IGUANA
LASER SERIES

außergewöhnlich.

SHARP.

ZECHA

ZECHA
außergewöhnlich.

IGUANA LASER SERIES

LASER-SHARP AND EXACTLY PRECISE

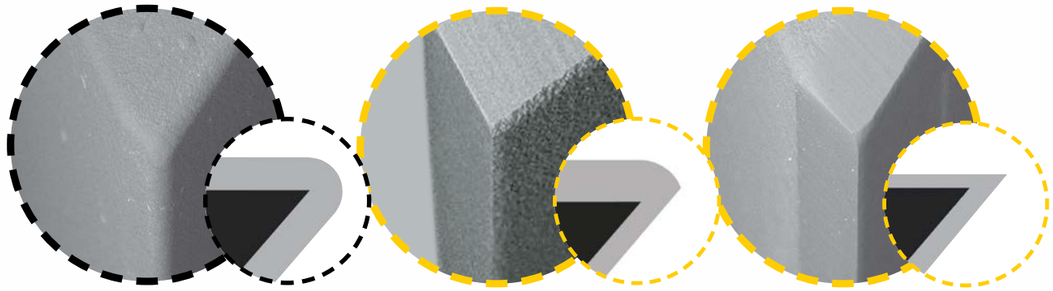
With its globally unique laser processing of diamond-coated tools, the IGUANA LASER SERIES by ZECHA sets new benchmarks in precision machining. The decisive advantage: cutting edges with a radius of less than 1 µm ensure maximum precision and flawless results.

Thanks to the ultra-sharp cutting edges, cutting forces are drastically reduced, leading to significantly lower heat generation during the machining process.

This technology was specifically developed for non-ferrous metals, precious metals, and highly abrasive plastics.

The result: significantly improved surface quality, less reworking, and exceptionally long tool life – even with the most demanding materials. The patented IGUANA tools stay consistently sharp and deliver reliable, precise results over extended use.

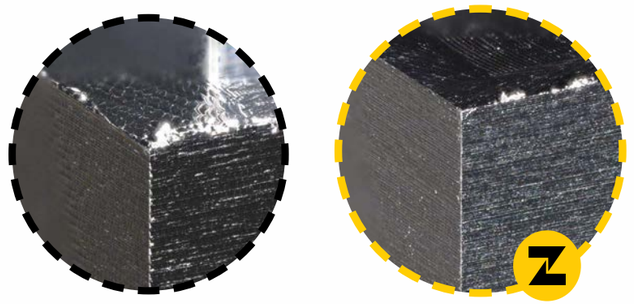
* Patent EP 2540427B1: The shown series 935.B2, 935.T2, and 935.T3 are protected by Patent EP 2540427B1 in the following countries: DE, AT, CH, LIE, CZ, FR, GB, IT, NL, PL, PT, TR



Conventional diamond coating with large cutting edge radius

Single-sided laser-sharpened diamond coating

Enclosed, double-sided laser-sharpened diamond coating



IGUANA tools ensure homogeneous surfaces and minimized burr formation

AWARD-WINNING TOOL TECHNOLOGY

IGUANA TECHNOLOGY IS AWARDED THE 2021 STATE INNOVATION PRIZE.

ZECHA's IGUANA technology has been honored with the prestigious Innovation Award of the State of Baden-Württemberg. This recognition highlights particularly innovative developments in the medium-sized business sector and acknowledges the pioneering spirit behind the IGUANA tool series.

With its globally unique combination of diamond-coated surfaces and laser-sharpened cutting edges under 1 µm, IGUANA sets new standards in precision and durability – a true advancement for micro-machining.

PDF DOWNLOAD

HIGHLIGHTS

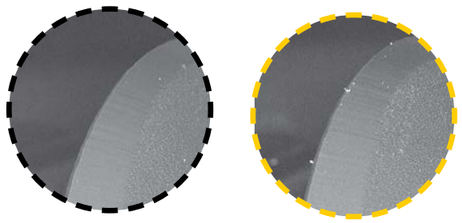
THE IGUANA MILLING CHALLENGE

600+ HOURS IN A NON-STOP LIVESTREAM, AND STILL SHARP...

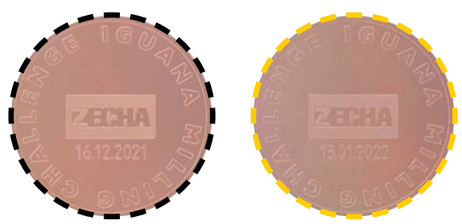
ZECHA and AlienTools went live for the first time to find out: “How long will our IGUANA tool last?” In an unprecedented livestream, a single 1-mm IGUANA ball end mill was used to mill copper non-stop for 30 days – over 641 hours and 27 km of milling distance.

In the end, the result was clear: the tool remained virtually untouched, showing a form deviation of less than 0.002 mm and achieving N4–N5 surface quality. Over the course of the test, the IGUANA microtool milled itself more than 546,000 times – the equivalent of 74.2 times the height of the Berlin TV Tower.

This long-term test is a powerful testament to the award-winning IGUANA technology: dramatically extended tool life and outstanding surface quality. For more details, visit the ZECHA website.



The cutting edge at the start of the event (left), vs. the same cutting edge after 641+ hours (right).



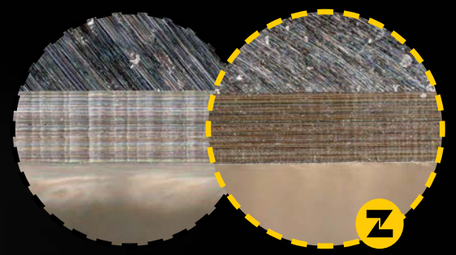
The first coin milled in the event (left), vs. the last coin milled during the event (right).

NEW SERIES !
ZECHA

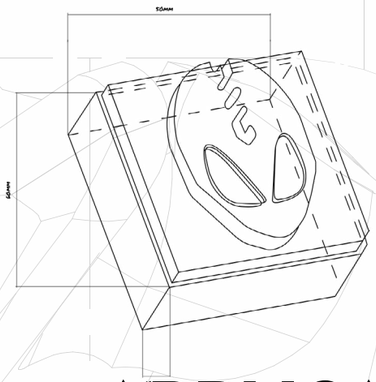
PRECISION FOR THE FINEST TIMEPIECES

SETTING NEW STANDARDS IN MICRO-MILLING FOR WATCHMAKING PRECISION

The IGUANA tools by ZECHA have been purposefully expanded to meet the specific demands of the watchmaking industry. With an overall length of 25 mm and optimized geometry for interpolating drilling, they set new benchmarks in micro-milling for watchmaking precision. The diamond-coated, laser-sharpened cutting edges ensure burr-free results, excellent surface quality, and exceptional tool life – ideal for complex watch components with limited tool space.



PCD CHAMFER MILLS (COMPETITOR) VS.
IGUANA CHAMFER MILLS IN BRASS (ZECHA)



APPLICATIONS EXAMPLES

IGUANA IN ACTION

Would you like to see IGUANA LASER SERIES tools technology in action? Scan the QR code below to access the YouTube video showcasing the precise milling performance of IGUANA tools on a copper electrode. Experience the effortless precision and durability that define the IGUANA LASER SERIES, and take a glimpse into the future of toolmaking.

ZECHA YOUTUBE

ALIENHEAD ELECTRODE

With the IGUANA LASER SERIES, a detailed copper electrode in the shape of an alien head is created – laser-sharpened edges ensure perfect contours and a flawless surface even for the finest structures.

PDF DOWNLOAD

YOUTUBE VIDEO

WATCH PLATE

The IGUANA LASER SERIES machines this delicate brass watch plate with the highest precision – delivering exact contours, sharp edges, and a consistently high-quality surface.

PDF DOWNLOAD

YOUTUBE VIDEO

OVERSIZED HACKO WATCH

In cooperation with Nicholas Hacko Watches, ZECHA uses the IGUANA LASER SERIES to manufacture an oversized brass watch – a showpiece distinguished by precise edges, flawless surfaces, and impressive attention to detail.

PDF DOWNLOAD

YOUTUBE VIDEO

ICON LEGEND

SERIES OPTIONS

Numerous variations are available in the IGUANA LASER SERIES, which we will break down for you below. Here you will find a brief explanation of the different tool series as well as relevant symbols for the properties of the tools. More information about the series and a key explaining the different symbols can be found on the following pages.

902 SERIES

Solid carbide 2-flute ball end mill,
two-sided laser-sharpened coating

ALU
AU
CU
CU BE
CU ZN
DIA
FVW
P
PB
Pt

903 SERIES

Solid carbide 2-flute ball end mill,
one-sided laser-sharpened coating

ALU
AU
CU
CU BE
CU ZN
DIA
FVW
P
PB
Pt

NEW SERIES ! ZECHA

905 SERIES

Solid carbide ,3-flute chamfer cutter,
two-sided laser-sharpened coating

ALU
AU
CU
CU BE
CU ZN
DIA
FVW
P
PB
Pt

912 SERIES

Solid carbide 2-flute end mill with corner radius,
two-sided laser-sharpened coating

ALU
AU
CU
CU BE
CU ZN
DIA
FVW
P
PB
Pt

ICON LEGEND

SERIES OPTIONS

913 SERIES

Solid carbide 2-flute end mill with corner radius, one-sided laser-sharpened coating

ALU
AU
CU
CU BE
CU ZN
DIA
FVW
P
PB
Pt

915 SERIES

Solid carbide 3-flute end mill, two-sided laser-sharpened coating

ALU
AU
CU
CU BE
CU ZN
DIA
FVW
P
PB
Pt

916 SERIES

Solid carbide 3-flute end mill, one-sided laser-sharpened coating

ALU
AU
CU
CU BE
CU ZN
DIA
FVW
P
PB
Pt

NEW SERIES ! ZECHA

918.F2 SERIES

Solid carbide 2-flute ball end mill with 30° helix angle, integrated shank cooling, two-laser-sharpened coating

ALU
AU
CU
CU BE
DIA
CU ZN
FVW
P
PB
Pt

ICON LEGEND

SERIES OPTIONS

NEW ARTICLES ! ZECHA

918.F3 SERIES

Solid carbide 3-flute end mill, integrated shank cooling, two-sided laser-sharpened coating

- ALU
- AU
- CU
- CU BE
- DIA
- CU ZN
- FVW
- P
- PB
- Pt

930.B2 SERIES

Solid carbide 2-flute ball end mill with 30° helix angle, one-sided laser-sharpened coating

- ALU
- AU
- CU
- DIA
- CU BE
- CU ZN
- FVW
- P
- PB
- Pt

930.T2 SERIES

Solid carbide 2-flute helix end mill with corner radius, one-sided laser-sharpened coating

- ALU
- AU
- CU
- DIA
- CU BE
- CU ZN
- FVW
- P
- PB
- Pt

930.F3 SERIES

Solid carbide 3-flute helix end mill, one-sided laser-sharpened coating

- ALU
- AU
- CU
- DIA
- CU BE
- CU ZN
- FVW
- P
- PB
- Pt

ICON LEGEND

SERIES OPTIONS

NEW SERIES! ZECHA

931.T2 SERIES

Solid carbide 2-flute helix end mill with corner radius, integrated shank cooling, two-sided laser-sharpened coating

