



H 92
HELMOTION

STEELS UP TO 70 HRC

High alloyed steels and
hardened materials

Aceros aleados y materiales templados

High speed cutting

Alta velocidad de corte

Super micro substrate

Super micro sustrato

Higher accurate dimensional tolerance

Tolerancia dimensional de mayor precisión



WORKING FOR YOUR SUCCESS

Since 1952



HELION TOOLS S.L. is owned by Molins family with more than 70 years of experience in the machining industry. *HELION TOOLS S.L. es una empresa propiedad de la Familia Molins con más de 70 años de experiencia en el sector del mecanizado.*

They offer solutions and collaborate back-to-back with their partners.

Since its foundation in 1952, it has grown continuously with the attitude and business philosophy of: "We work for your success". The success of its customers is Helion's number one priority.

Specialist in the manufacturing of cutting tools

within its main market segment: endmills, drills and taps in the production facility in Manresa – Spain, a wholly-owned cutting tools production site at full capacity to serve both nationally and to another 23 countries.

Cutting tools in stock and its flexibility in producing

translates into immediate deliveries of purchase orders.

Thanks to its means of production, Helion Tools can ensure an optimal and agile service level to meet supply needs. Helion Tools brand guarantees products are developed, tested and commercialized with its factory.

Helion Tools is a relationship-driven company.

In its opinion, the most important resource is people. This is remarked and identifies its business culture while guaranteeing a solid foundation for its future.

Upright behavior is a deep-rooted value among Helion Tools. It is the commitment from both the company and its partners to carry out a fair competition within the market under the premise of respect, equity and forging their own future.

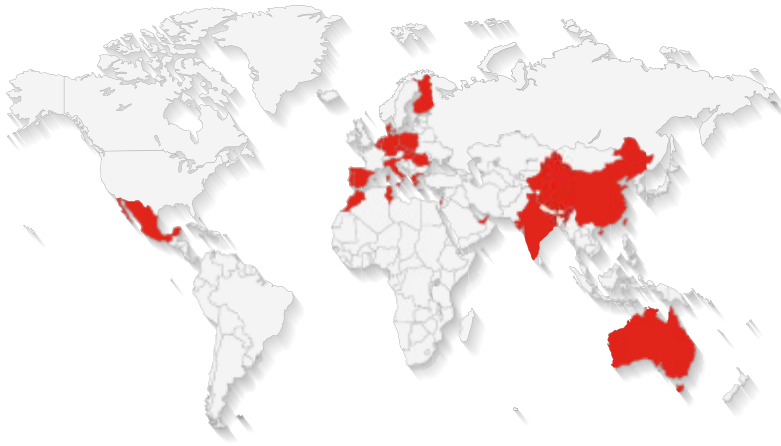
Nowadays, there must be a sense of great responsibility

towards society and the environment. They are convinced that the only way to be successful in the long term is to take always this factor into account. For this reason, Helion Tools uses natural resources in an efficient way, avoids contaminating and disposes of waste in an adequate manner.

"Each obstacle is a new challenge that encourages us to keep growing as we remain in the vanguard of state-of-the-art technologies, changing automation processes and the passion that keeps as all together for the mechanization sector...let's move forward together!" Josep Ma. Molins Pujol - President



AUSTRALIA / BELGIUM / CHINA / CZECH REPUBLIC / DENMARK / FINLAND / FRANCE / GREECE / HUNGARY
/ INDIA / ISRAEL / ITALY / MEXICO / MOROCCO / NETHERLANDS / POLAND / PORTUGAL / ROMANIA /
SLOVAKIA / SLOVENIA / SPAIN / TUNISIA / UNITED ARAB EMIRATES



Production facility located in Manresa – Spain, a wholly-owned cutting tools production site at full capacity to serve both nationally and to another 23 countries. *Planta de producción en Manresa – España, una producción propia de herramientas a pleno rendimiento en diferentes sectores industriales del país y una red de distribuidores con presencia en 23 países.*

Ofrece soluciones y acompaña a sus colaboradores en el proceso. Desde su fundación en el año 1952, ha crecido continuamente con la actitud de su filosofía de negocio: “Trabajamos para su éxito”. El triunfo de sus clientes es lo mejor que les puede pasar.

