INSETTI
/ INSERTS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I.	S
SEMNF 1203 AFFN	12,70	3,18
SEMNF 1204 AFFN	12,70	4,76

SNMA



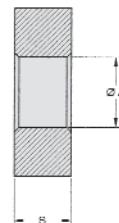
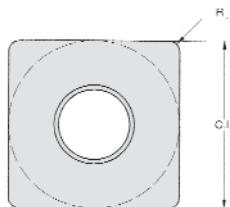
TORNITURA
TURNING



NON RIVESTITO
UNCOATED

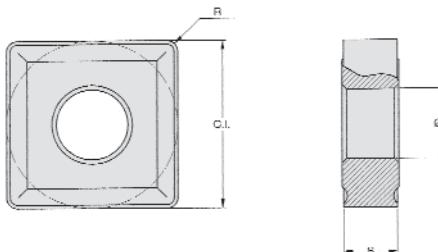


RIVESTITO
COATED

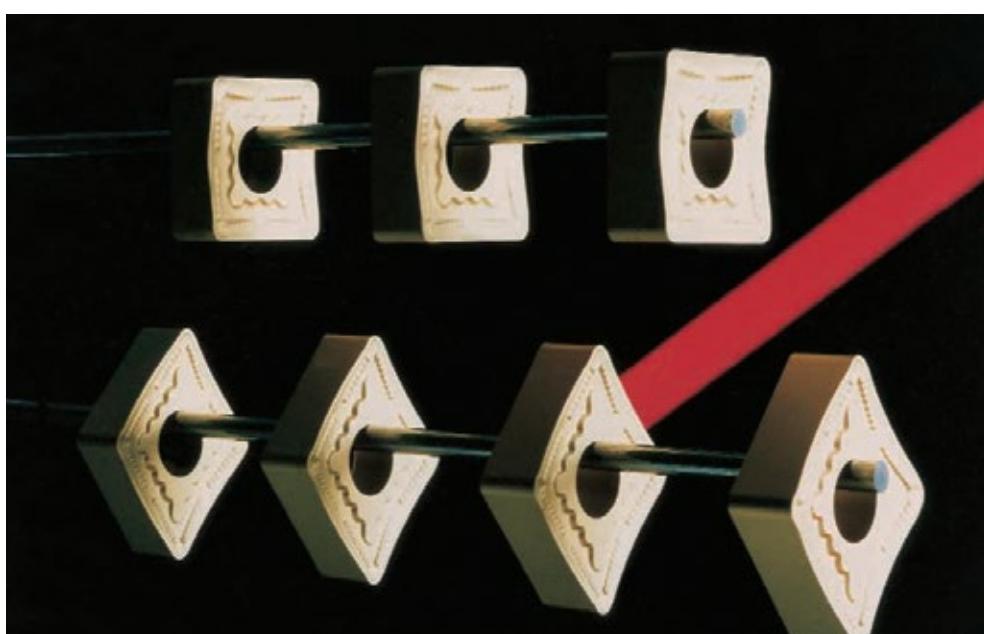


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMA 090304	9,52	3,81	3,18	0,4
SNMA 090308	9,52	3,81	3,18	0,8
SNMA 120404	12,70	5,16	4,76	0,4
SNMA 120408	12,70	5,16	4,76	0,8
SNMA 120412	12,70	5,16	4,76	1,2
SNMA 120416	12,70	5,16	4,76	1,6
SNMA 120450	12,70	5,16	4,76	5,0
SNMA 190608	19,05	7,94	6,35	0,8
SNMA 190612	19,05	7,94	6,35	1,2
SNMA 190616	19,05	7,94	6,35	1,6
SNMA 250724	25,40	9,12	7,94	2,4

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



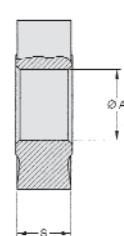
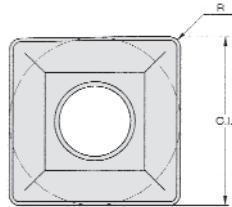
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMG 090304	9,52	3,81	3,18	0,4
SNMG 090308	9,52	3,81	3,18	0,8
SNMG 120404	12,70	5,16	4,76	0,4
SNMG 120408	12,70	5,16	4,76	0,8
SNMG 120412	12,70	5,16	4,76	1,2
SNMG 120416	12,70	5,16	4,76	1,6
SNMG 150612	15,87	6,35	6,35	1,2
SNMG 190612	19,05	7,93	6,35	1,2
SNMG 190616	19,05	7,93	6,35	1,6
SNMG 250724	25,40	9,12	7,94	2,4
SNMG 250924	25,40	9,12	9,52	2,4



INSETTI
INSERTS

SNMG-13

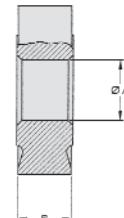
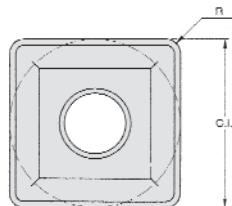
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMG 190616-13	19,05	7,94	6,35	1,6

SNMG-16

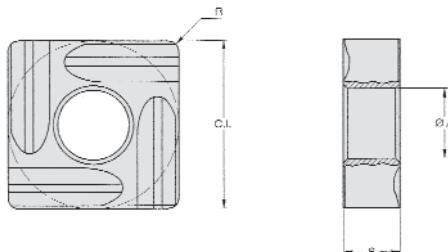
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMG 250724-16	25,40	9,12	7,94	2,4
SNMG 250924-16	25,40	9,12	9,52	2,4

SNMG-S

-  **TORNITURA**
TURNING
-  **NON RIVESTITO**
UNCOATED
-  **RIVESTITO**
COATED

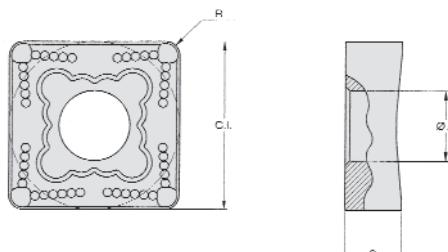


INSETTI
INSERTS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMG 120404R-S	12,70	5,16	4,76	0,4
SNMG 120404L-S	12,70	5,16	4,76	0,4
SNMG 120408R-S	12,70	5,16	4,76	0,8
SNMG 120408L-S	12,70	5,16	4,76	1,8
SNMG 120412R-S	12,70	5,16	4,76	1,2
SNMG 120412L-S	12,70	5,16	4,76	1,2

SNMM-20P

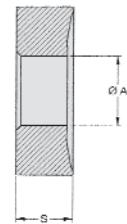
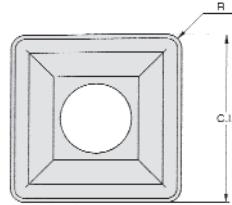
-  **TORNITURA**
TURNING
-  **NON RIVESTITO**
UNCOATED
-  **RIVESTITO**
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMM 190616-20P	19,05	7,94	6,35	1,6

SNMM-G

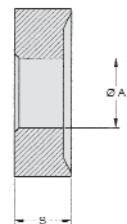
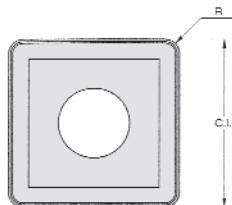
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMM 190616-G	19,05	7,94	6,35	1,6
SNMM 270724-G	25,40	9,12	7,94	2,4
SNMM 270924-G	25,40	9,12	9,52	2,4

SNMM-K

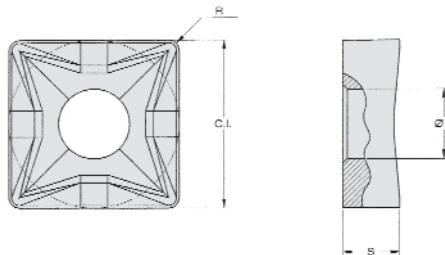
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMM 190616-K	19,05	7,94	6,35	1,6
SNMM 250724-K	25,40	9,12	7,94	2,4
SNMM 250924-K	25,40	9,12	9,52	2,4

SNMM-U

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED

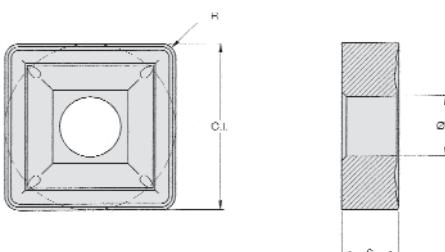


INSETTI
INSERTS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMM 120408-U	12,70	5,16	4,76	0,8
SNMM 120412-U	12,70	5,16	4,76	1,2
SNMM 190612-U	19,05	7,94	6,35	1,2
SNMM 190616-U	19,05	7,94	6,35	1,6
SNMM 190624-U	19,05	7,94	6,35	2,4

SNMM-V

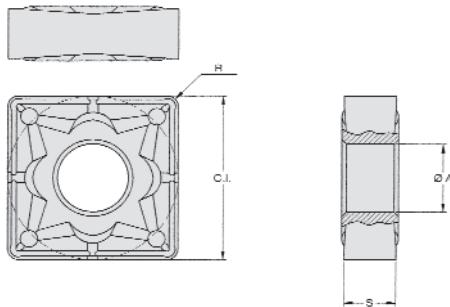
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



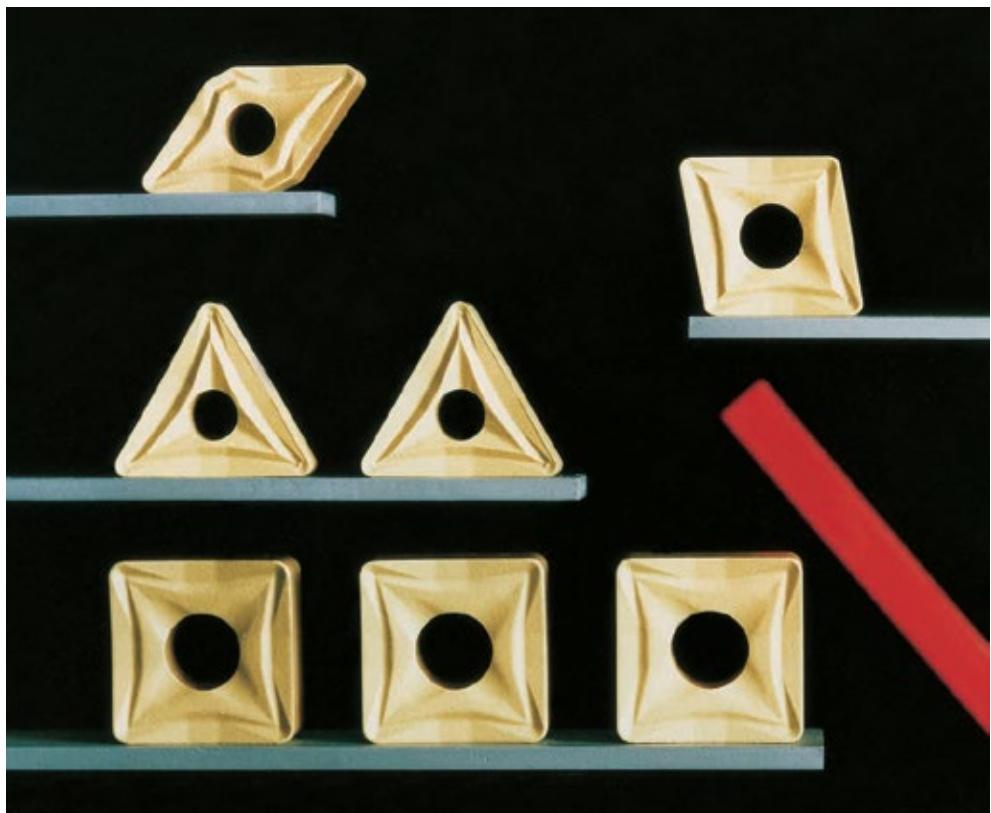
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMM 250724-V	25,40	9,12	7,94	2,4
SNMM 250924-V	25,40	9,12	9,52	2,4

SNMX-14P

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
SNMX 120408-14P	12,70	5,16	4,76	0,8



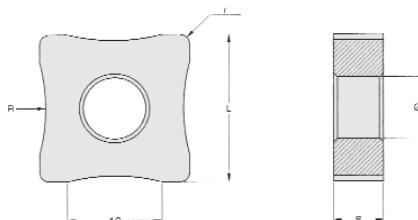
SNMX-21



SCORDONATURA
WELDING REMOVER



RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	L	ØA	S	R	r
SNMX21-R11	15,87	5,16	6,35	11	0,8
SNMX21-R13	15,87	5,16	6,35	13	0,8
SNMX21-R15	15,87	5,16	6,35	15	0,8
SNMX21-R18	15,87	5,16	6,35	18	0,8
SNMX21-R20	15,87	5,16	6,35	20	0,8
SNMX21-R22	15,87	5,16	6,35	22	0,8
SNMX21-R25	15,87	5,16	6,35	25	0,8
SNMX21-R27	15,87	5,16	6,35	27	0,8
SNMX21-R30	15,87	5,16	6,35	30	0,8
SNMX21-R35	15,87	5,16	6,35	35	0,8
SNMX21-R40	15,87	5,16	6,35	40	0,8
SNMX21-R42	15,87	5,16	6,35	42	0,8
SNMX21-R45	15,87	5,16	6,35	45	0,8
SNMX21-R50	15,87	5,16	6,35	50	0,8
SNMX21-R60	15,87	5,16	6,35	60	0,8
SNMX21-R65	15,87	5,16	6,35	65	0,8
SNMX21-R70	15,87	5,16	6,35	70	0,8
SNMX21-R75	15,87	5,16	6,35	75	0,8
SNMX21-R80	15,87	5,16	6,35	80	0,8
SNMX21-R90	15,87	5,16	6,35	90	0,8
SNMX21-R105	15,87	5,16	6,35	105	0,8
SNMX21-R120	15,87	5,16	6,35	120	0,8

