



LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

LIMAS Y ESCOFINAS

FILES & RASPS

LIMES ET RAPES

La gama completa de limas y escofinas super-profesionales EGA Master ofrece soluciones a todas las necesidades de acabado.

EGA Master super-professional file and rasp range offers solutions to all finishing needs.

La gamme complète de limes et de râpes super professionnelles EGA Master donne une solution à tous les problèmes.

		Debaste Roughing Bâtarde	Limado medio Medium filing Demi-douce	Afilado o limado fino Sharpening or smooth filing Douce
Picado sencillo Single cut Une taille			● ●	● ●
Picado doble Double cut Doble coupe	Basto Bastard Bâtard	● ●	●	
	Entrefino Medium Demi douce		● ●	●
	Fino Smooth Douce		● ●	● ●
Escofina Rasp Râpe		● ●		



1. Acero alto en cromo y carbono.
High chrome and carbon steel.
Acier en haute teneur en chrome et carbone.

2. Templados hasta los 65HRC.
Tempered up to 65HRC.
Trempe jusqu'à 65HRC.

3. Mango Bi-componente ergonómico y antideslizante BIMAT® de gran atractivo.

Highly attractive BIMAT® ergonomic and anti-slippery handle.
Manche bi-matière, ergonomique et anti-dérapant très attrayant.

4. Protección antioxidante.
Rust-proof treatment.
Protection anti-oxydation.

		Fundición Casting Fonte	Acero sin templar Non Templed alloy Acier	Acero de alta aleación High Alloy steel Alliage d'acier	Latón bronce Brass Bronze Laiton bronze	Aluminio Aluminium Aluminium	Madera, Plásticos... Wood, plastic... Bois, plastique...
Picado sencillo Single cut Une taille			● ●	● ●			
Picado doble Double cut Doble coupe	Basto Bastard Bâtard	● ●	● ●	●	● ●	● ●	●
	Entrefino Medium Demi douce	● ●	● ●	● ●	● ●	● ●	
	Fino Smooth Douce	●	● ●	● ●	●		
Escofina Rasp Râpe							● ●

● Aceptable / Acceptable / Acceptable

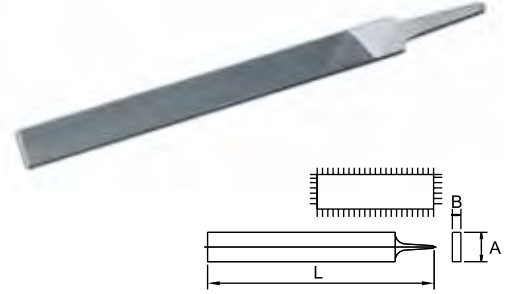
● ● Adecuado / Appropriate / Idéal

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LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

LIMAS PLANAS PARALELAS / HAND FILES / LIMES PLATES PARALLELES / FLACHSTUMPF / LIMA PIATTA PARALLELA / LIMAS PARALELAS / РУЧНЫЕ НАПИЛЬНИКИ

COD	L	W/cm	Gr	A	B	Gr	Gr
63473	4"	1	14	12	2,5	40	20
63474		2	22				
63475		3	28				
63476	6"	1	11	16	4,0	80	
63477		2	18				
63478		3	22				
63479	8"	1	10	20	5,0	185	
63480		2	16				
63481		3	20				
63482	10"	1	9	35	6,0	280	
63483		2	12				
63484		3	18				
63485	12"	1	8	30	6,5	400	
63486		2	11				
63487		3	16				
63488	14"	1	7	35	7,5	620	
63489		2	10				
63490		3	14				

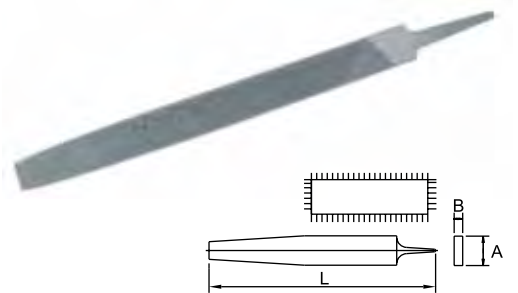


COD	L	W/cm	Gr	A	B	Gr	Gr
63491	4"	1	14	12	2,5	45	5
63492		2	22				
63493		3	28				
63494	6"	1	11	16	4,0	90	
63495		2	18				
63496		3	22				
63497	8"	1	10	20	5,0	200	
63498		2	16				
63499		3	20				
63500	10"	1	9	35	6,0	310	
63501		2	12				
63502		3	18				
63503	12"	1	8	30	6,5	410	
63504		2	11				
63505		3	16				
63506	14"	1	7	35	7,5	650	
63507		2	10				
63508		3	14				



LIMAS PLANAS DE PUNTA / FLAT FILES / LIMES PLATES DE BOUT / FLACHSPITZ / LIMA PIATTA A PUNTA / LIMAS CHATAS / ПЛОСКИЕ НАПИЛЬНИКИ

COD	L	W/cm	Gr	A	B	Gr	Gr
63509	4"	1	14	12	2,5	36	20
63510		2	22				
63511		3	28				
63512	6"	1	11	16	4,0	70	
63513		2	18				
63514		3	22				
63515	8"	1	10	20	5,0	165	
63516		2	16				
63517		3	20				
63518	10"	1	9	35	6,0	250	
63519		2	12				
63520		3	18				
63521	12"	1	8	30	6,5	360	
63522		2	11				
63523		3	16				
63524	14"	1	7	35	7,5	550	
63525		2	10				
63526		3	14				