Especialistas en la fabricación de herramientas de corte en su segmento principal de fresas, brocas y herramientas de rosca en la planta de producción en Manresa – España, una producción propia de herramientas a pleno rendimiento en diferentes sectores industriales del país y una red de distribuidores con presencia en 23 países.

Herramientas en stock y flexibilidad en la producción que se traduce en la entrega inmediata de las órdenes de pedido. Disponen de medios de producción propios que aseguran un óptimo nivel de servicio y agilidad en el suministro. La marca Helion Tools, es 100% garante de productos desarrollados, probados y comercializados en su fábrica.

Helion Tools es una empresa cercana y convencida que el recurso más importante son las personas,

hecho que identifica a su cultura empresarial y les garantiza una sólida base de futuro.

La conducta íntegra tiene para Helion Tools un gran valor, es su compromiso y el de sus colaboradores llevar a cabo una competencia leal en el mercado bajo la premisa de respeto, equidad y proyección de futuro.

Conscientes que hoy más que nunca tienen una gran responsabilidad frente a la sociedad y el medio ambiente al estar convencidos de que el éxito a largo plazo dependerá de ello, de esta manera, disponen de los recursos naturales de forma eficiente, previniendo la contaminación y gestionando los residuos de forma adecuada.

“Cada dificultad es un nuevo reto que nos proyecta a continuar creciendo al mantenernos a la vanguardia de las nuevas tecnologías, crecientes procesos de automatización y la pasión que nos une por el sector del mecanizado... avancemos juntos!”

Josep Ma. Molins Pujol - Presidente



92.6228

BALL NOSE END MILL TAPER NECK Z2 · 30°

Fresa esférica de metal duro cónica Z2 · 30°

SC

HELIX
30°

DEEP
BLUE

45
HRC

62
HRC

70
HRC

GG(G)

INOX



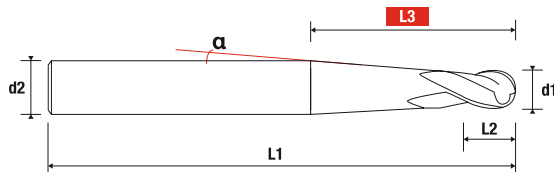
HSC

HHC

HPC



MQL



Cod.	d1	d2	L1	L2	L3	α	Z
9262280110	1	4	70	1	30	1°	2
9262280210	2	4	70	2	30	1°	2
9262280310	3	6	70	3	30	1°	2
9262280410	4	6	100	4	60	1°	2
9262280513	5	8	110	5	60	1°,30'	2
9262280613	6	8	110	9	49	1°,30'	2
9262280813	8	10	110	12	52	1°,30'	2
9262281013	10	12	130	18	54	1°,30'	2
9262281213	12	16	160	22	85	1°,30'	2



C. CONDITIONS

Ø3-Ø12

Ø1-Ø2

92.6224

BALL NOSE END MILL LONG Z2 · 30°

Fresa esférica de metal duro larga Z2 · 30°

SC

HELIX
30°

DEEP
BLUE

45
HRC

62
HRC

70
HRC

GG(G)

INOX



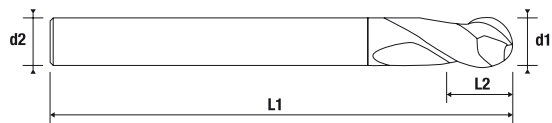
HSC

HHC

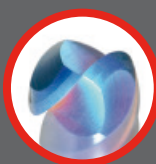
HPC



MQL



Cod.	d1	d2	L1	L2	Z
9262240100	1	6	70	2,5	2
9262240200	2	6	75	5	2
9262240300	3	6	80	8	2
9262240400	4	4	80	8	2
9262240600	6	6	90	12	2
9262240800	8	8	100	14	2
9262241000	10	10	100	18	2
9262241200	12	12	110	22	2