- ALU
- DIA
- AU
- CU
- CU BE
- CU ZN
- FVW
- P
- PB
- Pt

NEW ARTICLES! ZECHA

931.T3 SERIES

Solid carbide 3-flute helix end mill with corner radius, integrated shank cooling, two-sided laser-sharpened coating

- ALU
- DIA
- AU
- CU
- CU BE
- CU ZN
- FVW
- P
- PB
- Pt

935.B2 SERIES

Solid carbide 2-flute ball end mill, two-sided laser-sharpened coating

- ALU
- DIA
- AU
- CU
- CU BE
- CU ZN
- FVW
- P
- PB
- Pt

935.T2 SERIES

Solid carbide 2-flute helix end mill with corner radius, two-sided laser-sharpened coating

- ALU
- DIA
- AU
- CU
- CU BE
- CU ZN
- FVW
- P
- PB
- Pt

ICON LEGEND

SERIES OPTIONS

935.T3 SERIES

Solid carbide 3-flute helix end mill with corner radius, two-sided laser-sharpened coating

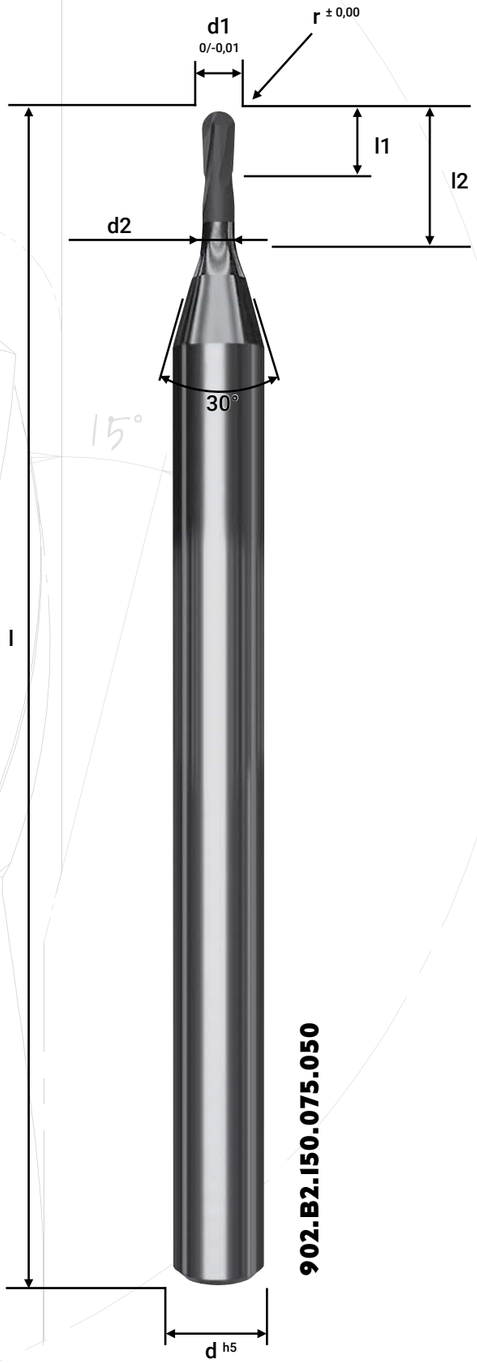
ALU
AU
CU
DIA CU BE
CU ZN
FVW
P
PB
Pt

975 SERIES

Solid carbide 2-flute twist drill with degressive spiralization, X-point, one-sided laser-sharpened coating

ALU
AU
CU
DIA CU BE
CU ZN
DIA FVW
P
PB
Pt

On the following pages you will find further information on the technical data and the available options for each series as well as a QR code to obtain a direct link to the corresponding tool in the ZECHAshop.



IGUANA 902 SERIES

- Solid carbide 2-flute ball end mill, 5° angled flutes
- Two-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU BE · CU ZN · FVW · P · PB · Pt

DIA

SHOP LINK

									Inclination Angle				
Article No.	d1	d2	r	l1	l2	d	l	z	30′	1°	1° 30′	2°	3°
902.B2.040.020.015	0.4	0.36	0.20	0.6	1.5	4.0	50	2	2.05	2.19	2.32	2.44	2.67
902.B2.050.025.025	0.5	0.46	0.25	0.7	2.5	4.0	50	2	3.12	3.30	3.47	3.62	3.89
902.B2.060.030.020	0.6	0.55	0.30	1.0	2.0	4.0	50	2	2.62	2.77	2.92	3.05	3.29
902.B2.080.040.020	0.8	0.75	0.40	1.2	2.0	4.0	50	2	2.61	2.76	2.90	3.03	3.27
902.B2.100.050.050	1.0	0.94	0.50	1.6	5.0	4.0	50	2	5.82	6.07	6.29	6.48	6.82
902.B2.150.075.050	1.5	1.40	0.75	2.4	5.0	4.0	50	2	5.92	6.14	6.34	6.52	6.84
902.B2.200.100.060	2.0	1.90	1.00	3.0	6.0	4.0	50	2	6.95	7.20	7.41	7.60	7.94
902.B2.300.150.090	3.0	2.80	1.50	3.5	9.0	4.0	50	2	10.27	10.54	10.78	10.99	11.36

IGUANA 903 SERIES

- Solid carbide 2-flute ball end mill, 5° angled flutes
- One-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

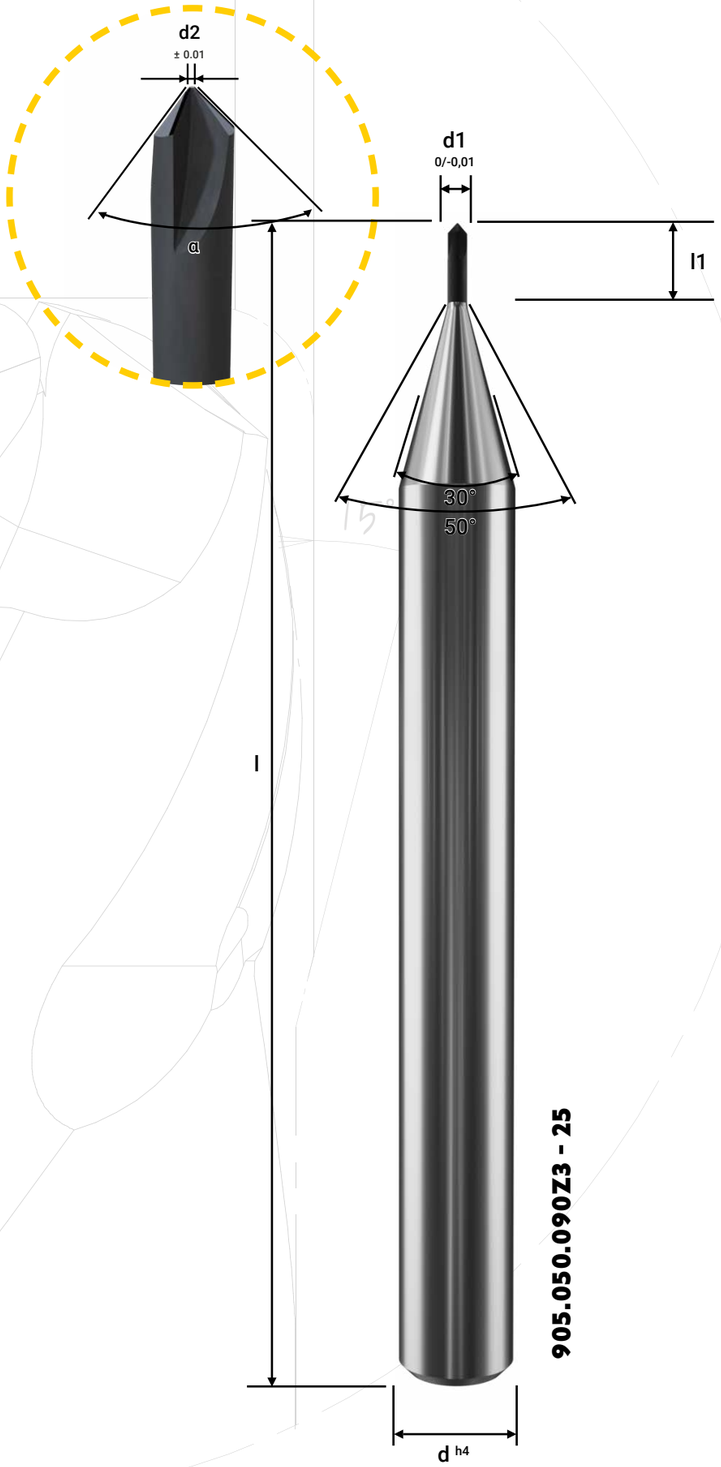
ALU · AU · CU · CU BE · CU ZN · FVW · P · PB · Pt

DIA

SHOP LINK

									Inclination Angle				
Article No.	d1	d2	r	l1	l2	d	l	z	30′	1°	1° 30′	2°	3°
903.B2.040.020.015	0.4	0.36	0.20	0.6	1.5	4.0	50	2	2.05	2.19	2.32	2.44	2.67
903.B2.050.025.025	0.5	0.46	0.25	0.7	2.5	4.0	50	2	3.12	3.30	3.47	3.62	3.89
903.B2.060.030.020	0.6	0.55	0.30	1.0	2.0	4.0	50	2	2.62	2.77	2.92	3.05	3.29
903.B2.080.040.020	0.8	0.75	0.40	1.2	2.0	4.0	50	2	2.61	2.76	2.90	3.03	3.27
903.B2.100.050.050	1.0	0.94	0.50	1.6	5.0	4.0	50	2	5.82	6.07	6.29	6.48	6.82
903.B2.150.075.050	1.5	1.40	0.75	2.4	5.0	4.0	50	2	5.92	6.14	6.34	6.52	6.84
903.B2.200.100.060	2.0	1.90	1.00	3.0	6.0	4.0	50	2	6.95	7.20	7.41	7.60	7.94
903.B2.300.150.090	3.0	2.80	1.50	3.5	9.0	4.0	50	2	10.27	10.54	10.78	10.99	11.36

IGUANA
LASER SERIES



NEW SERIES !
ZECHA

IGUANA 905 SERIES

- Solid carbide chamfer cutter, 3-flutes, 0° helix angle, 90° or 50° tip angle
- Two-sided laser-sharpened diamond coating
- For wet machining of non-ferrous materials
- Neck extension available upon request

ALU · AU · CU · CU BE · CU ZN · FVW · P · PB · Pt

DIA

SHOP LINK

Article No.	α	d1	d2	l1	d	l	Z
905.050.050Z3-25	50	1.5	0.5	1.6	3	25	3
905.050.090Z3-25	90	1.5	0.5	1.6	3	25	3
905.100.050Z3-25	50	2.0	1.0	2.1	3	25	3
905.100.090Z3-25	90	2.0	1.0	2.1	3	25	3
905.050.050Z3	50	1.5	0.5	1.6	3	39	3
905.050.090Z3	90	1.5	0.5	1.6	3	39	3
905.100.050Z3	50	2.0	1.0	2.1	3	39	3
905.100.090Z3	90	2.0	1.0	2.1	3	39	3

IGUANA 912 SERIES

- Solid carbide 2-flute end mill with corner radius, 5° angled flutes
- Two-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

