

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://egamaster.nt-rt.ru/> || efm@nt-rt.ru

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



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		■		

● Aceptable / *Acceptable* / Acceptable

■ Adecuado / *Appropriate* / Idéal



1

Acero alto en cromo y carbono.

High chrome and carbon steel.

Acier en haute teneur en chrome et carbone.

2

Templados hasta los 65 HRC.

Tempered up to 65HRC.

Trempé 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

STANDARD

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

COD.	L (inch)	W/cm		A (mm)	B (mm)	g	
63491	4	1	14	12	2,5	45	85
63492		2	22				
63493		3	28				
63494	6	1	11	16	4,0	90	114
63495		2	18				
63496		3	22				
63497	8	1	10	20	5,0	200	135
63498		2	16				
63499		3	20				
63500	10	1	9	35	6,0	310	5
63501		2	12				
63502		3	18				
63503	12	1	8	30	6,5	410	135
63504		2	11				
63505		3	16				
63506	14	1	7	35	7,5	650	135
63507		2	10				
63508		3	14				

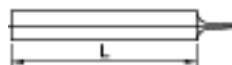
1: Basta / Bastard / Bâtarde
 2: Entrefina / Medium / Demi-douce
 3: Fina / Smooth / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tolerancia en corte según la norma / Cutting tolerance according to / Tolérance de coupe conforme à la norme ISO 234/2 (+/- 8%)

Ángulo de corte según la norma / Angle cut according to / Angle de coupe conforme à la norme ISO 234/2 (65° +/- 5%)



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

COD.	L (inch)	W/cm		A (mm)	B (mm)	g	
63527	4	1	14	12	2,5	40	85
63528		2	22				
63529		3	28				
63530	6	1	11	16	4,0	80	114
63531		2	18				
63532		3	22				
63533	8	1	10	20	5,0	180	135
63534		2	16				
63535		3	20				
63536	10	1	9	35	6,0	270	5
63537		2	12				
63538		3	18				
63539	12	1	8	30	6,5	370	135
63540		2	11				
63541		3	16				
63542	14	1	7	35	7,5	600	135
63543		2	10				
63544		3	14				

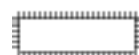
1: Basta / Bastard / Bâtarde
 2: Entrefina / Medium / Demi-douce
 3: Fina / Smooth / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tolerancia en corte según la norma / Cutting tolerance according to / Tolérance de coupe conforme à la norme ISO 234/2 (+/- 8%)

Ángulo de corte según la norma / Angle cut according to / Angle de coupe conforme à la norme ISO 234/2 (65° +/- 5%)



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

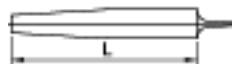
COD.	L (inch)				A (mm)	B (mm)		
63563	4	1	14	85	10,5	3,0	24	5
63564		2	22					
63565		3	28					
63566	6	1	11	16	4,5	70		
63567		2	18					
63568		3	22					
63569	8	1	10	114	20	6,0	150	
63570		2	16					
63571		3	20					
63572	10	1	9	25	7,0	260		
63573		2	12					
63574		3	18					
63575	12	1	8	135	30	8,5	370	
63576		2	11					
63577		3	16					
63578	14	1	7,0	35	10	650		
63579		2	10					
63580		3	14					

1: Basta / Bastard / Bâtarde
 2: Entrefina / Medium / Demi-douce
 3: Fina / Smooth / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tolerancia en corte según la norma / Cutting tolerance according to / Tolérance de coupe conforme à la norme ISO 234/2 (+/- 8%)
 Ángulo de corte según la norma / Angle cut according to / Angle de coupe conforme à la norme ISO 234/2 (65° +/- 5%)