INSETTI
INSERTS

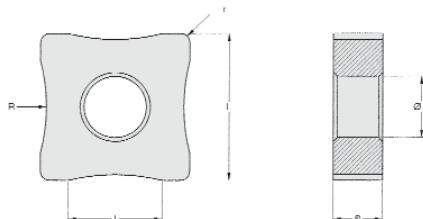
SNMX-21-19



SCORDONATURA
WELDING REMOVER



RIVESTITO
COATED



INSERTI
INSETS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)					
	L	ØA	S	R	I	r
SNMX 190612 R 15	19,05	6,35	6,35	15	12	1,2
SNMX 190612 R 20	19,05	6,35	6,35	20	12	1,2
SNMX 190612 R 30	19,05	6,35	6,35	30	12	1,2
SNMX 190612 R 40	19,05	6,35	6,35	40	12	1,2
SNMX 190612 R 50	19,05	6,35	6,35	50	12	1,2
SNMX 190612 R 60	19,05	6,35	6,35	60	12	1,2
SNMX 190612 R 70	19,05	6,35	6,35	70	12	1,2
SNMX 190612 R 80	19,05	6,35	6,35	80	12	1,2
SNMX 190612 R 90	19,05	6,35	6,35	90	12	1,2

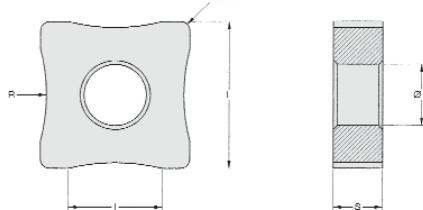
SNMX-21-25



SCORDONATURA
WELDING REMOVER



RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)					
	L	ØA	S	R	I	r
SNMX 250924 R 60	25,40	9,12	9,52	60	18	2,4
SNMX 250924 R 100	25,40	9,12	9,52	100	18	2,4
SNMX 250924 R 160	25,40	9,12	9,52	160	18	2,4

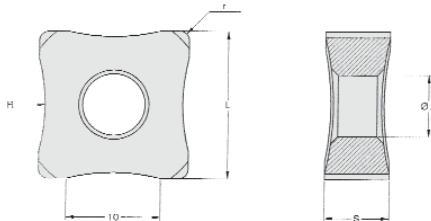
SNMX-22



SCORDONATURA
WELDING REMOVER



RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	L	ØA	S	R	r
SNMX22-R9	15,87	5,16	7,94	9	0,8
SNMX22-R13	15,87	5,16	7,94	13	0,8
SNMX22-R15	15,87	5,16	7,94	15	0,8
SNMX22-R18	15,87	5,16	7,94	18	0,8
SNMX22-R20	15,87	5,16	7,94	20	0,8
SNMX22-R22	15,87	5,16	7,94	22	0,8
SNMX22-R25	15,87	5,16	7,94	25	0,8
SNMX22-R27	15,87	5,16	7,94	27	0,8
SNMX22-R30	15,87	5,16	7,94	30	0,8
SNMX22-R35	15,87	5,16	7,94	35	0,8
SNMX22-R40	15,87	5,16	7,94	40	0,8
SNMX22-R42	15,87	5,16	7,94	42	0,8
SNMX22-R45	15,87	5,16	7,94	45	0,8
SNMX22-R50	15,87	5,16	7,94	50	0,8
SNMX22-R60	15,87	5,16	7,94	60	0,8
SNMX22-R70	15,87	5,16	7,94	70	0,8
SNMX22-R75	15,87	5,16	7,94	75	0,8
SNMX22-R90	15,87	5,16	7,94	90	0,8

INSETTI
/ INSERTS

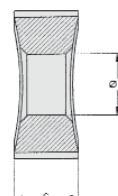
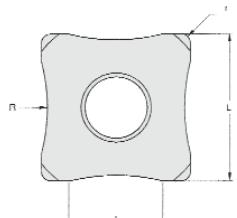
SNMX-22-19



SCORDONATURA
WELDING REMOVER



RIVESTITO
COATED



INSETTI
INSERTS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)					
	L	ØA	S	R	I	r
SNMX 190912 R 15	19,05	6,35	9,52	15	12	1,2
SNMX 190912 R 20	19,05	6,35	9,52	20	12	1,2
SNMX 190912 R 30	19,05	6,35	9,52	30	12	1,2
SNMX 190912 R 40	19,05	6,35	9,52	40	12	1,2
SNMX 190912 R 50	19,05	6,35	9,52	50	12	1,2
SNMX 190912 R 60	19,05	6,35	9,52	60	12	1,2
SNMX 190912 R 70	19,05	6,35	9,52	70	12	1,2
SNMX 190912 R 80	19,05	6,35	9,52	80	12	1,2
SNMX 190912 R 90	19,05	6,35	9,52	90	12	1,2

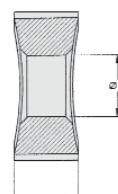
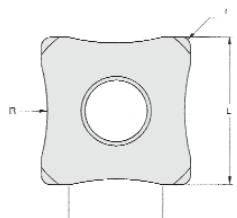
SNMX-22-25



SCORDONATURA
WELDING REMOVER



RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)					
	L	ØA	S	R	I	r
SNMX 251224 R 60	25,40	9,12	12,70	60	18	2,4
SNMX 251224 R 100	25,40	9,12	12,70	100	18	2,4
SNMX 251224 R 160	25,40	9,12	12,70	160	18	2,4

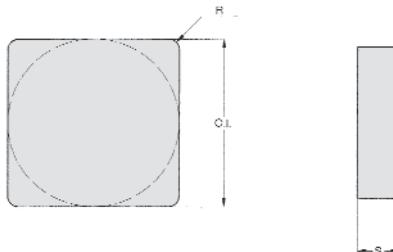
SNUN

 TORNITURA
TURNING

 FRESATURA
MILLING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



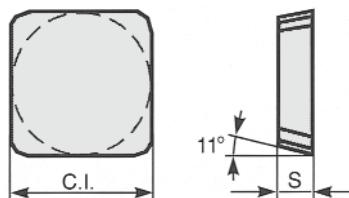
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	R
SNUN 120408	12,70	4,76	0,8
SNUN 120412	12,70	4,76	1,2

SPKN-F

 FRESATURA
MILLING

 NON RIVESTITO
UNCOATED

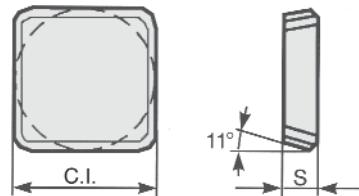
 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I	S
SPKN 1203 EDFR	12,70	3,18
SPKN 1504 EDFR	15,88	4,76
SPKN 1504 EDFL	15,88	4,76

SPKN-T

-  FRESATURA
MILLING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED

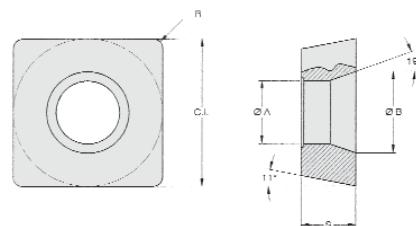


INSETTI
/ INSERTS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I.	S
SPKN 1203 EDTR	12,70	3,18
SPKN 1504 EDTR	15,88	4,76

SPMA

-  FRESATURA
MILLING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



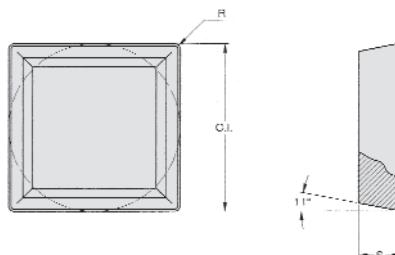
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	R
SPMA 090308	9,52	4,40	5,50	3,18	0,8
SPMA 120408	12,70	5,40	7,00	4,76	0,8
SPMA 150408	15,88	5,40	7,00	4,76	0,8

SPMR

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED

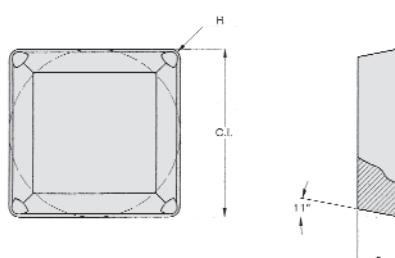


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	R
SPMR 090304	9,52	3,18	0,4
SPMR 120304	12,70	3,18	0,4

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

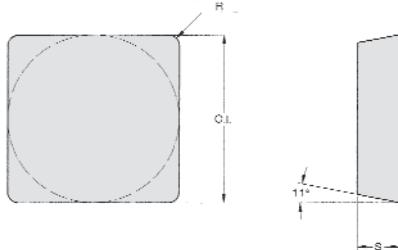
 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	R
SPMR 090308	9,52	3,18	0,8
SPMR 120308	12,70	3,18	0,8
SPMR 120312	12,70	3,18	1,2

SPUN

-  TORNITURA
TURNING
-  FRESATURA
MILLING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	R
SPUN 090308	9,52	3,18	0,8
SPUN 120304	12,70	3,18	0,4
SPUN 120308	12,70	3,18	0,8
SPUN 120312	12,70	3,18	1,2
SPUN 120408	12,70	4,76	0,8
SPUN 150408	15,87	4,76	0,8
SPUN 150412	15,87	4,76	1,2
SPUN 190408	19,05	4,76	0,8
SPUN 190412	19,05	4,76	1,2

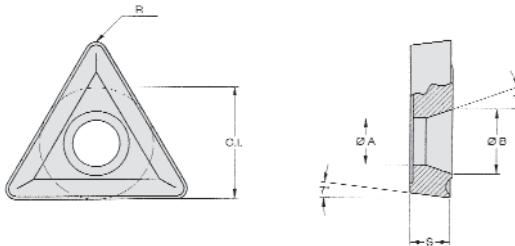


TCMM

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



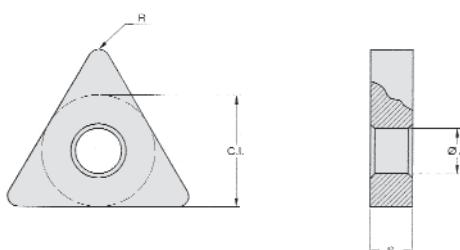
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	R
TCMM 160404	9,52	4,40	5,50	4,00	0,4
TCMM 160408	9,52	4,40	5,50	4,00	0,8

TNMA

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

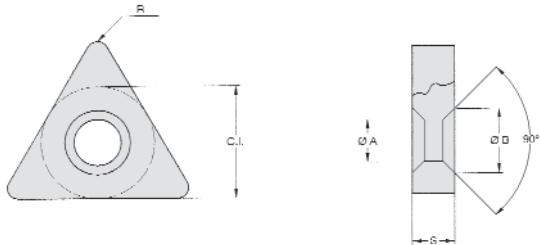
 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
TNMA 110308	6,35	2,26	3,18	0,8
TNMA 160304	9,52	3,81	3,18	0,4
TNMA 160308	9,52	3,81	3,18	0,8
TNMA 160312	9,52	3,81	3,18	1,2
TNMA 160404	9,52	3,81	4,76	0,4
TNMA 160408	9,52	3,81	4,76	0,8
TNMA 160412	9,52	3,81	4,76	1,2
TNMA 220404	12,70	5,16	4,76	0,4
TNMA 220408	12,70	5,16	4,76	0,8
TNMA 220412	12,70	5,16	4,76	1,2
TNMA 220416	12,70	5,16	4,76	1,6
TNMA 270612	15,87	6,35	6,35	1,2
TNMA 270616	15,87	6,35	6,35	1,6
TNMA 441116	25,40	9,12	11,00	1,6

INSERTI
INSERTS

TNMA-2

TORNITURA
TURNINGNON RIVESTITO
UNCOATED

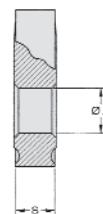
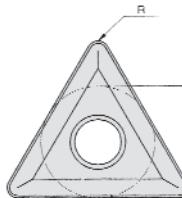
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	R
TNMA-2 160304	9,52	3,81	6,7	3,18	0,4
TNMA-2 160404	9,52	3,81	6,7	4,76	0,4
TNMA-2 220404	12,70	5,16	8,3	4,76	0,4
TNMA-2 220504	12,70	5,16	8,3	5,15	0,4
TNMA-2 220604	12,70	5,16	8,3	6,35	0,4
TNMA-2 220408	12,70	5,16	8,3	4,76	0,8
TNMA-2 220608	12,70	5,16	8,3	6,35	0,8
TNMA-2 330716	19,05	7,94	12,5	7,94	1,6
TNMA-2 330916	19,05	7,94	12,5	9,52	1,6
TNMA-2 330724	19,05	7,94	12,5	7,94	2,4
TNMA-2 330924	19,05	7,94	12,5	9,52	2,4

TNMG

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



INSETTI
INSERTS

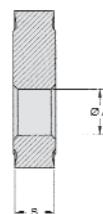
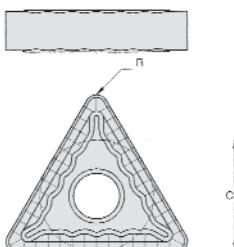
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
TNMG 110304	6,35	2,26	3,18	0,4
TNMG 160304	9,52	3,81	3,18	0,4
TNMG 160308	9,52	3,81	3,18	0,8
TNMG 160312	9,52	3,81	3,18	1,2
TNMG 160404	9,52	3,81	4,76	0,4
TNMG 160408	9,52	3,81	4,76	0,8
TNMG 160412	9,52	3,81	4,76	1,2
TNMG 220404	12,70	5,16	4,76	0,4
TNMG 220408	12,70	5,16	4,76	0,8
TNMG 220412	12,70	5,16	4,76	1,2
TNMG 220416	12,70	5,16	4,76	1,6
TNMG 270616	15,87	6,35	6,35	1,6