									Inclination Angle				
Article No.	d1	d2	r	l1	l2	d	l	z	30’	1°	1° 30’	2°	3°
912.T2.050.005.025	0.5	0.46	0.05	0.7	2.5	4.0	50	2	3.13	3.33	3.50	3.65	3.93
912.T2.100.010.050	1.0	0.94	0.10	1.5	5.0	4.0	50	2	5.84	6.10	6.33	6.53	6.88
912.T2.150.015.050	1.5	1.40	0.15	2.4	5.0	4.0	50	2	5.95	6.19	6.40	6.59	6.93
912.T2.200.020.060	2.0	1.90	0.20	3.0	6.0	4.0	50	2	6.99	7.26	7.49	7.69	8.06
912.T2.300.030.090	3.0	2.80	0.30	3.5	9.0	4.0	50	2	10.31	10.61	10.87	11.10	-

IGUANA 913 SERIES

- Solid carbide 2-flute end mill with corner radius, 5° angled flutes
- One-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

									Inclination Angle				
Article No.	d1	d2	r	l1	l2	d	l	z	30’	1°	1° 30’	2°	3°
913.T2.050.005.025	0.5	0.46	0.05	0.7	2.5	4.0	50	2	3.13	3.33	3.50	3.65	3.93
913.T2.100.010.050	1.0	0.94	0.10	1.6	5.0	4.0	50	2	5.84	6.10	6.33	6.53	6.88
913.T2.150.015.050	1.5	1.40	0.15	2.4	5.0	4.0	50	2	5.95	6.19	6.40	6.59	6.93
913.T2.200.020.060	2.0	1.90	0.20	3.0	6.0	4.0	50	2	6.99	7.26	7.49	7.69	8.06
913.T2.300.030.090	3.0	2.80	0.30	3.5	9.0	4.0	50	2	10.31	10.61	10.87	11.10	-

IGUANA 915 SERIES

- Solid carbide 3-flute end mill, 5° angled flutes
- Two-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

								Inclination Angle				
Article No.	d1	d2	l1	l2	d	l	z	30’	1°	1° 30’	2°	3°
915.F3.050.025	0.5	0.46	0.7	2.5	4.0	50	3	3.14	3.33	3.50	3.66	3.95
915.F3.100.050	1.0	0.94	1.5	5.0	4.0	50	3	5.85	6.11	6.34	6.54	6.90
915.F3.150.050	1.5	1.40	2.4	5.0	4.0	50	3	5.95	6.20	6.42	6.61	6.95
915.F3.200.060	2.0	1.90	3.0	6.0	4.0	50	3	7.00	7.27	7.51	7.72	8.08
915.F3.300.090	3.0	2.80	3.5	9.0	4.0	50	3	10.32	10.61	10.89	11.12	-

IGUANA 916 SERIES

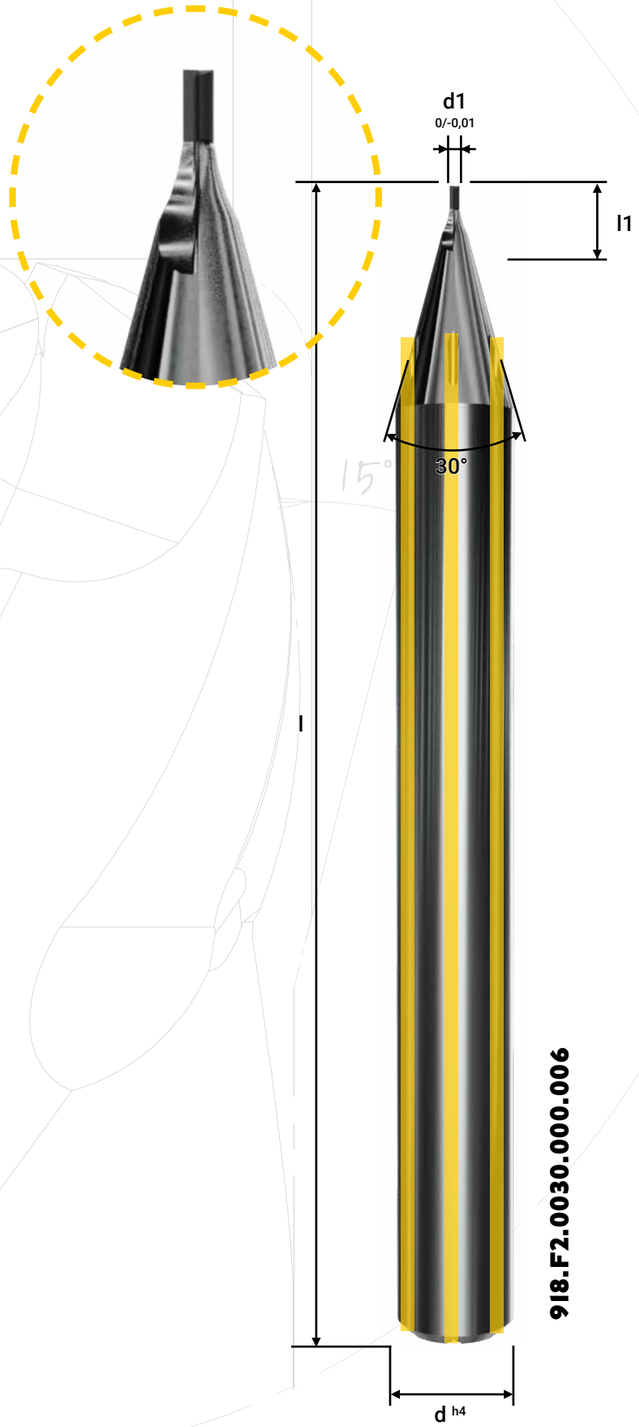
- Solid carbide 3-flute end mill, 5° angled flutes
- One-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

								Inclination Angle				
Article No.	d1	d2	l1	l2	d	l	z	30’	1°	1° 30’	2°	3°
916.F3.050.025	0.5	0.46	0.7	2.5	4.0	50	3	3.14	3.33	3.50	3.66	3.95
916.F3.100.050	1.0	0.94	1.6	5.0	4.0	50	3	5.85	6.11	6.34	6.54	6.90
916.F3.150.050	1.5	1.40	2.4	5.0	4.0	50	3	5.95	6.20	6.42	6.61	6.95
916.F3.200.060	2.0	1.90	3.0	6.0	4.0	50	3	7.00	7.27	7.51	7.72	8.08
916.F3.300.090	3.0	2.80	3.5	9.0	4.0	50	3	10.32	10.61	10.89	11.12	-



NEW SERIES !
ZECHA

IGUANA 918.F2 SERIES

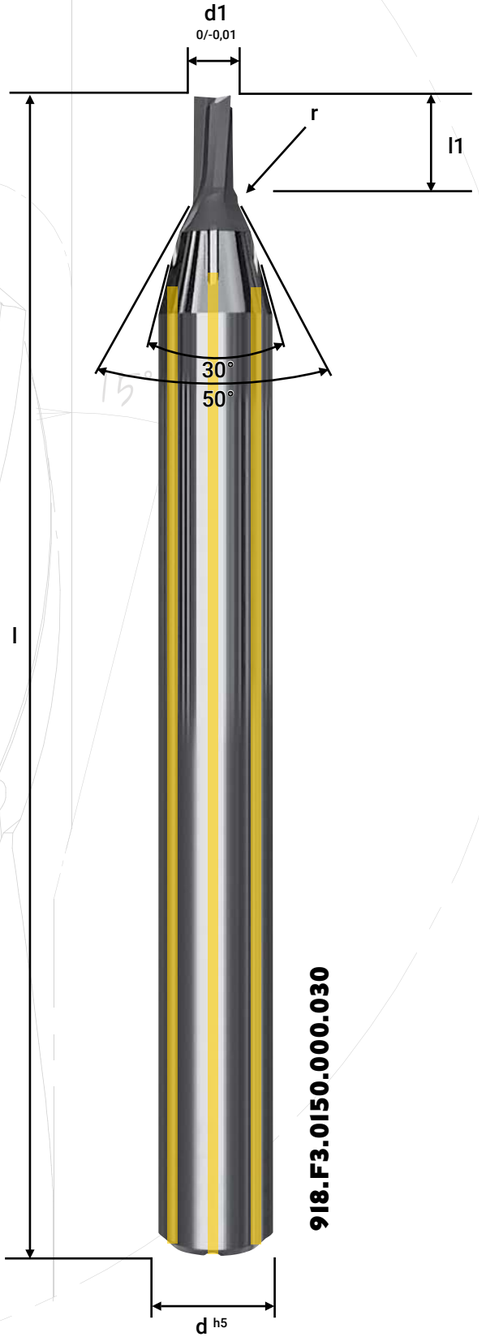
- Solid carbide 2-flute end mill, 5° angled flutes and shaft coolant channels
- Two-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU AU CU CU-BE CU-ZN FVW P PB Pt

DIA

SHOP LINK

						Inclination Angle				
Article No.	d1	l1	d	l	Z	30’	1°	1° 30’	2°	3°
918.F2.0030.000.006-25	0.3	0.6	4.0	25	2	0.66	0.71	0.75	0.79	0.85
918.F2.0030.000.006	0.3	0.6	4.0	39	2	0.66	0.71	0.75	0.79	0.85



IGUANA 918.F3 SERIES

- Solid carbide 3-flute end mill, 5° angled flutes, shaft coolant channels
- Two-sided laser-sharpened diamond coating
- For wet finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

Article No.	d1	l1	d	l	Z	Inclination Angle 30’	1°	1° 30’	2°	3°
NEW! 918.F3.0040.000.008-25	0.4	0.8	4.0	25	3	1.11	1.27	1.41	1.53	1.75
NEW! 918.F3.0050.000.010-25	0.5	1.0	4.0	25	3	1.34	1.51	1.66	1.79	2.02
NEW! 918.F3.0070.000.014-25	0.7	1.4	4.0	25	3	1.80	1.99	2.15	2.29	2.55
NEW! 918.F3.0080.000.016-25	0.8	1.6	4.0	25	3	2.02	2.22	2.39	2.54	2.80
NEW! 918.F3.0100.000.020-25	1.0	2.0	4.0	25	3	2.46	2.68	2.86	3.02	3.30
NEW! 918.F3.0120.000.024-25	1.2	2.4	4.0	25	3	2.90	3.14	3.33	3.50	3.80
NEW! 918.F3.0150.000.030-25	1.5	3.0	4.0	25	3	3.56	3.81	4.02	4.20	4.52
NEW! 918.F3.0160.000.032-25	1.6	3.2	4.0	25	3	3.77	4.04	4.25	4.43	4.76
NEW! 918.F3.0200.000.040-25	2.0	4.0	4.0	25	3	4.63	4.92	5.15	5.35	5.70
NEW! 918.F3.0300.000.060-25	3.0	6.0	6.0	25	3	6.07	6.20	6.33	6.47	6.76
918.F3.0040.000.008	0.4	0.8	4.0	39	3	1.11	1.27	1.41	1.53	1.75
918.F3.0050.000.010	0.5	1.0	4.0	39	3	1.34	1.51	1.66	1.79	2.02
918.F3.0070.000.014	0.7	1.4	4.0	39	3	1.80	1.99	2.15	2.29	2.55
918.F3.0080.000.016	0.8	1.6	4.0	39	3	2.02	2.22	2.39	2.54	2.80
918.F3.0100.000.020	1.0	2.0	4.0	39	3	2.46	2.68	2.86	3.02	3.30
918.F3.0120.000.024	1.2	2.4	4.0	39	3	2.90	3.14	3.33	3.50	3.80
918.F3.0150.000.030	1.5	3.0	4.0	39	3	3.56	3.81	4.02	4.20	4.52
918.F3.0160.000.030	1.6	3.2	4.0	39	3	3.77	4.04	4.25	4.43	4.76
918.F3.0200.000.040	2.0	4.0	4.0	39	3	4.63	4.92	5.15	5.35	5.70
NEW! 918.F3.0300.000.060	3.0	6.0	6.0	50	3	6.07	6.20	6.33	6.47	6.76

