

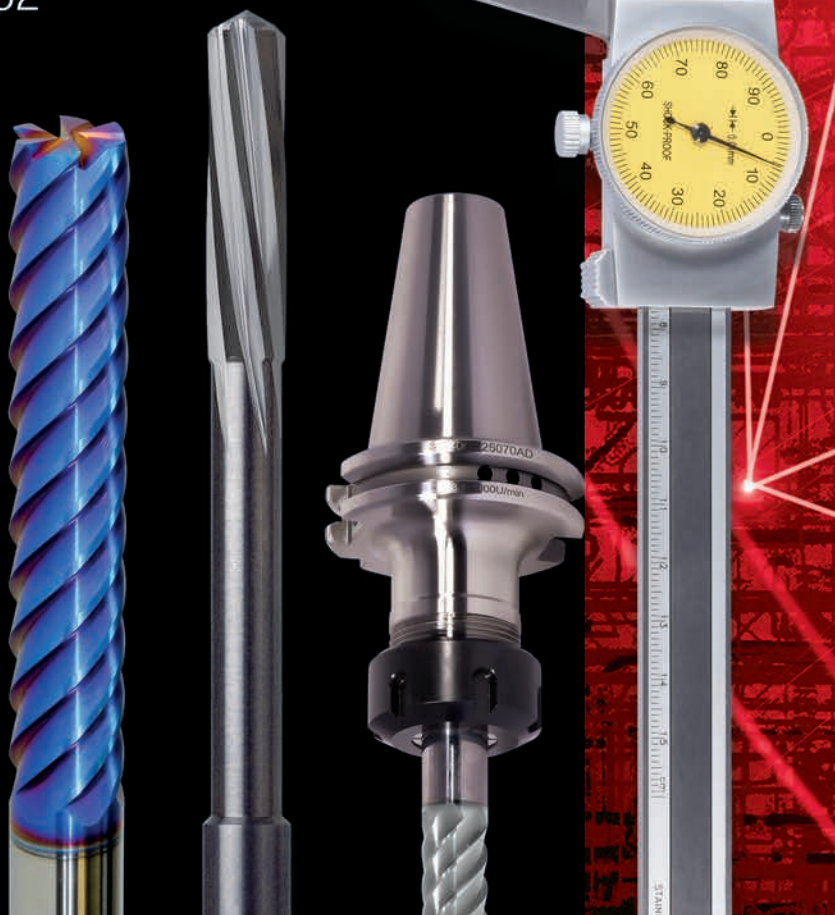


Helion[®]

2018-19

WORKING FOR YOUR SUCCESS

Since 1952





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High Performance Cutting Tools

At HELION we have been providing solutions in the machining field for more than 60 years. We are specialist in cutting tools, and as we say, we are successful when our partners are successful. Our target is to optimize machining operations of our customers in order to increase their productivity by reducing machining times.

At HELION we have highly qualified technical staff, which enables us to offer what we call the integral solution: we first understand your need; we provide you the required product and make sure it works. For whatever is your need, technical and commercial advising is at your disposal. We keep innovating thanks to the ongoing formation of your engineers as well as our attendance at the most notorious international exhibitions in the field.

Another advantage of HELION is the large stock of products we keep at your disposal, ready for immediate shipment, thus preventing our clients from having to keep their own stocks.

We have a Quality/Price ratio that make us really competitive, just order some tools for test purposes and you will see the result.

If you have any question, please do call us. We are here to serve you!

Herramientas de corte de alto rendimiento

En HELION proporcionamos soluciones en el campo del mecanizado desde hace más de 60 años. Somos especialistas en herramientas de corte, y como solemos decir, "Nuestro éxito reside en el éxito de nuestros clientes". Nuestro objetivo es optimizar las operaciones de mecanizado de nuestros clientes con el fin de aumentar su productividad mediante la reducción de los tiempos de mecanizado.

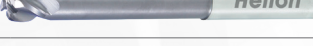
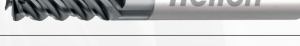
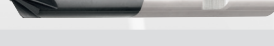
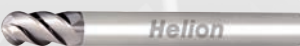
En HELION contamos con personal técnico altamente cualificado, lo que nos permite ofrecer lo que llamamos una solución integral: en primer lugar, entendemos su necesidad, ponemos a su disposición el producto requerido y nos aseguramos de que funciona. Por muy grande que sea su necesidad, nuestro asesoramiento técnico y comercial está a su disposición. Seguimos innovando gracias a la formación permanente de nuestros ingenieros, así como nuestra participación en las ferias internacionales más conocidas dentro del campo.