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

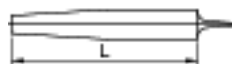
COD.	L (inch)				A (mm)		
63599	4	1	14	85	8,0	27	5
63600		2	22				
63601		3	28				
63602	6	1	11	114	11	70	
63603		2	18				
63604		3	22				
63605	8	1	10	114	15	150	
63606		2	16				
63607		3	20				
63608	10	1	9	135	17	205	
63609		2	12				
63610		3	18				
63611	12	1	8,0	135	20	340	
63612		2	11				
63613		3	16				
63614	14	1	7	135	24	600	
63615		2	10				
63616		3	14				

1: Basta / Bastard / Bâtarde
 2: Entrefina / Medium / Demi-douce
 3: Fina / Smooth / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tolerancia en corte según la norma / Cutting tolerance according to / Tolérance de coupe conforme à la norme ISO 234/2 (+/- 8%)
 Ángulo de corte según la norma / Angle cut according to / Angle de coupe conforme à la norme ISO 234/2 (65° +/- 5%)



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

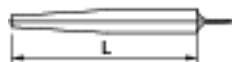
COD.	L (inch)	 /cm			A (mm)		
63635	4	1	14	85	4,0	18	
63636		2	22				
63637		3	28				
63638	6	1	11	114	6,0	36	
63639		2	18				
63640		3	22				
63641	8	1	10	135	8,0	95	
63642		2	16				
63643		3	20				
63644	10	1	9	135	10	130	
63645		2	12				
63646		3	18				
63647	12	1	8	135	12	390	
63648		2	11				
63649		3	16				
63650	14	1	7	135	15	550	
63651		2	10				
63652		3	14				

1: Basta / Bastard / Bâtarde
 2: Entrefina / Medium / Demi-douce
 3: Fina / Smooth / Douce

ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tolerancia en corte según la norma / Cutting tolerance according to / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / Angle cut according to / Angle de coupe conforme à la norme	ISO 234/2 (65° +/- 5%)



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

COD.	L (inch)	 /cm			A (mm)		
63671	4	1	13	85	4,0	13	
63672		2	16				
63673		3	19				
63674	6	1	11	114	6,0	34	
63675		2	14				
63676		3	17				
63677	8	1	10	135	7,5	75	
63678		2	13				
63679		3	16				
63680	10	1	9	135	9,5	150	
63681		2	12				
63682		3	15				
63683	12	1	8	135	12	270	
63684		2	11				
63685		3	14				
63686	14	1	7	135	15	550	
63687		2	10				
63688		3	13				

1: Basta / Bastard / Bâtarde
 2: Entrefina / Medium / Demi-douce
 3: Fina / Smooth / Douce

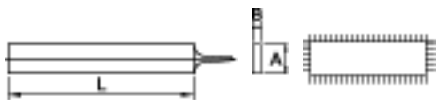
ISO 234/1 - ISO 234/2

ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES

Tolerancia en corte según la norma / Cutting tolerance according to / Tolérance de coupe conforme à la norme	ISO 234/2 (+/- 8%)
Ángulo de corte según la norma / Angle cut according to / Angle de coupe conforme à la norme	ISO 234/2 (65° +/- 5%)



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



COD.	L (inch)		 /cm	A (mm)	B (mm)		
63689	8	2	16	25	5,0	230	10

2 : Entrefina / Medium / Demi-douce

ISO 234/1 - ISO 234/2



■ JUEGOS / SETS / JEUX / SÄTZE / ASSORTIMENTI / JOGOS / НАБОРЫ

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.	PCS.
63760	5

PCS./UN.	COD. PCS.	Descripción / Description / Description	L (inch)
1	63536	Lima plana punta basta / Bastard flat file	10
	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.	PCS.
63762	5

PCS./UN.	COD. PCS.	Descripción / Description / Description	L (inch)
1	63537	Lima plana punta entrefina / Medium flat file	10
	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.	PCS.
63767	5

PCS./UN.	COD.	PCS.	Descripción / Description / Description	L (inch)
1	63538		Lima plana punta fina / Smooth flat file	10
	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	



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 (inch)			A (mm)	g	
63692	4	4	85	4,5	10	5
63693	5			6,0	25	