IGUANA 930.B2 SERIES

- Solid carbide 2-flute helix ball end mill, 25° angled flutes
- One-sided laser-sharpened diamond coating
- For wet semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

Article No.	d1	d2	r	l1	l2	d	l	z	Inclination Angle 30’	1°	1° 30’	2°	3°
930.B2.0050.025.015	0.5	0.46	0.25	0.5	1.5	4.0	50	2	2.12	2.30	2.47	2.62	2.89
930.B2.0100.050.030	1.0	0.94	0.50	1.0	3.0	4.0	50	2	3.82	4.07	4.29	4.48	4.82
930.B2.0150.075.045	1.5	1.40	0.75	1.5	4.5	4.0	50	2	5.42	5.64	5.84	6.02	6.34
930.B2.0200.100.060	2.0	1.90	1.00	2.0	6.0	4.0	50	2	6.95	7.41	7.41	7.60	7.94
930.B2.0300.150.090	3.0	2.80	1.50	3.0	9.0	4.0	50	2	10.27	10.54	10.78	10.99	11.36

IGUANA 930.T2 SERIES

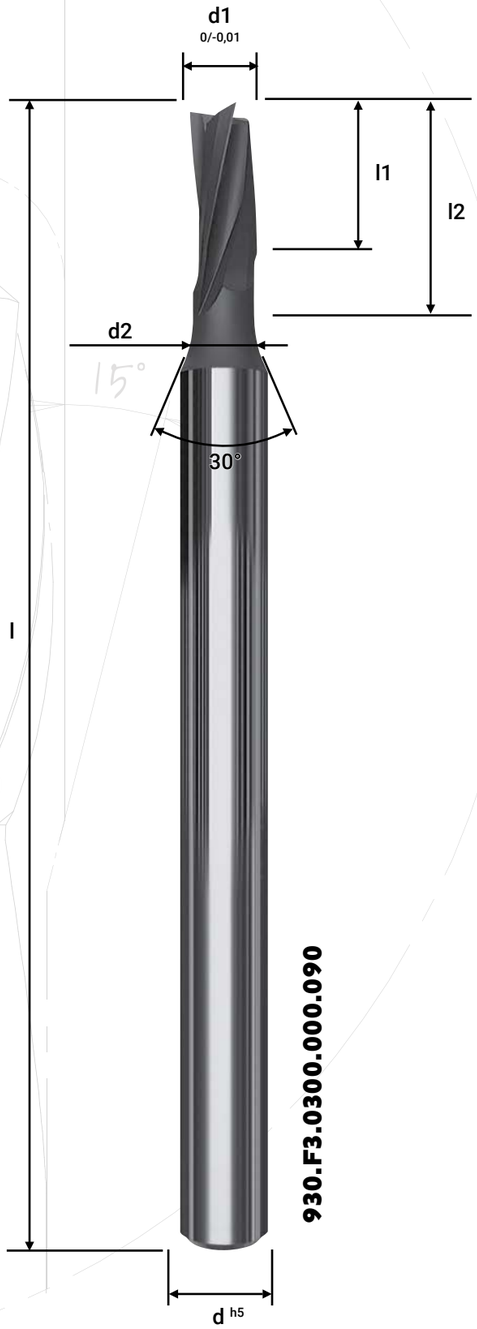
- Solid carbide 2-flute helix end mill with corner radius, 25° angled flutes
- One-sided laser-sharpened diamond coating
- For wet semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU BE · CU ZN · FVW · P · PB · Pt

DIA

SHOP LINK

									Inclination Angle				
Article No.	d1	d2	r	l1	l2	d	l	z	30’	1°	1° 30’	2°	3°
930.T2.0050.005.015	0.5	0.46	0.05	0.5	1.5	4.0	50	2	2.13	2.33	2.50	2.65	2.95
930.T2.0100.010.030	1.0	0.94	0.10	1.0	3.0	4.0	50	2	3.84	4.10	4.33	4.53	4.88
930.T2.0150.010.045	1.5	1.40	0.10	1.5	4.5	4.0	50	2	5.45	5.69	5.90	6.09	6.44
930.T2.0200.020.060	2.0	1.90	0.20	2.0	6.0	4.0	50	2	6.99	7.26	7.49	7.69	8.06
930.T2.0300.030.090	3.0	2.80	0.30	3.0	9.0	4.0	50	2	10.31	10.61	10.87	11.10	-



IGUANA 930.F3 SERIES

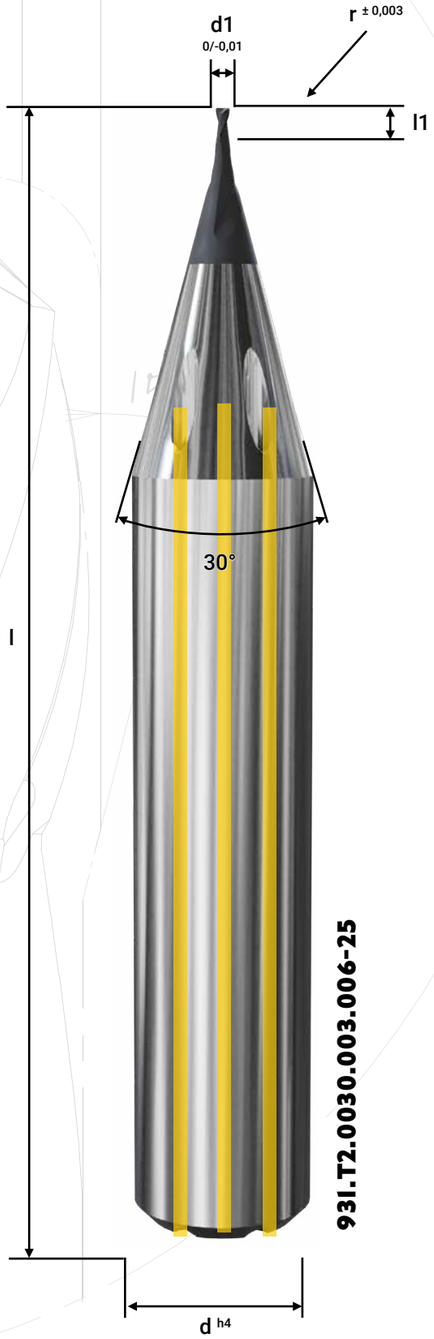
- Solid carbide 3-flute helix end mill, 12° angled flutes
- One-sided laser-sharpened diamond coating
- For wet semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

								Inclination Angle				
Article No.	d1	d2	l1	l2	d	l	z	30’	1°	1° 30’	2°	3°
930.F3.0100.000.030	1.0	0.94	2.0	3.0	4.0	50	3	4.85	5.11	5.34	5.54	5.90
930.F3.0150.000.045	1.5	1.40	3.0	4.5	4.0	50	3	5.45	5.70	5.92	6.11	6.45
930.F3.0200.000.060	2.0	1.90	4.0	6.0	4.0	50	3	7.00	7.27	7.51	7.72	8.08
930.F3.0300.000.090	3.0	2.80	6.0	9.0	4.0	50	3	10.62	10.62	10.89	11.12	-
930.F3.0400.000.120	4.0	3.80	8.0	12.0	6.0	60	3	13.41	13.75	14.04	13.30	15.02
930.F3.0600.000.180	6.0	5.90	12.0	18.0	6.0	60	3	-	-	-	-	-



NEW SERIES !
ZECHA

IGUANA 931.T2 SERIES

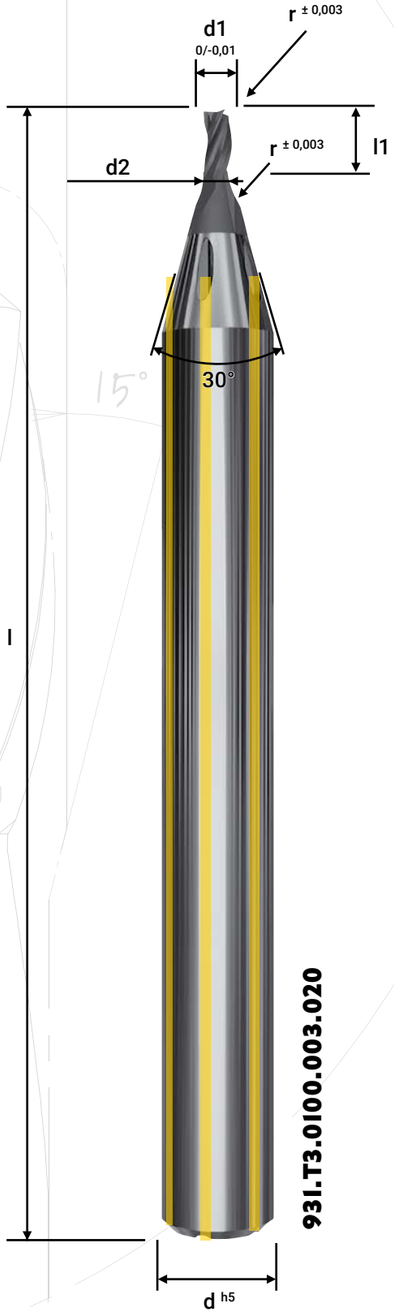
- Solid carbide 2-flute helix end mill with corner radius, shaft coolant channels, and 25° angled flutes
- Two-sided laser-sharpened diamond coating
- For wet roughing, semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU AU CU CU-BE CU-ZN FVW P PB Pt

DIA

SHOP LINK

								Inclination Angle				
Article No.	d1	r	l1	l2	d	l	Z	30′	1°	1° 30′	2°	3°
931.T2.0030.003.006-25	0.3	0.03	0.6	0.6	4.0	25	2	0.70	0.78	0.85	0.90	1.01
931.T2.0030.003.025-25	0.3	0.03	0.3	2.5	4.0	25	2	2.94	3.04	3.12	3.20	3.35
931.T2.0030.003.006	0.3	0.03	0.6	0.6	4.0	39	2	0.70	0.78	0.85	0.90	1.01



IGUANA 931.T3 SERIES

- Solid carbide 3-flute helix end mill with corner radius, shaft coolant channels, 25° angled flutes
- Two-sided laser-sharpened diamond coating
- For wet roughing, semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU AU CU CU BE CU ZN FVW P PB Pt