Otra ventaja de HELION es el gran stock de productos que mantenemos a su disposición listo para su envío inmediato, evitando de este modo que nuestros clientes tengan que almacenar sus propias reservas.

Tenemos una relación calidad / precio que nos hace muy competitivos, solicite algunas herramientas con fines de prueba y comprobará los resultados.

Si tiene alguna pregunta, por favor llámenos. ¡Estamos aquí para servirle!

● First choice ○ Suitable

Reference	Picture	Description	Ø Range (mm)	Helix angle	Coating	PM	75 HRC	70 HRC	62 HRC	45 HRC	600N/mm² <1400N/mm²	INOX	GG/G	TITAN	NE	HSC	HHC	HPC	Full Slot	Side Milling	Copy	Interpolation	Ramping	Trochoidal	Movement					
							Stainless Steel	Cast Iron	Inconel/Hastelloy	Non Ferrous	High Speed Cutting	High Hard Cutting	High Performance Cutting																	
90.6221		BALL NOSE Z2	0,50 - 12,0	35°	Racer				●	●	●	○		●	○	○	●	○		○	○	●	○	○		●				
90.6202		END MILL SQUARE Z2	0,10 - 20,0	35°	Racer				●	●	●	○		●	○	○	●	○		●	●		○	○	○	●				
90.6204		END MILL SQUARE Z2 LONG	3,0 - 16,0	35°	Racer				●	●	●	○		●	○	○	●	○		●	●		○	○		●				
90.6702		END MILL Z2	1,0 - 12,0	30°	Racer				●	●	●	○		●	○	○	●	○		●	●		○	○	○		●	●		
90.6704		END MILL Z4	3,0 - 12,0	30°	Racer				●	●	●	○		●	○	○	●	○		●	●		○	○		●				
90.5572		END MILL TROCHOIDAL Z5	6,0 - 20,0	40°	Racer				○	●	●	●		●			●		●	●		●	●	●	●					
90.6402		END MILL SQUARE Z4	3,0 - 20,0	35°	Racer				●	●	●	○		●	○	○	●	○		○	●		○	○	●		●			
90.6404		END MILL SQUARE Z4 LONG	4,0 - 20,0	35°	Racer				●	●	●	○		●	○	○	●	○		○	●			○		●				
90.6412		CORNER RADIUS Z4	2,0 - 16,0	30°	TiAlN				●	●	●	○		●	○	○	●	○		●	●			○		●				
90.6413		CORNER RADIUS Z4 LONG	6,0 - 16,0	30°	TiAlN				●	●	●	○		●	○	○	●	○		●	●			○		●				
90.6572		SUPERFINISHING Z6	3,0 - 20,0	40° / 42°	TiAlN				●	●	●	○		●	○	○	●	○			●			○					●	
90.6460		DEBURRING TOOL 60°	4,0 - 20,0	-	TiAlN				●	●	●	○		●	○	○	●	○		Ch 60º	●					●				
90.6490		DEBURRING TOOL 90°	1,0 - 20,0	-	TiAlN				●	●	●	○		●	○	○	●	○		Ch 90º	●					●				
91.6424		BALL NOSE LONG Z4	6,0 - 12,0	42°	Volcano					○	○	●		○	●	○	●		●	○	○	●	○	○	●	●				
91.6302		END MILL SQUARE Z3	3,0 - 12,0	42°	Volcano					○	○	●		○	●	○	●		●	●		○	○		●		○			
91.1479		END MILL Z4	3,0 - 20,0	35° / 38°	Volcano Plus					○	●	●		●	○	○	●		●	●		○	○		●	●				
91.4472		END MILL Z4	6,0 - 20,0	45°	Volcano					○	○	●		○	●	○	●		●	●		○	○		●	●				
91.5479		END MILL Z4	3,0 - 20,0	40°	Volcano					○	○	●		○	●	○	●		●	●		○	○		●	●				
91.6410		CORNER RADIUS Z4	4,0 - 12,0	42°	Volcano					○	○	●		○	●	○	●		●	●	●	○	○		●	●				
91.6614		SQUARE ROUGHING Z4	5,0 - 20,0	42°	Volcano					○	○	●		○	●	○	●		●	●	●	○	○	○	●					

