

The Helion logo consists of a red rounded rectangle containing a white stylized wave symbol above the word "Helion" in a white, bold, sans-serif font.

Helion



**Solid carbide end
mill inch sizes**

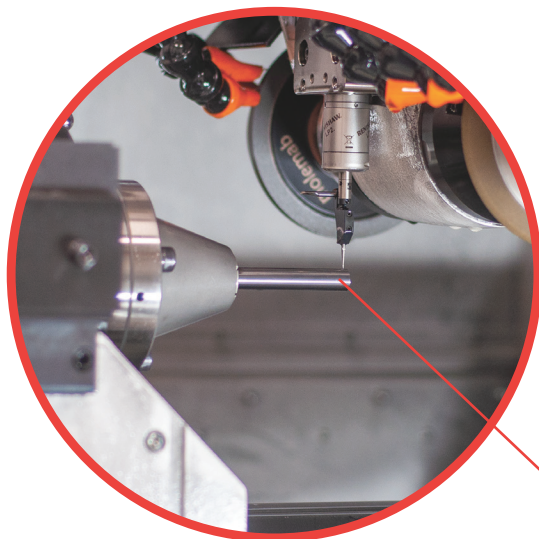
IN
SERIES



High Quality Tools, high performance and reliability

Herramientas de alta calidad, alto rendimiento y confiabilidad.

Development and production of precision tools for different industry sectors and active participation in the global market with the main segment of EndMills, Drills and Taps. *Desarrollo y producción de herramientas de precisión para los diferentes sectores de la industria y participación en el mercado global con el segmento principal de fresas, brocas y machos de roscar.*



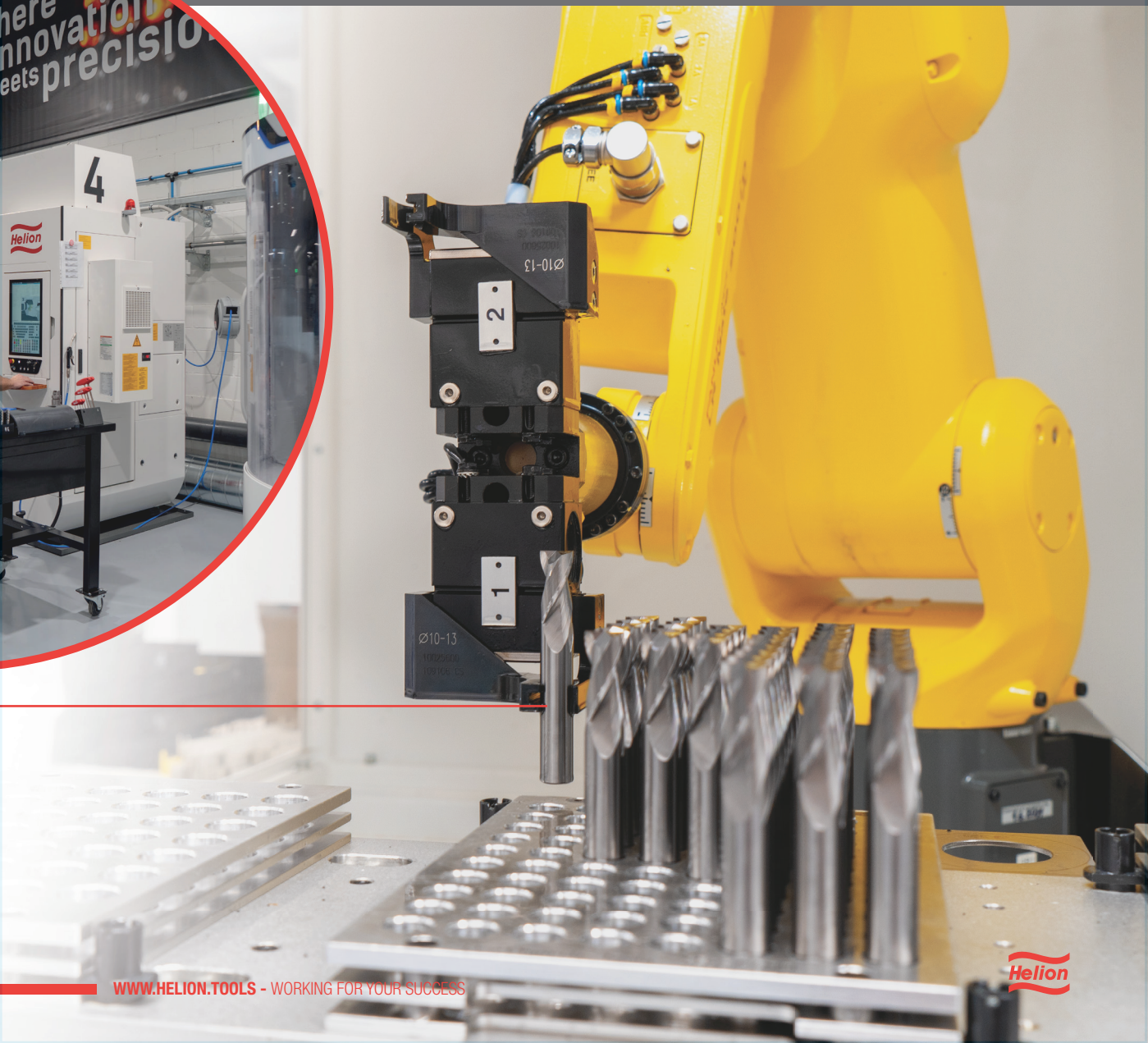
High standards of quality and dimensional tolerance allow them to obtain the best results in the machining processes in the automotive, aeronautical, construction, structural engineering, mold and die sectors. *Altos estándares de calidad y tolerancia dimensional les permiten obtener los mejores resultados en los procesos de mecanizado en sectores de la industria automotriz, aeronáutica, construcción, ingeniería estructural, molde y matriz.*



