



**D** – Für präzise Arbeiten im Werkzeugbau, der Feinmechanik, Schmuckindustrie oder in Ausbildungsstätten. Sie dienen zur Nach- und Feinbearbeitung grob vorgearbeiteter Flächen, um feine und perfekte Oberflächen zu erzielen. Länge A = Hieblänge.

**GB** – For precise workings in tool making, fine mechanics, jewellery industry or training centers. They are perfect for finishing and reworking rough workpieces to result in fine and even surfaces. Length A = Cut length.

**F** – Pour des travaux précis dans la fabrication d'outillages, de la mécanique de précision, de la bijouterie et dans les ateliers de formation. Elles servent pour des travaux fins de surfaces déjà ébauchées grossièrement, afin d'obtenir des surfaces parfaites. Longueur A = Longueur de taille.

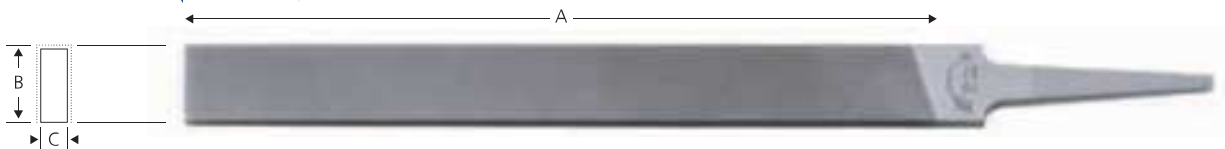
**I** – Per lavori di precisione nella produzione di attrezzi, nella meccanica fine, nell'industria orafa o in centri di formazione. Sono utili alla realizzazione di superfici perfette raffinando superfici preparate grossolanamente. Lunghezza A = Lunghezza del taglio.

**ES** – Para trabajos precisos en la construcción de herramientas, en mecánica de precisión, en la industria de joyería o en los talleres de formación. Sirven para el acabado y la elaboración fina de las superficies burdas, para conseguir superficies lisas, perfectas. Largo A = longitud del picado



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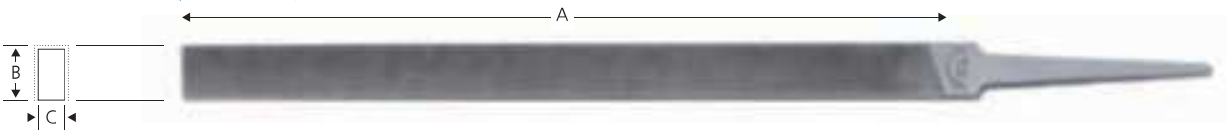
FLACHSTUMPF HAND . PLATE À MAIN . PIATTA . PLANA PARALELA



A		100 mm	125 mm	150 mm	200 mm	250 mm	300 mm
B x C		9,5 x 2,5 mm	12,5 x 3,2 mm	16 x 4 mm	21,3 x 4,8 mm	25,3 x 6,3 mm	29,3 x 7,8 mm
Hieb/Cut	1	1112 1010	1112 1210	1112 1510	1112 2010	1112 2511	1112 3011
Taille/Taglio	2	1112 1020	1112 1220	1112 1520	1112 2020	1112 2522	1112 3022
Picado	3	1112 1030	1112 1230	1112 1530	1112 2030	1112 2533	1112 3033
	4	1112 1040	1112 1240	1112 1540	1112 2040	1112 2540	
	5	1112 1050		1112 1550	1112 2050		
	6			1112 1560			

ART-NR. / 1113

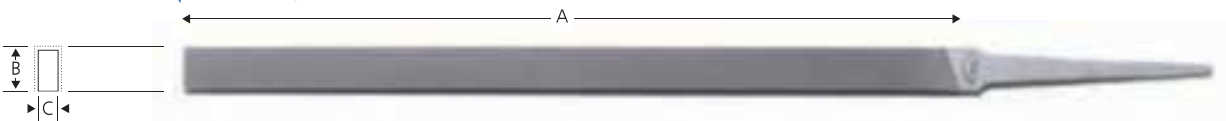
STIFTENFEILE HALBSCHMAL PILLAR FILE . LIME PILIER SEMI-ÉTROITE . LIMA PIATTA SEMI STRETTA  
LIMA PLANA PARALELA MEDIA ESTRECHA