TNMG-90

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

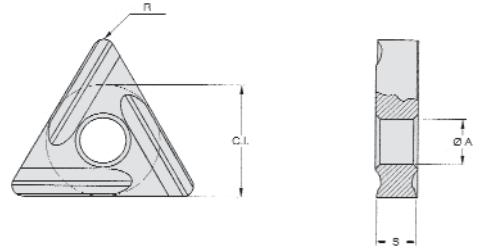
 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
TNMG 160408-90	9,52	3,81	4,76	0,8
TNMG 160412-90	9,52	3,81	4,76	1,2
TNMG 220408-90	12,70	5,16	4,76	0,8
TNMG 220412-90	12,70	5,16	4,76	1,2

TNMG-S

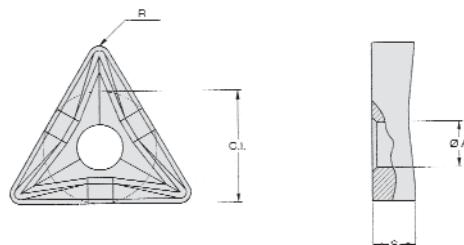
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
TNMG 160404R-S	9,52	3,81	4,76	0,4
TNMG 160404L-S	9,52	3,81	4,76	0,4
TNMG 160408R-S	9,52	3,81	4,76	0,8
TNMG 160408L-S	9,52	3,81	4,76	0,8
TNMG 220404R-S	12,70	5,16	4,76	0,4
TNMG 220404L-S	12,70	5,16	4,76	0,4
TNMG 220408R-S	12,70	5,16	4,76	0,8
TNMG 220408L-S	12,70	5,16	4,76	0,8

TNMM-U

-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



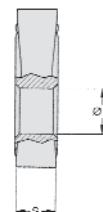
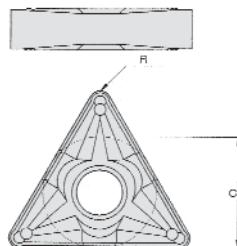
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
TNMM 160412-U	9,52	3,81	4,76	1,2
TNMM 220412-U	12,70	5,16	4,76	1,2
TNMM 270616-U	15,87	6,35	6,35	1,6

TNMX-14P

 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



INSETTI
INSERTS

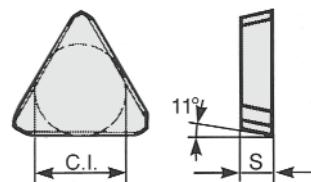
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	R
TNMX 160408-14P	9,52	3,81	4,76	0,8
TNMX 160412-14P	9,52	3,81	4,76	1,2
TNMX 220412-14P	12,70	5,16	4,76	1,2

TPAN

 FRESATURA
MILLING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I.	S
TPAN 1103 PPTN	6,35	3,18
TPAN 1603 PPTN	9,52	3,18

TPKX-F



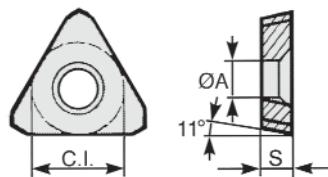
FRESATURA
MILLING



NON RIVESTITO
UNCOATED



RIVESTITO
COATED



INSERTI
/ INSERTS

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	ØA	S
TPKX 1604 PDF	9,52	4,4	4,76
TPKX 2204 PDF	12,70	5,4	4,76

TPMA



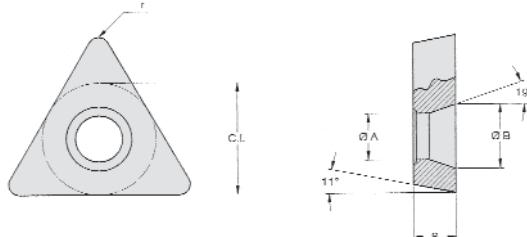
FRESATURA
MILLING



NON RIVESTITO
UNCOATED



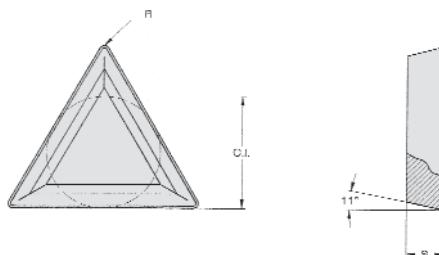
RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	C.I.	ØA	ØB	S	r
TPMA 160408	9,52	4,40	5,50	4,76	0,8
TPMA 220408	12,70	5,40	7,00	4,76	0,8

 TORNITURA
TURNING

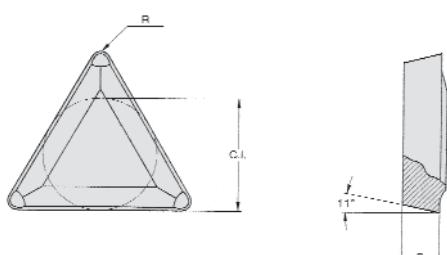
 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	R
TPMR 110304	6,35	3,18	0,4
TPMR 160304	9,52	3,18	0,4

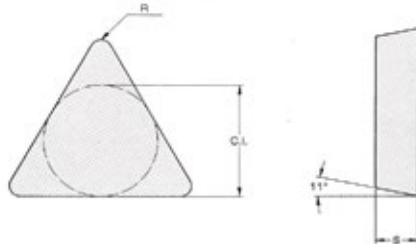
 TORNITURA
TURNING

 NON RIVESTITO
UNCOATED

 RIVESTITO
COATED


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	R
TPMR 110308	6,35	3,18	0,8
TPMR 160308	9,52	3,18	0,8
TPMR 160312	9,52	3,18	1,2

- TORNITURA
TURNING
- FRESATURA
MILLING
- NON RIVESTITO
UNCOATED
- RIVESTITO
COATED



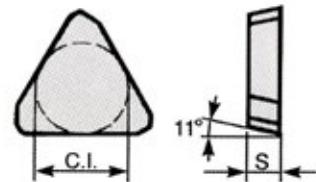
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	R
TPUN 110304	6,35	3,18	0,4
TPUN 110308	6,35	3,18	0,8
TPUN 160304	9,52	3,18	0,4
TPUN 160308	9,52	3,18	0,8
TPUN 160312	9,52	3,18	1,2
TPUN 220404	12,70	4,76	0,4
TPUN 220408	12,70	4,76	0,8
TPUN 220412	12,70	4,76	1,2
TPUN 220416	12,70	4,76	1,6



INSERTI / INSERTS

TPKN-F

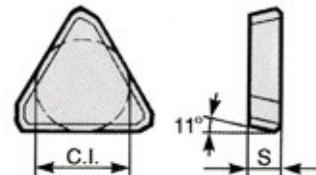
- FRESATURA
MILLING
- NON RIVESTITO
UNCOATED
- RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I.	S
TPKN 1603 PDFR	9,52	3,18
TPKN 2204 PDFR	12,70	4,76

TPKN-T

- FRESATURA
MILLING
- NON RIVESTITO
UNCOATED
- RIVESTITO
COATED

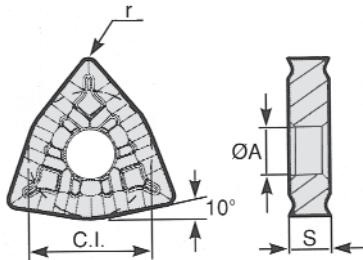


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)	
	C.I.	S
TPKN 1603 PDTR	9,52	3,18
TPKN 2204 PDTR	12,70	4,76

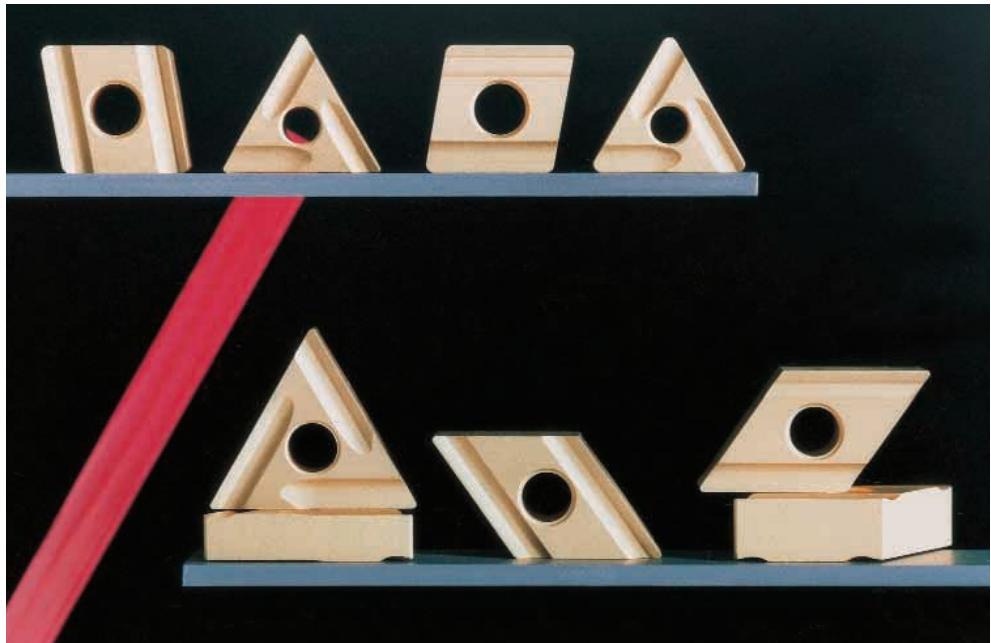
WNMG

INSERTI
/ INSERTS

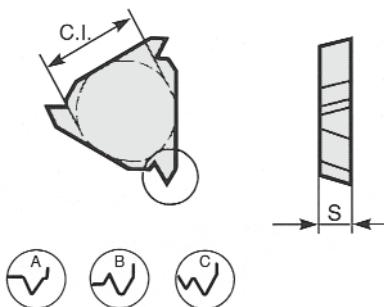
-  TORNITURA
TURNING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	r
WNMG 080408	12,70	5,16	4,76	0,8



-  FILETTURA
THREADING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



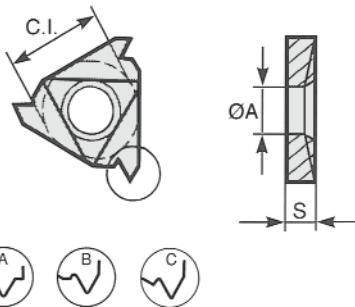
Passo = P
Filettatura metrica esterna 60°

Pitch = P
Outside metric threading 60°

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	C.I.	S	P
WEDA 160315	9,52	3,18	1,50
WESA 160315	9,52	3,18	1,50
WEDA 160317	9,52	3,18	1,75
WESA 160317	9,52	3,18	1,75
WEDA 160320	9,52	3,18	2,00
WESA 160320	9,52	3,18	2,00
WEBB 160307	9,52	3,18	0,75
WESB 160307	9,52	3,18	0,75
WEBB 160310	9,52	3,18	1,00
WESB 160310	9,52	3,18	1,00
WEBB 160312	9,52	3,18	1,25
WESB 160312	9,52	3,18	1,25
WEDC 160325	9,52	3,18	2,50
WESC 130325	9,52	3,18	2,50
WEDC 160330	9,52	3,18	3,00
WESC 160330	9,52	3,18	3,00

INSETTI
INSERTS

-  FILETTATURA
THREADING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



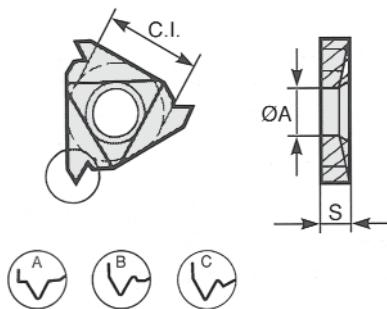
Passo = P
Filettatura metrica esterna 60°

Pitch = P
Outside metric threading 60°

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	P
WEFDA 160307	9,52	3,85	3,68	0,75
WEFSA 160307	9,52	3,85	3,68	0,75
WEFDA 160315	9,52	3,85	3,68	1,50
WEFSA 160315	9,52	3,85	3,68	1,50
WEFDA 160317	9,52	3,85	3,68	1,75
WEFSA 160317	9,52	3,85	3,68	1,75
WEFDA 160320	9,52	3,85	3,68	2,00
WEFSA 160320	9,52	3,85	3,68	2,00
WEFDB 160310	9,52	3,85	3,68	1,00
WEFSB 160310	9,52	3,85	3,68	1,00
WEFDB 160312	9,52	3,85	3,68	1,25
WEFSB 160312	9,52	3,85	3,68	1,25
WEFDC 160325	9,52	3,85	3,68	2,50
WEFSC 160325	9,52	3,85	3,68	2,50
WEFDC 160330	9,52	3,85	3,68	3,00
WEFSC 160330	9,52	3,85	3,68	3,00

CODICE FILETTATORE UNIVERSALE CODE UNIVERSAL THREADING	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	P
WEFD/0,5-3	9,52	3,85	3,68	0,5-3

-  FILETTATURA
THREADING
-  NON RIVESTITO
UNCOATED
-  RIVESTITO
COATED



Passo = P
Filettatura metrica interna 60°

Pitch = P
Inside metric threading 60°

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	P
WIFDA 160315	9,52	3,85	3,68	1,50
WIFSA 160315	9,52	3,85	3,68	1,50
WIFDA 160317	9,52	3,85	3,68	1,75
WIFSA 160317	9,52	3,85	3,68	1,75
WIFDA 160320	9,52	3,85	3,68	2,00
WIFSA 160320	9,52	3,85	3,68	2,00
WIFDB 160307	9,52	3,85	3,68	0,75
WIFSB 160307	9,52	3,85	3,68	0,75
WIFDB 160310	9,52	3,85	3,68	1,00
WIFSB 160310	9,52	3,85	3,68	1,00
WIFDB 160312	9,52	3,85	3,68	1,25
WIFSB 160312	9,52	3,85	3,68	1,25
WIFDC 160325	9,52	3,85	3,68	2,50
WIFSC 160325	9,52	3,85	3,68	2,50
WIFDC 160330	9,52	3,85	3,68	3,00
WIFSC 160330	9,52	3,85	3,68	3,00

