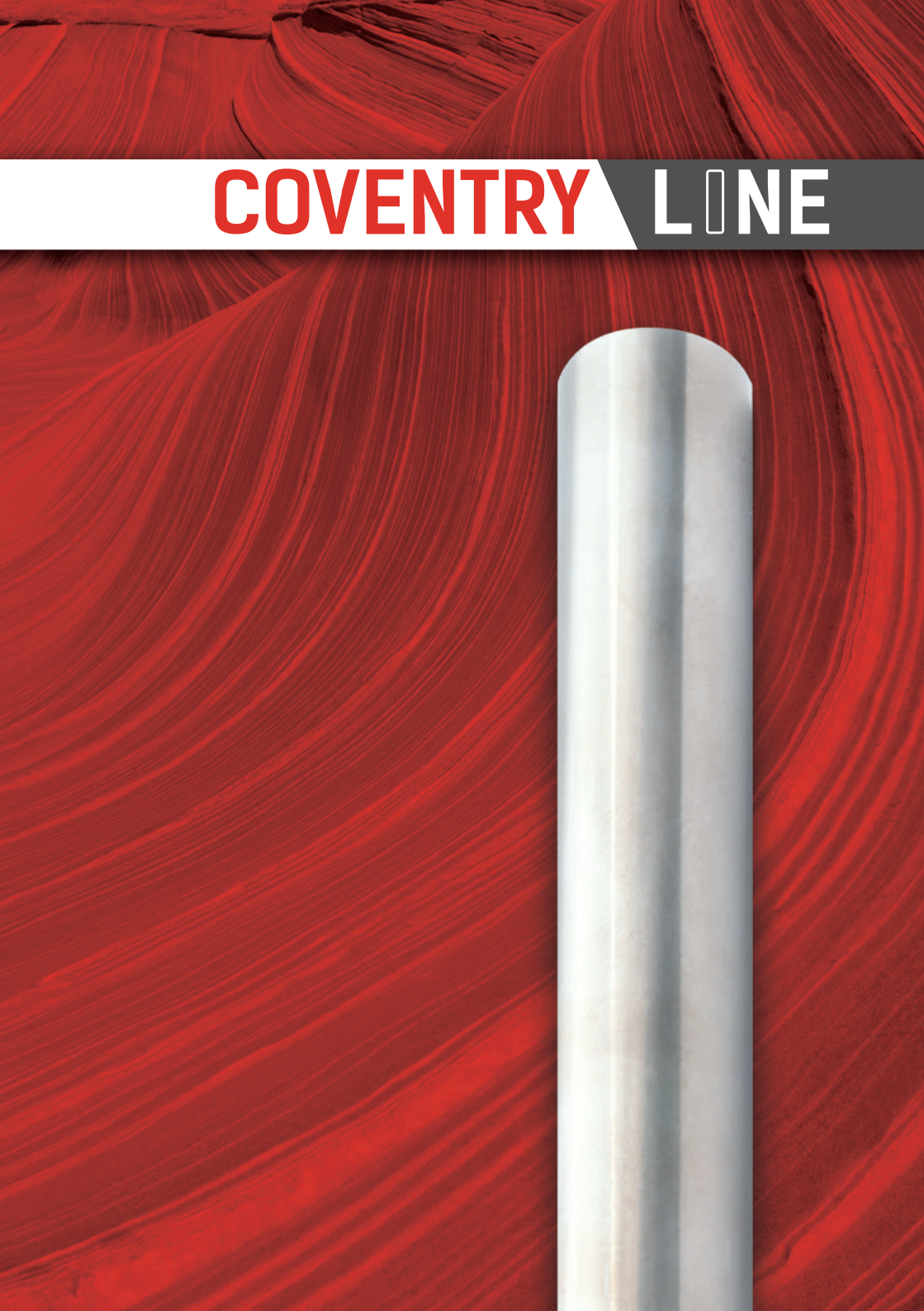
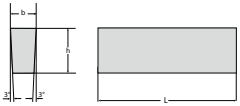
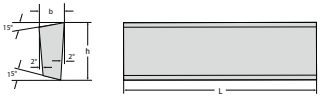
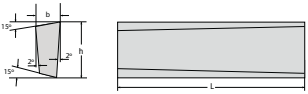
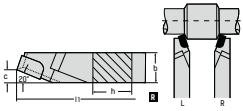
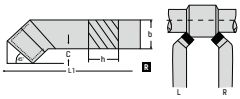
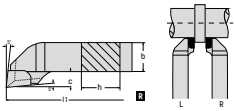
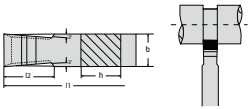
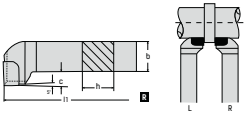
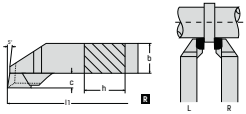
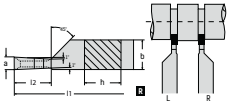
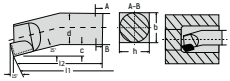
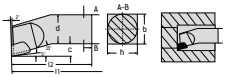
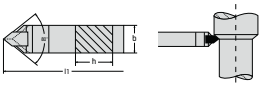
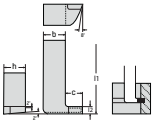
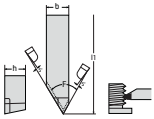
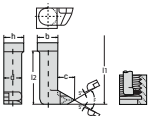
COVENTRY LINE