● First choice ○ Suitable

	Reference	Picture	Description	Ø Range (mm)	Helix angle	Coating	PM	75 HRC70 HRC62 HRC45 HRC600N/mm²<1400N/mm²					INOX Stainless Steel	GG/G Cast Iron	TITAN Inconel/Hastelloy	NE Non Ferrous	HSC	HHC	HPC	Full Slot	Side Milling	Copy	Interpolation	Ramping	Trochoidal	Movement			
																	High Speed Cutting	High Hard Cutting	High Performance Cutting										
HELI MOTION	92.6823		BALL NOSE LONG NECK Z2	0,10 - 5,0	30°	Deep Blue		●	●	●	○			○			●	●	●	○	○	●	○	○		●			
	92.6228		BALL NOSE CONICAL Z2	1,0 -12,0	30°	Deep Blue		●	●	●	○			○			●	●	●	○	○	●	○	○		●			
	92.6224		BALL NOSE LONG Z2	1,0 -12,0	30°	Deep Blue		●	●	●	○			○			●	●	●	○	○	●	○	○	●	●			
	92.6403		END MILL SQUARE Z4	4,0 - 12,0	45°	Deep Blue		●	●	●	○			○			●	●	●	○	●		○		●		●		
	92.6813		CORNER RADIUS LONG NECK Z2	0,2 - 6,0	30°	Deep Blue		●	●	●	○			○			●	●	●	●	●	●	○	○		●			
	92.6505		FINISHING Z6 - Z8	4,0 - 25,0	45°	Deep Blue		●	●	●	○			○			●	●	●		●				●				●
	92.6415		CORNER RADIUS Z4	3,0 - 12,0	30°	Deep Blue		●	●	●	○			○			●	●	●	○	●		○	○	●	●			
HELI HARD	93.1824		BALL NOSE CBN Z2	1,0 -6,0	30°	Solid CBN	●	●	●	●							●	●	●	○	○	●	○	○		●			
	93.1810		CORNER RADIUS CBN Z2	1,0 -6,0	30°	Solid CBN	●	●	●	●							●	●	●	○	○	●	○	○		●			
HELI AIR	94.3223		BALL NOSE ALU Z2	1,0 - 12,0	45°	Speed										●	●		●	○	○	●				●			
	94.3213		CORNER RADIUS Z2	1,0 - 12,0	45°	Speed										●	●		●	●	●	●	○	○		●			
	94.3302		END MILL Z3	3,0 - 25,0	43° / 47°	Speed ZR										●	●		●	●	●	●	●	●		●			
	94.3409		END MILL Z4	3,0 - 20,0	43° / 47°	Speed ZR										●	●		●	●	●	●	●	●		●			
	94.3535		FINISHING Z6	6,0 - 20,0	45°	Speed ZR										●	●		●	○	●	●	●	●					●
HSS-E	89.0602 89.0604		ROUGHING END MILLS Z4	6,0 - 24,0 10,0 - 20,0	30°	Bright		●			○		●	○	○				●	●		●	●		●				
	89.0402		END MILLS Z4-Z6	2,0 - 32,0	30°	Bright		●			○		●	○	○				●	●		●	●		●				
	89.0404		END MILLS Z4-Z6	3,0 - 40,0	30°	Bright		●			○		●	○	○				●	●		●	●		●				
	89.0202		END MILLS Z2	3,0 - 20,0	30°	Bright		●			○		●	○	○				●	●		●	●		●				
	89.0204		END MILLS Z2 LONG	3,0 - 20,0	30°	Bright		●			○		●	○	○				●	●		●	●		●				
	89.0302		END MILLS Z3	2,8 - 20,0	30°	Bright		●			○		●	○	○				●	●		●	●		●				
	89.0221		BALL NOSE Z2	2,0 - 20,0	30°	Bright		●			○		●	○	○					○	○	●				●			
	89.0223		BALL NOSE Z2 LONG	3,0 - 20,0	30°	Bright		●			○		●	○	○					○	○	●				●			

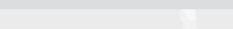
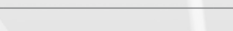
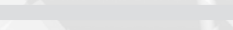
● First choice ○ Suitable