CODICE FILETTATORE UNIVERSALE CODE UNIVERSAL THREADING	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	ØA	S	P
WIFD/0,5-3	9,52	3,85	3,68	0,5-3

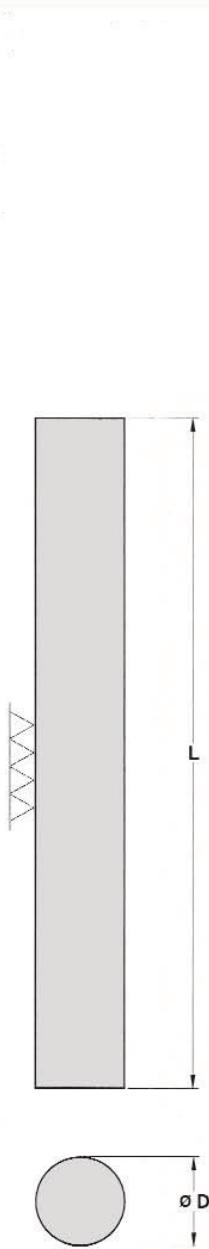
INSETTI
INSERTS



TUNGSTEN CARBIDE RODS

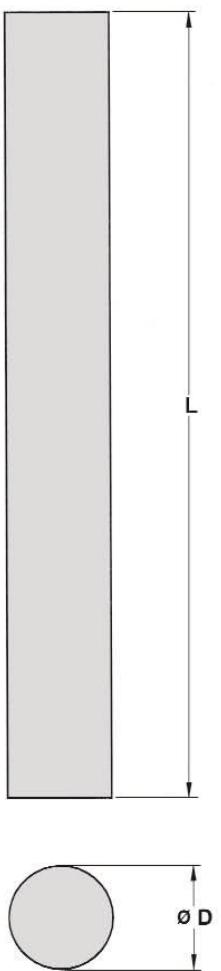


Ground L=90 mm



CODE	DIMENSIONS (mm)	
	D	L
901	1	90
901.1	1,1	90
901.2	1,2	90
901.3	1,3	90
901.4	1,4	90
901.5	1,5	90
901.6	1,6	90
901.7	1,7	90
901.8	1,8	90
901.9	1,9	90
902	2	90
902.1	2,1	90
902.2	2,2	90
902.3	2,3	90
902.4	2,4	90
902.5	2,5	90
902.6	2,6	90
902.7	2,7	90
902.8	2,8	90
902.9	2,9	90
903	3	90
903.1	3,1	90
903.2	3,2	90
903.3	3,3	90
903.4	3,4	90
903.5	3,5	90
903.6	3,6	90
903.7	3,7	90
903.8	3,8	90
903.9	3,9	90
904	4	90
904.5	4,5	90
905	5	90

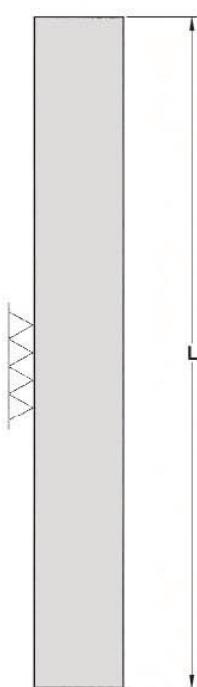
Unground L=100mm



CODE	DIMENSIONS (mm)	
	D	L
U1	1	100
U1.5	1,5	100
U2	2	100
U2.5	2,5	100
U3	3	100
U3.5	3,5	100
U4	4	100
U4.5	4,5	100
U5	5	100
U5.5	5,5	100
U6	6	100
U6.5	6,5	100
U7	7	100
U7.5	7,5	100
U8	8	100
U8.5	8,5	100
U9	9	100
U9.5	9,5	100
U10	10	100
U10.5	10,5	100
U11	11	100
U11.5	11,5	100
U12	12	100
U13	13	100
U14	14	100
U15	15	100
U16	16	100
U17	17	100
U18	18	100
U19	19	100
U20	20	100
U22	22	100
U24	24	100
U25	25	100
U26	26	100
U27	27	100
U28	28	100

CODE	DIMENSIONS (mm)	
	D	L
U30	30	100
U32	32	100
U35	35	100

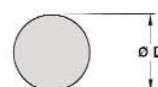
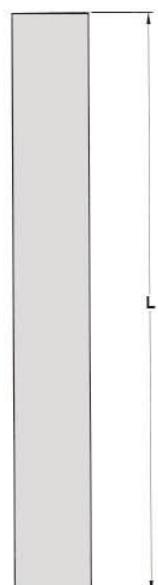
Ground L=100 mm



CODE	DIMENSIONS (mm)	
	D	L
G1	1	100
G1.5	1,5	100
G2	2	100
G2.5	2,5	100
G3	3	100
G3.5	3,5	100
G4	4	100
G4.5	4,5	100
G5	5	100
G5.5	5,5	100
G6	6	100
G6.5	6,5	100
G7	7	100
G7.5	7,5	100
G8	8	100
G8.5	8,5	100
G9	9	100
G9.5	9,5	100
G10	10	100
G10.5	10,5	100
G11	11	100
G11.5	11,5	100
G12	12	100
G13	13	100
G14	14	100
G15	15	100
G16	16	100

CODE	DIMENSIONS (mm)	
	D	L
G17	17	100
G18	18	100
G19	19	100
G20	20	100
G22	22	100
G24	24	100
G25	25	100
G26	26	100
G27	27	100
G28	28	100
G30	30	100
G32	32	100
G35	35	100

Unground L=330 mm

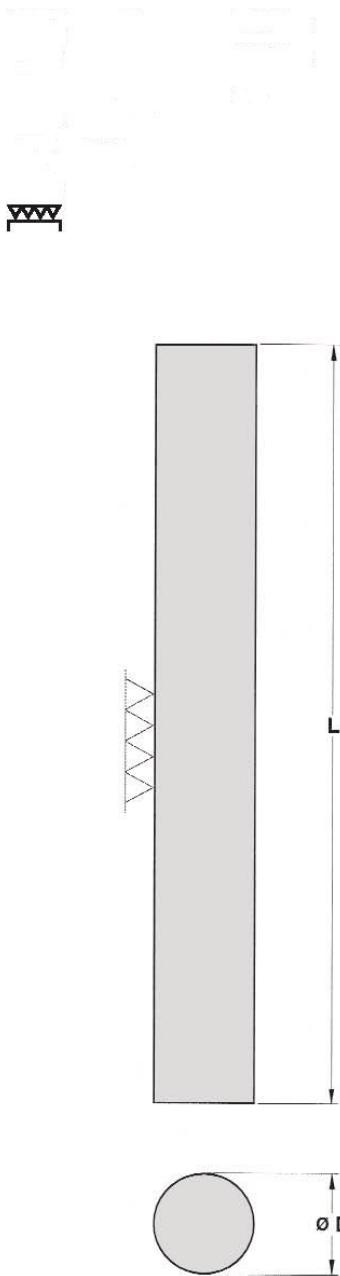


CODE	DIMENSIONS (mm)	
	D	L
UL2	2	330
UL2.5	2,5	330
UL3	3	330
UL3.5	3,5	330
UL4	4	330
UL4.5	4,5	330
UL5	5	330
UL5.5	5,5	330
UL6	6	330
UL6.5	6,5	330
UL7	7	330
UL7.5	7,5	330
UL8	8	330
UL8.5	8,5	330
UL9	9	330
UL9.5	9,5	330
UL10	10	330

CODE	DIMENSIONS (mm)	
	D	L
UL10.5	10,5	330
UL11	11	330
UL11.5	11,5	330
UL12	12	330
UL13	13	330
UL14	14	330
UL15	15	330
UL16	16	330
UL17	17	330
UL18	18	330
UL19	19	330
UL20	20	330
UL22	22	330
UL24	24	330
UL25	25	330
UL26	26	330
UL27	27	330
UL28	28	330
UL30	30	330
UL32	32	330
UL35	35	330



Ground L=330 mm



CODE	DIMENSIONS (mm)	
	D	L
GL2	2	330
GL2.5	2,5	330
GL3	3	330
GL3.5	3,5	330
GL4	4	330
GL4.5	4,5	330
GL5	5	330
GL5.5	5,5	330
GL6	6	330
GL6.5	6,5	330
GL7	7	330
GL7.5	7,5	330
GL8	8	330
GL8.5	8,5	330
GL9	9	330
GL9.5	9,5	330
GL10	10	330
GL10.5	10,5	330
GL11	11	330
GL11.5	11,5	330
GL12	12	330
GL12.5	12,5	330
GL13	13	330
GL14	14	330
GL15	15	330
GL16	16	330
GL17	17	330
GL18	18	330
GL19	19	330
GL20	20	330
GL22	22	330
GL24	24	330
GL25	25	330
GL26	26	330
GL27	27	330
GL28	28	330

CODE	DIMENSIONS (mm)	
	D	L
GL30	30	330
GL32	32	330
GL35	35	330

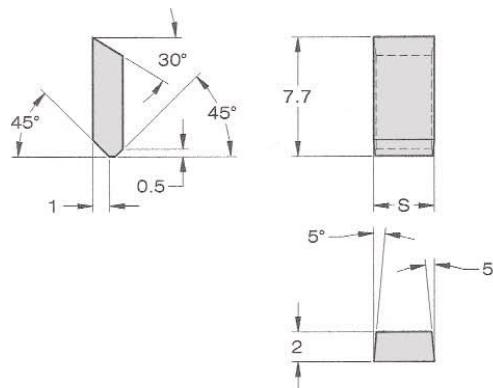




TUNGSTEN CARBIDE SAW TEETH



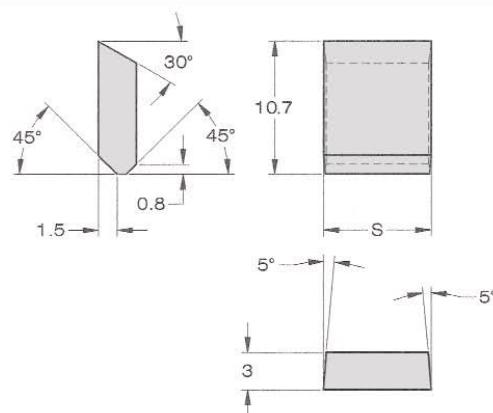
D 80



DIMENSIONS (mm)

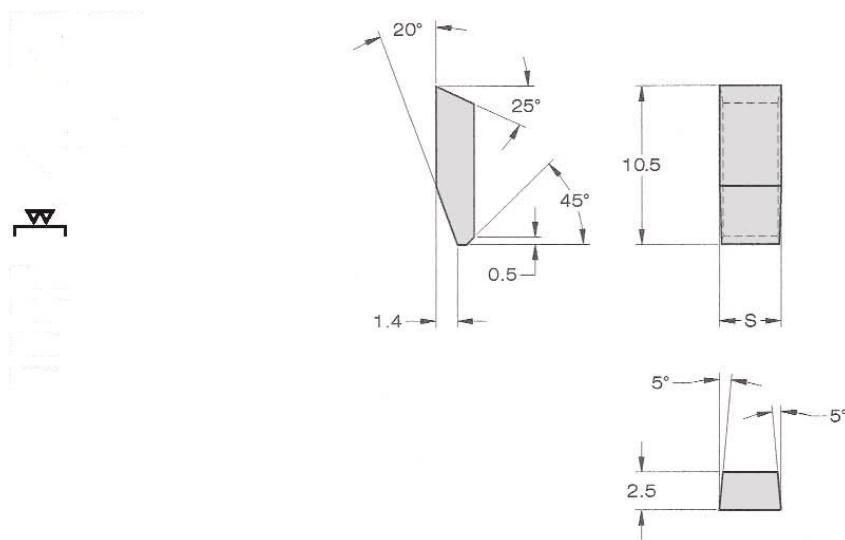
CODE	S
D 80 - 2.2	2,2
D 80 - 3	3,0
D 80 - 3.3	3,3
D 80 - 3.7	3,7
D 80 - 4	4,0
D 80 - 4.3	4,3
D 80 - 4.5	4,5
D 80 - 5.5	5,5

D 80

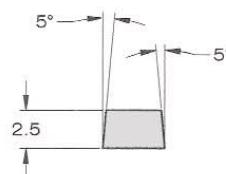
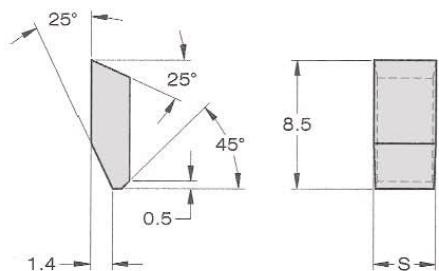
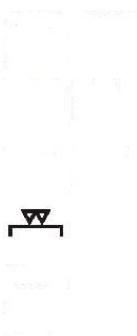


DIMENSIONS (mm)

CODE	S
D 80 - 8.5	8,5
D 80 - 9.5	9,5
D 80 - 10.5	10,5

D 81

CODE	DIMENSIONS (mm)	
	S	
D 81 - 3	3,0	
D 81 - 3,4	3,4	
D 81 - 3,7	3,7	
D 81 - 4	4,0	
D 81 - 4,3	4,3	
D 81 - 4,5	4,5	
D 81 - 5	5,0	
D 81 - 5,5	5,5	
D 81 - 6	6,0	
D 81 - 6,5	6,5	



CODE	DIMENSIONS (mm)	
	S	
D 82 - 2,5	2,5	
D 82 - 3	3,0	
D 82 - 3,4	3,4	
D 82 - 3,7	3,7	
D 82 - 4	4,0	
D 82 - 4,3	4,3	
D 82 - 4,5	4,5	
D 82 - 5	5,0	
D 82 - 6	6,0	
D 82 - 7	7,0	
D 82 - 8	8,0	
D 82 - 9	9,0	
D 82 - 10	10,0	
D 82 - 11	11,0	
D 82 - 13	13,0	
D 82 - 15	15,0	
D 82 - 17	17,0	