Reference	Picture	Page
NORM A DIN 4964		260
NORM B DIN 4964		261
NORM D DIN 4964		262
NORM E DIN 4964		263
NORM L-1 DIN 4964		264
NORM L-2 DIN 4964		264
ISO - 1 DIN 4971		265
ISO - 2 DIN 4972		265
ISO - 3 DIN 4978		266
ISO - 4 DIN 4976		266

Reference	Picture	Page
ISO - 5 DIN 4977		266
ISO -6 DIN 4980		267
ISO - 7 DIN 4981		267
ISO - 8 DIN 4973		268
ISO - 9 DIN 4974		268
ISO - 10 DIN 4975		268
ISO-11 DIN 282		269
ISO 352 DIN 282		269
ISO 353 DIN 283		269

MANUFACTURING PROGRAM: Welded hard metal tools for turning

PROGRAMA DE FABRICACIÓN: Herramientas soldadas de metal duro para torno

NORM / NORMA	**description** / descripción
DIN 4971 - ISO 1	**Turning tool** Herramienta de tornear
DIN 4972 - ISO 2	**Turning tool 45º** Herramienta de tornear 45º
DIN 4978 - ISO 3	**Finishing tool** Herramienta de acabado
DIN 4976 - ISO 4	**Width grooving tool** Herramienta para ataque frontal
DIN 4977 - ISO 5	**Front cutting tools** Herramienta desplazada para frontales
DIN 4980 - ISO 6	**Turning tool 90º** Herramienta para tornear y refrentar
DIN 4981 - ISO 7	**Grooving / Parting tool** Herramienta de ranurar y tronzar
DIN 4973 - ISO 8	**Internal boring tool roughing** Herramienta de torneado interior desbaste
DIN 4974 - ISO 9	**Internal boring tool finishing** Herramienta de torneado interior acabado
DIN 4975 - ISO 10	**Pointed straight turning tool** Herramienta de torno para acabados

DIN 282 - ISO 352	**External thread tool** Herramienta para roscado exterior
DIN 283 - ISO 353	**TInternal thread tool** Herramienta para roscado interior
DIN 263 - ISO 354	**Internal grooving / parting tool** Herramienta para ranurado interior