DIA

SHOP LINK

									Inclination Angle				
Article No.	d1	r	l1	l2	d	l	Z	30'	1°	1°30'	2°	3°
NEW! 931.T3.0040.003.008-25	0.4	0.03	0.8	0.8	4.0	25	3	0.93	1.01	1.08	1.15	1.26
NEW! 931.T3.0040.003.030-25	0.4	0.03	0.4	3.0	4.0	25	3	3.45	3.57	3.66	3.75	3.90
NEW! 931.T3.0050.003.010-25	0.5	0.03	1.0	1.0	4.0	25	3	1.47	1.58	1.66	1.74	1.87
NEW! 931.T3.0050.003.035-25	0.5	0.03	0.5	3.5	4.0	25	3	3.97	4.09	4.20	4.29	4.35
NEW! 931.T3.0080.003.016-25	0.8	0.03	1.6	1.6	4.0	25	3	2.12	2.24	2.34	2.42	2.57
NEW! 931.T3.0080.003.035-25	0.8	0.03	1.2	3.5	4.0	25	3	3.97	4.09	4.20	4.29	4.35
NEW! 931.T3.0100.003.020-25	1.0	0.03	2.0	2.0	4.0	25	3	2.54	2.68	2.78	2.87	3.03
NEW! 931.T3.0100.005.040-25	1.0	0.05	2.0	4.0	4.0	25	3	4.49	4.62	4.73	4.83	4.98
NEW! 931.T3.0120.003.024-25	1.2	0.03	2.4	2.4	4.0	25	3	2.86	3.00	3.11	3.21	3.37
NEW! 931.T3.0120.005.040-25	1.2	0.05	2.4	4.0	4.0	25	3	4.49	4.62	4.73	4.83	4.98
NEW! 931.T3.0150.003.030-25	1.5	0.03	3.0	3.0	4.0	25	3	3.49	3.65	3.77	3.87	4.04
NEW! 931.T3.0200.005.040-25	2.0	0.05	4.0	-	4.0	25	3	4.54	4.71	4.85	4.96	5.19
NEW! 931.T3.0300.005.050-25	3.0	0.05	5.0	-	6.0	25	3	6.62	6.83	6.98	7.11	7.69
NEW! 931.T3.0400.005.060-25	4.0	0.05	6.0	-	6.0	25	3	8.86	8.92	9.09	9.40	10.19
NEW! 931.T3.0040.003.008	0.4	0.03	0.8	0.8	4.0	39	3	0.93	1.01	1.08	1.15	1.26
931.T3.0050.003.010	0.5	0.03	1.0	1.0	4.0	39	3	1.47	1.58	1.66	1.74	1.87
931.T3.0080.003.016	0.8	0.03	1.6	1.6	4.0	39	3	2.12	2.24	2.34	2.42	2.57
931.T3.0100.003.020	1.0	0.03	2.0	2.0	4.0	39	3	2.54	2.68	2.78	2.87	3.03
931.T3.0120.003.024	1.2	0.03	2.4	2.4	4.0	39	3	2.86	3.00	3.11	3.21	3.37
931.T3.0150.003.030	1.5	0.03	3.0	3.0	4.0	39	3	3.49	3.65	3.77	3.87	4.04
931.T3.0200.005.040	2.0	0.05	4.0	-	4.0	39	3	4.54	4.71	4.85	4.96	5.19
931.T3.0300.005.050	3.0	0.05	5.0	-	6.0	50	3	6.62	6.83	6.98	7.11	7.69
931.T3.0400.005.060	4.0	0.05	6.0	-	6.0	50	3	8.69	8.92	9.09	9.40	10.19

IGUANA 935.B2 SERIES

- Solid carbide 2-flute helix ball end mill, 40° angled flutes
- Patented cutting geometry EP 2540427B1*
- Two-sided laser-sharpened diamond coating
- For wet semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU BE · CU ZN · FVW · P · Pb · Pt

DIA

SHOP LINK

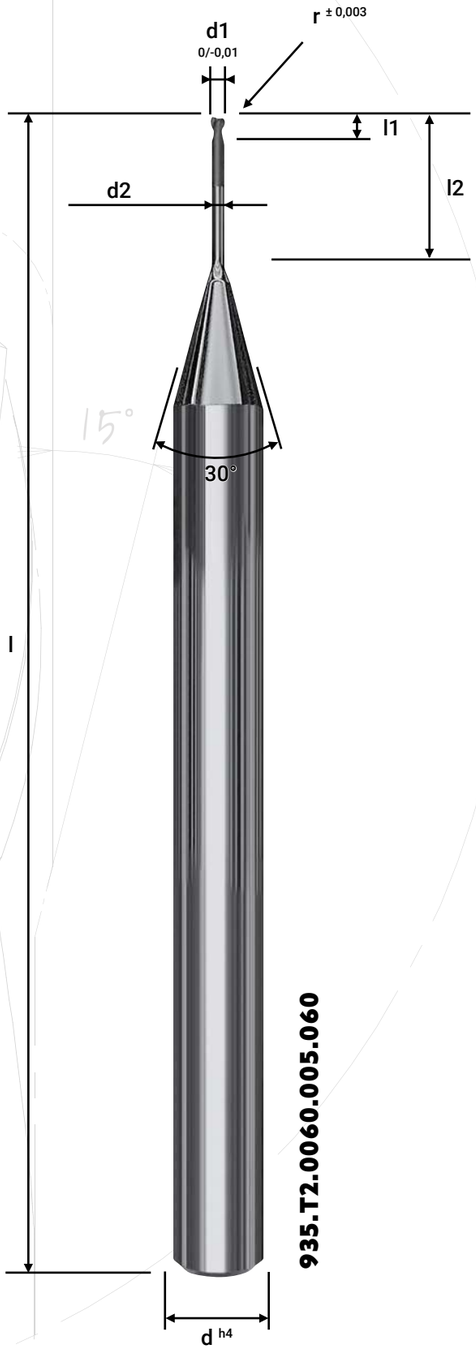
Article No.	d1	d2	r	l1	l2	d	l	z	Inclination Angle 30'	1°	1° 30'	2°	3°
935.B2.0030.015.008	0.3	0.24	0.15	0.35	0.8	4.0	50	2	1.14	1.19	1.23	1.28	1.36
935.B2.0030.015.010	0.3	0.24	0.15	0.35	1.0	4.0	50	2	1.35	1.40	1.46	1.50	1.60
935.B2.0030.015.015	0.3	0.24	0.15	0.35	1.5	4.0	50	2	1.87	1.94	2.01	2.07	2.18
935.B2.0030.015.020	0.3	0.24	0.15	0.35	2.0	4.0	50	2	2.39	2.48	2.56	2.63	2.75
935.B2.0030.015.030	0.3	0.24	0.15	0.35	3.0	4.0	50	2	3.43	3.54	3.64	3.73	3.88
935.B2.0040.020.008	0.4	0.34	0.20	0.35	0.8	4.0	50	2	1.14	1.18	1.23	1.27	1.35
935.B2.0040.020.012	0.4	0.34	0.20	0.35	1.2	4.0	50	2	1.56	1.62	1.67	1.72	1.82
935.B2.0040.020.020	0.4	0.34	0.20	0.35	2.0	4.0	50	2	2.39	2.47	2.55	2.62	2.75
935.B2.0040.020.040	0.4	0.34	0.20	0.35	4.0	4.0	50	2	4.46	4.60	4.71	4.81	4.96
935.B2.0050.025.008	0.5	0.44	0.25	0.35	0.8	4.0	50	2	1.13	1.18	1.22	1.26	1.34
935.B2.0050.025.020	0.5	0.44	0.25	0.35	2.0	4.0	50	2	2.39	2.47	2.55	2.61	2.74
935.B2.0050.025.025	0.5	0.44	0.25	0.35	2.5	4.0	50	2	2.91	3.00	3.09	3.17	3.31
935.B2.0050.025.030	0.5	0.44	0.25	0.35	3.0	4.0	50	2	3.43	3.54	3.63	3.72	3.86
935.B2.0050.025.040	0.5	0.44	0.25	0.35	4.0	4.0	50	2	4.46	4.59	4.70	4.80	4.96
935.B2.0050.025.050	0.5	0.44	0.25	0.35	5.0	4.0	50	2	5.49	5.64	5.77	5.88	6.21
935.B2.0050.025.060	0.5	0.44	0.25	0.35	6.0	4.0	50	2	6.53	6.69	6.83	6.89	7.46
935.B2.0060.030.009	0.6	0.54	0.30	0.40	0.9	4.0	50	2	1.24	1.28	1.33	1.37	1.45
935.B2.0060.030.030	0.6	0.54	0.30	0.40	3.0	4.0	50	2	3.42	3.53	3.63	3.71	3.86
935.B2.0060.030.040	0.6	0.54	0.30	0.40	3.0	4.0	50	2	4.46	4.59	4.70	4.80	4.96
935.B2.0060.030.060	0.6	0.54	0.30	0.40	6.0	4.0	50	2	6.52	6.69	6.83	6.94	7.46
935.B2.0060.030.090	0.6	0.54	0.30	0.40	9.0	4.0	50	2	9.61	9.82	9.97	10.35	11.21
935.B2.0080.040.012	0.8	0.74	0.40	0.50	1.2	4.0	50	2	1.55	1.60	1.65	1.70	1.79
935.B2.0080.040.020	0.8	0.74	0.40	0.50	2.0	4.0	50	2	2.38	2.46	2.53	2.60	2.72
935.B2.0080.040.040	0.8	0.74	0.40	0.50	4.0	4.0	50	2	4.46	4.58	4.69	4.79	4.95
935.B2.0080.040.060	0.8	0.74	0.40	0.50	6.0	4.0	50	2	6.50	6.67	6.80	6.92	7.44
935.B2.0080.040.080	0.8	0.74	0.40	0.50	8.0	4.0	50	2	8.58	8.77	8.93	9.19	9.95
935.B2.0100.050.015	1.0	0.95	0.50	0.80	1.5	4.0	50	2	1.83	1.89	1.95	2.00	2.10
935.B2.0100.050.030	1.0	0.95	0.50	0.80	3.0	4.0	50	2	3.39	3.50	3.59	3.68	3.82
935.B2.0100.050.050	1.0	0.95	0.50	0.80	5.0	4.0	50	2	5.47	5.62	5.74	5.85	6.19
935.B2.0100.050.060	1.0	0.95	0.50	0.80	6.0	4.0	50	2	6.50	6.67	6.80	6.92	7.44
935.B2.0100.050.080	1.0	0.95	0.50	0.80	8.0	4.0	50	2	8.56	8.76	8.91	9.18	9.94

*DE, AT, CH, LIE, CZ, FR, GB, IT, NL, PL, PT, TR

continued on next page...