**ALL TUNGSTEN CARBIDE TIPS AND TEETH CAN BE
SUPPLIED ACCORDING TO CUSTOMER'S REQUIREMENT**

5-4

4

COLTELLINI
CUTTING KNIVES



WP1FC

 FRESATURA
MILLING

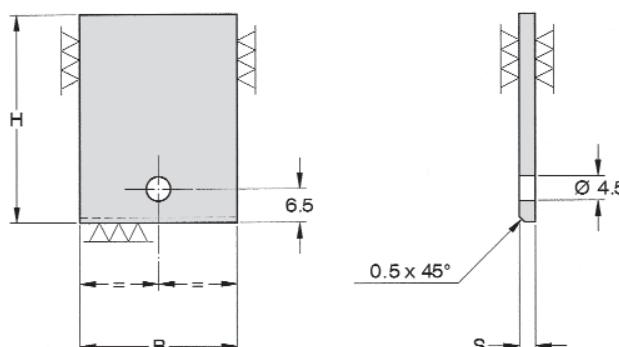
 LEGNO
WOOD

 RETTIFICATO
GROUND



WH15

WH01



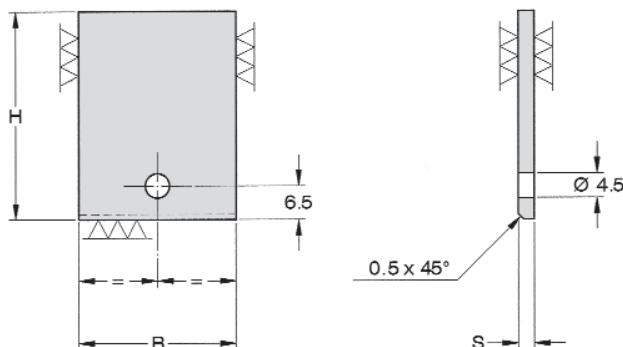
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP1FC1	15	15	2
WP1FC2	15	20	2
WP1FC3	15	25	2
WP1FC4	15	30	2
WP1FC23	16	20	2
WP1FC5	20	20	2
WP1FC6	20	25	2
WP1FC7	20	30	2
WP1FC8	20	35	2
WP1FC9	25	20	2
WP1FC10	25	25	2
WP1FC11	25	30	2
WP1FC12	25	35	2
WP1FC13	30	20	2
WP1FC14	30	25	2
WP1FC15	30	30	2
WP1FC16	30	35	2
WP1FC17	30	40	2
WP1FC18	35	20	2
WP1FC19	35	25	2
WP1FC20	35	30	2
WP1FC21	35	35	2
WP1FC22	35	40	2

CUTTING KNIVES

FRESATURA
MILLINGLEGNO
WOODRETIFICATO
GROUND

WH15

WH01

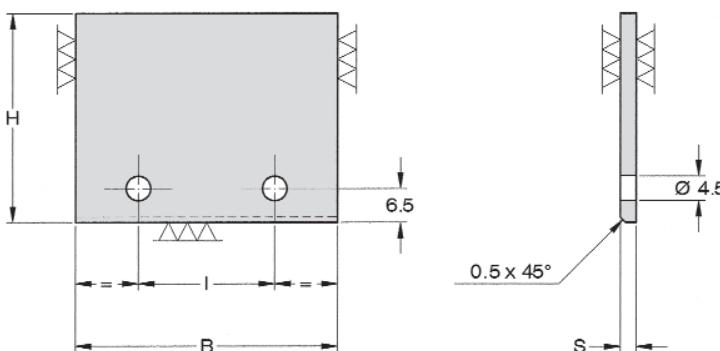


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP1FD1	20	35	3
WP1FD2	30	30	3
WP1FD3	30	35	3
WP1FD4	30	40	3
WP1FD5	35	30	3
WP1FD6	35	35	3
WP1FD7	35	40	3



WP2FC

-  FRESATURA
MILLING
-  LEGNO
WOOD
-  RETTIFICATO
GROUND
- 
- WH15
- WH01



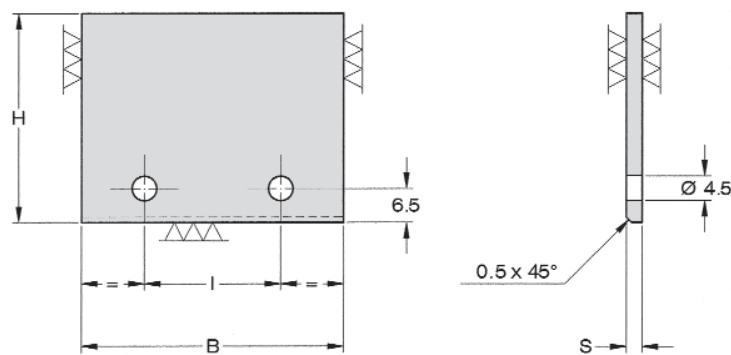
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FC1	30	20	14	2
WP2FC2	30	25	14	2
WP2FC3	30	30	14	2
WP2FC4	30	35	14	2
WP2FC5	30	40	14	2
WP2FC28	35	20	14	2
WP2FC6	35	25	14	2
WP2FC7	35	30	14	2
WP2FC8	35	35	14	2
WP2FC9	35	40	14	2
WP2FC10	40	20	26	2
WP2FC11	40	25	26	2
WP2FC13	40	30	26	2
WP2FC14	40	35	26	2
WP2FC15	40	40	26	2
WP2FC12	40	45	26	2
WP2FC16	50	20	26	2
WP2FC17	50	25	26	2
WP2FC18	50	30	26	2
WP2FC19	50	35	26	2
WP2FC20	50	40	26	2
WP2FC21	60	20	26	2
WP2FC22	60	30	26	2
WP2FC23	60	35	26	2
WP2FC24	60	40	26	2

CUTTING
COATINGS
CUTTING KNIVES

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FC29	80	20	26	2
WP2FC30	80	25	26	2
WP2FC25	80	30	26	2
WP2FC26	80	35	26	2
WP2FC27	80	40	26	2

WP2FD

- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
- WH15
- WH01



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FD1	40	30	26	3
WP2FD2	40	35	26	3
WP2FD3	40	40	26	3
WP2FD4	60	30	26	3
WP2FD5	60	35	26	3
WP2FD6	60	40	26	3
WP2FD20	80	20	26	3
WP2FD7	80	30	26	3
WP2FD8	80	35	26	3
WP2FD9	80	40	26	3

WP1F

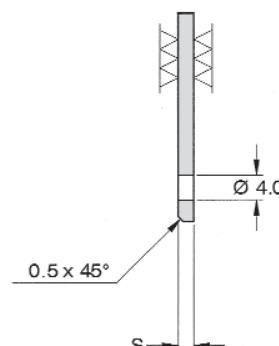
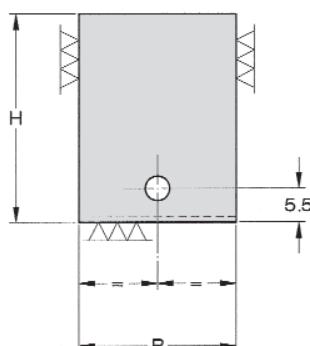
 FRESATURA
MILLING

 LEGNO
WOOD

 RETTIFICATO
GROUND

WH15

WHO1



CODICE
CODE

DIMENSIONI - DIMENSIONS (mm)

B

H

S

WP1F1

26

25

2

CUTTING
COATING
KNIVES

WP1FL ...

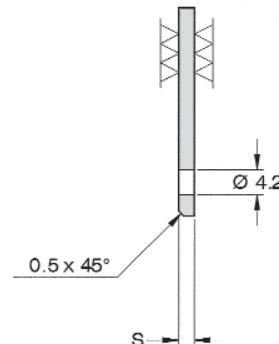
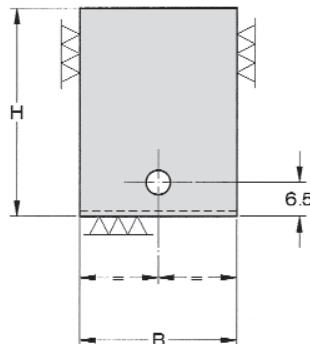
 FRESATURA
MILLING

 LEGNO
WOOD

 RETTIFICATO
GROUND

WH15

WHO1



CODICE
CODE

DIMENSIONI - DIMENSIONS (mm)

B

H

S

WP1FL3

20

26

2

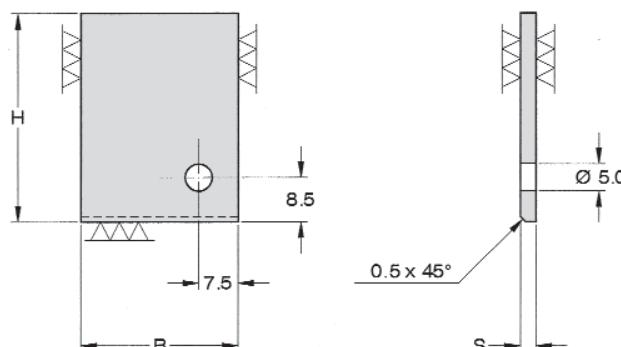
WP1FL4

25

31

WP1FL ...

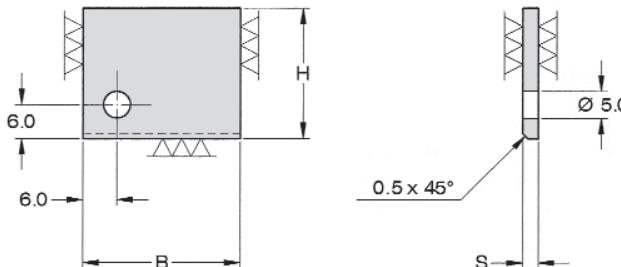
- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
- WH15
- WH01



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP1FL5	25	31	2
WP1FL6	27	31	2

WP1F ...

- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
- WH15
- WH01



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP1F2	25,5	20	2

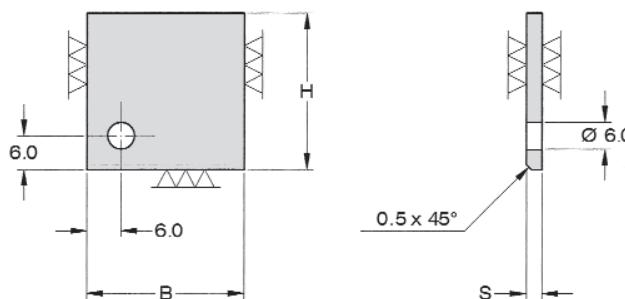
WP1F ...

 FRESATURA
MILLING

 LEGNO
WOOD

 RETTIFICATO
GROUND

WH15
WHO1



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP1F3	28	13	2,5
WP1F4	28	19	2,5
WP1F5	28	28	2,5

CUTTING KNIVES

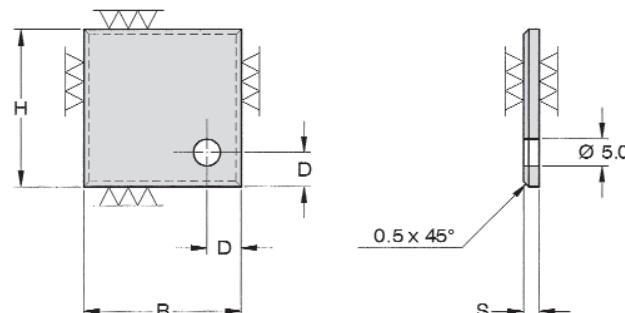
WP1FL ...

 FRESATURA
MILLING

 LEGNO
WOOD

 RETTIFICATO
GROUND

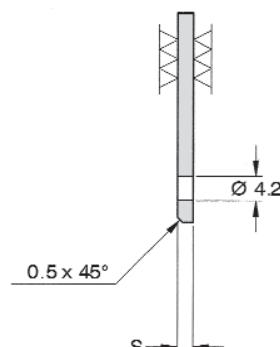
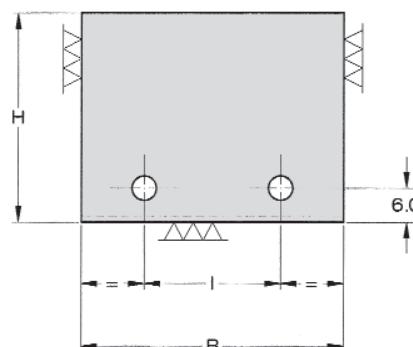
WH15
WHO1



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	D	S
WP1FL1	20,5	20,5	5	2
WP1FL2	25,5	25,5	6	2

WP2FL ...

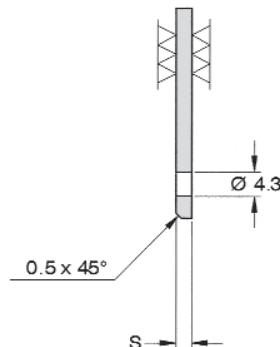
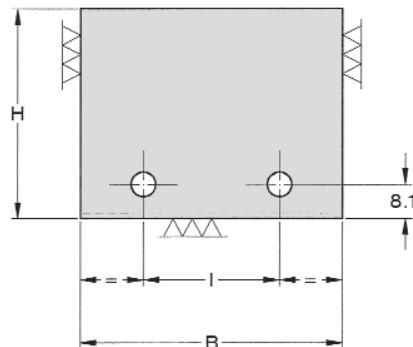
- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
- WH15
- WH01



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FL10	30	30	14	2
WP2FL11	50	27	26	2

WP2F ...

- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
- WH15
- WH01

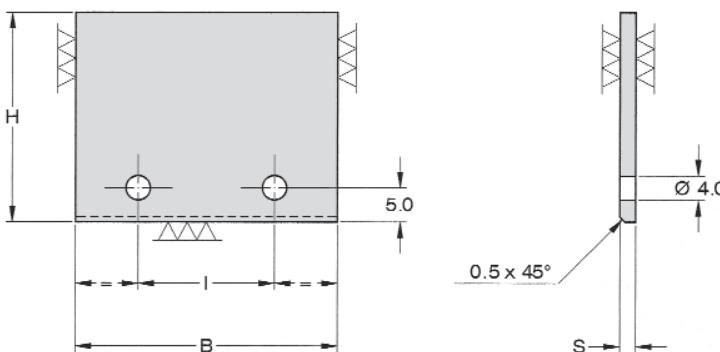


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2F1	41	35	19,7	3

WP2FL ...