Certified Quality

Calidad certificada

Coventry Tool Bits Co 10% / Cuchillas Coventry Co 10%

High grade Co10	DIN EW9Co10	1.3207

Mechanical Characteristics / Características mecánicas

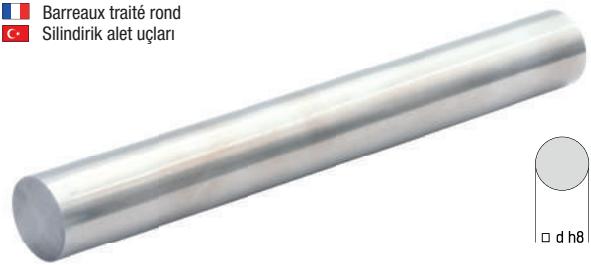
HRc hardness	65-69

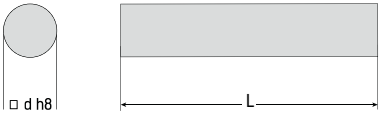
Chemical Analyse / Análisis químico

C %	Cr %	Mo %	V %	W %	Co %
1,25	4,1	5,2	3,5	9,5	10

CYLINDRICAL TOOL BITS

Cuchilla redonda
Barreaux traité rond
Silindirik alet uçları





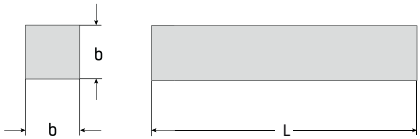
NORM A | DIN 4964 A | Co 10% | HSS | Tol. h8

Cod.	d	l
7420200100	2	100
7420300100	3	100
7420300160	3	160
7420300200	3	200
7420400100	4	100
7420400160	4	160
7420400200	4	200
7420500100	5	100
7420500160	5	160
7420500200	5	200
7420600100	6	100
7420600160	6	160
7420600200	6	200
7420700100	7	100
7420800100	8	100
7420800160	8	160
7420800200	8	200

Cod.	d	l
7420900100	9	100
7420900160	9	160
7420900200	9	200
7421000100	10	100
7421000160	10	160
7421000200	10	200
7421200100	12	100
7421200160	12	160
7421200200	12	200
7421400160	14	160
7421400200	14	200
7421600100	16	100
7421600160	16	160
7421600200	16	200
7421800200	18	200
7422000200	20	200

SQUARE TOOL BITS

Cuchilla cuadrada
Barreaux traité carrée
Kare alet uçları



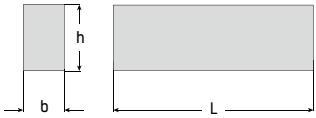
NORM B | DIN 4964 B | Co 10% | HSS | Tol. h13

Cod.	h	b	l
7120404100	4	4	100
7120404160	4	4	160
7120404200	4	4	200
7120505100	5	5	100
7120505160	5	5	160
7120505200	5	5	200
7120606100	6	6	100
7120606160	6	6	160
7120606200	6	6	200
7120707200	7	7	200
7120808100	8	8	100
7120808160	8	8	160
7120808200	8	8	200
7121010100	10	10	100
7121010160	10	10	160

Cod.	h	b	l
7121010200	10	10	200
7121212100	12	12	100
7121212160	12	12	160
7121212200	12	12	200
7121414100	14	14	100
7121414160	14	14	160
7121414200	14	14	200
7121616100	16	16	100
7121616160	16	16	160
7121616200	16	16	200
7121818160	18	18	160
7121818200	18	18	200
7122020160	20	20	160
7122020200	20	20	200
7122525200	25	25	200

RECTANGULAR TOOL BITS

Cuchilla rectangular
Barreaux traité rectangulaire
Dikdörtgen alet uçları

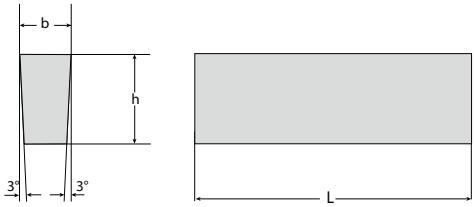


NORM D | DIN 4964 D | Co 10% | HSS | Tol. h13

Cod.	h	b	l
7520804100	8	4	100
7521005160	10	5	160
7521006160	10	6	160
7521206160	12	6	160
7521206200	12	6	200
7521208200	12	8	200
7521505200	15	5	200
7521604100	16	4	100
7521604160	16	4	160
7521608200	16	8	200
7521610160	16	10	160
7522004200	20	4	200
7522005160	20	5	160
7522010160	20	10	160
7522012200	20	12	200
7522506200	25	6	200
7522512200	25	12	200