A		150 mm	200 mm	250 mm
B x C		12 x 4 mm	14,5 x 4,5 mm	17,5 x 5,3 mm
Hieb/Cut	1	1113 1510	1113 2010	1113 2510
Taille/Taglio	2	1113 1520	1113 2020	1113 2520
Picado	3	1113 1530	1113 2030	1113 2530
	4	1113 1540		

ART-NR. / 1114

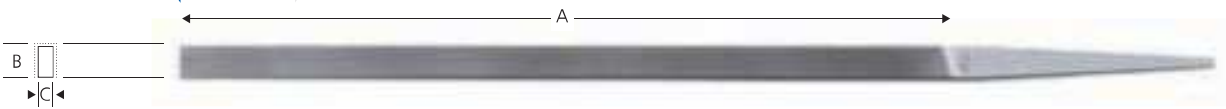
STIFTENFEILE SCHMAL PILLAR FILE NARROW . LIME PILIER ÉTROITE . LIMA PIATTA STRETTA  
LIMA PLANA PARALELA ESTRECHA



A		125 mm	150 mm	200 mm	250 mm	300 mm
B x C		8 x 3 mm	8,3 x 3,8 mm	12 x 4 mm	15 x 5 mm	18 x 5 mm
Hieb/Cut	1	1114 1210	1114 1510	1114 2010	1114 2510	1114 3010
Taille/Taglio	2	1114 1220	1114 1520	1114 2020	1114 2520	
Picado	3	1114 1230	1114 1530	1114 2030	1114 2530	1114 3030
	4		1114 1540	1114 2040		

ART-NR. / 1115

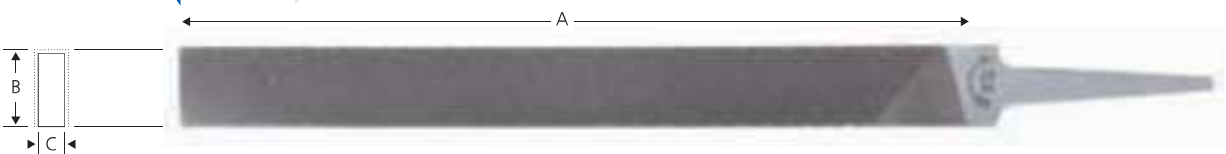
STIFTENFEILE BESONDERS SCHMAL PILLAR FILE EXTRA NARROW . LIME PILIER TRÈS ÉTROITE  
LIMA PIATTA PARTICOLARMENTE STRETTA . LIMA PLANA PARALELA MUY ESTRECHA



A		100 mm	125 mm	150 mm	200 mm	250 mm	300 mm
B x C		4,6 x 2,2 mm	5,5 x 2,5 mm	8 x 3 mm	8,3 x 3,8 mm	12 x 4 mm	15 x 5 mm
Hieb/Cut	1	1115 1010	1115 1210	1115 1510	1115 2010	1115 2510	1115 3010
Taille/Taglio	2	1115 1020	1115 1220	1115 1520	1115 2020	1115 2520	
Picado	3	1115 1030	1115 1230	1115 1530	1115 2030	1115 2530	1115 3030
	4			1115 1540	1115 2040		

ART-NR. / 1107

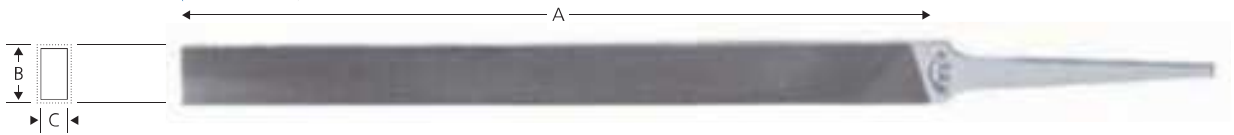
FLACHSTUMPF DÜNN HAND THIN . PLATE À MAIN CARRELETTE MINCE . PIATTA SOTTILE  
PLANA PARALELA DELGADA



A		125 mm	150 mm
B x C		14,5 x 1,7 mm	16,5 x 2 mm
Hieb/Cut	2	1107 1220	1107 1520
Taille/Taglio			
Picado			