Reference	Picture	Description	Ø Range (mm)	Front angle	LxD	Diameter Tolerance	DIN	Coating	Internal coolant	Shank design	600N/mm² <1400N/mm²	HRC	INOX	GG/G	TITAN	NE	UNI	HSC	HHC	HPC
													Stainless Steel	Cast Iron	Exotic alloys	Non Ferrous	Universal application	High Speed Cutting	High Hard Cutting	High Performance Cutting
60.6003		DRILL 3XD	3,0 - 20,0	140°	3xD	m7	6537K	DRILLANT		HA	●	55	○	●	○	○	●	●		●
60.6005		DRILL 5XD	3,0 - 20,0	140°	5xD	m7	6537L	DRILLANT		HA	●	55	○	●	○	○	●	●		●
60.6803		DRILL 3XD INTERNAL COOLANT	3,0 - 20,0	140°	3xD	m7	6537K	DRILLANT	●	HA	●	55	○	●	○	○	●	●		●
60.6805		DRILL 5XD INTERNAL COOLANT	3,0 - 20,0	140°	5xD	m7	6537L	DRILLANT	●	HA	●	55	○	●	○	○	●	●		●
60.6808		DRILL 8XD INTERNAL COOLANT	3,0 - 20,0	140°	8xD	m7	—	DRILLANT	●	HA	●	55	○	●	○	○	●	●		●
60.6812		DRILL 12XD INTERNAL COOLANT	3,0 - 20,0	135°	12xD	h7	—	DRILLANT	●	HA	●	55	○	●	○	○	●	●		●
62.0010		SOLID CARBIDE TAP DESTROYER	2,5 - 17,5 M3 -M20	—	—	—	—	TiN-Up		HA	●	60<65					●	●	●	●
62.6000		SPECIAL DRILL 50-68HRC	2,60 - 14,1 M3-M16	120°	3xD	m7	6537K	TiAIN		HA	○	50<68		○					●	●
67.6885		SOLID CARBIDE DRILLREAMER H7	5,98 - 20,0	140°	5xD	H7	—	TiAIN	●	HA	●	55	○	●			●			●
11.1360		HSSCo DRILL DIN 1897	1,0 - 14,0	118°	3xD	h8	1897	TiN U-NEWDRIILL		HA	●		●	●	○	●	○	●		●
11.2360		HSSCo DRILL DIN 338	1,0 - 14,0	118°	5xD	h8	338	TiN U-NEWDRIILL		HA	●		●	●	○	●	○			
10.2000		HSS DRILL DIN 338	1,0 - 16,0	118°	5xD	h8	338	BLACK HVA		HA	●			●		●	○			
12.2105		HSS DRILL DIN 338	1,0 - 13,0	118°	5xD	h8	338	TiN-Up		HA	●			●		●	○			
10.5690		HSSCo NC 90° SPOTTING DRILL	3,0 - 20,0	90°	—	h6	—	TiAIN		HB	●		●	●	○	●	●			●
10.5612		HSSCo NC 120° SPOTTING DRILL	3,0 - 20,0	120°	—	h6	—	TiAIN		HB	●		●	●	○	●	●			●
10.5510		HSS CENTER DRILL DIN 333A	0,5 - 12,5	118°	—	—	333A	Bright		HA	●		○	●	○	●	○			
10.5514		HSS CENTER DRILL DIN 333A XTRA LONG	2,0 - 3,15	118°	—	—	333A	Bright		HA	●		○	●	○	●	○			