4: Extrafina / Very smooth / Extrafine

ISO 234/1 - ISO 234/2



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 (inch)			A (mm)	g	
63696	4	4	85	4,0	10	5
63697	5			5,0	20	

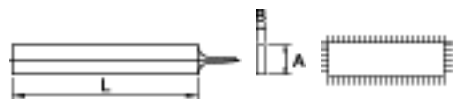
4: Extrafina / Very smooth / Extrafine

ISO 234/1 - ISO 234/2



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

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



COD.	L (inch)	W/cm		A (mm)	B (mm)	g		
63700	10	3	115	24	7,0	125	5	I
63701	12			28	8,0	220		

ISO 234/1 - ISO 234/2



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

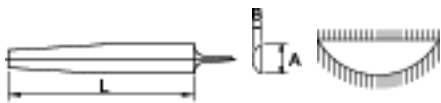


COD.	L (inch)	 /cm		A (mm)	 g	
63712	8	3	114	9,5	60	5
63713	10			11	125	

ISO 234/1 - ISO 234/2



■ ESCOFINAS MEDIA CAÑA / HALF ROUND RASPS / RAPES DEMI-ROND / HALBRUND RAPPS / RASPA MEZZOTONDA / GROSAS MEIA CANA / ПОЛУКРУГЛЫЙ РАШПИЛЬ



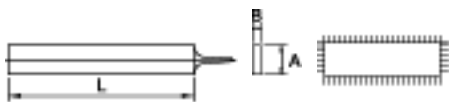
COD.	L (inch)	 /cm		A (mm)	B (mm)	 g	
63706	6	3	85	16	4,0	80	5
63707	8			20	5,5	140	
63708	10			24	7,0	240	
63709	12			28	8,0	370	

ISO 234/1 - ISO 234/2



■ 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



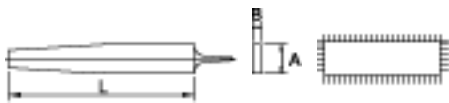
COD.	L (inch)	 /cm	A (mm)	B (mm)	 g		
63714	6	2	25	16	3,3	70	24

2: Entrefina / Medium / Demi-douce

ISO 234/1 - ISO 234/2



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



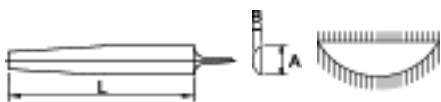
COD.	L (inch)	 /cm	A (mm)	B (mm)	 g		
63715	6	2	25	16	3,3	65	24

2: Entrefina / Medium / Demi-douce

ISO 234/1 - ISO 234/2



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



COD.	L (inch)	 /cm	A (mm)	B (mm)	 g		
63716	6	2	25	16	4,2	65	24

2: Entrefina / Medium / Demi-douce

ISO 234/1 - ISO 234/2



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



COD.	L (inch)		W/cm	A (mm)	g		
63717	6	2	25	5,5	30	24	I

2: Entrefina / Medium / Demi-douce

ISO 234/1 - ISO 234/2



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



COD.	L (inch)		W/cm	A (mm)	g		
63718	6	2	25	11	60	24	I

2: Entrefina / Medium / Demi-douce

ISO 234/1 - ISO 234/2



■ **LIMAS CUADRADAS / SQUARE FILES / LIMES CARRÉES / VIERKANTFEILEN / LIMA QUADRA / LIMATÕES QUADRADOS / КВАДРАТНЫЙ НАДФИЛЬ**



COD.	L (inch)		W/cm	A (mm)	g		
63719	6	2	25	5,0	35	24	I

2: Entrefina / Medium / Demi-douce

ISO 234/1 - ISO 234/2



■ **SET**

COD.	PCS.
63768	6

PCS./UN.	COD. PCS.	L (inch)
1	63714	6
	63715	
	63716	
	63717	
	63718	
	63719	

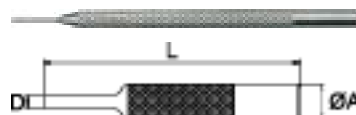


■ **BOTADORES CILÍNDRICOS / PIN PUNCHES / CHASSES GOUPILLES / DURCHSCHLÄGER / PUNZONE CILINDRICO / PUNÇÕES CILÍNDRICOS / ПРОБОЙНИКИ**