ART-NR. / 1118

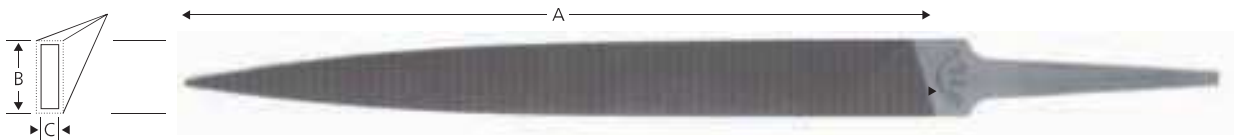
**FLACHE AUSGLEICHSEILE** EQUALLING FILE . LIME EGALIR . LIMA PIATTA PER AGGIUSTATORI  
LIMA DE IGUALAR



A	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
B x C	10 x 0,3 mm	10 x 0,38 mm	10 x 0,46 mm	10 x 0,56 mm	10 x 0,81 mm	10 x 0,91 mm
Hieb/Cut	3					
Taille/Taglio	4	1118 0340	1118 0430	1118 0530	1118 0630	1118 0830
Picado						1118 1030
A	150 mm	150 mm	150 mm	150 mm		
B x C	16 x 1,2 mm	16 x 1,4 mm	16 x 1,6 mm	16 x 1,8 mm		
Hieb/Cut	3					
Taille/Taglio		1118 1230	1118 1430	1118 1630	1118 1830	
Picado						

ART-NR. / 1126

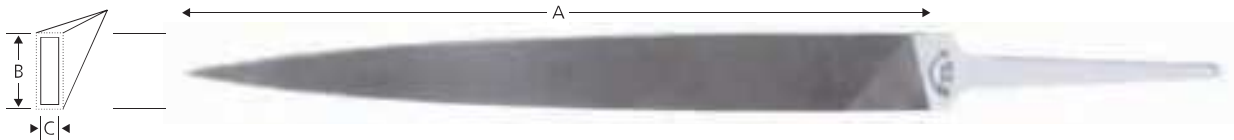
**FLACHSPITZ WARDING** . PLATE POINTUE . PIATTA A PUNTA . PLANA DE PUNTA



A	150 mm	200 mm
B x C	15,4 x 3,5 mm	21,4 x 5 mm
Hieb/Cut	1	1126 2010
Taille/Taglio	2	1126 1520
Picado		

ART-NR. / 1125

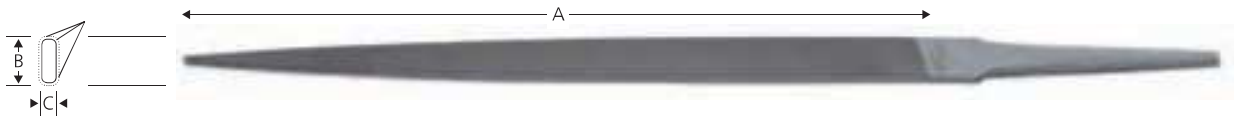
**FLACHSPITZ DÜNN** WARDING THIN . PLATE POINTUE MINCE . PIATTA A PUNTA STRETTA  
PLANA PUNTA DELGADA



A	150 mm	150 mm	200 mm	200 mm
B x C	15,4 x 1,6 mm	16 x 1,8 mm	20 x 2 mm	21,4 x 2,6 mm
Hieb/Cut	1	1125 2010	1125 2000	1125 3010
Taille/Taglio	2	1125 1520	1125 2020	1125 3020
Picado				

ART-NR. / 1121

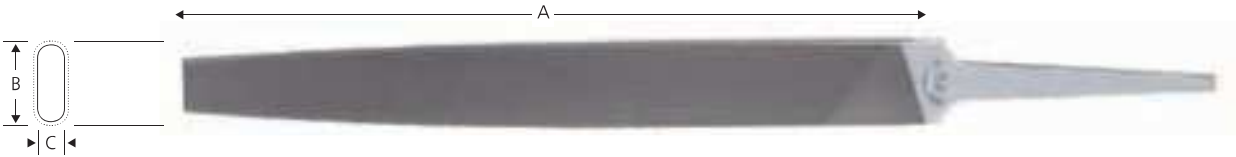
**FLACHSPITZ MIT ABGERUNDETEN SCHMALSEISENEN** CROCHET . PLATE POINTUE À BORDS ROUNDS  
PIATTA A PUNTA CON BORDI STRETTI TONDI . GANCHO