IGUANA 935.B2 SERIES...CONTINUED

									Inclination Angle				
Article No.	d1	d2	r	l1	l2	d	l	z	30′	1°	1° 30′	2°	3°
935.B2.0100.050.100	1.0	0.95	0.50	0.80	10.0	4.0	50	2	10.61	10.83	11.07	11.49	12.44
935.B2.0100.050.150	1.0	0.95	0.50	0.80	15.0	4.0	50	2	15.73	16.03	16.62	17.26	18.69
935.B2.0150.075.025	1.5	1.42	0.75	1.05	2.5	4.0	50	2	2.93	3.01	3.08	3.14	3.26
935.B2.0150.075.050	1.5	1.42	0.75	1.05	5.0	4.0	50	2	5.51	5.65	5.76	5.86	6.20
935.B2.0150.075.080	1.5	1.42	0.75	1.05	8.0	4.0	50	2	8.60	8.78	8.93	9.19	9.95
935.B2.0150.075.100	1.5	1.42	0.75	1.05	10.0	4.0	50	2	10.65	10.86	11.08	11.50	12.45
935.B2.0150.075.150	1.5	1.42	0.75	1.05	15.0	4.0	50	2	15.73	16.04	16.63	17.27	18.70
935.B2.0150.075.200	1.5	1.42	0.75	1.05	20.0	4.0	50	2	20.86	21.40	22.19	23.04	-
935.B2.0200.100.030	2.0	1.92	1.00	1.30	3.0	4.0	50	2	3.44	3.52	3.60	3.67	3.79
935.B2.0200.100.060	2.0	1.92	1.00	1.30	6.0	4.0	50	2	6.54	6.68	6.81	6.91	7.43
935.B2.0200.100.080	2.0	1.92	1.00	1.30	8.0	4.0	50	2	8.25	8.54	8.85	9.18	9.93
935.B2.0200.100.120	2.0	1.92	1.00	1.30	12.0	4.0	50	2	12.69	12.92	13.29	13.80	14.93
935.B2.0200.100.180	2.0	1.92	1.00	1.30	18.0	4.0	60	2	18.91	19.25	19.96	20.72	-
935.B2.0200.100.240	2.0	1.92	1.00	1.30	24.0	4.0	60	2	24.85	25.68	26.63	27.64	-
935.B2.0300.150.060	3.0	2.82	1.50	1.80	6.0	4.0	60	2	6.68	6.79	6.89	6.91	7.46
935.B2.0300.150.090	3.0	2.82	1.50	1.80	9.0	4.0	60	2	9.74	9.90	10.00	10.37	-
935.B2.0300.150.180	3.0	2.82	1.50	1.80	18.0	4.0	60	2	18.91	19.29	20.00	-	-
935.B2.0300.150.240	3.0	2.82	1.50	1.80	24.0	4.0	60	2	24.85	25.72	-	-	-
935.B2.0400.200.080	4.0	3.82	2.00	2.50	8.0	6.0	60	2	8.71	8.85	8.87	9.20	9.93
935.B2.0400.200.120	4.0	3.82	2.00	2.50	12.0	6.0	60	2	12.79	12.86	13.32	13.81	14.93
935.B2.0400.200.240	4.0	3.82	2.00	2.50	24.0	6.0	60	2	24.85	25.71	26.65	27.66	-
935.B2.0500.250.100	5.0	4.82	2.50	3.00	10.0	6.0	60	2	10.74	10.90	11.08	11.49	-
935.B2.0500.250.150	5.0	4.82	2.50	3.00	15.0	6.0	60	2	15.84	16.06	16.64	-	-
935.B2.0500.250.250	5.0	4.82	2.50	3.00	25.0	6.0	60	2	25.88	26.78	-	-	-
935.B2.0600.300.120	6.0	5.82	3.00	3.50	12.0	6.0	60	2	-	-	-	-	-
935.B2.0600.300.180	6.0	5.82	3.00	3.50	18.0	6.0	60	2	-	-	-	-	-
935.B2.0600.300.300	6.0	5.82	3.00	3.50	30.0	6.0	60	2	-	-	-	-	-



IGUANA 935.T2 SERIES

- Solid carbide 2-flute helix end mill with corner radius, 35° angled flutes
- Patented cutting geometry EP 2540427B1*
- Two-sided laser-sharpened diamond coating
- For wet semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

SHOP LINK

Article No.	d1	d2	r	l1	l2	d	l	z	Inclination Angle 30’	1°	1° 30’	2°	3°
935.T2.0050.005.008	0.5	0.44	0.05	0.3	0.8	4.0	50	2	1.14	1.19	1.24	1.29	1.38
935.T2.0050.005.025	0.5	0.44	0.05	0.3	2.5	4.0	50	2	2.91	3.02	3.11	3.19	3.33
935.T2.0050.005.050	0.5	0.44	0.05	0.3	5.0	4.0	50	2	5.50	5.66	5.78	5.89	6.22
935.T2.0050.005.075	0.5	0.44	0.05	0.3	7.5	4.0	50	2	8.07	8.27	8.42	8.63	9.35
935.T2.0050.005.100	0.5	0.44	0.05	0.3	10.0	4.0	50	2	10.64	10.86	11.08	11.51	12.47
935.T2.0060.005.009	0.6	0.54	0.05	0.3	0.9	4.0	50	2	1.25	1.30	1.36	1.40	1.50
935.T2.0060.005.030	0.6	0.54	0.05	0.3	3.0	4.0	50	2	3.43	3.55	3.65	3.73	3.89
935.T2.0060.005.060	0.6	0.54	0.05	0.3	6.0	4.0	50	2	6.53	6.70	6.84	6.90	7.47
935.T2.0080.005.012	0.8	0.74	0.05	0.3	1.2	4.0	50	2	1.56	1.63	1.69	1.74	1.85
935.T2.0080.005.040	0.8	0.74	0.05	0.3	4.0	4.0	50	2	4.47	4.60	4.72	4.82	4.97
935.T2.0080.005.080	0.8	0.74	0.05	0.3	8.0	4.0	50	2	8.59	8.79	8.86	9.20	9.97
935.T2.0080.020.040	0.8	0.74	0.20	0.45	4.0	4.0	50	2	4.47	4.60	4.72	4.82	4.97

*DE, AT, CH, LIE, CZ, FR, GB, IT, NL, PL, PT, TR

IGUANA 935.T3 SERIES

- Solid carbide 3-flute helix end mill with corner radius, 35° angled flutes
- Patented cutting geometry EP 2540427B1*
- Two-sided laser-sharpened diamond coating
- For wet semi-finishing or finishing of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU BE · CU ZN · FVW · P · PB · Pt

DIA

SHOP LINK

Article No.	d1	d2	r	l1	l2	d	l	z	Inclination Angle 30'	1°	1° 30'	2°	3°
935.T3.0100.010.015	1.0	0.95	0.10	0.40	1.5	4.0	50	3	1.85	1.92	1.99	2.06	2.17
935.T3.0100.010.050	1.0	0.95	0.10	0.40	5.0	4.0	50	3	5.48	5.64	5.77	5.88	6.21
NEW! 935.T3.0100.010.060	1.0	0.95	0.10	0.40	6.0	4.0	50	3	6.51	6.69	6 83	6.89	7.46
935.T3.0100.010.100	1.0	0.95	0.10	0.40	10.0	4.0	50	3	10.62	10.85	11.08	11.50	12.46
935.T3.0100.010.150	1.0	0.95	0.10	0.40	15.0	4.0	50	3	15.74	16.04	16.63	17.27	18.71
935.T3.0100.020.015	1.0	0.95	0.20	0.50	1.5	4.0	50	3	1.84	1.92	1.98	2.04	2.16
935.T3.0100.020.050	1.0	0.95	0.20	0.50	5.0	4.0	50	3	5.48	5.63	5.76	5.87	6.21
935.T3.0100.020.100	1.0	0.95	0.20	0.50	10.0	4.0	50	3	10.62	10.85	11.08	11.50	12.46
935.T3.0100.020.150	1.0	0.95	0.20	0.50	15.0	4.0	50	3	15.74	16.04	16.36	17.27	18.71
935.T3.0150.010.025	1.5	1.42	0.10	0.40	2.5	4.0	50	3	2.95	3.05	3.13	3.21	3.35
935.T3.0150.010.050	1.5	1.42	0.10	0.40	5.0	4.0	50	3	5.53	5.68	5.80	5.91	6.23
935.T3.0150.010.100	1.5	1.42	0.10	0.40	10.0	4.0	50	3	10.67	10.88	11.09	11.52	12.48
935.T3.0150.010.150	1.5	1.42	0.10	0.40	15.0	4.0	50	3	15.77	16.05	16.65	17.29	18.73
935.T3.0150.010.200	1.5	1.42	0.10	0.40	20.0	4.0	50	3	20.87	21.41	22.20	23.06	-
935.T3.0150.015.025	1.5	1.42	0.15	0.45	2.5	4.0	50	3	2.95	3.05	3.13	3.21	3.34
935.T3.0150.015.050	1.5	1.42	0.15	0.45	5.0	4.0	50	3	5.53	5.68	5.80	5.91	6.23
935.T3.0150.015.100	1.5	1.42	0.15	0.45	10.0	4.0	50	3	10.67	10.88	11.09	11.52	12.48
935.T3.0150.015.150	1.5	1.42	0.15	0.45	15.0	4.0	50	3	15.77	16.05	16.65	17.29	18.73
935.T3.0150.015.200	1.5	1.42	0.15	0.45	20.0	4.0	50	3	20.87	21.41	22.20	23.06	-
935.T3.0150.020.025	1.5	1.42	0.20	0.50	2.5	4.0	50	3	2.95	3.04	3.13	3.20	3.34
935.T3.0150.020.050	1.5	1.42	0.20	0.50	5.0	4.0	50	3	5.53	5.68	5.80	5.90	6.22
935.T3.0150.020.100	1.5	1.42	0.20	0.50	10.0	4.0	50	3	10.66	10.88	11.09	11.52	12.47
935.T3.0150.020.150	1.5	1.42	0.20	0.50	15.0	4.0	50	3	15.77	16.05	16.65	17.29	18.72
935.T3.0150.020.200	1.5	1.42	0.20	0.50	20.0	4.0	60	3	20.87	21.41	22.20	23.05	-

*DE, AT, CH, LIE, CZ, FR, GB, IT, NL, PL, PT, TR

continued on next page...