● First choice ○ Suitable

														INOX	GG/G	TITAN	Non Ferrous		HSC	HHC	HPC	
Reference	Picture	Thread style	Description	Coating	Ø Range (mm)	Tolerance	Trough h.	Blind h.	NORM	UNI	500N/mm² <1200N/mm²	800N/mm² <1400N/mm²	42-54 HRC	48-63 HRC	Stainless Steel	Cast Iron	Inconel/ Hastelloy	ALU NE	PLAS- TIC	High Speed Cutting	High Hard Cutting	High Performance Cutting
4990		M	Threading mill - Solid Carbide	TiAlN	M2 - M12		●	●	Helion	●	●	●	●		●	●	●	○	○	●	●	●
4991		M-MF	Threading mill - Solid Carbide	TiAlN	M4 - M16		●	●	Helion	●	●	●	●		●	●	●	○	○	●	●	●
48.7010		M	Forming tap HSSE	TiN Up	M3 - M10	6HX	●	●	2174	●	●	○			●	●		○	○			
48.7016		M	Forming tap HSSE	TiN Up	M12 - M20	6HX	●	●	2174	●	●	○			●	●		○	○			
40.1040		M	Universal tap HSSE	Black HVA	M3 - M10	6H	●		371	●	●	○			●	●		○	○			
40.1046		M	Universal tap HSSE	Black HVA	M12 - M20	6H	●		376	●	●	○			●	●		○	○			
40.1640		M	Universal tap HSSE 6G tolerance	Black HVA	M3 - M10	6G	●		371	●	●	○			●	●		○	○			
40.1140		MF	Universal tap HSSE	Black HVA	MF4 - MF20	6H	●		376	●	●	○			●	●		○	○			
40.1240		GAS (BSP)	Universal tap HSSE	Black HVA	G 1/8 - G 1"	6H	●		5156	●	●	○			●	●		○	○			
40.1340		UNF (SAE)	Universal tap HSSE	Black HVA	UNF4 - UNF 5/8	2B	●		371/376	●	●	○			●	●		○	○			
40.1440 40.1446		UNC	Universal tap HSSE	Black HVA	UNC 4 - UNC 3/4 UNC 7/8 - UNC 3/4	2B	●		371/376	●	●	○			●	●		○	○			
41.6040		M	Universal tap HSSE PM	TiN Up	M2 - M10	6H	●		371	●	●	●			●	○		○	○	●		●
41.6046		M	Universal tap HSSE PM	TiN Up	M12 - M20	6H	●		376	●	●	●			●	○		○	○	●		●
45.5040		M	High performance tap HSSE	DSC	M2 - M10	6HX	●		371		●	●			●	○	○	○	○	●		●
45.5046		M	High performance tap HSSE	DSC	M12 - M30	6HX	●		371		●	●			●	○	○	○	○	●		●
45.5144		MF	High performance tap HSSE	DSC	MF6 - MF24	6HX	●		376		●	●	●		●	○	○	○	○	●		●
45.5245		GAS (BSP)	High performance tap HSSE	DSC	G 1/16 - G 1"	—	●		5156		●	●			●	○	○	○	○	●		●
44.0040		M	Tap for Aluminium HSSE	Bright	M3 - M10	6H	●		371									●	●	●		●
44.0046		M	Tap for Aluminium HSSE	Bright	M12 - M20	6H	●		376									●	●	●		●
43.2810		M	Tap HSSE-PM for Cast Iron and Steel. Internal Coolant	TiCN	M5 - M10	6HX	●	●	371			● > 1000 N/mm²			●			○				●
43.2816		M	Tap HSSE-PM for Cast Iron and Steel. Internal Coolant	TiCN	M10 - M14	6HX	●	●	376			● > 1000 N/mm²			●			○				●
43.2117		MF	Tap HSSE-PM for Cast Iron and Steel. Internal Coolant	TiCN	MF5 - MF16	6HX	●	●	376			● > 1000 N/mm²			●			○				●
46.4040		M	Inconel, Nickel alloys	TiCN	M3 - M10	6HX	●		371						○		●					●
46.4046		M	Inconel, Nickel alloys	TiCN	M12 - M16	6HX	●		376						○		●					●

● First choice ○ Suitable

						Tolerance		 Trough h.  Blind h.				500N/mm² <1200N/mm²		800N/mm² <1400N/mm²		42-54 HRC		48-63 HRC		INOX Stainless Steel		GG/G Cast Iron		TITAN Inconel/ Hastelloy		Non Ferrous ALU NE PLAS- TIC		HSC High Speed Cutting		HHC High Hard Cutting		HPC High Performance Cutting				
Reference	Picture	Thread style	Description	Coating	Ø Range (mm)					NORM	UNI																									
43.2010		M	Tap for hardened steel HSSE- PM	TiCN		6HX	●	●		Helion				○	●																●	●				
47.9010		M	Tap for hardened steel Solid Carbide	TiCN		6H	●	●		Helion						○	●														●	●				
40.1060		M	Universal tap HSSE	Black HVA		6H	○	●		371	●	●		○				●	●			○	○													
40.1066		M	Universal tap HSSE	Black HVA		6H	○	●		376	●	●		○				●	●			○	○													
40.1050		M	Universal tap HSSE Form E	Black HVA		6H	○	●		371-E	●	●		○				●	●			○	○													
40.1660		M	Universal tap HSSE 6G tolerance	Black HVA		6G	○	●		371	●	●		○				●	●			○	○													
40.1160		MF	Universal tap HSSE	Black HVA	MF4 - MF20	6H	○	●		376	●	●		○				●	●			○	○													
40.1260		GAS (BSP)	Universal tap HSSE	Black HVA	G 1/8 - G 1"	—	○	●		5156	●	●		○				●	●			○	○													
40.1360		UNF (SAE)	Universal tap HSSE	Black HVA	UNF4 - UNF 5/8	2B	○	●		374C	●	●		○				●	●			○	○													
40.1460 40.1466		UNC	Universal tap HSSE	Black HVA	UNC 4 - UNC 3/8 UNC 7/16 - UNC 3/4	2B	○	●		371/376	●	●		○				●	●			○	○													
40.7068		M	Universal tap HSSE long	TiN Up		6HX	○	●		Helion	●	●		○				●	●			○	○													
40.7060		M	Universal tap HSSE	TiN Up		6H	○	●		371	●	●		○				●	●			○	○													
40.7066		M	Universal tap HSSE	TiN Up		6HX	○	●		376	●	●		○				●	●			○	○													
41.6050		M	Universal tap HSSE PM	TiN Up		6H	○	●		371	●	●		●				●	○			○	○	●								●				
41.6056		M	Universal tap HSSE PM	TiN Up		6H	○	●		376	●	●		●				●	○			○	○	●									●			
45.4060		M	High performance tap HSSE	TiAlN		6HX	○	●		371	●	○						●	○	○	○		●										●			
45.4066		M	High performance tap HSSE	TiAlN		6HX	○	●		376	●	○						●	○	○	○		●											●		
45.4164		MF	High performance tap HSSE	TiAlN	MF6 - MF24	6HX	○	●		376	●	○						●	○	○	○		●											●		
45.3265		GAS (BSP)	High performance tap HSSE	TiAlN	G1/16 - G 1"	—	○	●		5156	●	○						●	○	○	○		●											●		
44.0060		M	Tap for Aluminium HSSE	Bright		6H	○	●		371																										
44.0066		M	Tap for Aluminium HSSE	Bright		6H	○	●		376																										
46.4070		M	Inconel, Nickel alloys	TiAlN		6HX	○	●		371								○		●														●		
46.4076		M	Inconel, Nickel alloys	TiAlN		6HX	○	●		376								○		●															●	