WH15
WH01

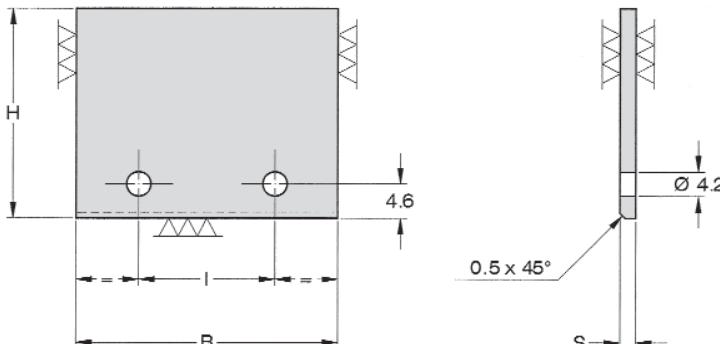


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FL9	40	16	15	2

WP2FL ...



WH15
WH01

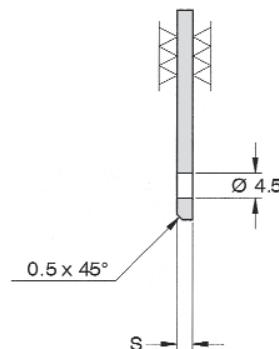
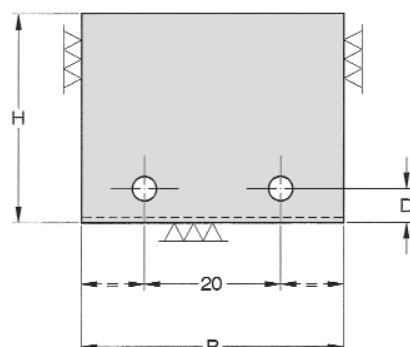


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FL1	30	27	19	2
WP2FL2	30	40	19	2
WP2FL3	35	27	19	2
WP2FL4	40	27	19	2
WP2FL5	40	40	19	2
WP2FL6	40	27	28	2
WP2FL7	50	27	26	2
WP2FL8	60	40	26	2

CUTTING KNIVES

WP2F ...

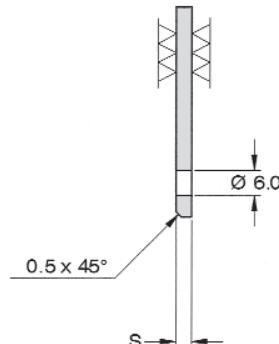
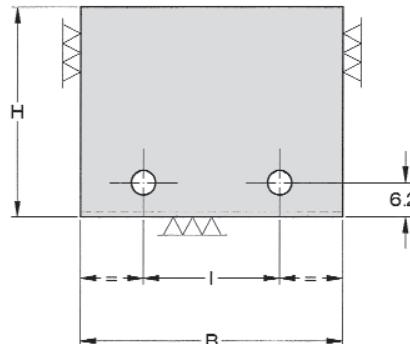
- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
- WH15
- WH01



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	D	S
WP2F3	42	23	4,8	2
WP2F4	42	33	5,2	2

WP2F ...

- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
- WH15
- WH01

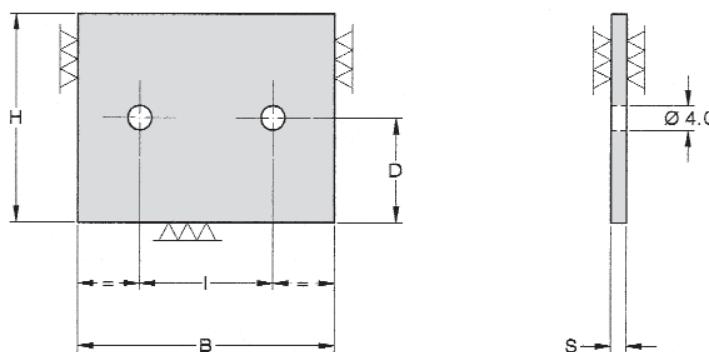


CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2F2	58	23	22,7	3

WP2F ...



WH15
WHO1



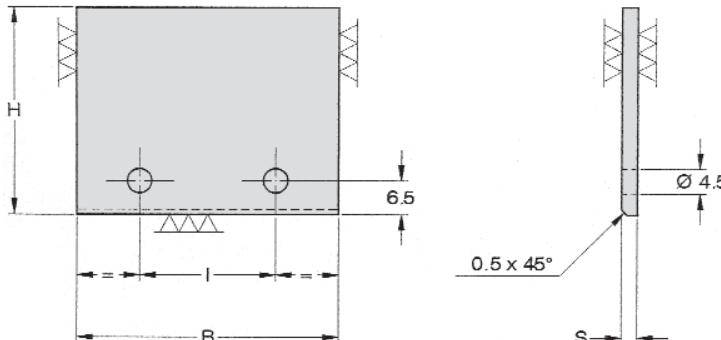
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)				
	B	H	I	D	S
WP2FC50	45	35	26	17,5	2

CUTTING KNIVES

WP2F ...

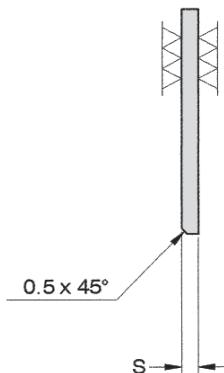
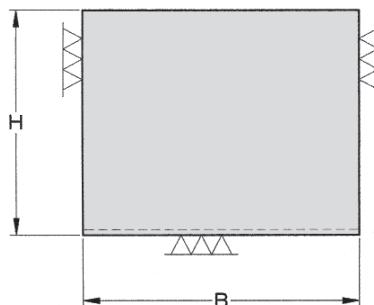


WH15
WHO1



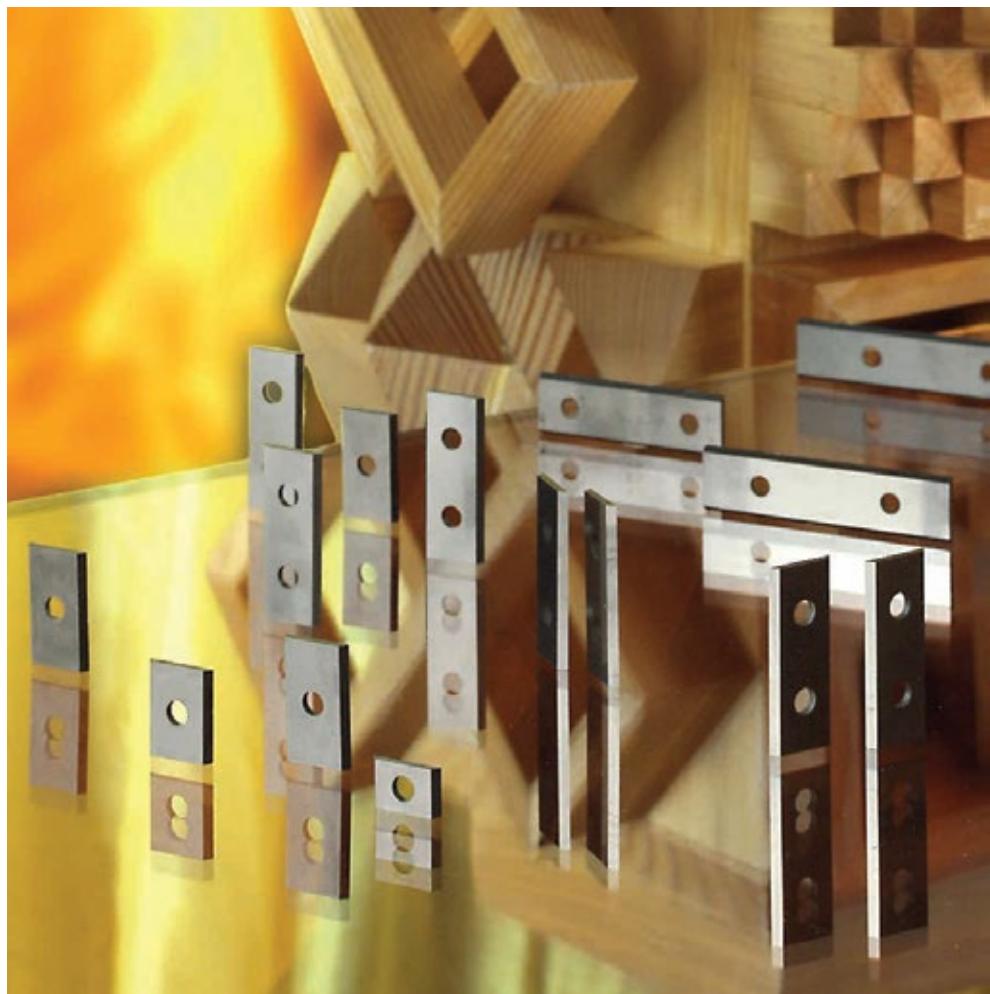
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FC70	30	30	19	2

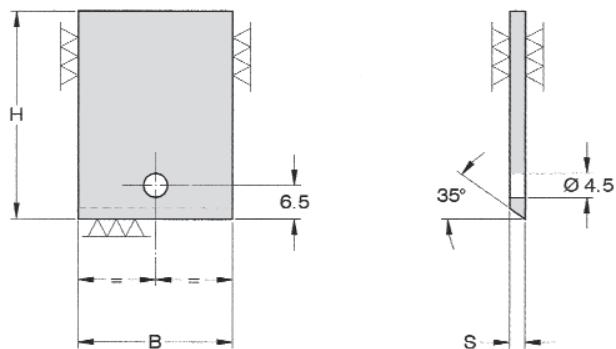
-  FRESATURA
MILLING
 -  LEGNO
WOOD
 -  RETTIFICATO
GROUND
- WH15
WH01



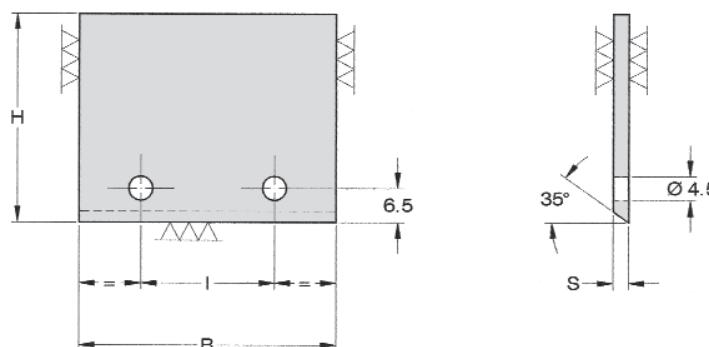
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP151520	15,0	15,5	2,0
WP152020	15,0	20,5	2,0
WP202020	20,0	20,5	2,0
WP202520	20,0	25,5	2,0
WP203020	20,0	30,5	2,0
WP203520	20,0	35,5	2,0
WP252020	25,0	20,5	2,0
WP252520	25,0	25,5	2,0
WP253020	25,0	30,5	2,0
WP253520	25,0	35,5	2,0
WP302020	30,0	20,5	2,0
WP302520	30,0	25,5	2,0
WP303020	30,0	30,5	2,0
WP303520	30,0	35,5	2,0
WP304020	30,0	40,5	2,0
WP352020	35,0	20,5	2,0
WP352520	35,0	25,5	2,0
WP353020	35,0	30,5	2,0
WP354020	35,0	40,5	2,0
WP402020	40,0	20,5	2,0
WP402520	40,0	25,5	2,0
WP403020	40,0	30,5	2,0
WP403520	40,0	35,5	2,0
WP404020	40,0	40,5	2,0
WP453020	45,0	30,5	2,0
WP453520	45,0	35,5	2,0
WP502020	50,0	20,5	2,0

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP502520	50,0	25,5	2,0
WP503020	50,0	30,5	2,0
WP504020	50,0	40,5	2,0
WP504520	50,0	45,5	2,0
WP602020	60,0	20,5	2,0
WP602520	60,0	25,5	2,0
WP603020	60,0	30,5	2,0
WP603520	60,0	35,5	2,0
WP604020	60,0	40,5	2,0
WP802525	80,0	25,5	2,5
WP803525	80,0	35,5	2,5
WP804525	80,0	45,5	2,5



WH15
WH01

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)		
	B	H	S
WP1FB1	15	15	2
WP1FB2	15	20	2
WP1FB3	15	25	2
WP1FB4	15	30	2
WP1FB23	16	20	2
WP1FB5	20	20	2
WP1FB6	20	25	2
WP1FB7	20	30	2
WP1FB8	20	35	2
WP1FB9	25	20	2
WP1FB10	25	25	2
WP1FB11	25	30	2
WP1FB12	25	35	2
WP1FB13	30	20	2
WP1FB14	30	25	2
WP1FB15	30	30	2
WP1FB16	30	35	2
WP1FB17	30	40	2
WP1FB18	35	20	2
WP1FB19	35	25	2
WP1FB20	35	30	2
WP1FB21	35	35	2
WP1FB22	35	40	2