COD	L	W/cm	Gr	A	B	Gr	Gr
63527	4"	1	14	12	2,5	40	5
63528		2	22				
63529		3	28				
63530	6"	1	11	16	4,0	80	
63531		2	18				
63532		3	22				
63533	8"	1	10	20	5,0	180	
63534		2	16				
63535		3	20				
63536	10"	1	9	35	6,0	270	
63537		2	12				
63538		3	18				
63539	12"	1	8	30	6,5	370	
63540		2	11				
63541		3	16				
63542	14"	1	7	35	7,5	600	
63543		2	10				
63544		3	14				



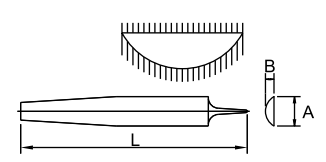
- 1 Basta / Bastard / Batarde / Bastard / Bastarda / Bastardo / ГРУБЫЕ
- 2 Entrefina/Medium/Demi douce/Halbschlicht/Media /Meio murço/ СРЕДНИЕ
- 3 Fina / Smooth / Douce / Schlicht / Fine / Murço / МЕЛКИЕ

NATO Commercial and Government Entity (NCAGE) Code / Código (NCAGE) OTAN: 8552B

LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

LIMAS MEDIA CAÑA / HALF ROUND FILES / LIMES DEMI-RONDES / HALBRUND-FEILEN, SPITZE FORM / LIMA MEZZATONDA / LIMAS MEIA CANA / ПОЛУКРУГЛЫЕ НАПИЛЬНИКИ

COD	L	MM/cm		A	B	gr.				
63545		1	14	10	3,0	19	20			
63546	4"	2	22							
63547		3	28							
63548		1	11	16	4,5	65		20		
63549	6"	2	18							
63550		3	22							
63551		1	10	20	6,0	140			20	
63552	8"	2	16							
63553		3	20							
63554		1	9	25	7,0	240				12
63555	10"	2	12							
63556		3	18							
63557		1	8	30	8,5	350	12			
63558	12"	2	11							
63559		3	16							
63560		1	7	35	10	650		12		
63561	14"	2	10							
63562		3	14							

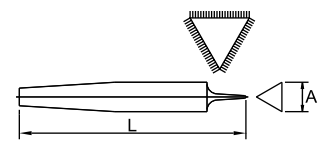


COD	L	MM/cm		A	B	gr.				
63563		1	14	10,5	3,0	24	5			
63564	4"	2	22							
63565		3	28							
63566		1	11	16	4,5	70		5		
63567	6"	2	18							
63568		3	22							
63569		1	10	20	6,0	150			5	
63570	8"	2	16							
63571		3	20							
63572		1	9	25	7,0	260				5
63573	10"	2	12							
63574		3	18							
63575		1	8	30	8,5	370	5			
63576	12"	2	11							
63577		3	16							
63578		1	7,0	35	10	650		5		
63579	14"	2	10							
63580		3	14							



LIMAS TRIANGULARES / TRIANGULAR FILES / LIMES TRIANGULAIRES / DREIKANTFEILEN / LIMA TRIANGOLARE / LIMATÕES TRIANGULARES / ТРЕУГОЛЬНЫЕ НАПИЛЬНИКИ

COD	L	MM/cm		A	gr.				
63581		1	14	8,0	22	20			
63582	4"	2	22						
63583		3	28						
63584		1	11	11	64		20		
63585	6"	2	18						
63586		3	22						
63587		1	10	15	140			20	
63588	8"	2	16						
63589		3	20						
63590		1	9	17	200				20
63591	10"	2	12						
63592		3	18						
63593		1	8,0	20	320	12			
63594	12"	2	11						
63595		3	16						
63596		1	7	24	600		12		
63597	14"	2	10						
63598		3	14						



COD	L	MM/cm		A	gr.				
63599		1	14	8,0	27	5			
63600	4"	2	22						
63601		3	28						
63602		1	11	11	70		5		
63603	6"	2	18						
63604		3	22						
63605		1	10	15	150			5	
63606	8"	2	16						
63607		3	20						
63608		1	9	17	205				5
63609	10"	2	12						
63610		3	18						
63611		1	8,0	20	340	5			
63612	12"	2	11						
63613		3	16						
63614		1	7	24	600		5		
63615	14"	2	10						
63616		3	14						



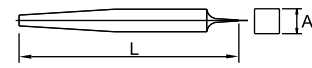
- 1 Basta / Bastard / Batarde / Bastard / Bastarda / Bastardo / ГРУБЫЕ
- 2 Entrefina/Medium/Demi douce/Halbschlicht/Media /Meio murço/ СРЕДНИЕ
- 3 Fina / Smooth / Douce / Schlicht / Fine / Murço / МЕЛКИЕ

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LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

LIMAS CUADRADAS / SQUARE FILES / LIMES CARREES / VIERKANTFEILEN / LIMA QUADRA / LIMATÕES QUADRADOS / КВАДРАТНЫЕ НАПИЛЬНИКИ