THE BIG
JUMP
Helion



C. CONDITIONS



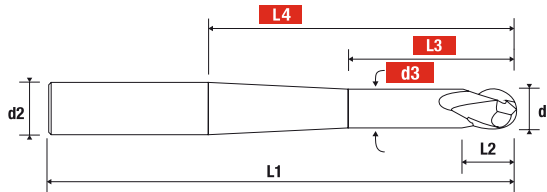
APPLICATION

BALL NOSE END MILL TAPER NECK Z2 · 30°

Fresa esférica metal duro cónica Z2 · 30°

82.6228

NEW PRODUCT



Cod.	d1	d2	d3	L1	L2	L3	L4	Z
8262280150	1,5	6	1,45	120	2,3	5	75	2
8262280201	2	6	1,85	100	3	8	40	2
8262280202	2	6	1,85	120	3	8	60	2
8262280301	3	6	2,9	100	4	12	40	2
8262280302	3	6	2,9	120	4	12	60	2
8262280401	4	6	3,85	100	5	16	40	2
8262280402	4	6	3,85	120	5	16	60	2
8262280601	6	8	5,85	100	6	25	45	2
8262280602	6	8	5,85	120	6	25	45	2
8262280603	6	10	-	150	8	-	60	2
8262280801	8	10	7,85	120	10	30	60	2
8262280802	8	10	7,85	150	10	30	60	2
8262281001	10	12	9,8	160	12	40	80	2
8262281201	12	16	11,8	160	14	50	100	2
8262281202	12	16	11,8	200	14	50	100	2



C. CONDITIONS

SC

HELIX 30° **RACER PLUS**

45 HRC **62 HRC**

GG(G)

HA

HSC **HHC**

HPC

MQL

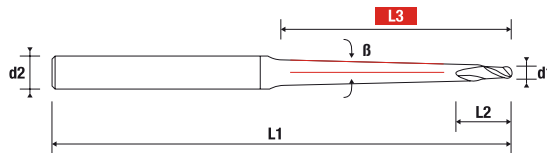


BALL NOSE END MILL TAPER NECK Z2 · 30°

Fresa esférica metal duro cónica Z2 · 30°

82.6229

NEW PRODUCT



Cod.	d1	d2	L1	L2	L3	β	Z
8262290200	2	6	100	3	60	0,5°	2
8262290201	2	6	100	3	60	1°	2
8262290202	2	6	100	3	60	1,5°	2
8262290203	2	6	100	3	57	2°	2
8262290300	3	6	100	4	60	0,5°	2
8262290301	3	6	100	4	60	1°	2
8262290302	3	6	100	4	57	1,5°	2
8262290303	3	6	100	4	43	2°	2
8262290400	4	6	100	5	60	0,5°	2
8262290401	4	6	100	5	57	1°	2
8262290402	4	6	100	5	38	1,5°	2
8262290403	4	6	100	5	29	2°	2



SC

HELIX 30° **RACER PLUS**

45 HRC **62 HRC**

GG(G)

HA

HSC **HHC**

HPC

MQL



C. CONDITIONS



92.6823

BALL NOSE END MILL LONG NECK Z2 · 30°

Fresa esférica de metal duro cuello largo Z2 · 30°

SC

HELIX
30°

DEEP
BLUE

45
HRC

62
HRC

70
HRC

GG(G)



HHC

HPC

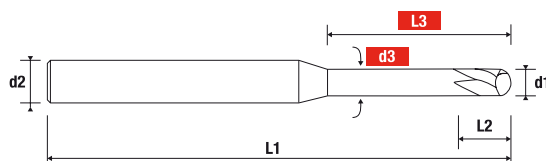
HSC



MQL



MICROTOOLS



Cod.	d1	d2	d3	L1	L2	L3	Z
9268230010	0,1	4	0,05	40	0,3	-	2
9268230205	0,2	4	0,15	40	0,2	0,5	2
9268230215	0,2	4	0,15	40	0,2	1,5	2
9268230301	0,3	4	0,25	40	0,3	1	2
9268230303	0,3	4	0,25	40	0,3	3	2
9268230402	0,4	4	0,35	40	0,4	2	2
9268230404	0,4	4	0,35	40	0,4	4	2
9268230501	0,5	4	0,45	45	0,5	1	2
9268230502	0,5	4	0,45	45	0,5	2	2
9268230503	0,5	4	0,45	45	0,5	3	2
9268230505	0,5	4	0,45	45	0,5	5	2
9268230508	0,5	4	0,45	45	0,5	8	2
9268230602	0,6	4	0,55	45	0,6	2	2
9268230604	0,6	4	0,55	45	0,6	4	2
9268230608	0,6	4	0,55	45	0,6	8	2
9268230804	0,8	4	0,75	45	0,8	4	2
9268230806	0,8	4	0,75	45	0,8	6	2
9268230810	0,8	4	0,75	45	0,8	10	2
9268231004	1	4	0,95	45	1	4	2