SEE YOU
AROUND
THE WORLD

REAM LINE

REAM LINE



REAM LINE	Ø range	3 - 12	0,98 - 12,05	3,80 - 20	4 - 20
	Code	28.1202	29.1502	25.0200	25.1500
	Type	HM	HM	HSS	HSS
	Coating	Bright	Bright	Bright	Bright
	Tolerance	H7	H7	H7	H7
	Technology	UNI	UNI	UNI	Gammon
	Coolant	-	-	-	-
	Shape	45°	45°	45°	45°
	Shank design	HA	HA	HA	HA
	Steel 55 HRC	●	●		
	Steel 600-1400 N/mm²			●	●
	Pulvimetallurgic	○			
	Stainless steel	●	●	●	●
	Cast iron	●	●	●	●
	Plastic			●	●

GFK-CFK	●	●	○	●
ALU-NE	○	○	○	●
NI ALLOYS	●	●	○	●
TITAN INCONELL	●	●	○	●

● First choice ○ Suitable



MILL LINE

DRILL LINE

THREAD LINE

REAM LINE

Our speciality is the design and manufacturing of all kinds of solid carbide cutting tools: End mills, drills, reamers, taps and special tools.

Our business philosophy is to provide our customers with comprehensive solutions that improve machining operations, increase productivity, and reduce costs. Service + Quality + Performance.

More information + 34 93 877 08 69
Barcelona - Spain

Somos especialistas en el diseño y la fabricación de todo tipo de herramientas de metal duro: fresas, brocas, escariadores, machos y herramientas especiales.

Nuestra filosofía de negocio ofrece a nuestros clientes soluciones integrales que permiten mejorar las operaciones de mecanizado, aumentar la productividad y reducir los costes. Servicio, Calidad y Funcionamiento.

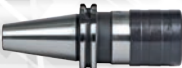
Más información + 34 93 877 08 69
Barcelona - España



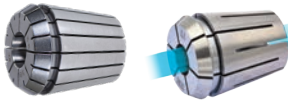
COUNT LINE	Ø range	6,30-31	6,30-31	6-20	6,30 - 8,30 - 10,40 - 12,40 - 16,50 - 20,50	6,30 - 8,30 - 10,40 - 12,40 - 16,50 - 20,50
	Code	21.0300	21.2300	21.7100	BOX2100	BOX2123
	Type	HSS	HSS	HSS	HSS	HSS
	Coating	Bright	TiAIN	TiN Up	Bright	TiAIN
	Coolant	-	-	-	-	-
	Shape	90°	90°	180°	90°	90°
	Shank design	HA	HA	HA	HA	HA
	Steel (600/1400 N/mm ²)	●	●	●	●	●
	Stainless steel	●	●	●	●	●
	Cast iron	●	●	●	●	●
	Plastic	●	○	○	●	○
	GFK-CFK	○	●	●	○	●
	ALU-NE	●	○		●	○
	NI ALLOYS		●	●		●