WH15
WH01

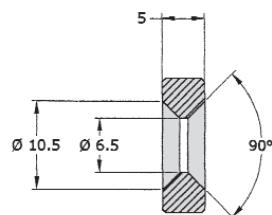
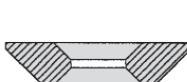
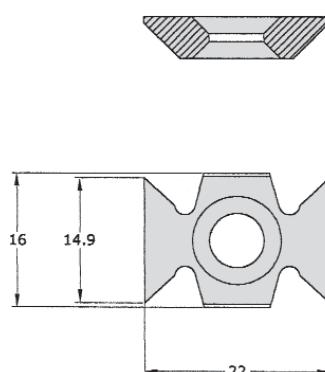
CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FB1	30	20	14	2
WP2FB2	30	25	14	2
WP2FB3	30	30	14	2
WP2FB4	30	35	14	2
WP2FB5	30	40	14	2
WP2FB28	35	20	14	2
WP2FB6	35	25	14	2
WP2FB7	35	30	14	2
WP2FB8	35	35	14	2
WP2FB9	35	40	14	2
WP2FB10	40	20	26	2
WP2FB11	40	25	26	2
WP2FB13	40	30	26	2
WP2FB14	40	35	26	2
WP2FB15	40	40	26	2
WP2FB12	40	45	26	2
WP2FB16	50	20	26	2
WP2FB17	50	25	26	2
WP2FB18	50	30	26	2
WP2FB19	50	35	26	2
WP2FB20	50	40	26	2
WP2FB21	60	20	26	2
WP2FB22	60	30	26	2
WP2FB23	60	35	26	2
WP2FB24	60	40	26	2

CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	B	H	I	S
WP2FB29	80	20	26	2
WP2FB30	80	25	26	2
WP2FB25	80	30	26	2
WP2FB26	80	35	26	2
WP2FB27	80	40	26	2

WXP 0330 G

- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
-

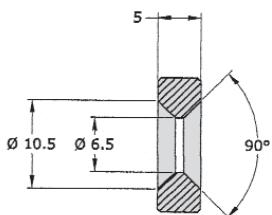
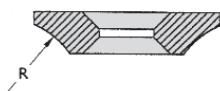
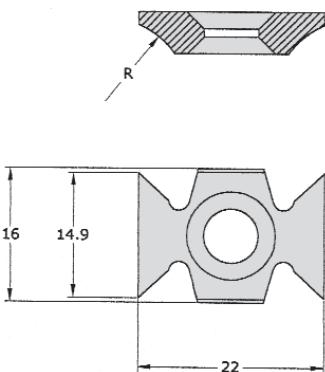
WH01



WXP 0330 R

- FRESATURA
MILLING
- LEGNO
WOOD
- RETTIFICATO
GROUND
-

WH01



R

1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
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WPS1215



FRESATURA
MILLING



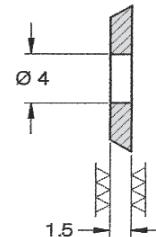
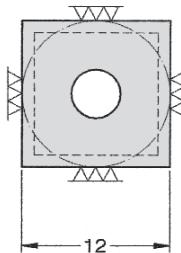
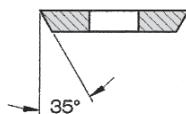
LEGNO
WOOD



RETTIFICATO
GROUND



WH01



CUTTING COIN LINER
KNIVES

WPS14 ...



FRESATURA
MILLING

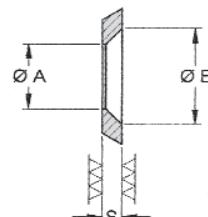
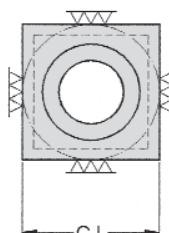
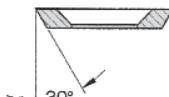


LEGNO
WOOD



RETTIFICATO
GROUND

WH01



CODICE CODE	DIMENSIONI - DIMENSIONS (mm)			
	C.I.	S	ØA	ØB
WPS1412	14	1,2	8,7	10,2
WPS1420	14	2,0	6,7	10,0

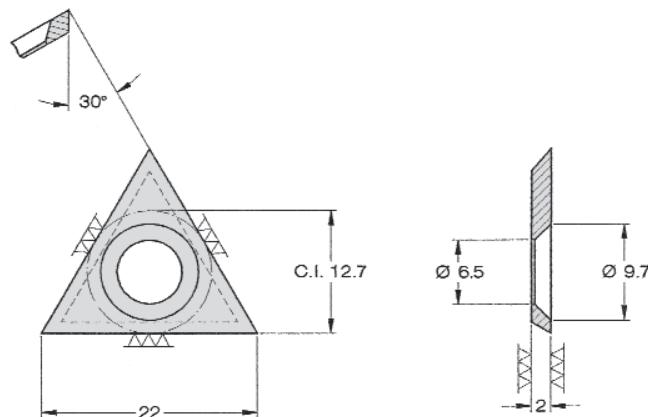
CUTTING COATINGS

KNIVES

WPT2220

-  FRESATURA
MILLING
-  LEGNO
WOOD
-  RETTIFICATO
GROUND

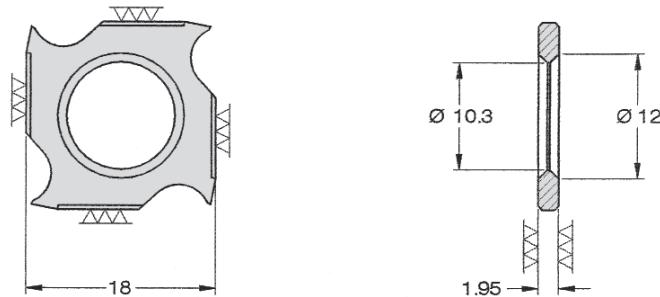
WH01



WPS1819

-  FRESATURA
MILLING
-  LEGNO
WOOD
-  RETTIFICATO
GROUND

WH01



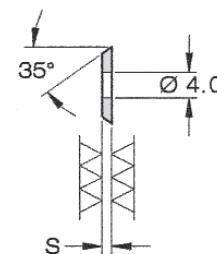
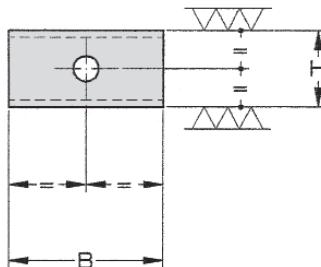
WP1F ...

 FRESATURA
MILLING

 LEGNO
WOOD

 RETTIFICATO
GROUND

KZ08



CODICE
CODE

DIMENSIONI - DIMENSIONS (mm)

WP1FC007

B

H

S

7,65

12

1,5

WP1FC009

9

12

1,5

WP1FC015

15

12

1,5

WP1FC020

20

12

1,5

CUTTING KNIVES

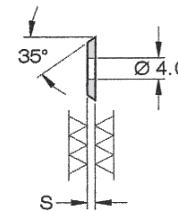
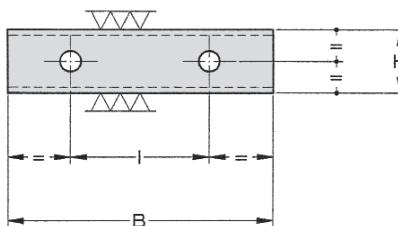
WP2F ...

 FRESATURA
MILLING

 LEGNO
WOOD

 RETTIFICATO
GROUND

KZ08



CODICE
CODE

DIMENSIONI - DIMENSIONS (mm)

WP2FC030

B

H

I

S

30

12

14

1,5

WP2FC040

40

12

26

1,5

WP2FC050

50

12

26

1,5

WP2FC060

60

12

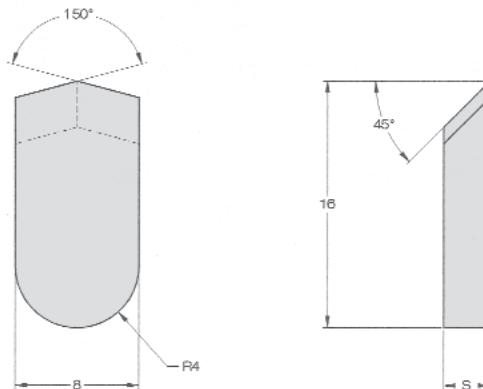
26

1,5

WXP - 0256

WH2

-  FRESURA
MILLING
-  LEGNO
WOOD
-  GREZZO
ROUGH
- 



CODICE
CODE

WXP - 0256

DIMENSIONI - DIMENSIONS(mm)

S

S. max

3,0

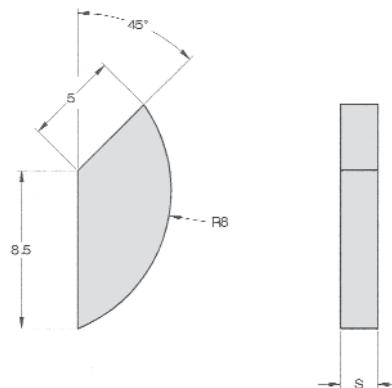
7,0

PLACCETTE PER LEGNO
WOOD TIPS

WXP - 0263

WH2
WN090

-  FRESURA
MILLING
-  LEGNO
WOOD
-  GREZZO
ROUGH
- 



CODICE
CODE

WXP - 0263

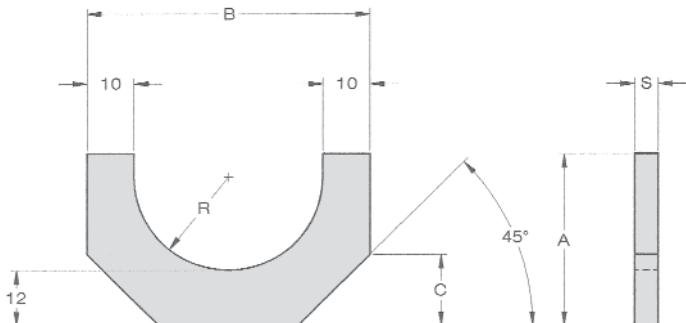
DIMENSIONI - DIMENSIONS(mm)

S

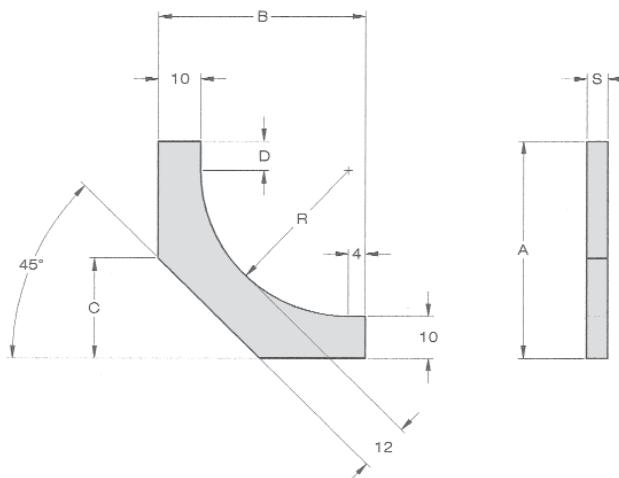
S. max

2,0

7,0

FRESATURA
MILLINGLEGNO
WOODGREZZO
ROUGHWH2
WN090

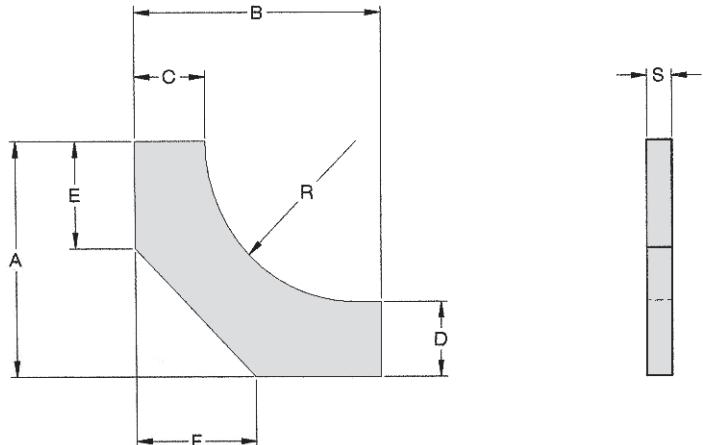
CODICE CODE	DIMENSIONI - DIMENSIONS(mm)				
	A	B	C	S	R
WXPL - 1 - 001	21,0	30,0	8,8	5,0	5,0
WXPL - 1 - 002	24,0	36,0	10,0	5,0	8,0
WXPL - 1 - 003	28,0	42,0	11,7	5,0	11,0
WXPL - 1 - 004	31,0	48,0	12,9	5,0	14,0
WXPL - 1 - 005	34,0	54,0	14,2	5,0	17,0
WXPL - 1 - 006	37,0	60,0	15,4	5,0	20,0
WXPL - 1 - 007	41,0	66,0	17,1	5,0	23,0
WXPL - 1 - 008	44,0	72,0	18,3	5,0	26,0
WXPL - 1 - 009	47,0	78,0	19,6	5,0	29,0
WXPL - 1 - 010	50,0	84,0	20,8	5,0	32,0
WXPL - 1 - 011	54,0	90,0	22,5	5,0	35,0
WXPL - 1 - 012	57,0	96,0	23,8	5,0	38,0
WXPL - 1 - 013	60,0	102,0	25,0	5,0	41,0
WXPL - 1 - 014	63,0	108,0	26,3	5,0	44,0
WXPL - 1 - 015	67,0	114,0	27,9	5,0	47,0
WXPL - 1 - 016	70,0	120,0	29,2	5,0	50,0

FRESATURA
MILLINGLEGNO
WOODGREZZO
ROUGHWH2
WN090

CODICE CODE	DIMENSIONI - DIMENSIONS(mm)					
	A	B	C	D	S	R
WXPL - 2 - 001	19,0	19,0	6,0	4,0	5,0	5,0
WXPL - 2 - 002	22,0	22,0	7,0	4,0	5,0	8,0
WXPL - 2 - 003	26,0	25,0	9,0	5,0	5,0	11,0
WXPL - 2 - 004	29,0	28,0	11,0	5,0	5,0	14,0
WXPL - 2 - 005	32,0	31,0	13,0	5,0	5,0	17,0
WXPL - 2 - 006	36,0	34,0	15,0	6,0	5,0	20,0
WXPL - 2 - 007	39,0	37,0	17,0	6,0	5,0	23,0
WXPL - 2 - 008	42,0	40,0	19,0	6,0	5,0	26,0
WXPL - 2 - 009	45,0	43,0	20,0	6,0	5,0	29,0
WXPL - 2 - 010	49,0	46,0	21,0	7,0	5,0	32,0
WXPL - 2 - 011	52,0	49,0	24,0	7,0	5,0	35,0
WXPL - 2 - 012	55,0	52,0	25,0	7,0	5,0	38,0
WXPL - 2 - 013	58,0	55,0	26,0	7,0	5,0	41,0

WXP - ...