TRAPEZOID TOOL BITS

Cuchilla trapezoidal
Lame à tronçonner et saigner
Yamuk alet uçları

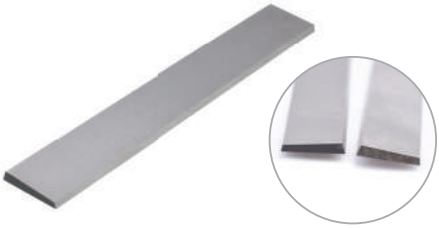


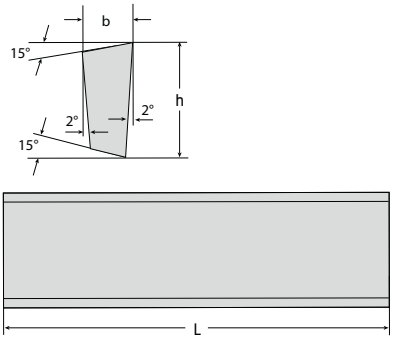
NORM E | DIN 4964 E | Co 10% | HSS | Tol. h13

Cod.	h	b	l
7621025200	10	2,5	200
7621203125	12	3	125
7621604160	16	4	160
7621604200	16	4	200
7622005160	20	5	160
7622005200	20	5	200

IRREGULAR TRAPEZOID TOOL BITS L-1

Cuchilla trapezoidal L-1
Lame à tronçonner L-1
Düzensiz yamuk alet uçları L-1



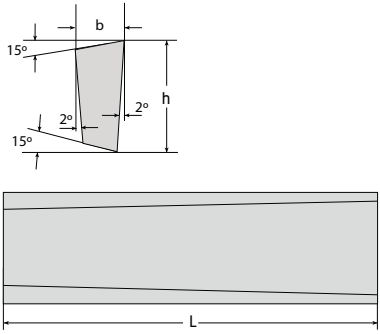


NORM L-1 | DIN 4964 | Co 10% | HSS

Cod.	h	b	l1
1212513100	2,5	13	100
1212515100	2,5	15	100
1213519125	3,5	19	125

IRREGULAR TRAPEZOID TOOL BITS L-2

Cuchilla bitrapezoidal L-2
Lame à tronçonner L-2
Düzensiz yamuk alet uçları L-2

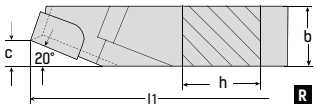


NORM L-2 | DIN 4964 | Co 10% | HSS

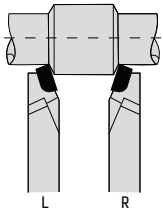
Cod.	h	b	l1
1312513100	2,5	13	100
1312515100	2,5	15	100
1313519125	3,5	19	125

TURNING TOOL

Herramienta de tornear
Outil à charioter droit
Torna aracı



ISO 1 > DIN 4971 > P-20 > STEEL > K 10/20 > GG(G) > NON FERROUS > UNI

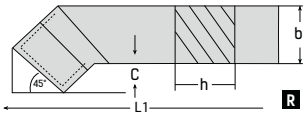


Cod.	Quality	R / L	h	b	l1
1111010	P20	R	10	10	90
1111212	P20	R	12	12	100
1111616	P20	R	16	16	110
1112020	P20	R	20	20	125
1112525	P20	R	25	25	140
1121616	P20	L	16	16	110
1122020	P20	L	20	20	125
1122525	P20	L	25	25	140
1311010	K10/20	R	10	10	90
1311212	K10/20	R	12	12	100
1311616	K10/20	R	16	16	110
1312020	K10/20	R	20	20	125
1312525	K10/20	R	25	25	140
1321616	K10/20	L	16	16	110
1322020	K10/20	L	20	20	125
1322525	K10/20	L	25	25	140

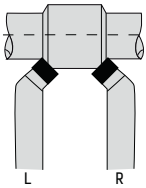
Referencias en stock permanente.
Consultar para otras medidas y calidades.