Quality, Innovation and Service for a Higher Performance Production

Calidad, Innovación y servicio para una producción con mayor rendimiento

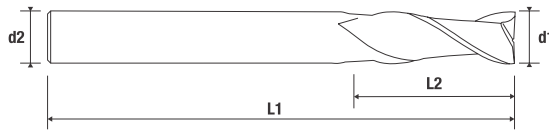
- ✔ High quality raw material
Materia prima de alta calidad
- ✔ Latest technology applied to our coatings
Última tecnología en recubrimientos.
- ✔ Maximum performance with optimized geometries
Rendimiento máximo con geometrías optimizadas.
- ✔ High-precision manufacturing and quality control with state-of-the-art machines
Fabricación de alta precisión y control de calidad con máquinas de última tecnología.
- ✔ Research and development in all our product categories
Investigación y desarrollo en todas las categorías de producto
- ✔ Environmentally-friendly production, recycling as a commitment to the planet
Producción verde, el reciclaje como compromiso con el planeta.



SQUARE END MILL Z2 · 35°

Fresa plana en metal duro Z2 · 35°

80.7202F



Cod.	d1	d2	L1	L2	Z
807202F116	1/16	1/8	1-1/2	3/16	2
807202F564	5/64	1/8	1-1/2	3/16	2
807202F332	3/32	1/8	1-1/2	9/32	2
807202F764	7/64	1/8	1-1/2	3/8	2
807202F18	1/8	1/8	1-1/2	3/8	2
807202F316	3/16	3/16	2	5/8	2
807202F14	1/4	1/4	2-1/2	3/4	2
807202F516	5/16	5/16	2-1/2	13/16	2
807202F38	3/8	3/8	2-1/2	1	2
807202F12	1/2	1/2	3	1	2
807202F58	5/8	5/8	3-1/2	1-1/4	2

Unit: Inch / Unidad: Pulgadas



SC

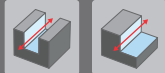
HELIX 35° **RACER PLUS**

600 1200 N/mm² **45 HRC**

65 HRC **GG(G)**

INOX **ALU NE**

NI ALLOYS **UNI**



HA **HSC**

HHC

AIR



C. CONDITIONS

84.0303F

SQUARE END MILL ALU Z3 · 45°

Fresa plana en metal duro ALU Z3 · 45°

SC

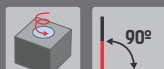
HELIX
45°

BRIGHT

ALU
NE

PLASTIC

BRONZE

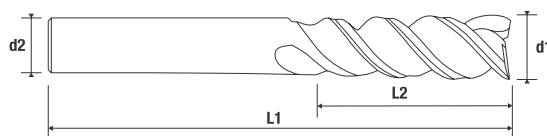


POLISHED

HSC



MULTI
TASK
Cutter



Cod.	d1	d2	L1	L2	Z
840303F18	1/8	1/8	1-1/2	3/8	3
840303F316	3/16	3/16	2	9/16	3
840303F14	1/4	1/4	2	3/4	3
840303F516	5/16	5/16	2-1/2	5/8	3
840303F38	3/8	3/8	2-1/2	1-1/4	3
840303F12	1/2	1/2	3	1-1/4	3
840303F58	5/8	5/8	3-1/2	1-5/8	3