MAS/BT 403

DIN 69871

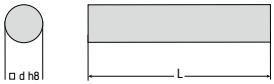
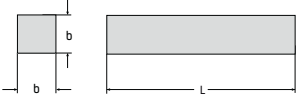
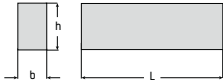
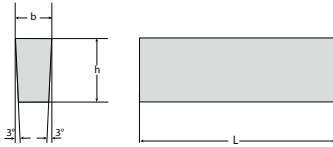
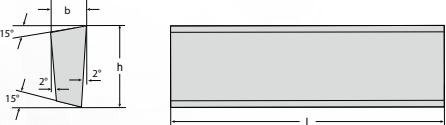
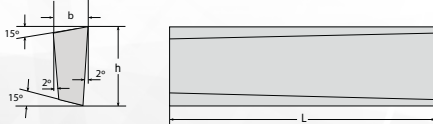
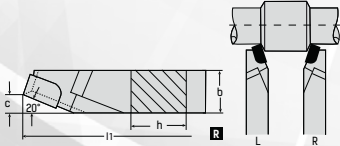
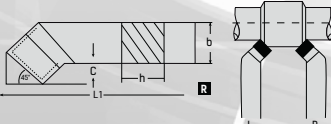
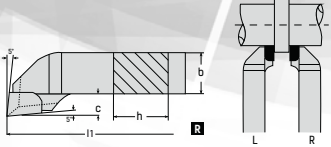
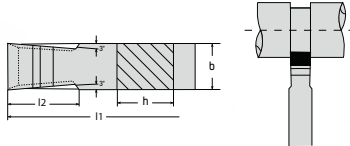
Picture	Description
	WELDON TOOLHOLDER DIN 6359 FOR END MILLS DIN 1835-B · FORM AD
	POWER MILLING CHUCK
	COLLET CHUCKS ER DIN 6499 · FORM AD
	SHELL END MILL HOLDERS FOR CUTTERS WITH INTERNAL COOLANT DIN 6357
	QUICK CHANGE TAPPING WITH LENGT COMPENSATION ON COMPRESSION AND EXPANSION · FORM A
	NC DRILLS CHUCKS FOR CLOCKWISE AND COUNTER CLOCKWISE ROTATION · FORM AD
	WELDON TOOLHOLDER DIN 6359 FOR END MILLS DIN 1835-B · FORM AD
	POWER MILLING CHUCK
	COLLET CHUCKS ER DIN 6499 · FORM AD
	SHELL END MILL HOLDER WITH ENLARGED CONTACT FACE AND INTERNAL COOLANT DIN 6357 · FORM AD
	QUICK CHANGE TAPPING WITH LENGT COMPENSATION ON COMPRESSION AND EXPANSION · FORM A
	NC DRILLS CHUCKS FOR CLOCKWISE AND COUNTER CLOCKWISE ROTATION · FORM AD

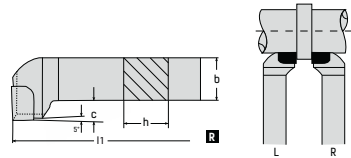
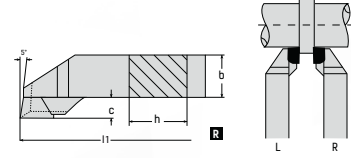
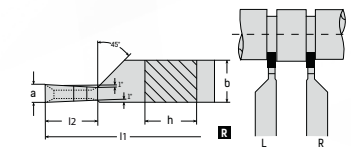
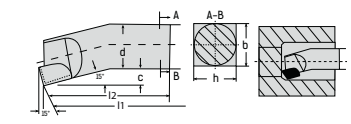
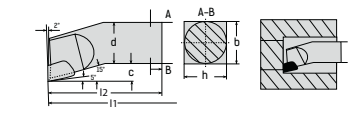
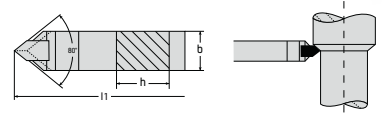
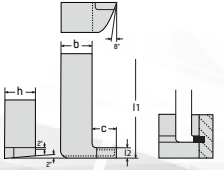
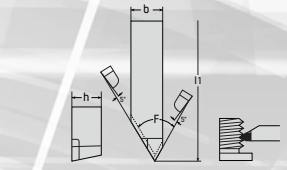
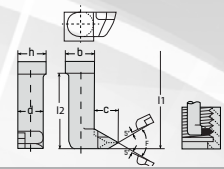
ACCESSORIES