TURNING TOOL 45º

Herramienta de tornear 45º
Outil à charioter coudé 45º
Torna aleti 45º



ISO 2 > DIN 4972 > P-20 > STEEL > K 10/20 > GG(G) > NON FERROUS > UNI



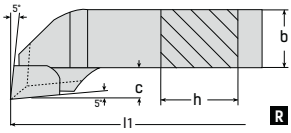
Cod.	Quality	R / L	h	b	l1
2111010	P20	R	10	10	90
2111212	P20	R	12	12	100
2111616	P20	R	16	16	110
2112020	P20	R	20	20	125
2112525	P20	R	25	25	140
2121616	P20	L	16	16	110
2122020	P20	L	20	20	125
2122525	P20	L	25	25	140
2311010	K10/20	R	10	10	90
2311212	K10/20	R	12	12	100
2311616	K10/20	R	16	16	110
2312020	K10/20	R	20	20	125
2312525	K10/20	R	25	25	140
2321616	K10/20	L	16	16	110
2322020	K10/20	L	20	20	125
2322525	K10/20	L	25	25	140

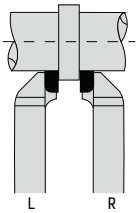
Referencias en stock permanente.
Consultar para otras medidas y calidades.

FINISHING TOOL

Herramienta de acabado
Outil à finir d'angle
Son işlem aracı

ISO 3 | DIN 4978



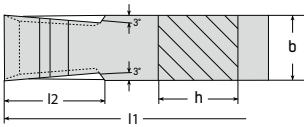


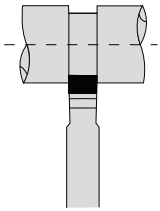
Referencias únicamente disponibles bajo pedido en 3-4 semanas.
Consultar medidas, materiales y precios.

WIDTH GROOVING TOOL

Herramienta para ataque frontal
Outil pelle
Genişlik kanal açma aracı

ISO 4 | DIN 4976



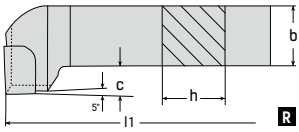


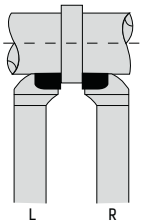
Referencias únicamente disponibles bajo pedido en 3-4 semanas.
Consultar medidas, materiales y precios.

FRONT CUTTING TOOLS

Herramienta desplazada para frontales
Outil à dresser les faces
Ön Kesme aletleri

ISO 5 | DIN 4977

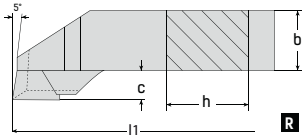


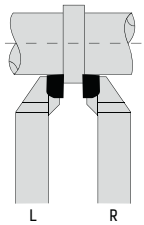


Referencias únicamente disponibles bajo pedido en 3-4 semanas.
Consultar medidas, materiales y precios.

TURNING TOOL 90º

- Herramienta para tornear y refrentar
- Couteau revageur 90º
- Torna aleti 90º





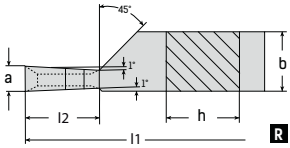
ISO 6 > DIN 4980 > P-20 > STEEL > K 10/20 > GG(G) > NON FERROUS > UNI

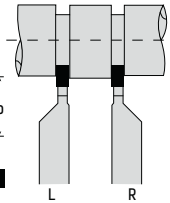
Cod.	Quality	R / L	h	b	l1
6111010	P20	R	10	10	90
6111212	P20	R	12	12	100
6111616	P20	R	16	16	110
6112020	P20	R	20	20	125
6112525	P20	R	25	25	140
6121616	P20	L	16	16	110
6122020	P20	L	20	20	125
6122525	P20	L	25	25	140