Cod.	d1	d2	d3	L1	L2	L3	Z
9268231006	1	4	0,95	45	1	6	2
9268231008	1	4	0,95	45	1	8	2
9268231010	1	4	0,95	50	1	10	2
9268231012	1	4	0,95	50	1	12	2
9268231016	1	4	0,95	50	1	16	2
9268231025	1	4	0,95	60	1	25	2
9268231204	1,2	4	1,15	45	1,2	4	2
9268231206	1,2	4	1,15	45	1,2	6	2
9268231208	1,2	4	1,15	45	1,2	8	2
9268231212	1,2	4	1,15	50	1,2	12	2
9268231220	1,2	4	1,15	50	1,2	20	2
9268231508	1,5	4	1,45	45	1,5	8	2
9268231510	1,5	4	1,45	50	1,5	10	2
9268231512	1,5	4	1,45	50	1,5	12	2
9268231516	1,5	4	1,45	50	1,5	16	2
9268231520	1,5	4	1,45	50	1,5	20	2
9268232004	2	4	1,90	45	2	4	2
9268232006	2	4	1,90	45	2	6	2
9268232008	2	4	1,90	45	2	8	2
9268232010	2	4	1,90	50	2	10	2
9268232012	2	4	1,90	50	2	12	2
9268232014	2	4	1,90	50	2	14	2
9268232016	2	4	1,90	50	2	16	2
9268232020	2	4	1,90	50	2	20	2
9268232508	2,5	4	2,40	45	2,5	8	2
9268232516	2,5	4	2,40	50	2,5	16	2
9268233008	3	6	2,90	50	3	8	2
9268233012	3	6	2,90	50	3	12	2
9268233020	3	6	2,90	60	3	20	2
9268233025	3	6	2,90	65	3	25	2

Cod.	d1	d2	d3	L1	L2	L3	Z
9268233030	3	6	2,90	70	3	30	2
9268234010	4	6	3,90	50	4	10	2
9268234020	4	6	3,90	60	4	20	2
9268234025	4	6	3,90	65	4	25	2
9268234030	4	6	3,90	70	4	30	2
9268235016	5	6	4,90	60	6	16	2



C. CONDITIONS



**92.7534
ROUGHING
AND FINISHING
WITH ONE TOOL**

DeepBlue coating

Suitable for 3 and 5 axes like operations

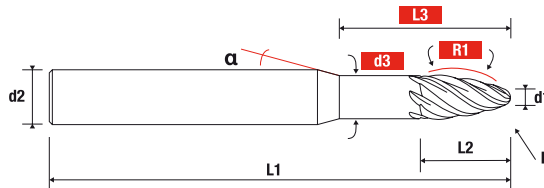
Turbine impellers blades and tires profiles

BARREL CONICAL MILL Z6 · 30°

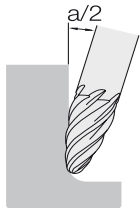
Fresa cónica de barril de metal duro Z6 · 30°

92.7534

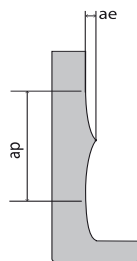
NEW PRODUCT



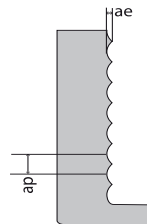
Cod.	d1	d2	d3	R	R1	L1	L2	L3	α	Z
9275340401	4	12	9,5	2	50	100	18,7	40	10°	6
9275340402	4	16	-	2	750	110	12,4	-	30°	6
9275340601	6	12	-	3	75	100	20	-	10°	6
9275340602	6	16	-	3	1000	110	16,7	-	20°	6
9275340801	8	16	-	4	1000	110	26,7	-	10°	6
9275340802	8	12	-	4	100	110	26,8	-	5°	6



Ap : Axial Depth (mm)
Ae : Radial Depth (mm)



Conical Type - Tipo cónica



Ball type - Tipo bola

SC

HELIX
30°

DEEP
BLUE

600
1200
N/mm²

45
HRC

62
HRC

GG(G)