Unit: Inch / Unidad: Pulgadas

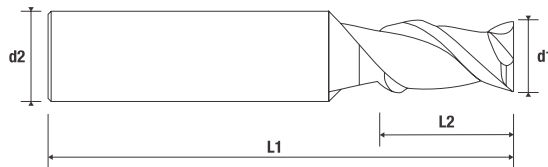


C. CONDITIONS

SQUARE END MILL HIGH FEED HELIX ALU Z2 · 45°

Fresa plana en metal duro de alto avance ALU Z2 · 45°

84.3202F



SC

HELIX
45°

SPEED
ZR

ALU
NE

PLASTIC

BRONZE



POLISHED

HSC

HPC



MULTI
TASK
Cutter



Cod.	d1	d2	L1	L2	Z
843202F14	1/4	1/4	2	3/4	2
843202F516	5/16	5/16	2-1/2	5/8	2
843202F38	3/8	3/8	2-1/2	1-1/4	2
843202F12	1/2	1/2	3	1-1/4	2
843202F58	5/8	5/8	3-1/2	1-5/8	2

Unit: Inch / Unidad: Pulgadas



C. CONDITIONS

91.7414F

SQUARE END MILL CORNER RADIUS Z4 · 43°/45°

Fresa plana en metal duro tórica Z4 · 43°/45°

SC

HELIX
43/45°

RACER
PLUS

600
1200
N/mm²

45
HRC

INOX

GG(G)

TITAN
INCONELL



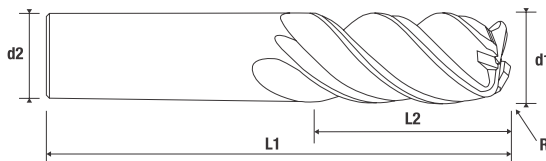
HPC

HSC

MULTI
TASK
Cutter



MQL



Cod.	d1	R	d2	L1	L2	Z
917414F141	1/4	0,015	1/4	2-1/2	9/16	4
917414F142	1/4	0,030	1/4	2-1/2	9/16	4
917414F143	1/4	0,060	1/4	2-1/2	9/16	4
917414F5161	5/16	0,015	5/16	2-1/2	11/16	4
917414F5162	5/16	0,030	5/16	2-1/2	11/16	4
917414F5163	5/16	0,060	5/16	2-1/2	11/16	4
917414F381	3/8	0,020	3/8	2-1/2	13/16	4
917414F382	3/8	0,030	3/8	2-1/2	13/16	4
917414F383	3/8	0,060	3/8	2-1/2	13/16	4
917414F384	3/8	0,090	3/8	2-1/2	13/16	4
917414F121	1/2	0,020	1/2	3	1	4
917414F122	1/2	0,030	1/2	3	1	4
917414F123	1/2	0,060	1/2	3	1	4
917414F124	1/2	0,090	1/2	3	1	4
917414F125	1/2	0,125	1/2	3	1	4
917414F581	5/8	0,030	5/8	3-1/2	1-1/4	4
917414F582	5/8	0,060	5/8	3-1/2	1-1/4	4
917414F583	5/8	0,090	5/8	3-1/2	1-1/4	4
917414F584	5/8	0,125	5/8	3-1/2	1-1/4	4

Unit: Inch / Unidad: Pulgadas



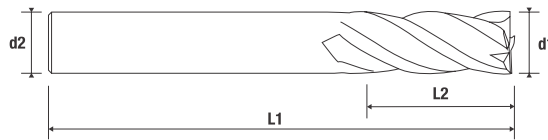
C. CONDITIONS



SQUARE END MILL Z4 · 35°

Fresa plana en metal duro Z4 · 35°

80.7402F



Cod.	d1	d2	L1	L2	Z
807402F116	1/16	1/8	1-1/2	3/16	4
807402F564	5/64	1/8	1-1/2	3/16	4
807402F332	3/32	1/8	1-1/2	9/32	4
807402F764	7/64	1/8	1-1/2	3/8	4
807402F18	1/8	1/8	1-1/2	3/8	4
807402F316	3/16	3/16	2	5/8	4
807402F14	1/4	1/4	2-1/2	3/4	4
807402F516	5/16	5/16	2-1/2	13/16	4
807402F38	3/8	3/8	2-1/2	1	4
807402F12	1/2	1/2	3	1	4
807402F58	5/8	5/8	3-1/2	1-1/4	4

Unit: Inch / Unidad: Pulgadas



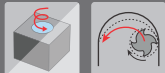
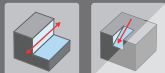
SC

HELIX 35° **RACER PLUS**

600 1200 N/mm² **62 HRC**

GG(G) **ALU NE**

NI ALLOYS **UNI**



HA **HSC**



AIR



C. CONDITIONS

91.7404F

VARIABLE HELIX SC END MILL Z4 · 35°/38°

Fresa plana en metal duro con hélice variable Z4 · 35°/38°

SC

HELIX
35/38°

RACER
PLUS



600
1200
N/mm²

55
HRC

INOX

GG(G)