A	150 mm
B x C	10 x 3,3 mm
Hieb/Cut	3
Taille/Taglio	1121 2530
Picado	

ART.-NR. / 1038

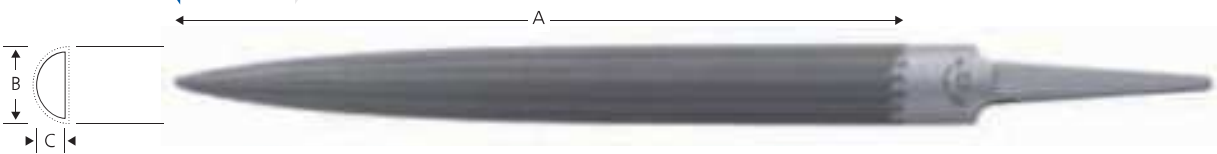
**GABELFEILE MIT ABGERUNDETEN SCHMALSEITEN** FORK FILE ROUNDED EDGES  
 LIME AUX FOURCHETTES, BORDS RONDS . LIMA PER FORCHETTE CON BORDI STRETTI TONDI  
 LIMA PLANA PARA ANCORAS



A	200 mm
B x C	22 x 2 mm
Hieb/Cut	2
Taille/Taglio	1038 2020
Picado	

ART.-NR. / 1156

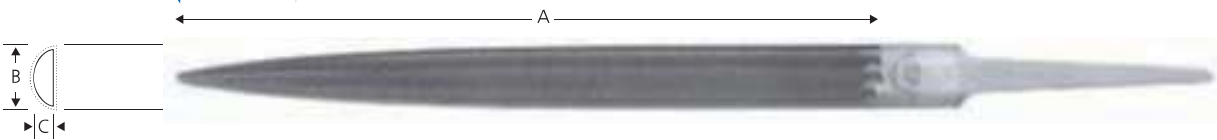
**HALBRUND** HALFROUND . MIRONDE . MEZZA TONDA . MEDIA CAÑA



A	100 mm	125 mm	150 mm	200 mm	250 mm
B x C	12,7 x 3,5 mm	13,1 x 4,1 mm	18 x 5,5 mm	21,1 x 6,3 mm	25,5 x 7,5 mm
Hieb/Cut	1	1156 1010	1156 1210	1156 1510	1156 2010
Taille/Taglio	2	1156 1020	1156 1220	1156 1520	1156 2020
Picado	3	1156 1030	1156 1230	1156 1530	1156 2030
	4	1156 1040	1156 1240	1156 1540	1156 2040
	5		1156 1550		

ART.-NR. / 1155

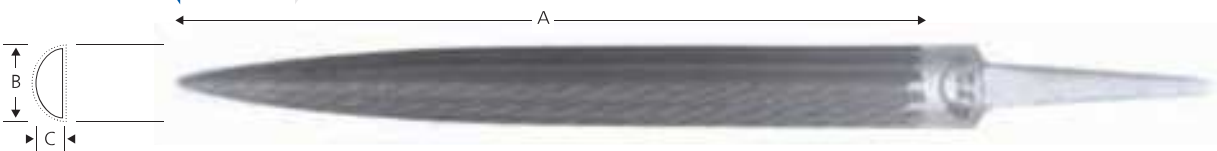
**HALBRUND SCHMAL** HALFROUND NARROW . MIRONDE ÉTROITE . MEZZA TONDA STRETTA  
 MEDIA CAÑA ESTRECHA



A	125 mm	150 mm	200 mm	250 mm
B x C	10 x 3 mm	12,7 x 3,5 mm	15,5 x 4,5 mm	15,5 x 4,5 mm
Hieb/Cut	1		1155 1510	1155 2010
Taille/Taglio	2	1155 1220	1155 1520	1155 2020
Picado	3		1155 1530	1155 2030
	4		1155 1540	1155 2530

ART.-NR. / 1154

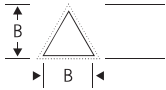
**RINGFEILE HOCHHALBRUND** RING FILE HALFROUND . LIME POUR BAGUES MIRONDE  
 LIMA PER ANELLI MEZZA TONDA . LIMA PARA ANILLOS MEDIA CAÑA