COD	L	MM/cm	gr.	A	gr.
63617	4"	1	14	81819	4,0
63618		2	22		
63619		3	28		
63620	6"	1	11	81819	6,0
63621		2	18		
63622		3	22		
63623	8"	1	10	81878	8,0
63624		2	16		
63625		3	20		
63626	10"	1	9	81878	10
63627		2	12		
63628		3	18		
63629	12"	1	8	81938	12
63630		2	11		
63631		3	16		
63632	14"	1	7	81938	15
63633		2	10		
63634		3	14		

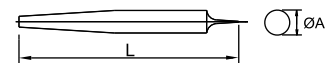


COD	L	MM/cm	gr.	A	gr.
63635	4"	1	14	85	4,0
63636		2	22		
63637		3	28		
63638	6"	1	11	85	6,0
63639		2	18		
63640		3	22		
63641	8"	1	10	114	8,0
63642		2	16		
63643		3	20		
63644	10"	1	9	114	10
63645		2	12		
63646		3	18		
63647	12"	1	8	135	12
63648		2	11		
63649		3	16		
63650	14"	1	7	135	15
63651		2	10		
63652		3	14		



LIMAS REDONDAS / ROUND FILES / LIMES RONDES / RUNDFEILEN / LIMA TONDA / LIMATÕES REDONDOS / КРУГЛЫЕ НАПИЛЬНИКИ

COD	L	MM/cm	gr.	A	gr.
63653	4"	1	13	81819	4,0
63654		2	16		
63655		3	19		
63656	6"	1	11	81819	6,0
63657		2	14		
63658		3	17		
63659	8"	1	10	81879	7,5
63660		2	13		
63661		3	16		
63662	10"	1	9	81879	9,5
63663		2	12		
63664		3	15		
63665	12"	1	8	81938	12
63666		2	11		
63667		3	14		
63668	14"	1	7	81938	15
63669		2	10		
63670		3	13		



COD	L	MM/cm	gr.	A	gr.
63671	4"	1	13	85	4,0
63672		2	16		
63673		3	19		
63674	6"	1	11	85	6,0
63675		2	14		
63676		3	17		
63677	8"	1	10	114	7,5
63678		2	13		
63679		3	16		
63680	10"	1	9	114	9,5
63681		2	12		
63682		3	15		
63683	12"	1	8	135	12
63684		2	11		
63685		3	14		
63686	14"	1	7	135	15
63687		2	10		
63688		3	13		



- 1 Basta / Bastard / Batarde / Bastard / Bastarda / Bastardo / ГРУБЫЕ
- 2 Entrefina/Medium/Demi douce/Halbschlicht/Media/Meio murço / СРЕДНИЕ
- 3 Fina / Smooth / Douce / Schlicht / Fine / Murço / МЕЛКИЕ

NATO Commercial and Government Entity (NCAGE) Code / Código (NCAGE) OTAN: 8552B

12**LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ****JUEGOS / SETS****JUEGO DE 5 LIMAS DE 10" BASTA / 10" BASTARD FILE SET 5 PCS / JEU DE 5 LIMES BATARDES 10" / SET BASTARD FEILEN 5 STÜCK / KIT 5 LIME BASTARDE 10" / JOGO DE 5 LIMAS DE 10" BASTARDAS / 10" ГРУБЫЕ НАПИЛЬНИКИ НАБОР ИЗ 5 ШТ**

COD	←L→	Composición / Composition	
63760	10"	63536	Lima plana punta basta Bastard flat file
		63572	Lima media caña basta Bastard half round file
		63608	Lima triangular basta Bastard triangular file
		63644	Lima cuadrada basta Bastard square file
		63680	Lima redonda basta Bastard round file

**JUEGO DE 5 LIMAS DE 10" ENTREFINA / 10" MEDIUM FILE SET 5 PCS / JEU DE 5 LIMES DEMI-DOUCES 10" / SET MEDIUM FEILEN 5 STÜCK / KIT 5 LIME EXTRA FINE 10" / JOGO DE 5 LIMAS 10" MEIO MURÇO / 10" СРЕДНИЕ НАПИЛЬНИКИ НАБОР ИЗ 5 ШТ**

COD	←L→	Composición / Composition	
63762	10"	63537	Lima plana punta entrefina Medium flat file
		63573	Lima media caña entrefina Medium half round file
		63609	Lima triangular entrefina Medium triangular file
		63645	Lima cuadrada entrefina Medium square file
		63681	Lima redonda entrefina Medium round file

**JUEGO DE 5 LIMAS DE 10" FINA / 10" SMOOTH FILE SET 5 PCS / JEU DE 5 LIMES DOUCES 10" / SET SCHLICHT FEILEN 5 STÜCK / KIT 5 LIME FINE 10" / JOGO DE 5 LIMAS 10" MURÇO / 10" МЕЛКИЕ НАПИЛЬНИКИ НАБОР ИЗ 5 ШТ**

COD	←L→	Composición / Composition	
63767	10"	63538	Lima plana punta fina Smooth flat file
		63574	Lima media caña fina Smooth half round file
		63610	Lima triangular fina Smooth triangular file
		63646	Lima cuadrada fina Smooth square file
		63682	Lima redonda fina Smooth round file