■ **MOLETEADOS / KNURLED / MOLETAGE / GERÄNDELT / ZIGRINATO / RECARTILHADOS / С НАСЕЧКОЙ**

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

DIN 6450



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

COD.	PCS.
68590	7

PCS./UN.	COD. PCS.	D (mm)
1	63380	2
	63381	3
	63382	4
	63383	5
	63384	6
	63385	8
	63386	10



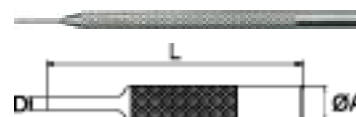
MOLETEADOS LARGOS / LONG KNURLED / LONG MOLETAGE / LANG GERÄNDEL / ZIGRINATO LARGO / RECARTILHADOS LONGOS / ДЛИННЫЕ С НАСЕЧКОЙ

COD.	D (mm)	L (mm)	A (mm)	g	
63387	2	150	8	49	25
63388	3			50	
63389	4			55	
63390	5		10	75	
63391	6			80	
63392	8			115	
63393	10		14	160	

DIN 6450

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



SET

COD.	PCS.
68591	7

PCS./UN.	COD. PCS.	D (mm)
1	63387	2
	63388	3
	63389	4
	63390	5
	63391	6
	63392	8
	63393	10



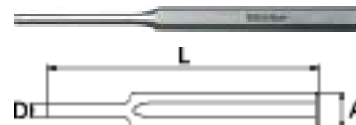
HEXAGONALES / HEXAGONAL / A SIX PANS / HEXAGONAL / ESAGONALI / HEXAGONAIS / ШЕСТИГРАННАЯ

COD.	D (mm)	L (mm)	A (mm)	g	
63394	2	100	8,0	28	25
63395	3			40	
63396	4			42	
63397	5	150	10	65	
63398	6			70	
63399	8		12	90	
63400	10			95	

DIN 6450

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



SET

COD.	PCS.
63763	7

PCS./UN.	COD. PCS.	D (mm)
1	63394	2
	63395	3
	63396	4
	63397	5
	63398	6
	63399	8
	63400	10



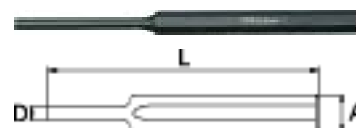
OCTOGONAL / OCTOGONAL / ОКТОГОНАЛ / OCTOGONAL / OTTAGONALE / OCTOGONAIS / ВОСЬМИГРАННЫЕ

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

DIN 6450

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



SET

COD.	PCS.
68592	7

PCS./UN.	COD. PCS.	D (mm)
1	63401	2
	63402	3
	63403	4
	63404	5
	63405	6
	63406	8
	63407	10



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

COD.	D (mm)	L (mm)	A (mm)		
63447	2	165	8	65	10
63448	3	175			
63449	4	185			
63450	5	200	10	100	
63451	6			110	
63452	7			150	
63453	8	210	12	160	
63454	9			170	
63455	10			230	
63456	12	220	14	240	
63457	14			330	
63458	16			430	
		250	18	500	

DIN 6450

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



■ BOTADORES CÓNICOS / TAPER PUNCHES / CHASSE CLOU / KÖRNER / PUNZONE CONICO / PUNÇÕES CÔNICOS / КОНИЧЕСКИЕ ПРОБОЙНИКИ

■ MOLETEADOS / KNURLED / MOLETAGE / GERÄNDEL / ZIGRINATO / RECARTILHADOS / С НАСЕЧКОЙ

COD.	D (mm)	L (mm)	A (mm)		
63408	2	125	8	44	25
63409	3			45	
63410	4			47	
63411	5		10	70	
63412	6		12	100	
63413	8		14	130	
63414	10				