A	150 mm
B x C	15,1 x 4,7 mm
Hieb/Cut	1
Taille/Taglio	2
Picado	3
	4
	5

ART-NR. / 1136

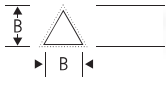
DREIKANT THREESQUARE . TRIANGULAIRE . TRIANGOLARE . TRIANGULAR



A		100 mm	125 mm	150 mm	200 mm	250 mm
B		5,8 mm	8,3 mm	10,3 mm	14,2 mm	17,2 mm
Hieb/Cut	1	1136 1010	1136 1210	1136 1510	1136 2010	1136 2510
Taille/Taglio	2	1136 1020	1136 1220	1136 1520	1136 2020	1136 2520
Picado	3	1136 1030	1136 1230	1136 1530	1136 2030	1136 2530
	4			1136 1540		
	5			1136 1550		

ART-NR. / 1135

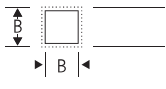
DREIKANT SCHMAL THREESQUARE NARROW . TRIANGULAIRE ÉTROITE . TRIANGOLARE STRETTA  
TRIANGULAR ESTRECHA



A		150 mm	200 mm
B		7,5 mm	10,3 mm
Hieb/Cut	2		1135 2020
Taille/Taglio	3	1135 1530	
Picado			

ART-NR. / 1146

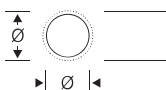
VIERKANT SQUARE . CARRÉE . QUADRA . CUADRADA



A		100 mm	125 mm	150 mm	200 mm	250 mm
B		3,6 mm	4,5 mm	5,5 mm	7,5 mm	9,4 mm
Hieb/Cut	1	1146 1010	1146 1210	1146 1510	1146 2010	1146 2510
Taille/Taglio	2	1146 1020		1146 1520	1146 2020	1146 2520
Picado	3	1146 1030	1146 1230	1146 1530	1146 2030	1146 2530
	4			1146 1540		

ART-NR. / 1166

RUND ROUND . RONDE . TONDA . REDONDA



A		100 mm	125 mm	150 mm	200 mm	250 mm
Ø		3,8 mm	4,8 mm	5,8 mm	7,8 mm	9,4 mm
Hieb/Cut	1	1166 1010	1166 1210	1166 1510	1166 2010	1166 2510
Taille/Taglio	2	1166 1020	1166 1220	1166 1520	1166 2020	1166 2520
Picado	3	1166 1030	1166 1230	1166 1530	1166 2030	1166 2530
	4			1166 1540		

ART-NR. / 1165

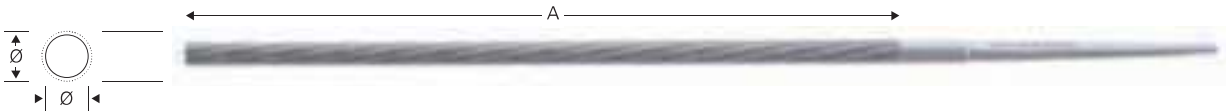
RUND DÜNN ROUND THIN . RONDE MINCE . TONDA STRETTA . REDONDA DELGADA



A	150 mm
Ø	3,9 mm
Hieb/Cut	2
Taille/Taglio	1165 1520
Picado	

ART-NR. / 1164

RUND ZYLINDRISCH ROUND CYLINDRICAL . RONDE CYLINDRIQUE . TONDA CILINDRICA  
REDONDA CILÍNDRICA



A	150 mm
Ø	4,8 mm
Hieb/Cut	2
Taille/Taglio	1164 1520
Picado	

ART-NR. / 1163

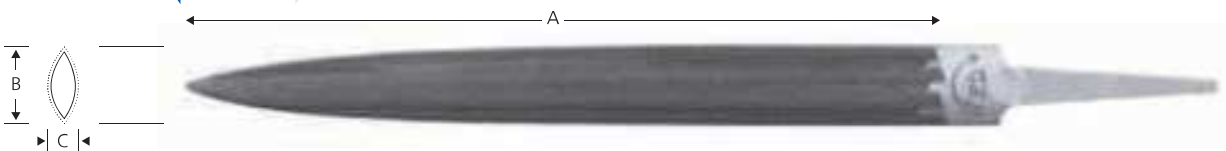
RUND, ZYLINDRISCH DÜNN ROUND CYLINDRICAL THIN . RONDE CYLINDRIQUE MINCE  
TONDA CILINDRICA STRETTA . REDONDA CILÍNDRICA DELGADA