Cod.	Quality	R / L	h	b	l1
6311010	K10/20	R	10	10	90
6311212	K10/20	R	12	12	100
6311616	K10/20	R	16	16	110
6312020	K10/20	R	20	20	125
6312525	K10/20	R	25	25	140
6321616	K10/20	L	16	16	110
6322020	K10/20	L	20	20	125
6322525	K10/20	L	25	25	140

GROOVING / PARTING TOOL

- Herramienta de ranurar y tronzar
- Outil à gorge d'exterieur
- Kanal Açma/Ayırma aracı





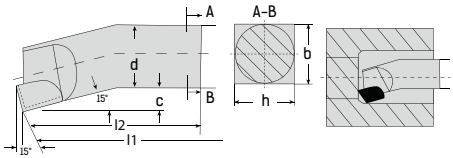
ISO 7 > DIN 4981 > P-20 > STEEL > K 10/20 > GG(G) > NON FERROUS > UNI

Cod.	Quality	R / L	h	b	l1	a
7111208	P20	R	12	8	100	3
7111610	P20	R	16	10	110	4
7112012	P20	R	20	12	125	5
7112516	P20	R	25	16	140	6
7121208	P20	L	12	8	100	3
7121610	P20	L	16	10	110	4
7122012	P20	L	20	12	125	5
7122516	P20	L	25	16	140	6

Cod.	Quality	R / L	h	b	l1	a
7311208	K10/20	R	12	8	100	3
7311610	K10/20	R	16	10	110	4
7312012	K10/20	R	20	12	125	5
7312516	K10/20	R	25	16	140	6
7321208	K10/20	L	12	8	100	3
7321610	K10/20	L	16	10	110	4
7322012	K10/20	L	20	12	125	5
7322516	K10/20	L	25	16	140	6

INTERNAL BORING TOOL ROUGHING

- Herramienta de torneado interior desbaste
- Outil à aléser débouchant
- İç Delik işleme takımı kaba işleme



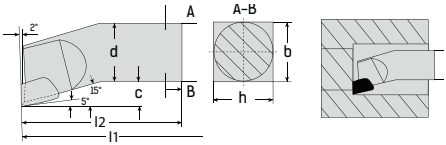
ISO 8 | DIN 4973 | P-20 > STEEL | K 10/20 > GG(G) > NON FERROUS > UNI

Cod.	Quality	R / L	h	b	l1	ø min
8110808	P20	R	8	8	125	14
8111010	P20	R	10	10	150	18
8111212	P20	R	12	12	180	21
8111616	P20	R	16	16	210	27
8112020	P20	R	20	20	250	34
8112525	P20	R	25	25	300	43
8113232	P20	R	32	32	355	52

Cod.	Quality	R / L	h	b	l1	ø min
8310808	K10/20	R	8	8	125	14
8311010	K10/20	R	10	10	150	18
8311212	K10/20	R	12	12	180	21
8311616	K10/20	R	16	16	210	27
8312020	K10/20	R	20	20	250	34
8312525	K10/20	R	25	25	300	43
8313232	K10/20	R	32	32	355	52

INTERNAL BORING TOOL FINISHING

- Herramienta de torneado interior acabado
- Outil à aléserfond plat
- İç Delik işleme takımı bitirme



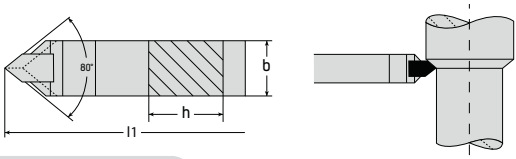
ISO 9 | DIN 4974 | P-20 > STEEL | K 10/20 > GG(G) > NON FERROUS > UNI

Cod.	Quality	R / L	h	b	l1	ø min
9110808	P20	R	8	8	125	14
9111010	P20	R	10	10	150	18
9111212	P20	R	12	12	180	21
9111616	P20	R	16	16	210	27
9112020	P20	R	20	20	250	34
9112525	P20	R	25	25	300	43
9113232	P20	R	32	32	355	52