DIN 6458

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

■ SET

COD.	PCS.
68593	7

PCS./UN.	COD. PCS.	D (mm)
1	63408	2
	63409	3
	63410	4
	63411	5
	63412	6
	63413	8
	63414	10



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

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

DIN 6458

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

■ SET

COD.	PCS.
63764	7

PCS./UN.	COD. PCS.	D (mm)
1	63415	2
	63416	3
	63417	4
	63418	5
	63419	6
	63420	8
	63421	10



■ OCTOGONAL / OCTOGONAL / ОКТОГОНАЛ / OCTOGONAL / OTTAGONALE / OCTOGONAIS / ВОСЬМИГРАННЫЕ

COD.	D (mm)	L (mm)	A (mm)		
63422	2	120	10	60	25
63423	3			65	
63424	4	150		75	



COD.	D (mm)	L (mm)	A (mm)			
63425	5	150	10	80	25	
63426	6		12	120		
63427	8					
63428	10			135		

DIN 6458

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

COD.	PCS.
68594	7

PCS./UN.	COD. PCS.	D (mm)
1	63422	2
	63423	3
	63424	4
	63425	5
	63426	6
	63427	8
	63428	10



CON MANGO / WITH HANDLE / CHASSE CLOU EMMENCHÉ / MIT GRIFF / CON MANICO / COM CABO / С РУКОЯТКОЙ

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

DIN 6458

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



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

MOLETEADOS / KNURLED / MOLETAGE / GERÄNDELT / ZIGRINATO / RECARILHADOS / С НАСЕЧКОЙ

COD.	D (mm)	L (mm)	A (mm)		
63429	2,5	125	8	42	25
63430	3			43	
63431	4			45	
63432	6		10	70	
63433	8		12	100	
63434	10		14	130	

DIN 7250

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



SET

COD.	PCS.
68595	6

PCS./UN.	COD. PCS.	D (mm)
1	63429	2,5
	63430	3
	63431	4
	63432	6
	63433	8
	63434	10



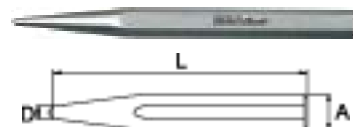
HEXAGONALES / HEXAGONAL / A SIX PANS / HEXAGONAL / ESAGONALI / HEXAGONAIS / ШЕСТИГРАННАЯ

COD.	D (mm)	L (mm)	A (mm)		
63435	2,5	100	8	35	25
63436	3			40	
63437	4	115	10	70	
63438	6	125	12	120	
63439	8	150		130	
63440	10	160			

DIN 7250

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



SET

COD.	PCS.
63765	6

PCS./UN.	COD. PCS.	D (mm)
1	63435	2,5
	63436	3
	63437	4
	63438	6
	63439	8
	63440	10



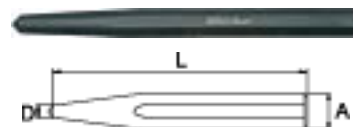
OCTOGONAL / OCTOGONAL / OKTOGONAL / OCTOGONAL / OTTAGONALE / OCTOGONAIS / ВОСЬМИГРАННЫЕ

COD.	D (mm)	L (mm)	A (mm)		
63441	2,5	120	10	60	25
63442	3			65	
63443	4		12	95	
63444	6			105	
63445	8				
63446	10				

DIN 7250

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



SET

COD.	PCS.
68596	6

PCS./UN.	COD. PCS.	D (mm)
1	63441	2,5
	63442	3
	63443	4
	63444	6
	63445	8
	63446	10



CON MANGO / WITH HANDLE / POINTEAU EMMENCHÉ / MIT GRIFF / CON MANICO / COM CABO / С РУКОЯТКОЙ

COD.	D (mm)	L (mm)	A (mm)		
63466	2	165	8	75	10
63467	3				
63468	4				
63469	5	175	10	115	
63470	6			120	
63471	8	185	12	165	