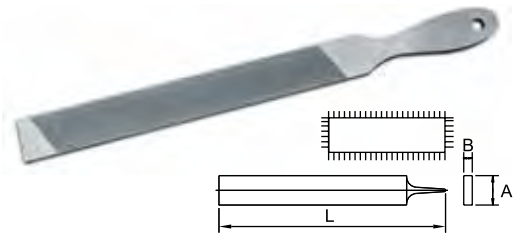


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LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

LIMA PLANA / FARMER'S OWN / LIME PLATE / FLACHFEILEN / LIMA PIATTA / LIMA PLANA / ФЕРМЕРСКИЙ НАПИЛЬНИК

COD	L	z	cm	A	B	gr.	
63689	8"	2	16	25	5,0	230	10



LIMAS AFILADO / SHARPENING FILES / LIMES AIGUILLES / PRÄZISIONSNADELFEILEN DÜNN / LIMA AFFILATA / LIMAS DE AFIAR, DE AGRICULTOR / ЗАТАЧИВАЮЩИЕ НАПИЛЬНИКИ

LIMA TRIANGULAR DELGADA / SLIM TAPER SAW / LIME TRIANGULAIRE ETROITE / PRÄZISIONSNADELFEILEN DÜNN / LIMA TRIANGOLARE / LIMAS TRIANGULARES FINAS / ТРЕУГОЛЬНЫЙ НАПИЛЬНИК

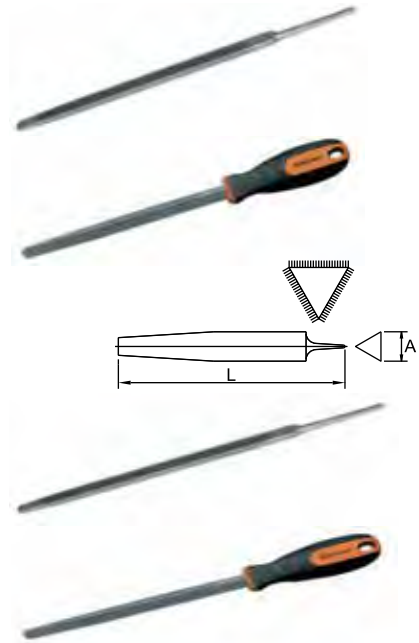
COD	L	z	A	gr.	
63690	4"	4	4,5	7,5	20
63691	5"		6,0	17	

COD	L	z	A	gr.	
63692	4"	4	4,5	10	5
63693	5"		6,0	25	

LIMA TRIANGULAR EXTRA-DELGADA / EXTRA REGULAR TAPER SAW / LIME EXTRA FINE / DREIKANTFEILEN / LIMA TRIANGOLARE EXTRA-SOTTILE / LIMAS TRIANGULARES EXTRA-FINAS / МЕЛКИЙ ТРЕУГОЛЬНЫЙ НАПИЛЬНИК

COD	L	z	A	gr.	
63694	4"	4	4,0	7,0	20
63695	5"		5,0	12	

COD	L	z	A	gr.	
63696	4"	4	4,0	10	5
63697	5"		5,0	20	



ESCOFINAS / RASPS / RAPES / SCHABER / RASPA / GROSAS / РАШПИЛИ

ESCOFINAS PLANAS PARALELAS / HAND WOOD RASPS / RAPES PLATES PARALLELES / FLACH RAPS / RASPA PIATTA PARALLELA / GROSAS PARALELAS / РУЧНЫЕ РАШПИЛИ ПО ДЕРЕВУ

COD	L	z	cm	A	B	gr.	
63698	10"	10	3	24	7,0	125	20
63699	12"			28	8,0	220	

COD	L	z	cm	A	B	gr.			
63700	10"	10	3	115	24	7,0	125	5	1
63701	12"			135	28	8,0	220		



- 1 Basta / Bastard / Batarde / Bastard / Bastarda / Bastardo / ГРУБЫЕ
- 2 Entrefina / Medium / Demi douce / Halbschlicht / Media / Meio murço / СРЕДНИЕ
- 3 Fina / Smooth / Douce / Schlicht / Fine / Murço / МЕЛКИЕ
- 4 Extrafina / Very smooth / Extrafine / Doppelschlicht / Extrafine / Muito murço / ОЧЕНЬ МЕЛКИЙ

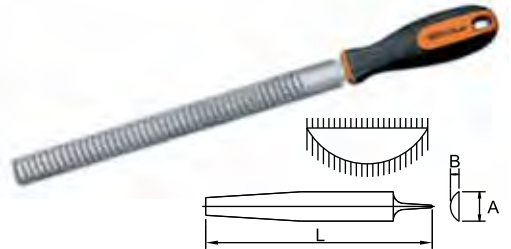
LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

ESCOFINAS MEDIA CAÑA / HALF ROUND RASPS / RAPES DEMI-ROND / HALBRUND RAPAS / RASPA MEZZOTANDA / GROSAS MEIA CANA / ПОЛУКРУГЛЫЙ РАШПИЛЬ

COD	L	z	cm	A	B	gr.	
63702	6"	10	3	81820	16	4,0	80
63703	8"			81880	20	5,5	140
63704	10"			81881	24	7,0	240
63705	12"			81885	28	8,0	370



COD	L	z	cm	A	B	gr.	
63706	6"	10	3	85	16	4,0	80
63707	8"			114	20	5,5	140
63708	10"			135	24	7,0	240
63709	12"			135	28	8,0	370