Cod.	Quality	R / L	h	b	l1	ø min
9310808	K10/20	R	8	8	125	14
9311010	K10/20	R	10	10	150	18
9311212	K10/20	R	12	12	180	21
9311616	K10/20	R	16	16	210	27
9312020	K10/20	R	20	20	250	34
9312525	K10/20	R	25	25	300	43
9313232	K10/20	R	32	32	355	52

POINTED STRAIGHT TURNING TOOL

- Herramienta de torno para acabados
- Outil de finition droit
- Sivri düz torna aleti



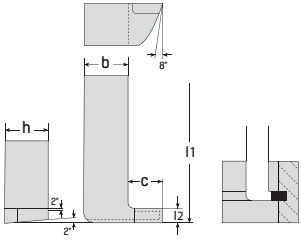
ISO 10 | DIN 4975 | P-20 > STEEL | K 10/20 > GG(G) > NON FERROUS > UNI

Cod.	Quality	R / L	h	b	l1	ø min
9131616	P20	N	16	16	110	12,10
9132020	P20	N	20	20	125	16,20
9132525	P20	N	25	25	140	27,30

Cod.	Quality	R / L	h	b	l1	ø min
9331616	K10/20	N	16	16	110	12,10
9332020	K10/20	N	20	20	125	16,20
9332525	K10/20	N	25	25	140	27,30

INTERNAL GROOVING / PARTING TOOL

Herramienta para ranurado interior
Outil à gorge d'interieur
İç kanal açma/ayırma takımı



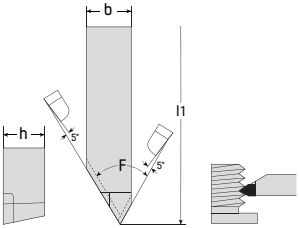
ISO 11 | DIN 263 | P-20 > STEEL | K 10/20 > GG(G) > NON FERROUS > UNI

Cod.	Quality	R / L	h	b	l1	ø min
9161010	P20	R	10	10	140	22
9161212	P20	R	12	12	160	25
9161616	P20	R	16	16	180	34
9162020	P20	R	20	20	210	42
9162525	P20	R	25	25	250	60

Cod.	Quality	R / L	h	b	l1	ø min
9361010	K10/20	R	10	10	140	22
9361212	K10/20	R	12	12	160	25
9361616	K10/20	R	16	16	180	34
9362020	K10/20	R	20	20	210	42
9362525	K10/20	R	25	25	250	60

EXTERNAL THREAD TOOL 60º

Herramienta para roscado exterior 60º
Outil à fileter d'exterieur 60º
Dıştan dış açma aleti 60º

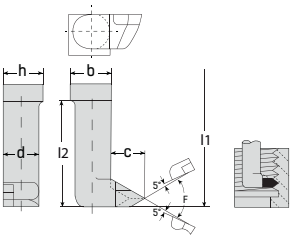


ISO 352 | DIN 282 | P-20 > STEEL | K 10/20 > GG(G) > NON FERROUS > UNI

Cod.	Quality	R / L	h	b	l1
9141212	P20	R	12	12	100
9141616	P20	R	16	16	120
9142020	P20	R	20	20	140
9142525	P20	R	25	25	160

INTERNAL THREAD TOOL 60º

Herramienta para roscado interior 60º
Outil à fileter d'interieur 60º
İçten dış açma aleti 60º



ISO 353 | DIN 283 | P-20 > STEEL | K 10/20 > GG(G) > NON FERROUS > UNI

Cod.	Quality	R / L	h	b	l1	ø min
9151010	P20	R	10	10	140	22
9151212	P20	R	12	12	160	26
9151616	P20	R	16	16	180	32
9152020	P20	R	20	20	210	38
9152525	P20	R	25	25	250	45