A	150 mm
Ø	4 mm
Hieb/Cut	3
Taille/Taglio	1163 4030
Picado	

ART-NR. / 1196

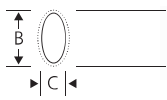
VOGELZUNGE CROSSING . FEUILLE DE SAUGE . A FOGLIA DI SALVIA . ALMENDRA



A	100 mm	125 mm	150 mm	200 mm
B x C	11,9 x 3,6 mm	13,5 x 4,1 mm	14,8 x 5 mm	21,3 x 6,3 mm
Hieb/Cut	1		1196 1510	1196 2010
Taille/Taglio	2	1196 1020	1196 1220	1196 1520
Picado	3	1196 1030	1196 1530	1196 2030
	4		1196 1540	

ART-NR. / 1194

OVAL OVAL . OVALE . OVALE . OVAL



A		150 mm
B x C		8,6 x 4,4 mm
Hieb/Cut	1	1194 1510
Taille/Taglio	3	1194 1530
Picado		

ART-NR. / 1176

MESSER KNIFE . COUPEAU . A COLTELLO . CUCHILLO



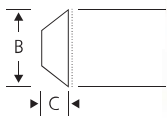
A		100 mm	150 mm	200 mm	250 mm**
B x C		12,4 x 2,8 mm	17,9 x 3,5 mm	22 x 4,2 mm	25 x 6,5 mm
Hieb/Cut	1		1176 1510	1176 2010	
Taille/Taglio	2	1176 1020	1176 1520	1176 2020	1176 2520*
Picado	3		1176 1530	1176 2030	



- / \*\* Ab 250 mm werden die Feilen mit gerader Schneide geliefert.
- / \*\* In 250 mm, knife files have a straight cutting surface.
- / \*\* Dès 250 mm, les limes sont livrées avec une lame droite.
- / \*\* A partire da 250 mm, le lime sono fornite con taglio dritto.
- / \*\* A partir de 250 mm las limas serán suministradas con corte directo

ART-NR. / 1106

BARETT BARRETTE . BARRETTE . A SCHIENA . BARRETE



A		100 mm	125 mm	150 mm	200 mm
B x C		12,4 x 2,6 mm	14 x 3 mm	15,5 x 3,5 mm	21,5 x 5 mm
Hieb/Cut	1	1106 1010		1106 1510	1106 2010
Taille/Taglio	2		1106 1220	1106 1520	1106 2020
Picado	3	1106 1030	1106 1230	1106 1530	1106 2030
	4			1106 1540	

ART-NR. / 1030

UHRZEIGERFEILE RUND DIAL FILE ROUND LIME RONDE À ÉTIRER LIMA PER SFERE DI OROLOGIO TONDA . REDONDA PARA TALADROS DE PIVOTES



A		50 mm
Ø		1 mm
Hieb/Cut	3	1030 0730
Taille/Taglio		
Picado		

ART-NR. / 1031

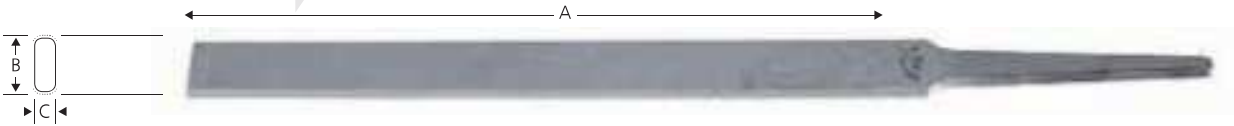
**SCHARNIERFEILE RUND ZYLINDRISCH** JOINT FILE ROUND CYLINDRICAL . LIME COULISSE RONDE CYLINDRIQUE . LIMA PER CERNIERE TONDA CILINDRICA . LIMA DE CHARNELA REDONDA CILÍNDRICA



A	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
∅	0,5 mm	1 mm	1,6 mm	2 mm	3 mm	
Hieb/Cut	3					
Taille/Taglio						
Picado						
	1031 0530	1031 1030	1031 1630	1031 2030	1031 3030	

ART-NR. / 1032

**SCHARNIERFEILE FLACHSTUMPF ABGERUNDETE SCHMALSEITEN** JOINT FILE FLAT ROUNDED EDGES LIME COULISSE PLATE BORDS ROUNDS . LIMA PER CERNIERE PIATTA CON BORDI STRETTI TONDI LIMA DE CHARNELA PLANA PARALELA DE BORDES REDONDOS