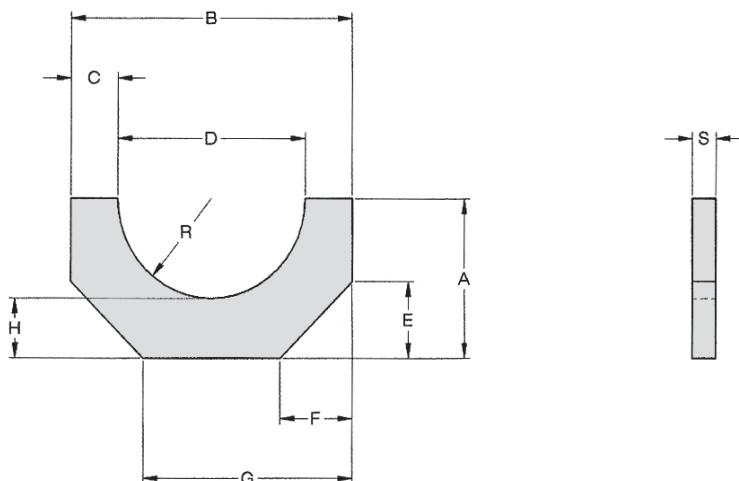
-  FRESATURA
MILLING
-  LEGNO
WOOD
-  GREZZO
ROUGH
-  WH2



CODICE CODE	DIMENSIONI - DIMENSIONS(mm)							
	A	B	C	D	E	F	R	S
WXP - 0377	28	25	10	13	15	10	15	3-4-5
WXP - 0378	33	30	10	13	18	15	20	3-4-5
WXP - 0352	38	35	10	13	20	15	25	3-4-5
WXP - 0375	39	39	14	14	20	19	25	3-4-5
WXP - 0379	41	40	10	13	22	20	30	3-4-5
WXP - 0376	44	49	14	14	20	24	30	3-4-5
WXP - 0380	55	50	12	14	30	20	35	3-4-5

FRESATURA
MILLINGLEGNO
WOODGREZZO
ROUGH

WH2



CODICE CODE	DIMENSIONI - DIMENSIONS(mm)										
	A	B	C	D	E	F	G	H	R	S	
WXP - 646	17	22	7	8	8	8	14	13	4	3-4-5	
WXP - 620	21	30	10	10	9	9	21	12	5	3-4-5	
WXP - 618	24	36	10	16	10	10	26	12	8	3-4-5	
WXP - 640	27	40	10	20	11	11	29	12	10	3-4-5	
WXP - 639	23	37	7,5	22	7,5	7,5	29,5	12	11	3-4-5	
WXP - 637	30	45	10,5	24	10	10	35	13	12	3-4-5	
WXP - 629	31	48	10	28	13,5	13,5	34,5	12	14	3-4-5	
WXP - 638	29	47	7,5	32	7,5	7,5	39,5	13	16	3-4-5	
WXP - 619	34	54	10	34	14,5	14,5	39,5	12	17	3-4-5	
WXP - 621	37	60	10	40	15,5	15,5	44,5	12	20	3-4-5	
WXP - 633	40	66	10	46	17	17	49	12	23	3-4-5	
WXP - 630	43	70	10	50	18	18	52	12	25	3-4-5	
WXP - 632	44	74	10	54	19	19	55	12	27	3-4-5	
WXP - 614	49	82	12	58	21	21	61	14	29	3-4-5	



FRESTURA
MILLING

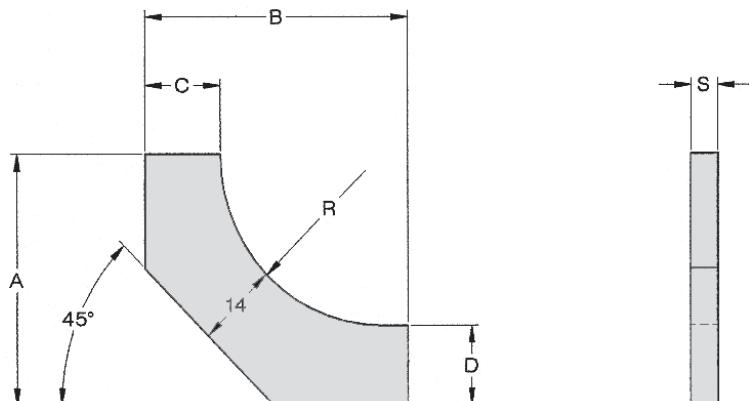


LEGNO
WOOD



GREZZO
ROUGH

WH2



CODICE CODE	DIMENSIONI - DIMENSIONS(mm)					
	A	B	C	D	R	S
WXP - 645	21	19	10	12	5	3-4-5
WXP - 644	24	22	10	12	8	3-4-5
WXP - 615	28	25	10	12	11	3-4-5
WXP - 642	30	27	10	12	13	3-4-5
WXP - 631	31	28	10	12	14	3-4-5
WXP - 641	35	31	10	12	17	3-4-5
WXP - 636	38	34	10	12	20	3-4-5
WXP - 627	41	37	10	12	23	3-4-5
WXP - 634	44	40	10	12	26	3-4-5
WXP - 635	46	42	10	12	28	3-4-5
WXP - 617	49	46	12	12	30	3-4-5
WXP - 628	51	48	12	12	32	3-4-5
WXP - 616	56	53	12	12	37	3-4-5
WXP - 612	63	60	12	12	44	3-4-5
WXP - 649	70	66	12	12	50	3-4-5

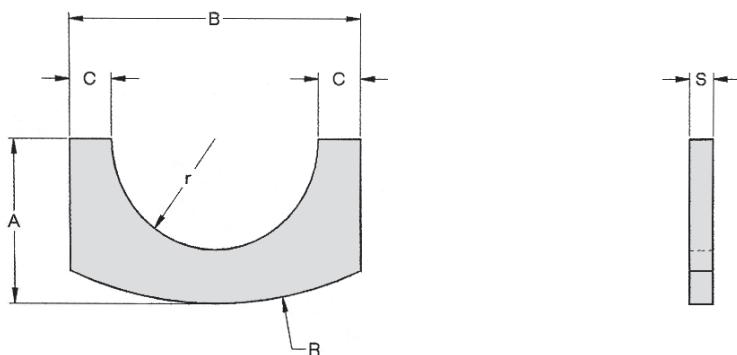
WXP - ...

 FRESURA
MILLING

 LEGNO
WOOD

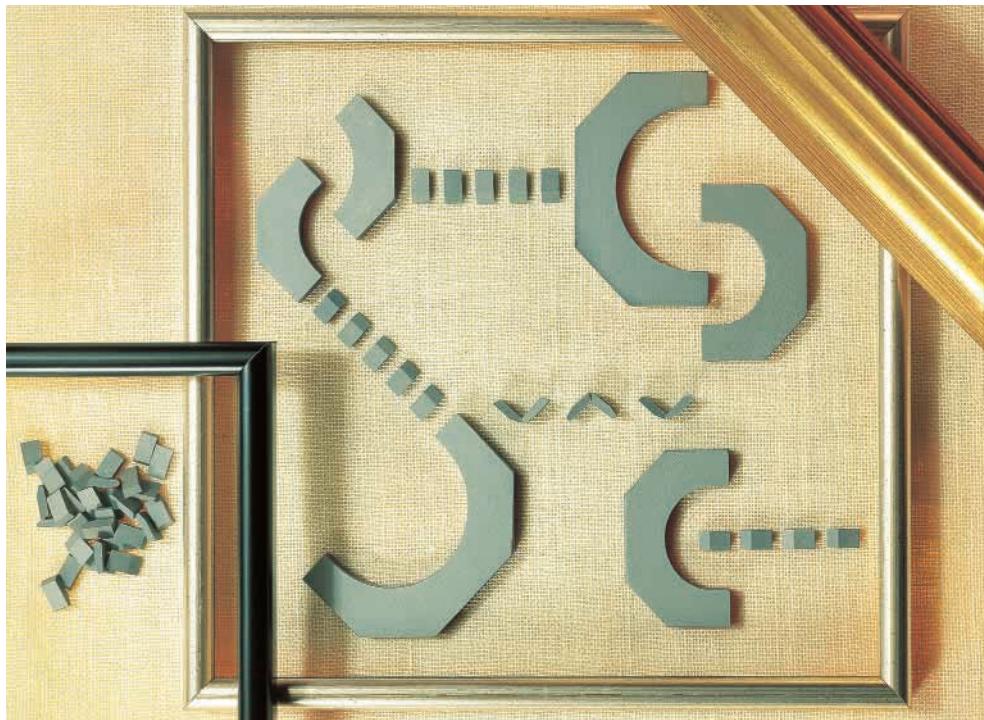
 GREZZO
ROUGH

 WH2



PLACCHE PER LEGNO
WOOD TIPS

CODICE CODE	DIMENSIONI - DIMENSIONS(mm)					
	A	B	C	D	R	S
WXP - 653	7,3	16	3	5	15	3-4-5
WXP - 667	9	18	3	6	15	3-4-5
WXP - 687	11	21	3	7,5	25,4	3-4-5
WXP - 626	14	26	3	10	26	3-4-5





FRESTURA
MILLING

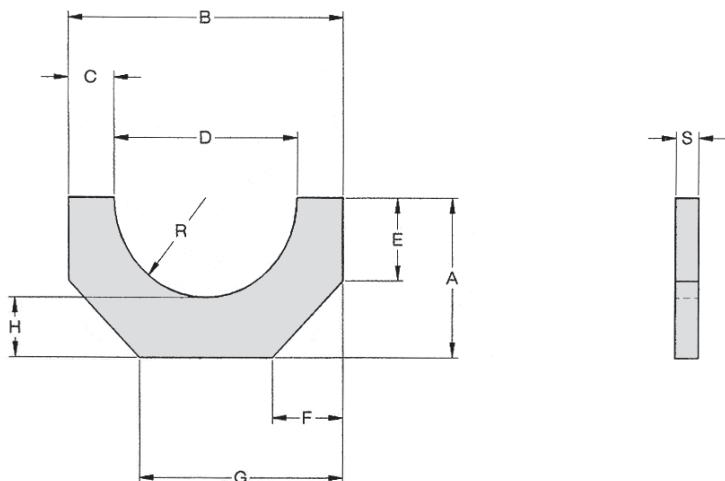


LEGNO
WOOD



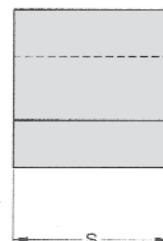
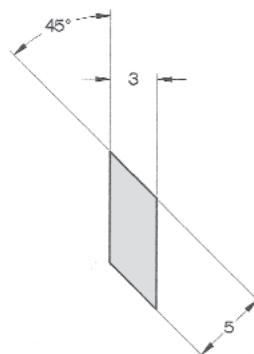
GREZZO
ROUGH

WH2



CODICE CODE	DIMENSIONI - DIMENSIONS(mm)										
	A	B	C	D	E	F	G	H	R	S	
WXP - 0369	23	36	10	16	10	8	28	15	8	3-4-5	
WXP - 0370	23	41	10	21	13	10	31	12,5	10,5	3-4-5	
WXP - 0371	25	46	10	26	15	10	36	12	13	3-4-5	
WXP - 0372	28	51	10	31	15	13	38	12,5	15,5	3-4-5	
WXP - 0373	30	56	10	36	15	15	41	12	18	3-4-5	
WXP - 0374	35	64	12	40	20	15	49	15	20	3-4-5	

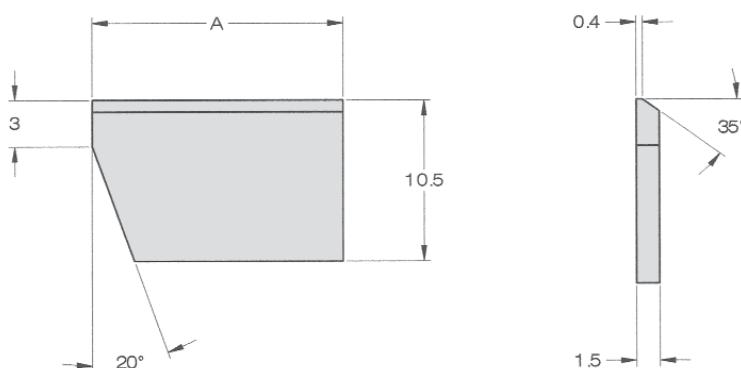
WXP - 0300/...



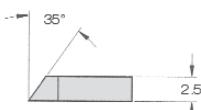
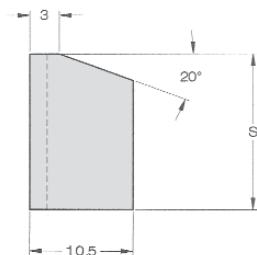
PLACCETTE PER LEGNO
WOOD TIPS

CODICE CODE	DIMENSIONI - DIMENSIONS(mm)	
	S	S. max
WXP - 0300	8,1	21,0
WXP - 1300	10,1	21,0
WXP - 2300	12,1	21,0
WXP - 3300	15,1	21,0
WXP - 4300	18,1	21,0
WXP - 5300	20,1	21,0

WXP - 0297/0265



CODICE CODE	DIMENSIONI - DIMENSIONS(mm)	
	A	
WXP - 0297		11,75
WXP - 0265		16,25

FRESTURA
MILLINGLEGNO
WOODGREZZO
ROUGHWH2
WH15

CODICE CODE	DIMENSIONI - DIMENSIONS(mm)
WXP - 0119	6,50
WXP - 1119	8,00
WXP - 2119	9,00
WXP - 3119	11,75
WXP - 4119	13,75
WXP - 5119	14,00
WXP - 6119	16,00
WXP - 7119	16,25
WXP - 8119	16,40
WXP - 9119	17,00