COVENTRY LINE

	COVENTRY TOOLS BITS CUCHILLAS COVENTRY			CARBIDE BRAZED TURNING TOOLS PLACA SOLDADA			
	CO 10%	**SPEZIAL**	**ASP-60**	**P-20**	**P-40**	**K-10**	**M-10**
MATERIAL MANUFACTURING **MATERIAL DE FABRICACIÓN**	**Average speed steel 10% cobalt alloy. First choice quality.** Acero rápido HSS-E aleación Cobalto 10% Calidad universal de primera opción.	**High-speed steel cobalt alloy, Tungsten and Carbon.** Acero rápido de aleación alta en Cobalto, Tungsteno y Carbono.	**High alloy ASP-60 podwer metallurgical grade with a more even distribution of Cobalt, Tungsten and Carbide particles.** Acero sinterizado pulvimetalúrgico ASP-60 aleación grano fino Cobalto, Tungsteno y Carbono.	**Premium carbide imported from Germany and under ISO.** Metal duro de primera calidad importado de Alemania y bajo las normas ISO.			
APPLICATIONS **APLICACIONES**	**Turning, grooving and parting off. General purpose cutting tools** Torneado, tronzado y herramientas de corte diversas planas y rotativas.	**High feed turning. Means cutting depths.** Torneado de alto avance. Profundidades de corte medios.	**High wear resistance. High strenght cutting edge.** Elevada resistencia al desgaste en torneado y tronzado.	**Turning, grooving, threading. General machining.** Torneado, ranurado, roscado. Mecanizado en general.	**Turnind, grooving, high feed or difficult conditions.** Torneado, ranurado, corte interrumpido o grandes avances.	**Turning, grooving, threading. General machining.** Torneado, ranurado, roscado. Mecanizado en general.	**Turning, grooving, threading. General machining.** Torneado, ranurado, roscado. Mecanizado en general.
MACHINNING **MECANIZACIÓN**	**Tough materials Wood Extrusion Shearing tools** Materiales tenaces Madera Extrusión Herramientas de cizallar	**Tough materials Wood Extrusion Shearing tools** Materiales tenaces Madera Extrusión Herramientas de cizallar	**Carbon steel, stainless steel, aluminium alloys, heat resistant alloys.** Aceros al carbono, aceros aleados, aleaciones de aluminio, aceros refractarios.	**Firts choice grade for general turning steel.** Calidad universal para mecanizado de aceros en general.	**Steel machininig under difficult conditions.** Mecanizado de acero en condiciones difíciles, bajas velocidades o corte interrumpido.	**Universal grade for cast iron, aluminium, abrasive materials and cooper alloys.** Mecanizado universal de fundiciones, aluminios y materiales abrasivos. Aleaciones de cobre a alta temperatura.	**Turning stainless steels and wear resistance manganese steels.** Mecanizado de aceros inoxidables y aceros al manganeso.
RESISTANCE **RESISTENCIA**	**Allowed in difficult cutting conditions.** Alta tenacidad y resistencia al choque.	**High wear resistance and machining with high concentration of heat.** Alta resistencia al desgaste y a las mecanizaciones con alta concentración de calor.	**High wear resistance. High strenght cutting edge.** Alta resistencia al desgaste. Alta resistencia de la arista de corte.	**High wear resistance.** Alta resistencia al desgaste.	**Allowed in difficult cutting conditions.** Alta tenacidad y resistencia al choque.	**High wear resistance.** Alta resistencia al desgaste.	**High wear resistance.** Alta resistencia al desgaste.
REGRINDING **AFILADOS**	**with ceramic or CBN wheels.** Afilado sin problemas con muelas cerámicas o CBN.	**Regrinding easily with ceramic or CBN wheels.** Afilado sin problemas con muelas cerámicas o CBN.	**Regrinding easily with ceramic or CBN wheels.** Afilado sin problemas con muelas cerámicas o CBN.	**Silicon carbide wheel, finish with diamond wheel.** Muelas de carburo de sicilio y acabado con muela de diamante.			
SPECIAL FEATURES **CARACTERÍSTICAS ESPECIALES**	**Good results in wide materials range.** Excelentes resultados en amplia gama de materiales.	**Better wear resistance at cutting edge.** Resistencia al desgaste en el filo de corte mejorada.	**Increased productivity by higher cutting conditionds and increase wear resistance.** Mayor productividad por más altas condiciones de corte y mayor resistencia al desgaste.	**Optimal performance in machining processes.** Rendimiento óptimo en procesos de mecanizado.			