A	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
B x C	10 x 0,3 mm	10 x 0,4 mm	10 x 0,5 mm	10 x 0,6 mm	10 x 0,7 mm	10 x 0,8 mm
Hieb/Cut	3					
Taille/Taglio						
Picado						
	1032 0330	1032 0430	1032 0530	1032 0630	1032 0730	1032 0830

A	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
B x C	10 x 0,9 mm	10 x 1 mm	10 x 1,1 mm	10 x 1,2 mm	10 x 1,5 mm	10 x 2 mm
Hieb/Cut	3					
Taille/Taglio						
Picado						
	1032 0930	1032 1030	1032 1130	1032 1230	1032 1530	1032 2030

ART-NR. / 1040

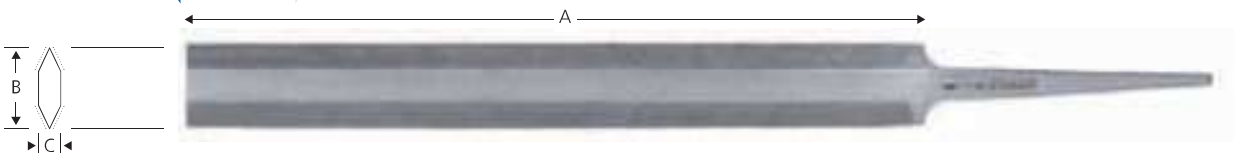
**EINSTREICH-/SCHRAUBENKOPFFEILE OHNE ANGEL** SCREWHEAD FILE WITHOUT TANG . LIME À FENDRE SANS QUEUE . LIMA PER TESTE DI VITI SENZA CODOLO . LIMA DE RANURAR SIN ESPIGA



A	75 mm
B x C	9 x 0,55 mm
Hieb/Cut	5
Taille/Taglio	
Picado	
	1040 0000

ART-NR. / 1041

**EINSTREICH-/SCHRAUBENKOPFFEILE MIT ANGEL** SCREWHEAD FILE WITH TANG . LIME À FENDRE AVEC QUEUE . LIMA PER TESTE DI VITI CON CODOLO . LIMA DE RANURAR CON ESPIGA



A	100 mm
B x C	11 x 0,55 mm
Hieb/Cut	5
Taille/Taglio	
Picado	
	1041 0000



ART.-NR. / 1045

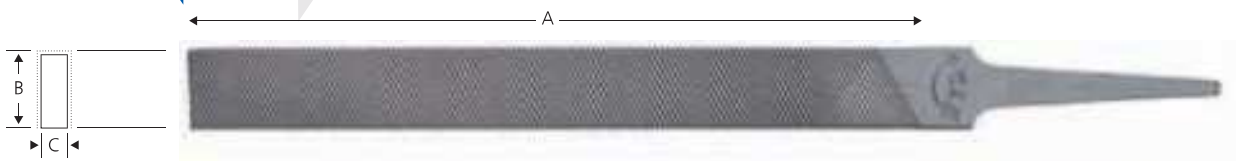
**RIEFEN-/CANNELIERFEILE FLACHSTUMPF** CHECKERING FILE HAND . LIME À CANNELER PLATE À MAIN  
LIMA PER ZIGRINARE PIATTA . LIMA CARLETA DE ESTRIAR



A		150 mm	200 mm
B x C		12,4 x 4,5 mm	22 x 5,2 mm
Hieb/Cut	00	1,00 mm / Abstand Zahnspitze zu Zahnspitze	1045 2090
Taille/Taglio	0	0,83 mm / Distance between tip of teeth	1045 1500
Picado	1	0,63 mm / Ecart entre les pointes des dents	1045 1510
	2	0,50 mm / Distanza tra le punte dei denti	1045 1520
		/ Distancia entre puntas	1045 2020