Picture	Description
	ER COLLET DIN 6499-B
	HIGH POWER SEALED COLLETS 100% STEEL
	ER COLLET SET DIN 6499-B IN A WOODEN BOX
	QUICK-CHANGE HEAD WITH SAFETY CLUTCH
	PULL STUD DRILLED WITH O-RING DIN 69872-A
	PULL STUD MAS/BT SHORT DRILLED WITH O-RING DIN 69872
	PULL STUD DRILLED WITH O-RING ISO 7388-2B
	PULL STUD MAS/BT DRILLED WITH O-RING
	PULL STUD DRILLED WITH O-RING ISO 7388-2A
	PULL STUD OTT DRILLED WITH INTERNAL THREAD DIN 2080
	WRENCH FOR ER COLLET CHUCKS
	CLAMPING NUT FOR ER COLLET CHUCKS

Picture	Description
	VERNIER CALIPER WITH SET SCREW 150 mm
	VERNIER CALIPER WITH SET SCREW, "TOP" 150 & 200 mm
	DIAL CALIPER 150 X 0.01MM 1 TURN = 1 mm
	DIGITAL CALIPER WITH ROLL AND DATA OUTPUT 150 mm
	DIGITAL CALIPER, IP 67, MEASURING SYSTEM, 3V 150 mm
	DEPTH MEASURING BASE FOR ALL VERNIER CALIPERS UNTIL 200 mm RANGE 100x8 mm
	DIGITAL DEPTH VERNIER CALIPER, IP67 200 mm
	OUTSIDE MICROMETER SET, FRAME COATED
	OUTSIDE MICROMETER CONTROL FRAME CHROME COATED
	MICROMETER HOLDER UNTIL 200 mm
	SET OF MICROMETERS IN BOX WITH SETTING GAUGE EXTENSIONS 20-50 mm
	VIDEO INSPECTION ENDOSCOPE WITH 3.5" COLOR LCD DISPLAY. CAMERA PROBE IP67
	MAGNIFYING GLASS LENS X 2.25 LED LAMP 600 LUX STAND BASE
	DIAL INDICATOR, RANGE 10 mm x 0,01 mm 10 mm
	DIGITAL MICROMETER 0-25 mm, 25-50 mm, 50-75 mm AND 75-100 mm
	DIAL INDICATOR DIN 878, RANGE 10 mm, SPECIAL SHOCK PROOF X 0,01 mm

Picture	Description
	DIAL INDICATOR WITH MAGNETIC SUPPORT-SET IN BOX 10 mm
	DIGITAL DIAL INDICATOR, RANGE 12,5 mm X 0,01 mm
	CHAMPING TOOL FOR DIAL INDICATOR WITH 8 mm SHAFT 110 mm
	UNIVERSAL TEST INDICATOR, AS DIN 2270 11.6 mm AND WITH LONG PROBE 32 mm CARBIDE BALL D:2 mm
	UNIVERSAL TEST INDICATOR, HORIZONTAL, AS DIN 2270 11.6 mm CARBIDE BALL D:2 mm
	INTERNAL MEASURING INSTRUMENT SET, 18-160 mm, WITH DIAL INDICATOR
	Z-ZERO SETTER, NO MAGNETIC 58X50 mm
	EDGE FINDER D:10 AND D:10 + 4
	EDGE FINDER, ELECTRONIC, WITH LED-LAMPE AND BEEP SOUND 160 mm
	EDGE FINDER D:10 NO MAGNETIC, TIN COATED
	STEEL PARALLEL, IN PAIRS, HARDENED, PARALLEL ACCURACY ± 0.01 120 mm
	DIGITAL HEIGHT AND MARKING GAUGES 300 mm
	TASTER 3D SLIM PLUS FOR EASY CENTERING AND MEASUREMENT ON CNC MACHINES
	MAGNETIC DIAL SUPPORTS WITH CENTRAL CLAMPING, MECHANICAL, TOTAL HEIGHT 340 mm
	MAGNETIC DIAL SUPPORTS WITH CENTRAL CLAMPING, MECHANICAL, TOTAL HEIGHT 430 mm

Reference	Picture
NORM A DIN 4964	
NORM B DIN 4964	
NORM D DIN 4964	
NORM E DIN 4964	
NORM L-1 DIN 4964	
NORM L-2 DIN 4964	
ISO - 1 DIN 4971	
ISO - 2 DIN 4972	
ISO - 3 DIN 4978	
ISO - 4 DIN 4976	

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



MILL LINE



DRILL LINE



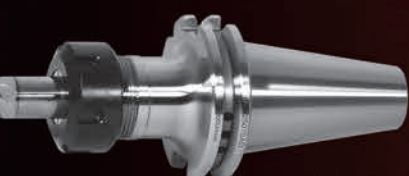
THREAD LINE



REAM LINE



COUNT LINE



CLAMP LINE



METRO LINE



COVENTRY LINE



HELION TOOLS

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