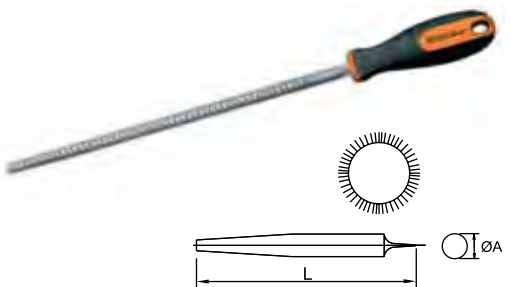


ESCOFINAS REDONDAS / ROUND RASPS / RAPES RONDES / RUNDE RAPAS / RASPA TONDA / GROSAS REDONDAS / КРУГЛЫЕ РАШПИЛИ

COD	L	z	cm	A	gr.	
63710	8"	10	3	81879	9,5	60
63711	10"			11	125	20



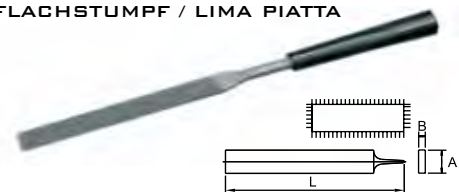
COD	L	z	cm	A	gr.	
63712	8"	10	3	114	9,5	60
63713	10"			11	125	5



LIMAS DE AGUJA / NEEDLE FILES / LIMES AIGUILLES / NADELFEILEN / LIMA A PUNTA / LIMAS DE CALADO / НАДФИЛИ

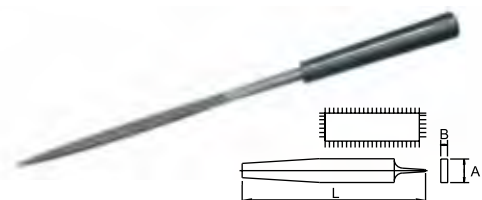
LIMAS PLANAS PARALELAS / HAND FILES / LIMES PLATES PARALLELES / FLACHSTUMPF / LIMA PIATTA PARALLELA / LIMAS PARALELAS / РУЧНОЙ НАДФИЛЬ

COD	L	cm	A	B	gr.			
63714	6"	2	25	16	3,3	70	24	1



LIMAS PLANAS DE PUNTA / FLAT FILES / LIMES PLATES DE BOUT / NADELFLACHSTUMPF / LIMA PIATTA A PUNTA / LIMAS CHATAS / ПЛОСКИЙ НАДФИЛЬ

COD	L	cm	A	B	gr.			
63715	6"	2	25	16	3,3	65	24	1

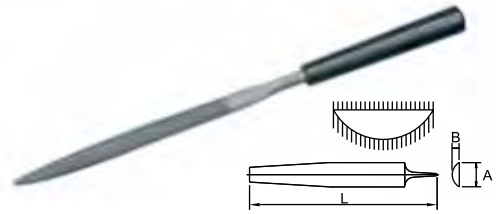


12

LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

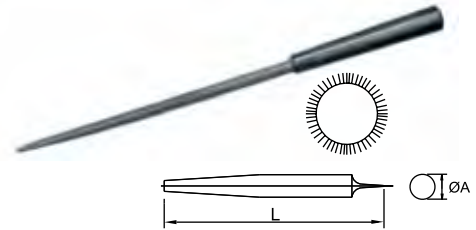
LIMAS MEDIA CAÑA / HALF ROUND FILES / LIMES DEMI-ROUNDES / HALBRUND-FEILEN / LIMA MEZZATONDA / LIMAS MEIA CANA / ПОЛУКРУГЛЫЙ НАДФИЛЬ

COD	L		mm/cm	A	B	gr.		
63716	6"	2	25	16	4,2	65	24	1



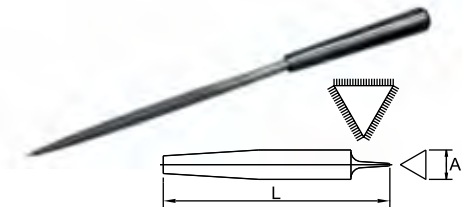
LIMAS REDONDAS / ROUND FILES / LIMES RONDES / RUNDFEILEN / LIMA TONDA / LIMATÕES REDONDOS / КРУГЛЫЙ НАДФИЛЬ

COD	L		mm/cm	A		gr.		
63717	6"	2	25	5,5		30	24	1



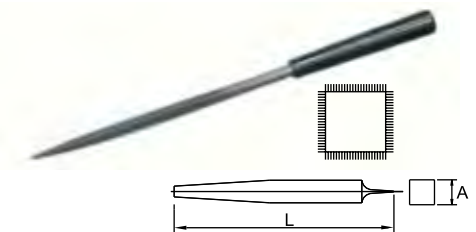
LIMAS TRIANGULARES / TRIANGULAR FILES / LIMES TRIANGULAIRES / DREIKANTFEILEN / LIMA TRIANGOLARE / LIMAS TRIANGULARES / ТРЕУГОЛЬНЫЙ НАДФИЛЬ