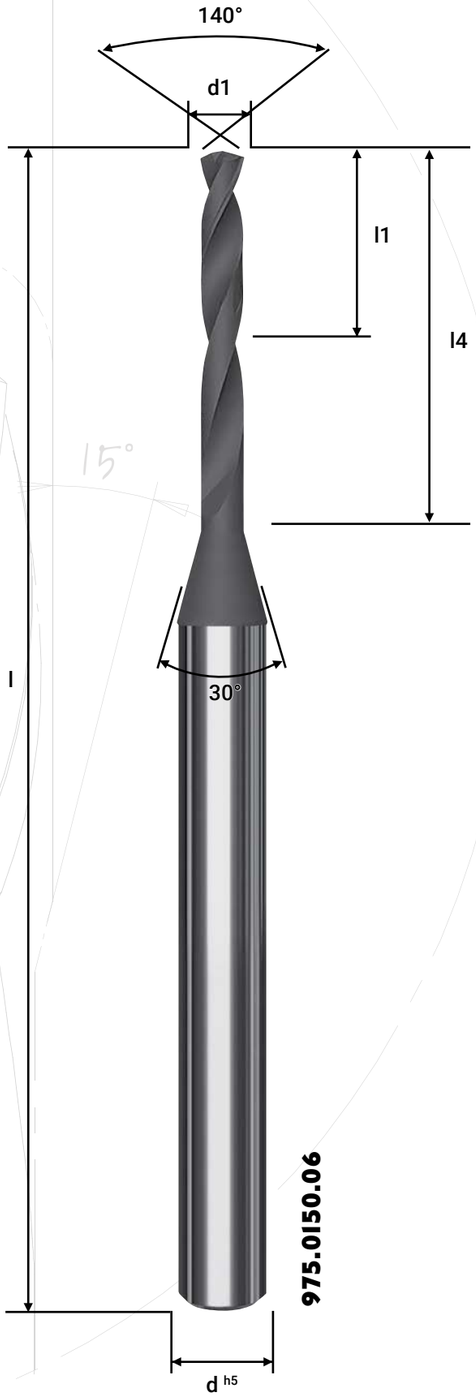
IGUANA 935.T3 SERIES...CONTINUED

Article No.	d1	d2	r	l1	l2	d	l	Z	Inclination Angle 30'	1°	1° 30'	2°	3°
935.T3.0200.010.030	2.0	1.92	0.10	0.40	3.0	4.0	50	3	3.47	3.58	3.67	3.76	3.91
935.T3.0200.010.060	2.0	1.92	0.10	0.40	6.0	4.0	50	3	6.56	6.73	6.86	6.90	7.48
935.T3.0200.010.120	2.0	1.92	0.10	0.40	12.0	4.0	50	3	12.71	12.84	13.32	13.83	14.98
935.T3.0200.010.180	2.0	1.92	0.10	0.40	18.0	4.0	50	3	18.83	19.27	19.98	20.75	-
935.T3.0200.010.240	2.0	1.92	0.10	0.40	24.0	4.0	70	3	24.93	25.70	26.65	27.67	-
935.T3.0200.010.300	2.0	1.92	0.10	0.40	30.0	4.0	70	3	31.02	32.13	33.32	-	-
935.T3.0200.020.030	2.0	1.92	0.20	0.50	3.0	4.0	50	3	3.47	3.57	3.66	3.75	3.89
935.T3.0200.020.060	2.0	1.92	0.20	0.50	6.0	4.0	50	3	6.56	6.72	6.86	6.90	7.47
NEW! 935.T3.0200.020.100	2.0	1.92	0.20	0.50	10.0	4.0	50	3	10.33	10.70	11.09	11.52	12.47
935.T3.0200.020.120	2.0	1.92	0.20	0.50	12.0	4.0	50	3	12.71	12.84	13.31	13.82	14.97
935.T3.0200.020.180	2.0	1.92	0.20	0.50	18.0	4.0	70	3	18.83	19.27	19.98	20.75	-
935.T3.0200.020.240	2.0	1.92	0.20	0.50	24.0	4.0	70	3	24.93	25.70	26.65	27.67	-
935.T3.0200.020.300	2.0	1.92	0.20	0.50	30.0	4.0	50	3	31.02	32.12	33.31	-	-
935.T3.0200.030.030	2.0	1.92	0.30	0.60	3.0	4.0	50	3	3.46	3.57	3.66	3.74	3.88
935.T3.0200.030.060	2.0	1.92	0.30	0.60	6.0	4.0	50	3	6.56	6.72	6.85	6.90	7.47
935.T3.0200.030.120	2.0	1.92	0.30	0.60	12.0	4.0	50	3	12.71	12.94	13.31	13.82	14.97
935.T3.0200.030.180	2.0	1.92	0.30	0.60	18.0	4.0	70	3	18.83	19.27	19.98	20.74	-
935.T3.0200.030.240	2.0	1.92	0.30	0.60	24.0	4.0	70	3	24.93	25.69	26.64	27.67	-
935.T3.0200.030.300	2.0	1.92	0.30	0.60	30.0	4.0	50	3	31.02	32.12	33.31	-	-
935.T3.0200.050.030	2.0	1.92	0.50	0.80	3.0	4.0	50	3	3.46	3.56	3.64	3.72	3.86
935.T3.0200.050.060	2.0	1.92	0.50	0.80	6.0	4.0	50	3	6.55	6.71	6.84	6.89	7.46
935.T3.0200.050.120	2.0	1.92	0.50	0.80	12.0	4.0	50	3	12.70	12.93	13.31	13.81	14.96
935.T3.0200.050.180	2.0	1.92	0.50	0.80	18.0	4.0	70	3	18.82	19.26	19.97	20.74	-
935.T3.0200.050.240	2.0	1.92	0.50	0.80	24.0	4.0	70	3	24.93	25.69	26.64	27.66	-
935.T3.0200.050.300	3.0	2.82	0.50	0.80	30.0	4.0	60	3	31.02	32.12	33.31	-	-
935.T3.0300.010.060	3.0	2.82	0.10	0.40	6.0	4.0	60	3	6.71	6.85	6.70	6.95	7.53
935.T3.0300.010.090	3.0	2.82	0.10	0.40	9.0	4.0	60	3	9.77	9.68	10.03	10.42	-
935.T3.0300.010.180	3.0	2.82	0.10	0.40	18.0	4.0	60	3	18.94	19.32	20.03	-	-
935.T3.0300.010.240	3.0	2.82	0.10	0.40	24.0	4.0	60	3	24.86	25.75	-	-	-
935.T3.0300.020.060	3.0	2.82	0.20	0.50	6.0	4.0	60	3	6.71	6.84	6.70	6.95	7.52
NEW! 935.T3.0300.020.080	3.0	2.82	0.20	0.50	8.0	4.0	60	3	8.31	8.60	8.92	9.26	10.02
935.T3.0300.020.090	3.0	2.82	0.20	0.50	9.0	4.0	60	3	9.34	9.67	10.03	10.41	-
NEW! 935.T3.0300.020.160	3.0	2.82	0.20	0.50	16.0	4.0	60	3	16.58	17.17	17.81	-	-
935.T3.0300.020.180	3.0	2.82	0.20	0.50	18.0	4.0	60	3	18.94	19.32	20.03	-	-
935.T3.0300.020.240	3.0	2.82	0.20	0.50	24.0	4.0	60	3	24.86	25.75	-	-	-
935.T3.0300.030.060	3.0	2.82	0.30	0.60	6.0	4.0	60	3	6.70	6.84	6.69	6.95	7.52
935.T3.0300.030.090	3.0	2.82	0.30	0.60	9.0	4.0	60	3	9.77	9.94	10.03	10.41	-
935.T3.0300.030.180	3.0	2.82	0.30	0.60	18.0	4.0	60	3	18.93	19.32	20.03	-	-
935.T3.0300.030.240	3.0	2.82	0.30	0.60	24.0	4.0	60	3	24.86	25.74	-	-	-
935.T3.0300.050.060	3.0	2.82	0.50	0.80	6.0	4.0	60	3	6.70	6.83	6.69	6.94	7.51
935.T3.0300.050.090	3.0	2.82	0.50	0.80	9.0	4.0	60	3	9.76	9.94	10.02	10.40	-
NEW! 935.T3.0300.050.160	3.0	2.82	0.50	0.80	16.0	4.0	60	3	16.58	17.17	17.80	-	-
935.T3.0300.050.180	3.0	2.82	0.50	0.80	18.0	4.0	60	3	18.93	19.31	20.02	-	-
935.T3.0300.050.240	3.0	2.82	0.50	0.80	24.0	4.0	60	3	24.86	25.74	-	-	-

continued on next page...

IGUANA 935.T3 SERIES...CONTINUED

									Inclination Angle				
Article No.	d1	d2	r	l1	l2	d	l	z	30'	1°	1° 30'	2°	3°
935.T3.0400.020.080	4.0	3.82	0.20	0.70	8.0	6.0	60	3	8.75	8.91	8.92	9.26	10.02
935.T3.0400.020.120	4.0	3.82	0.20	0.70	12.0	6.0	60	3	12.83	12.89	13.36	13.87	15.02
935.T3.0400.020.240	4.0	3.82	0.20	0.70	24.0	6.0	60	3	24.86	25.75	26.70	27.72	-
935.T3.0400.030.080	4.0	3.82	0.30	0.80	8.0	6.0	60	3	8.75	8.91	8.92	9.26	10.02
935.T3.0400.030.120	4.0	3.82	0.30	0.80	12.0	6.0	60	3	12.83	12.89	13.36	13.87	15.02
935.T3.0400.030.240	4.0	3.82	0.30	0.80	24.0	6.0	60	3	24.86	25.74	26.69	27.72	-
935.T3.0400.050.080	4.0	3.82	0.50	1.00	8.0	6.0	60	3	8.74	8.90	8.91	9.25	10.01
935.T3.0400.050.120	4.0	3.82	0.50	1.00	12.0	6.0	60	3	12.82	12.88	13.36	13.86	15.01
935.T3.0400.050.240	4.0	3.82	0.50	1.00	24.0	6.0	60	3	24.86	25.74	26.69	27.71	-
935.T3.0500.030.080	5.0	4.82	0.30	0.80	8.0	6.0	60	3	8.75	8.91	8.92	9.26	10.02
935.T3.0500.030.150	5.0	4.82	0.30	0.80	15.0	6.0	60	3	15.88	16.10	16.69	-	-
935.T3.0500.030.250	5.0	4.82	0.30	0.80	25.0	6.0	60	3	25.89	26.82	-	-	-
935.T3.0500.050.080	5.0	4.82	0.50	1.00	8.0	6.0	60	3	8.74	8.90	8.91	9.25	10.01
935.T3.0500.050.150	5.0	4.82	0.50	1.00	15.0	6.0	60	3	15.88	16.10	16.69	-	-
935.T3.0500.050.250	5.0	4.82	0.50	1.00	25.0	6.0	60	3	25.89	26.81	-	-	-
935.T3.0600.020.100	6.0	5.82	0.20	0.70	10.0	6.0	60	3	-	-	-	-	-
935.T3.0600.020.180	6.0	5.82	0.20	0.70	18.0	6.0	60	3	-	-	-	-	-
935.T3.0600.020.300	6.0	5.82	0.20	0.70	30.0	6.0	60	3	-	-	-	-	-
935.T3.0600.030.100	6.0	5.82	0.30	0.80	10.0	6.0	60	3	-	-	-	-	-
935.T3.0600.030.180	6.0	5.82	0.30	0.80	18.0	6.0	60	3	-	-	-	-	-
935.T3.0600.030.300	6.0	5.82	0.30	0.80	30.0	6.0	60	3	-	-	-	-	-
935.T3.0600.050.100	6.0	5.82	0.50	1.00	10.0	6.0	60	3	-	-	-	-	-
935.T3.0600.050.180	6.0	5.82	0.50	1.00	18.0	6.0	60	3	-	-	-	-	-
NEW! 935.T3.0600.050.250	6.0	5.82	0.50	1.00	25.0	6.0	60	3	-	-	-	-	-
935.T3.0600.050.300	6.0	5.82	0.50	1.00	30.0	6.0	60	3	-	-	-	-	-



IGUANA 975 SERIES

- Solid carbide 2-flute twist drill, 30° angled flutes
- One-sided laser-sharpened diamond coating
- For wet drilling of non-ferrous metals
- Neck extension or reduction of the total length upon request

ALU · AU · CU · CU-BE · CU-ZN · FVW · P · PB · Pt

DIA

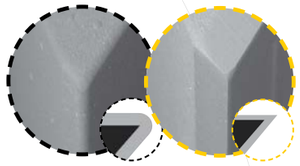
SHOP LINK

Article No.	d1	l1	l4	d	l
975.0080.06	0.8	6.5	6.8	3.0	38
975.0090.06	0.9	7.0	7.3	3.0	38
975.0100.06	1.0	9.0	9.3	3.0	38
975.0110.06	1.1	9.0	9.3	3.0	38
975.0120.06	1.2	10.0	10.3	3.0	38
975.0130.06	1.3	10.0	10.3	3.0	38
975.0140.06	1.4	11.5	11.8	3.0	38
975.0150.06	1.5	12.0	12.3	3.0	38
975.0160.06	1.6	12.0	12.3	3.0	38
975.0170.06	1.7	12.0	12.3	3.0	38
975.0180.06	1.8	12.0	12.3	3.0	38
975.0190.06	1.9	12.0	12.3	3.0	38
975.0200.06	2.0	12.0	12.3	3.0	38

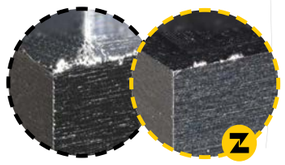
IGUANA
LASER SERIES

ONCE AGAIN, SUMMARIZED

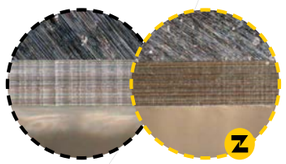
THE ESSENTIALS AT A GLANCE



Uniquely worldwide, laser-sharpened diamond tools with cutting edges below 1 µm – for ultra-precise results, minimal heat generation, and maximum tool life. Developed for non-ferrous metals, precious metals, and abrasive plastics, IGUANA delivers flawless surfaces and exceptional durability.