INOX

TITAN
INCONEL

GRAPHITE



HA

HSC

HPC

HHC

MULTI
TASK
Cutter



MQL

AIR



C. CONDITIONS



92.6403

SQUARE END MILL Z4 · 45°

Fresa plana de metal duro Z4 · 45°

SC

HELIX
45°

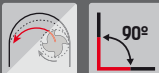
DEEP
BLUE

45
HRC

62
HRC

70
HRC

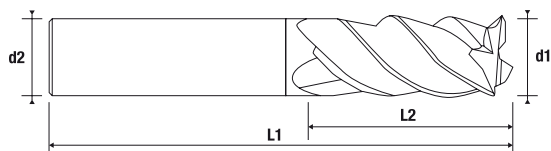
GG(G)



HSC HHC

HPC

MQL AIR



Cod.	d1	d2	L1	L2	Z
9264030100	1	6	40	1,5	4
9264030200	2	6	40	5	4
9264030300	3	6	45	8	4
9264030400	4	6	45	11	4
9264030500	5	6	50	13	4
9264030600	6	6	55	15	4
9264030800	8	8	60	20	4
9264031000	10	10	70	22	4
9264031200	12	12	75	26	4
9264031600	16	16	90	35	4

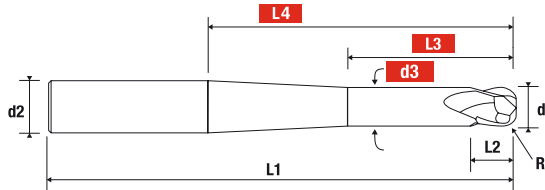


CORNER RADIUS END MILL TAPER NECK Z2 · 30°

Fresa tórica de metal duro cónica Z2 · 30°

82.6217

NEW PRODUCT



Cod.	d1	r	d2	d3	L1	L2	L3	L4	Z
8262170101	1	0,25	6	0,8	100	2	40	6	2
8262170201	2	0,5	6	1,8	100	2	40	8	2
8262170301	3	0,5	6	2,8	100	2	40	12	2
8262170401	4	0,5	6	3,8	100	3	40	16	2
8262170402	4	1	6	3,8	100	3	40	16	2
8262170501	5	0,5	6	4,8	100	4	40	20	2
8262170601	6	1	8	4,8	100	4	50	25	2
8262170602	6	2	8	5,8	100	4	50	25	2
8262170801	8	1	10	7,8	120	4	60	32	2
8262170802	8	2	10	7,8	120	4	60	32	2
8262171001	10	1,5	12	9,8	160	6	80	40	2
8262171002	10	3	12	9,8	160	6	80	40	2
8262171201	12	1,5	16	11,8	200	8	100	50	2
8262171202	12	4	16	11,8	200	8	100	50	2



C. CONDITIONS



SC

HELIX 30° RACER PLUS

45 HRC 62 HRC

GG(G)

HA

HSC HHC

HPC

MQL



92.6813

CORNER RADIUS END MILL LONG NECK Z2 · 30°

Fresa tórica de metal duro cuello largo Z2 · 30°

SC

HELIX
30°

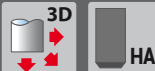
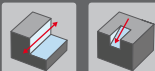
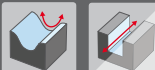
DEEP
BLUE

45
HRC

62
HRC

70
HRC

GG(G)

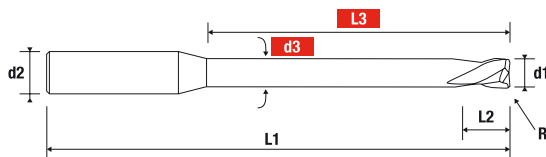
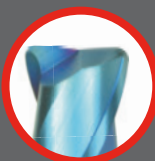


HSC HHC

HPC

MQL AIR

μ
MICROTOOLS



Cod.	d1	R	d2	d3	L1	L2	L3	Z
9268130205	0,2	0,05	4	0,15	40	0,2	0,5	2
9268130215	0,2	0,05	4	0,15	40	0,2	1,5	2
9268130301	0,3	0,05	4	0,25	40	0,3	1	2
9268130303	0,3	0,05	4	0,25	40	0,3	3	2
9268130402	0,4	0,05	4	0,35	40	0,4	2	2
9268130404	0,4	0,05	4	0,35	40	0,4	4	2
9268130502	0,5	0,05	4	0,45	45	0,5	2	2
9268130504	0,5	0,05	4	0,45	45	0,5	4	2
9268130506	0,5	0,05	4	0,45	45	0,5	6	2
9268130603	0,6	0,05	4	0,55	45	0,6	3	2
9268130606	0,6	0,05	4	0,55	45	0,6	6	2
9268130804	0,8	0,05	4	0,75	45	0,8	4	2
9268130808	0,8	0,05	4	0,75	45	0,8	8	2
9268131004	1	0,1	4	0,95	45	1	4	2
9268131008	1	0,1	4	0,95	45	1	8	2
9268131010	1	0,1	4	0,95	50	1	10	2
9268131012	1	0,1	4	0,95	50	1	12	2
9268131016	1	0,1	4	0,95	50	1	16	2
9268131020	1	0,1	4	0,95	50	1	20	2
9268131206	1,2	0,1	4	1,15	45	1,2	6	2