COD	L		mm/cm	A		gr.		
63718	6"	2	25	11		60	24	1



LIMAS CUADRADAS / SQUARE FILES / LIMES CARREES / VIERKANTFEILEN / LIMA QUADRA / LIMATÕES QUADRADOS / КВАДРАТНЫЙ НАДФИЛЬ

COD	L		mm/cm	A		gr.		
63719	6"	2	25	5,0		35	24	1



- 1 Basta / Bastard / Batarde / Bastard / Bastarda / Bastardo / ГРУБЫЕ
- 2 Entrefina / Medium / Demi douce / Halbschlicht / Media / Meio murço / СРЕДНИЕ
- 3 Fina / Smooth / Douce / Schlicht / Fine / Murço / МЕЛКИЕ

SET

COD		L
63768	63714	6"
	63715	
	63716	
	63717	
	63718	
	63719	

NEW



12

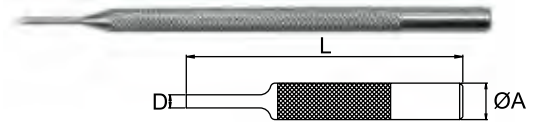
LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

BOTADORES CILÍNDRICOS / PIN PUNCHES / CHASSES GOUPILLES / DURCHSCHLÄGER PUNZONE CILINDRICO / PUNÇÕES CILÍNDRICOS / ПРОБОЙНИКИ

CILÍNDRICOS Y MOLETEADOS / CYLINDRICAL AND KNURLED / CYLINDRIQUE ET MOLETE / ZYLINDERFÖRMIG UND GERÄNDELT / CILINDRICO E ZIGRINATO / CILINDRICOS E RECARILHADOS / ЦИЛИНДРИЧЕСКИЕ С НАСЕЧКОЙ

COD	D	L	A	gr.	
63380	2mm	125	8	40	25
63381	3mm			41	
63382	4mm			43	
63383	5mm		10	65	
63384	6mm			90	
63385	8mm			12	
63386	10mm			14	

Cr-V DIN 6450



SET

SET	COD	D
68590	63380	2,0mm
	63381	3,0mm
	63382	4,0mm
	63383	5,0mm
	63384	6,0mm
	63385	8,0mm
	63386	10mm

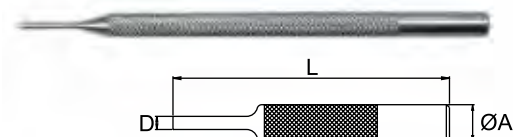
NEW



CILÍNDRICOS Y MOLETEADOS LARGOS / LONG CILINDRICAL AND KNURLED / CYLINDRIQUE LONGUE ET MOLETTE / LANG ZYLINDERFÖRMIG UND GERÄNDELT / CILINDRICO E ZIGRINATO LARGO / CILINDRICOS E RECARILHADOS LONGOS / ДЛИННЫЕ ЦИЛИНДРИЧЕСКИЕ И С НАСЕЧКОЙ

COD	D	L	A	gr.	
63387	2mm	150	8	49	25
63388	3mm			50	
63389	4mm			55	
63390	5mm		10	75	
63391	6mm			80	
63392	8mm			115	
63393	10mm			14	

Cr-V DIN 6450



SET

SET	COD	D
68591	63387	2,0mm
	63388	3,0mm
	63389	4,0mm
	63390	5,0mm
	63391	6,0mm
	63392	8,0mm
	63393	10mm

NEW



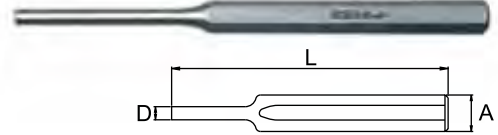
12

LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

HEXAGONALES / HEXAGONAL / A SIX PANS / HEXAGONAL / ESAGONALI / HEXAGONAIS / ШЕСТИГРАННАЯ

COD	D	L	A	gr.	
63394	2mm	150	8,0	28	25
63395	3mm			40	
63396	4mm			42	
63397	5mm		10	65	
63398	6mm			70	
63399	8mm			90	
63400	10mm		12	95	

DIN 6450



SET

COD	D	
63763	63394	2,0mm
	63395	3,0mm
	63396	4,0mm
	63397	5,0mm
	63398	6,0mm
	63399	8,0mm
	63400	10mm



OCTOGONAL / OCTOGONAL / OKTOGONAL / OCTOGONAL / OTTAGONALE / OCTOGONAIS / ВОСЬМИГРАННЫЕ

COD	D	L	A	gr.		
63401	2mm	150	10	65	25	
63402	3mm					
63403	4mm					
63404	5mm		12			70
63405	6mm					105
63406	8mm	12	120			
63407	10mm					

Cr-V DIN 6450



NEW

SET

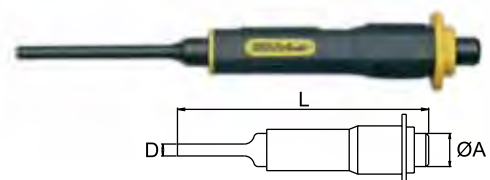
COD	D	
68592	63401	2,0mm
	63402	3,0mm
	63403	4,0mm
	63404	5,0mm
	63405	6,0mm
	63406	8,0mm
	63407	10mm



CON MANGO / WITH HANDLE / AVEC MANCHE / MIT GRIFF / CON MANICO / COM CABO / С РУКОЯТКОЙ

COD	D	L	A	gr.	
63447	2mm	165	8	65	10
63448	3mm	175			
63449	4mm	185	10	100	
63450	5mm	200		110	
63451	6mm		210	12	
63452	7mm	160			
63453	8mm	220	14	170	
63454	9mm			230	
63455	10mm	230	16	240	
63456	12mm			330	
63457	14mm	240	18	430	
63458	16mm			250	