NI
ALLOYS

TITAN
INCONEL

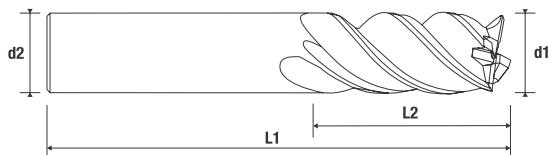
UNI



HPC

HSC

MULTI
TASK
Cutter

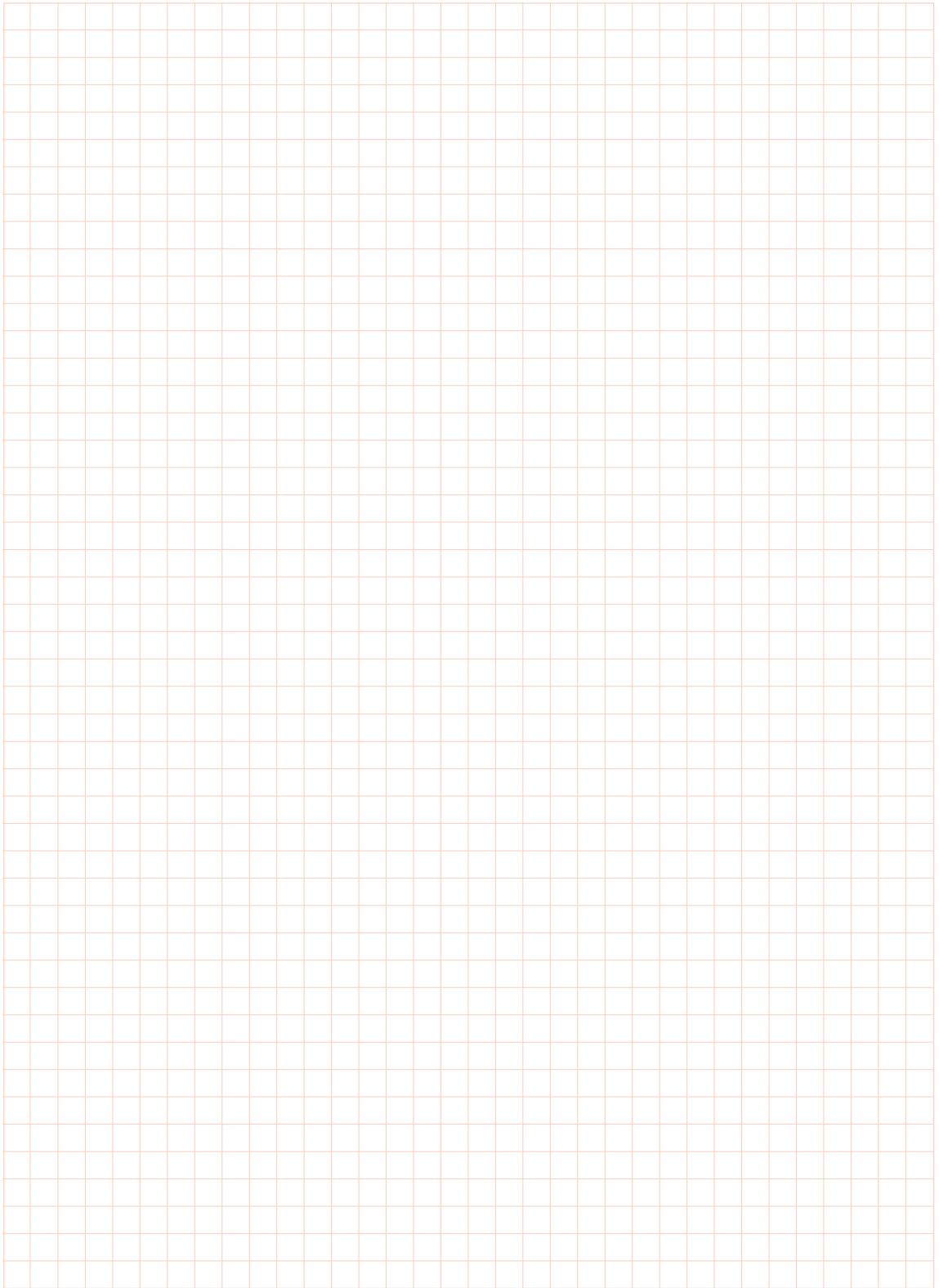


Cod.	d1	d2	L1	L2	Z
917404F14	1/4	1/4	2-1/2	1/2	4
917404F516	5/16	5/16	2-1/2	13/16	4
917404F38	3/8	3/8	2-1/2	7/8	4
917404F12	1/2	1/2	3	1	4
917404F58	5/8	5/8	3-1/2	1-1/4	4

Unit: Inch / Unidad: Pulgadas



C. CONDITIONS





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SUCCESS SINCE 1952
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