DIN 7250

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

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

6 PCS.

COD.	PCS.	
69953	6	700

PCS./UN.	COD.	PCS.	Descripción / Description / Description	
1	62847		Cinzel mecánico / Flat cold chisel	12 x 11 x 100 mm
	62848			15 x 14 x 125 mm
	63398		Botador cilíndrico / Pin punch	6 x 10 x 150 mm
	63396			4 x 8 x 150 mm
	63416		Botador cónico / Taper punch	3 x 10 x 125 mm
	63436		Granete / Center punch	3 x 8 x 100 mm

COD.	PCS.	
69954	6	700

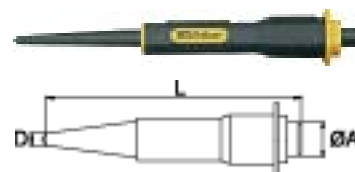
PCS./UN.	COD.	PCS.	Descripción / Description / Description	
1	62847		Cinzel mecánico / Flat cold chisel	12 x 11 x 100 mm
	62848			15 x 14 x 125 mm
	62871		Buril plano / Crosscut chisel	5 x 14 x 125 mm
	63396		Botador cilíndrico / Pin punch	4 x 8 x 150 mm
	63416		Botador cónico / Taper punch	3 x 10 x 125 mm
	63436		Granete / Center punch	3 x 8 x 100 mm

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

6 PCS.

COD.	PCS.	
69957	6	500

PCS./UN.	COD.	PCS.	Descripción / Description / Description	
1	63394			2 x 8 x 100 mm
	63395			3 x 8 x 150 mm
	63396		Botador cilíndrico / Pin punch	4 x 8 x 150 mm
	63397			5 x 10 x 150 mm
	63398			6 x 10 x 150 mm
	63399			8 x 12 x 150 mm



COD.	PCS.	
69958	6	700
PCS./UN.	COD. PCS.	Descripción / Description / Description
1	63394	2 x 8 x 100 mm
	63395	3 x 8 x 150 mm
	63396	4 x 8 x 150 mm
	63397	5 x 10 x 150 mm
	63398	6 x 10 x 150 mm
	63399	8 x 12 x 150 mm



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

6 PCS.

COD.	PCS.	
69955	6	700
PCS./UN.	COD. PCS.	Descripción / Description / Description
1	63415	2 x 10 x 125 mm
	63416	3 x 10 x 125 mm
	63417	4 x 10 x 125 mm
	63418	5 x 10 x 125 mm
	63419	6 x 10 x 125 mm
	63437	Granete / Center punch



COD.	PCS.	
69956	6	750
PCS./UN.	COD. PCS.	Descripción / Description / Description
1	63415	2 x 10 x 125 mm
	63416	3 x 10 x 125 mm
	63417	4 x 10 x 125 mm
	63418	5 x 10 x 125 mm
	63419	6 x 10 x 125 mm
	63437	Granete / Center punch



60 PCS.

COD.	PCS.	
55565	60	4
PCS./UN.	COD. PCS.	Descripción / Description / Description
5	63415	2 x 10 x 125 mm
	63416	3 x 10 x 125 mm
	63417	4 x 10 x 125 mm
	63418	5 x 10 x 125 mm
	63419	6 x 10 x 125 mm
	63438	Granete / Center punch
	63439	8 x 12 x 150 mm
	63394	2 x 8 x 100 mm
	63395	3 x 8 x 150 mm
	63396	4 x 8 x 150 mm
	63397	5 x 10 x 150 mm
	63398	6 x 10 x 150 mm



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 Астана (7172)727-132
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Иваново (4932)77-34-06

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 Иркутск (395)279-98-46
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Казахстан (772)734-952-31