Cr-V DIN 6450

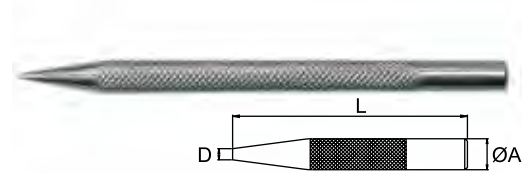


BOTADORES CÓNICOS / TAPER PUNCHES / CHASSE GOUPILLE / KÖRNER / PUNZONE CONICO / PUNÇÕES CÓNICOS / КОНИЧЕСКИЕ ПРОБОЙНИКИ

CÓNICOS Y MOLETEADOS / CONICAL AND KNURLED / CONIQUE ET MOLETE / KONISCH UND GERÄNDELT / CONICO E ZIGRINATO / CONICOS E RECARILHADOS / КОНИЧЕСКИЕ С НАСЕЧКОЙ

COD	D	L	A	gr.	
63408	2mm	125	8	44	25
63409	3mm			45	
63410	4mm			47	
63411	5mm		10	70	
63412	6mm			100	
63413	8mm			12	
63414	10mm			14	

Cr-V DIN 6458



SET

COD	D	
68593	63408	2,0mm
	63409	3,0mm
	63410	4,0mm
	63411	5,0mm
	63412	6,0mm
	63413	8,0mm
	63414	10mm

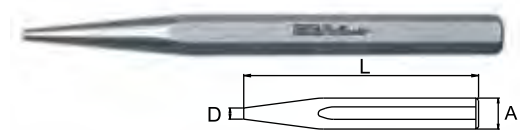
NEW



HEXAGONALES / HEXAGONAL / A SIX PANS / HEXAGONAL / ESAGONALI / HEXAGONAIS / ШЕСТИГРАННАЯ

COD	D	L	A	gr.	
63415	2mm	125	10	60	25
63416	3mm			65	
63417	4mm			70	
63418	5mm			110	
63419	6mm	150	12	120	
63420	8mm				
63421	10mm				

DIN 6458



SET

COD	D	
63764	63415	2,0mm
	63416	3,0mm
	63417	4,0mm
	63418	5,0mm
	63419	6,0mm
	63420	8,0mm
	63421	10mm



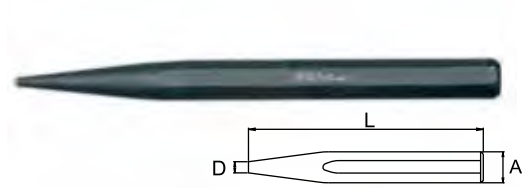
12

LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

OCTOGONAL / OCTOGONAL / ОКТОГОНАЛ / OCTOGONAL / OTTAGONALE / OCTOGONALS / ВОСЬМИГРАННЫЕ

COD	D	L	A	gr.	
63422	2mm	120	10	60	25
63423	3mm			65	
63424	4mm	75			
63425	5mm	150	12	80	
63426	6mm			120	
63427	8mm			135	
63428	10mm				

Cr-V DIN 6458



SET

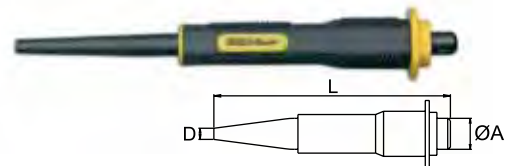
COD	D	
68594	63422	2,0mm
	63423	3,0mm
	63424	4,0mm
	63425	5,0mm
	63426	6,0mm
	63427	8,0mm
	63428	10mm



CON MANGO / WITH HANDLE / AVEC MANCHE / MIT GRIFF / CON MANICO / COM CABO / С РУКОЯТКОЙ

COD	D	L	A	gr.	
63459	2mm	165	8	75	10
63460	3mm	175		80	
63461	4mm	185	10	110	
63462	5mm			115	
63463	6mm			120	
63464	8mm	12	12	170	
63465	10mm			200	

Cr-V DIN 6458

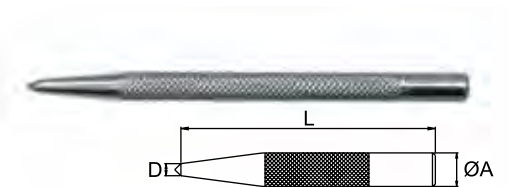


GRANETES / CENTER PUNCHES / POINTEAUX / KÖRNER / PUNZONI / PUNÇÕES / МЕТЧИКИ

CILÍNDRICOS Y MOLETEADOS / CYLINDRICAL AND KNURLED / CYLINDRIQUE ET MOLETE / ZYLINDERFÖRMIG UND GERÄNDELT / CILINDRICO E ZIGRINATO / BICO CILINDRICOS E RECARTILHADOS / ЦИЛИНДРИЧЕСКИЕ С НАСЕЧКОЙ

COD	D	L	A	gr.	
63429	2,5mm	125	8	42	25
63430	3mm			43	
63431	4mm		45		
63432	6mm		70		
63433	8mm		100		
63434	10mm		130		