Cod.	d1	R	d2	d3	L1	L2	L3	Z
9268131210	1,2	0,1	4	1,15	50	1,2	10	2
9268131216	1,2	0,1	4	1,15	50	1,2	16	2
9268131508	1,5	0,1	4	1,45	45	1,5	8	2
9268131512	1,5	0,1	4	1,45	50	1,5	12	2
9268131520	1,5	0,1	4	1,45	50	1,5	20	2
9268132006	2	0,2	4	1,90	45	2	6	2
9268132010	2	0,2	4	1,90	50	2	10	2
9268132016	2	0,2	4	1,90	50	2	16	2
9268132025	2	0,2	4	1,90	60	2	25	2
9268133010	3	0,3	6	2,90	50	3	10	2
9268133016	3	0,3	6	2,90	55	3	16	2
9268133025	3	0,3	6	2,90	65	3	25	2
9268133035	3	0,3	6	2,90	75	3	35	2
9268134012	4	0,5	6	3,90	50	4	12	2
9268134020	4	0,5	6	3,90	60	4	20	2
9268134030	4	0,5	6	3,90	70	4	30	2
9268134040	4	0,5	6	3,90	80	4	40	2
9268135025	5	0,5	6	4,90	70	6	25	2
9268135040	5	0,5	6	4,90	80	6	40	2
9268136020	6	0,5	6	5,90	60	7	20	2
9268136040	6	0,5	6	5,90	80	7	40	2



C. CONDITIONS



92.6415

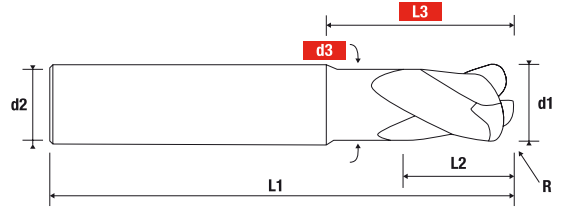
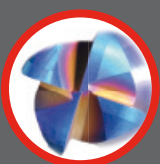
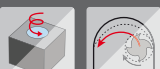
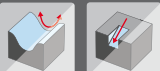
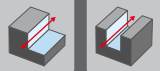
CORNER RADIUS END MILL Z4 · 30°

Fresa tórica de metal duro Z4 · 30°

SC

HELIX
30°DEEP
BLUE45
HRC62
HRC70
HRC

GG(G)



Cod.	d1	R	d2	d3	L1	L2	L3	Z
9264150303	3	0,3	6	2,90	60	3	20	4
9264150305	3	0,5	6	2,90	60	3	20	4
9264150310	3	0,5	6	2,90	50	3	10	4
9264150403	4	0,3	6	3,90	60	4	20	4
9264150405	4	0,5	6	3,90	60	4	20	4
9264150410	4	1,0	6	3,90	60	4	20	4
9264150550	5	0,5	6	4,95	60	5	16	4
9264150650	6	0,5	6	5,90	60	7	20	4
9264150651	6	0,5	6	5,90	80	7	40	4
9264150610	6	1,0	6	5,90	60	7	20	4
9264150611	6	1,0	6	5,90	80	7	40	4
9264150850	8	0,5	8	7,80	65	9	22	4
9264150851	8	0,5	8	7,80	100	9	40	4
9264150810	8	1,0	8	7,80	65	9	22	4
9264150811	8	1,0	8	7,80	100	9	40	4
9264151050	10	0,5	10	9,85	70	11	24	4
9264151051	10	0,5	10	9,85	100	11	40	4
9264151010	10	1,0	10	9,85	70	11	24	4