ART.-NR. / 1312

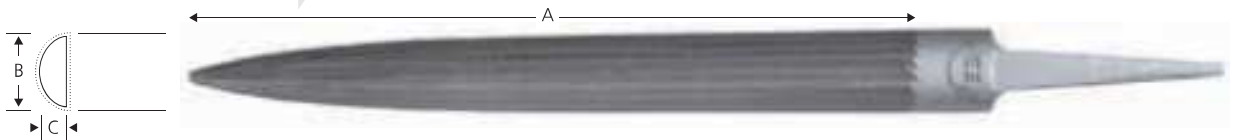
**SPEZIALFEILE FÜR LEICHTMETALLE (ALUMINIUMFEILE) FLACHSTUMPF** ALUMINIUM FILE HAND  
LIME POUR ALUMINIUM PLATE À MAIN . LIMA SPECIALE PER METALLI LEGGERI PIATTA . LIMA  
ESPECIAL PARA ALUMINIO PLANA



A		150 mm	200 mm	250 mm
B x C		15,5 x 3,5 mm	21,3 x 4,8 mm	25,3 x 6,3 mm
Hieb/Cut	0	1312 1500	1312 2000	1312 2500
Taille/Taglio				
Picado				

ART.-NR. / 1352

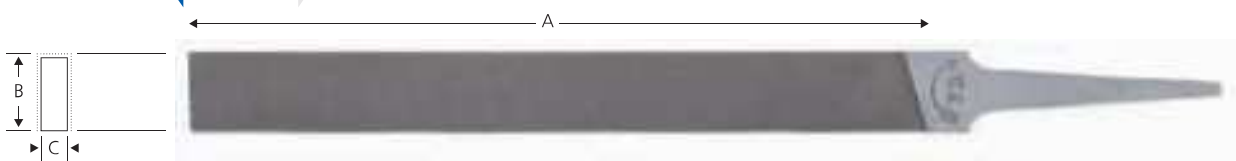
**SPEZIALFEILE FÜR LEICHTMETALLE (ALUMINIUMFEILE) HALBRUND** ALUMINIUM FILE HALFROND  
LIME POUR ALUMINIUM MIRONDE . LIMA SPECIALE PER METALLI LEGGERI MEZZA TONDA . LIMA  
ESPECIAL PARA ALUMINIO MEDIA CAÑA



A		150 mm	200 mm	250 mm
B x C		17,5 x 5 mm	19,4 x 5,7 mm	24 x 7,5 mm
Hieb/Cut	0	1352 1500	1352 2000	1352 2500
Taille/Taglio				
Picado				

ART.-NR. / 1712

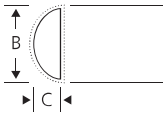
**BAKELITFEILE (KUNSTSTOFFFEILE) FLACHSTUMPF** FILE FOR PLASTICS HAND . LIME POUR BAKÉLITE  
PLATE À MAIN . LIMA PER BACHELITE PIATTA . LIMA PARA BAKELITA PLANA



A		150 mm
B x C		15,5 x 3,5 mm
Hieb/Cut	2	1712 1520
Taille/Taglio		
Picado		

ART-NR. / 1752

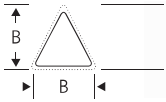
**BAKELITFEILE (KUNSTSTOFFFEILE) HALBRUND** FILE FOR PLASTICS HALFROND . LIME POUR BAKÉLITE MIRONDE . LIMA PER BACHELITE MEZZA TONDA . LIMA PARA BAKELITA MEDIA CAÑA



A	150 mm
B x C	17,5 x 5 mm
Hieb/Cut	2
Taille/Taglio	1752 1520
Picado	

ART-NR. / 1133

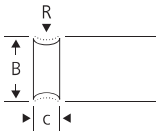
**HÄRTEPRÜFFEILE** HARDNESS TESTING FILE . LIME D'ESSAIS DE DURETÉ . LIMA PROVA TEMPERA LIMA PARA COMPROBACIÓN DE TEMPLE



A	150 mm
B x B	10,3 mm
Hieb/Cut	2
Taille/Taglio	1133 1520
Picado	

ART-NR. / 1035

**BUNDFEILE** FRET FILE . LIME POUR FRETES . LIMA PER MANUTENZIONE TASTI . LIMA PARA TRASTES



A	115 mm	
B x C	16 x 4 mm	R = Radius/Radius/Rayon/Raggio/Radio
Spezialhieb = 25 Zähne/cm	1035 1000	1 mm
Special cut = 25 Teeth/cm	1035 2000	2 mm
Taille spéciale = 25 Dents/cm	1035 3000	3 mm
Taglio speciale = 25 Denti/cm		
Picado especial = 25 dientes/cm		