Cr-V DIN 7250



SET

COD	D	
68595	63429	2,5mm
	63430	3,0mm
	63431	4,0mm
	63432	6,0mm
	63433	8,0mm
	63434	10mm



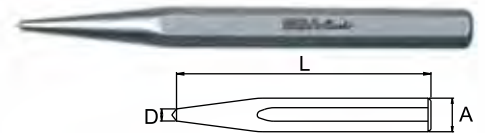
12

LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

HEXAGONALES / HEXAGONAL / A SIX PANS / HEXAGONAL / ESAGONALI / HEXAGONAIS / ШЕСТИГРАННАЯ

COD	D	L	A	gr.	
63435	2,5mm	100	8	35	25
63436	3mm				
63437	4mm				
63438	6mm				
63439	8mm				
63440	10mm				

DIN 7250



SET

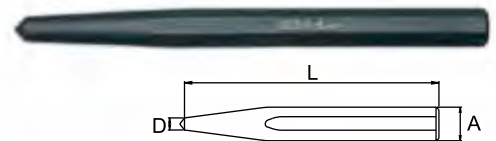
COD	D
63765	63435
	63436
	63437
	63438
	63439
	63440



OCTOGONAL / OCTOGONAL / OKTOGONAL / OCTOGONAL / OTTAGONALE / OCTOGONAIS / ВОСЬМИГРАННЫЕ

COD	D	L	A	gr.	
63441	2,5mm	120	10	60	25
63442	3mm				
63443	4mm				
63444	6mm				
63445	8mm				
63446	10mm				

Cr-V DIN 7250



SET

COD	D
68596	63441
	63442
	63443
	63444
	63445
	63446

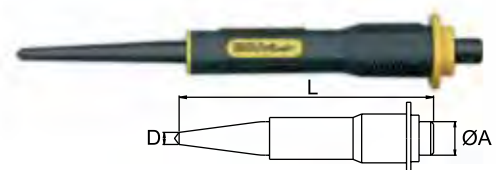
NEW



CON MANGO / WITH HANDLE / AVEC MANCHE / MIT GRIFF / CON MANICO / COM CABO / С РУКОЯТКОЙ

COD	D	L	A	gr.	
63466	2mm	165	8	75	10
63467	3mm				
63468	4mm				
63469	6mm				
63470	8mm				
63471	10mm				

Cr-V DIN 7250



SETS

CINCELES, BOTADORES Y GRANETES / CHISELS AND PUNCHES / BURINS, CHASSE-GOUPILLES ET POINTEAUX / MEISSEL UND DURCHSCHLÄGE / SCALPELLI E PUNZONI / ESCOPROS, SACA-TROÇOS E PUNÇÕES / ДОЛОТА И ПРОБОЙНИКИ



COD	Composición / Composition		gr.
69953	62847	Cinzel mecánico / Cold chisel: 12x11x100mm	700
	62848	Cinzel mecánico / Cold chisel: 15x14x125mm	
	63398	Botador cilíndrico / Pin punch: 6x10x150mm	
	63396	Botador cilíndrico / Pin punch: 4x8x150mm	
	63416	Botador cónico / Taper punch: 3x10x125mm	
	63436	Granete / Center punch: 3x8x100mm	



COD	Composición / Composition		gr.
69954	62847	Cinzel mecánico / Cold chisel: 12x11x100mm	700
	62848	Cinzel mecánico / Cold chisel: 15x14x125mm	
	62871	Buril plano / Crosscut chisel: 5x14x125	
	63396	Botador cilíndrico / Pin punch: 4x8x150mm	
	63416	Botador cónico / Taper punch: 3x10x125mm	
	63436	Granete / Center punch: 3x8x100mm	

12

LIMAS, ESCOFINAS, BOTADORES Y GRANETES / FILES, RASPS & PUNCHES / LIMES, RAPES, POINTEAUX ET CHASSES GOUPILLES / FEILEN, RASPELN, DURCHSCHLÄGER UND KÖRNER / LIMA, RASPE E PUNZONI / LIMAS, GROSAS E PUNÇÕES / НАПИЛЬНИКИ, РАШПИЛИ, МЕТЧИКИ

SETS

BOTADORES CILÍNDRICOS / PIN PUNCHES / CHASSE GOUPILLES / RUNDDURCHSCHLÄGER / PUNZONE CILINDRICO / PUNÇÕES CILÍNDRICOS / ПРОБОЙНИКИ



COD		Composición / Composition	gr.		
A	B		A	B	
69957	69958	63394	2x8x100mm	500	700
		63395	3x8x150mm		
		63396	4x8x150mm		
		63397	5x10x150mm		
		63398	6x10x150mm		
		63399	8x12x150mm		

BOTADORES Y GRANETES / PUNCHES / POINTEAUX / DURCHSCHLÄGE / PUNZONI / SACA-TROÇOS E PUNÇÕES / ПРОБОЙНИКИ



COD		Composición / Composition	gr.		
A	B		A	B	
69955	69956	63415	Botador cónico / Taper punch: 2x10x125mm	700	750
		63416	Botador cónico / Taper punch: 3x10x125mm		
		63417	Botador cónico / Taper punch: 4x10x125mm		
		63418	Botador cónico / Taper punch: 5x10x125mm		
		63419	Botador cónico / Taper punch: 5x10x125mm		
		63437	Granete / Center punch: 4x8x115mm		