Cod.	d1	R	d2	d3	L1	L2	L3	Z
9264151011	10	1,0	10	9,85	100	11	40	4
9264151015	10	1,5	10	9,85	100	11	40	4
9264151020	10	2,0	10	9,85	70	11	24	4
9264151025	10	2,5	10	9,85	70	11	24	4
9264151250	12	0,5	12	11,80	80	13	26	4
9264151251	12	0,5	12	11,80	110	13	40	4
9264151210	12	1,0	12	11,80	80	13	26	4
9264151211	12	1,0	12	11,80	110	13	40	4
9264151220	12	2,0	12	11,80	80	13	26	4
9264151230 NEW	12	3	12	11,80	80	13	26	4



C. CONDITIONS



APPLICATION

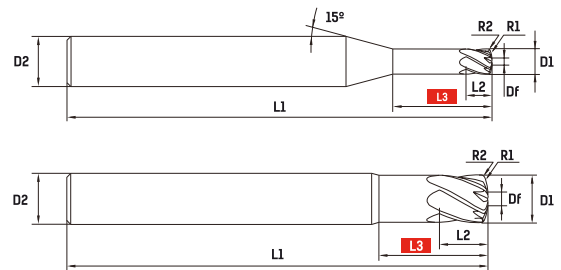


92.6783

HIGH FEED END MILL Z4-Z6 · 30°

Fresa de metal duro alto avance Z4-Z6 · 30°

NEW PRODUCT

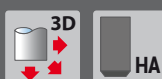
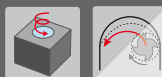
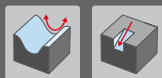
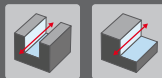


SC

HELIX **30°** DEEP BLUE

600 1200 N/mm² 45 HRC

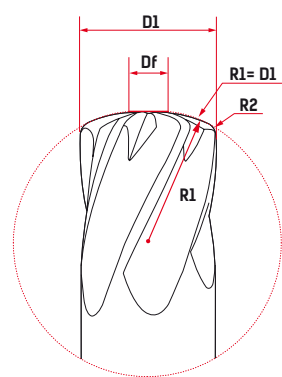
65 HRC GG(G)



HSC HHC



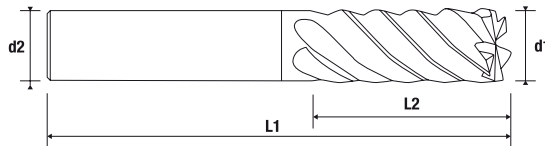
Cod.	d1	d2	R1	R2	Df	L1	L2	L3	Z
9267830300	3	6	3	0,2	0,68	60	3	9	4
9267830400	4	6	4	0,2	0,8	60	4	12	4
9267830500	5	6	5	0,3	1,08	60	5	15	4
9267830600	6	6	6	0,3	1,22	60	6	18	6
9267830800	8	8	8	0,5	1,76	75	8	24	6
9267831000	10	10	10	0,5	2,02	80	10	30	6
9267831200	12	12	12	0,5	2,28	100	12	36	6
9267831600	16	16	16	0,8	2,8	110	16	45	6



FINISHING END MILL Z6-Z8 · 45°

Fresa de metal duro para acabado Z6-Z8 · 45°

92.6505



Cod.	d1	d2	L1	L2	Z
9265050300	3	6	50	10	6
9265050400	4	6	50	12	6
9265050500	5	6	50	15	6
9265050600	6	6	50	15	6
9265050601	6	6	65	25	6
9265050602	6	6	75	35	6
9265050800	8	8	60	20	6
9265050801	8	8	75	30	6
9265050802	8	8	100	50	6
9265051000	10	10	70	25	6
9265051001	10	10	100	45	6
9265051002	10	10	110	60	6
9265051200	12	12	80	30	6
9265051201	12	12	100	50	6
9265051202	12	12	120	70	6
9265051600	16	16	110	50	6
9265051601	16	16	150	80	6
9265051602	16	16	160	100	6
9265052000	20	20	100	45	6
9265052001	20	20	150	80	6
9265052002	20	20	160	100	6
9265052500	25	25	160	100	8
9265052501	25	25	200	130	8







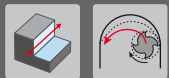
C. CONDITIONS APPLICATION

SC

HELIX 45° **DEEP BLUE**

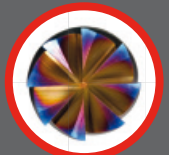
45 HRC **62 HRC**

70 HRC **GG(G)**



HA **HSC**

HHC **HPC**



23 24 The BIG JUMP
Helion 73



ICONOGRAPHY / ICONOGRAFÍA

SC **HSS** **HSS-E** **HSSCO** **M42** **HSS-E-PM** **CBN SOLID** **PM** **TOOL MATERIAL**
TIPO DE MATERIAL

m7 **h6** **h7** **H7** **h8** **6HX** **6H** **6G** **2B** **TOLERANCE**
TOLERANCIA

HA Without Sin Weldon **HB** With Con Weldon **SHANK DESIGN** FORMA DEL MANGO **1,5XD** **2XD** **3XD** **5XD** **8XD** **10XD** **12XD** **CUTTING DEPTH** PROFUNDIDAD DE CORTE

Full-stot Ranurado **Copy** Copiado **Side Milling** Fresado Lateral **Ramping** Rampa **Interpolation** Interpolación **Trochoidal** Trocoidal **APPLICATION** OPERACIÓN

HSC High Speed Cutting Corte de Gran Avance **HHC** High Hard Cutting Corte de Materiales Templados **HPC** High Performance Cutting Corte de Alto Rendimiento **MULTI TASK** Multi Task Cutter Corte Multi Área

3D 3D Side Trajectory, Ramp and Drilling Trayectoria lateral, rampa y taladrado **2D** 2D Side Trajectory and Ramping Trayectoria lateral y rampa **Axial** Axial Trajectory Trayectoria axial **Side Trajectory** Trayectoria lateral **TRAJECTORY** TRAYECTORIA

VARIABLE HELIX Frontal Unequal Angle Angulo Frontal Desigual **HELIX 30°** **HELIX 35°** **HELIX 40°** **HELIX 42°** **HELIX ANGLE** ÁNGULO DE LA HÉLICE ... **POINT ANGLE** ÁNGULO DE LA PUNTA

90° Cutting Edge Canto Vivo **Toric** Tórica **45°** Chamfer Chafán **Ball Nose** Esférica **Corner Radius** Radio de Canto **EDGE SHAPE** FORMA DE LA ARISTA

MQL Minimum Quantity of Lubricant Micro Lubricación **AIR** Air Cooling Refrigeración por Aire **Dry or With Coolant** Dry or With Coolant Machining Mecanizado en seco con Refrigeración **With Coolant** Con Refrigeración **Without Coolant** Sin Refrigeración **COOLANT** REFRIGERACIÓN

INTERNAL COOLANT REFRIGERACIÓN INTERNA **Blind Hole** Agujero Ciego **Through Hole** Agujero Pasante **HOLE TYPE** TIPO DE AGUJERO **FORM B** P_{x4} **FORM C** P_{x2,5} **FORM D** P_{x3} **FORM E** P_{x1,5} **HEAD SHAPE** FORMA DE PUNTA

HELION NORM NORMA HELION **DIN 13** **DIN 212E** **DIN 327** **DIN 333** **DIN 335** **DIN 338** **DIN 371** **DIN 374** **DIN 376** **DIN 371/376** **ISO NORM** NORMA ISO ...

RACER **RACER PLUS** **VOLCANO** **VOLCANO PLUS** **VOLCANO GOLD** **DEEP BLUE** **SPEED** **SPEED ZR** **DRILLANT** **DSC** **SHARK** **TIN Up** **DIAMOND** **BLACK HVA** **BRIGHT** **COATINGS** RECUBRIMIENTOS

NEW New Product Nuevo Producto **UNI** Universal Application Aplicación Universal **Micro Tools** Micro Herramientas **POLISHED** Polished Pulido **OTHERS PICTOGRAMS** OTROS ICONOS

600 1200 N/mm² **45** HRC **55** HRC **60** HRC **70** HRC **INOX** **GG(G)** **ALU NE** **PLASTIC** **GFK CFK** **BRONZE** **SI ≥ 7%** **TITAN** INCONELL **NI ALLOYS** **GRAPHITE** **MATERIALS** MATERIALES ...

Visit our **ONLINE** store



Register NOW
www.helion.tools/shop





**WORKING
FOR YOUR
SUCCESS
SINCE 1952**

HELION TOOLS S.L.
Calle Miquel Servet 37 Nave 13
Polígono Industrial Bufalvent
08243 Manresa · Barcelona · España
+34 938 770 869 · info@helion-tools.com
www.helion.tools