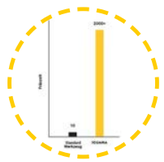
Laser-precisely sharpened for mirror-smooth surfaces straight off the machine. IGUANA reduces cutting forces and heat, minimizes rework, and ensures consistently flawless results – even with the most demanding materials.



Designed specifically for the watchmaking industry: IGUANA micro end mills with 25 mm length and optimized geometry for burr-free drilling, perfect surfaces, and maximum tool life in the smallest spaces.

Winner of the Baden-Württemberg Innovation Award: IGUANA stands for laser-sharpened diamond tools under 1 µm – a milestone in precision and tool life for micro-machining.

30 days of live-stream milling with just one IGUANA tool – 641 hours, 27 km, and still sharp. Dimensional accuracy < 0.002 mm, N4–N5 surfaces:
The endurance test impressively confirms IGUANA's award-winning technology.



Thanks to its laser-sharp diamond coating, IGUANA remains precise over extremely long operating times – even with highly abrasive materials. Fewer tool changes, maximum efficiency.

SERIES OVERVIEW

The IGUANA LASER SERIES has several variations, which we break down below. Here you will find a brief explanation of the tool series as well as relevant symbols for the properties of the tools. More information about the series and a legend to the symbols can be found on the following pages.

Series	Suitable Materials									Suitable Machining Processes							Blank material / Coating			Tool design							
	Aluminum	Brass	Brass (Lead-Free)	Copper	Copper-Beryllium	Fibre-Reinforced Materials	Gold	Plastic	Platinum	Drilling	Roughing	Pre-Finishing	Finishing	HSC	Dry	Wet	DIA	One-Sided Laser Sharpened	Two Sided Laser Sharpened	Geometry	Flutes	Center cut	Angled Flutes	Helix Flutes	Internal cooling	Patented Design	Measurement protocol
902	xx[1]	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x		x	Ball	2	x	x				x
903	xx	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x	x		Ball	2	x	x				x
905	xx		xx	xx	xx	xx	xx	xx					x	x	x	x	x		x	Chamfer	3	x			x		x
912	xx	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x		x	Toric	2		x				x
913	xx	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x	x		Toric	2		x				x
915	xx	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x		x	Square	3		x				x
916	xx	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x	x		Square	3		x				x
918.F2	xx	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x		x	Square	3	x	x		x		x
918.F3	xx	xx	xx	xx	xx	xx	xx	xx	xx				x	x	x	x	x		x	Square	3	x	x		x		x
930.B2	xx	xx	xx	xx	xx	xx	xx	xx	xx			x	x	x	x	x	x	x		Ball	2	x		x			x
930.T2	xx	xx	xx	xx	xx	xx	xx	xx	xx			x	x	x	x	x	x	x		Toric	2			x			x
930.F3	xx	xx	xx	xx	xx	xx	xx	xx	xx			x	x	x	x	x	x	x		Square	3			x			x
931.T2	xx	xx	xx	xx	xx	xx	xx	xx	xx		x	x	x	x	x	x	x	x		Toric	2	x		x	x		x
931.T3	xx	xx	xx	xx	xx	xx	xx	xx	xx		x	x	x	x	x	x	x		x	Toric	3	x		x	x		x
935.B2	xx	xx	xx	xx	xx	xx	xx	xx	xx			x	x	x	x	x	x		x	Ball	2	x		x		x	x
935.T2	xx	xx	xx	xx	xx	xx	xx	xx	xx			x	x	x	x	x	x		x	Toric	2			x		x	x
935.T3	xx	xx	xx	xx	xx	xx	xx	xx	xx			x	x	x	x	x	x		x	Toric	3	x		x		x	x
975	xx	xx	xx	xx	xx	xx	xx	xx	xx	x				x	x	x	x	x		Twist Drill	2			x			x

1 „xx" indicates that it is optimally designed for processing this material, „x" indicates that it also works in this material.

IGUANA
LASER SERIES

ICON LEGEND

? White background icons with black text represent Primary Recommended materials

? Gray background icons with black text represent Secondary Recommended materials

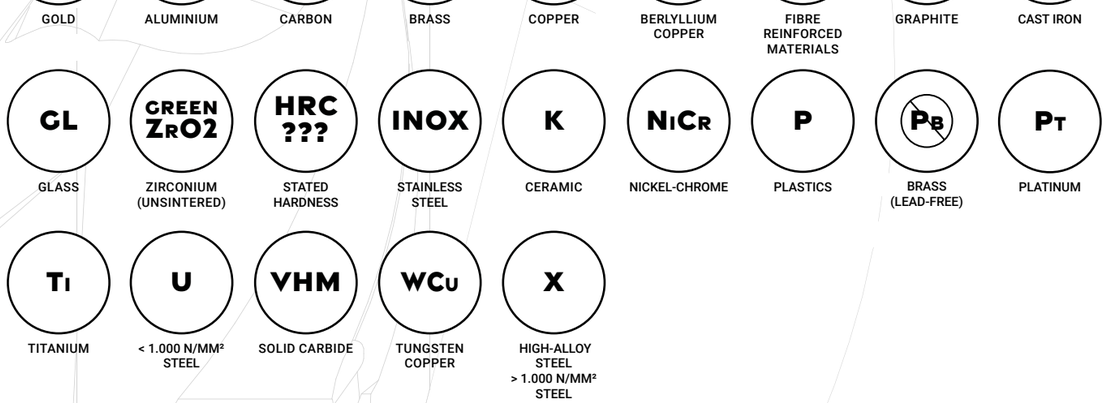
? Black background icons with white text represent the tool´s coating or cutting material

? Yellow background icons with white text represent various tool properties

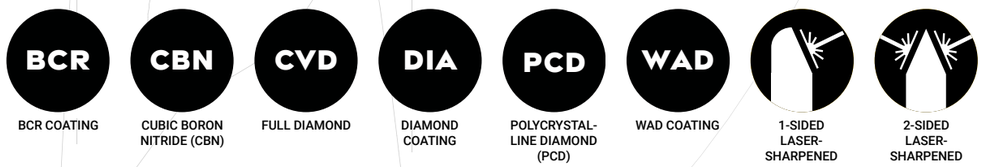
? Yellow background icons with black text represent indication types of the tools

ICONS

Material

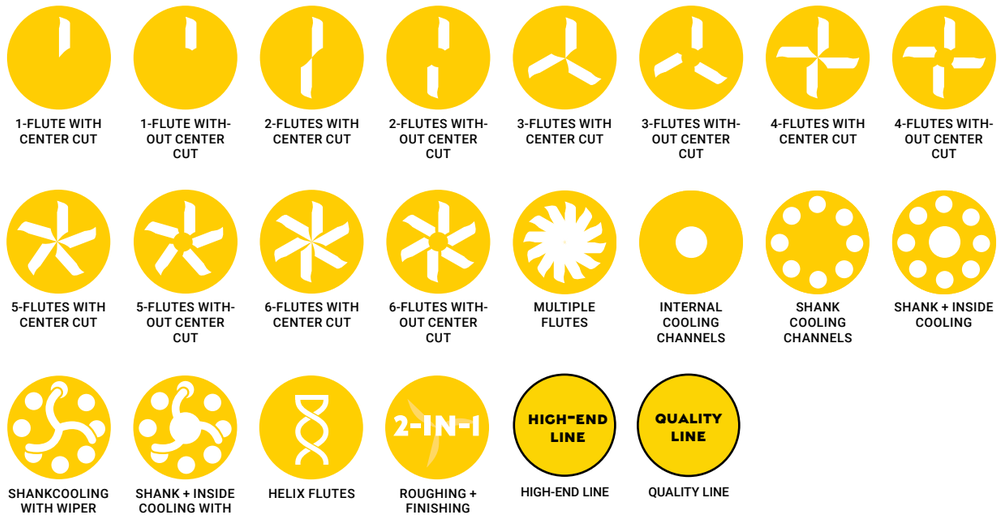


Coating / Cutting Material



Recommended use

Tool properties



FURTHER INFO

Safety instructions:

1. Wet machining is recommended for optimum machining results with our cutters and drills; dry machining is only suitable under certain conditions.

2. Keep the temperature low during use of our cutters and drills by constant cooling to ensure performance and safety.

3. Always follow the specific application recommendations for our milling cutters and drills per series to ensure optimum results and safety.

4. High concentricity of the machine is essential for the safe and efficient use of our cutters and drills.

5. A tool with a center cut is not necessarily suitable for a plunge process! In this case, consult ZECHA Support.

ZECHA‘S EXCELLENCE IN INNOVATION AND ACHIEVEMENT

ZECHA Hartmetall-Werkzeugfabrikation GmbH owes its success to motivated, forward-thinking individuals whose passion and dedication drive continuous innovation. This commitment has earned the company prestigious accolades, including the **Innovation Award of the State of Baden-Württemberg** for pioneering diamond-coated micro-precision tools that set new global standards. ZECHA was also honored with the **TOP 100 Award**, recognizing its outstanding innovation management and systematic approach to future success.

ZECHA
außergewöhnlich.

THE NEW ZECHA BRANDING

Over the years, brands consistently evolve and transform to meet the changing needs and preferences of their consumers. In the competitive landscape of 2023, ZECHA is poised to introduce its new brand identity, marking a significant milestone in its journey. The unveiling of the ZECHA branding represents a culmination of the brand's growth and commitment to excellence.

At the core of the new ZECHA logo lies a perfect circle, which symbolizes the meticulous process of the first step in the process of making all tools at ZECHA, which is grinding tools into flawless cylinders. This iconic image embodies ZECHA's dedication to precision and quality. It signifies the brand's unwavering pursuit of perfection, ensuring that every tool manufactured by ZECHA is perfectly concentric, guaranteeing superior performance.

In the new branding, ZECHA also integrates the word "außergewöhnlich" into various visuals. Derived from the German language, "außergewöhnlich" translates to "extraordinary" in English. This carefully chosen word encapsulates the overarching goal of every product created by ZECHA. It signifies the brand's commitment to delivering exceptional tools that surpass expectations and set new standards within the industry.

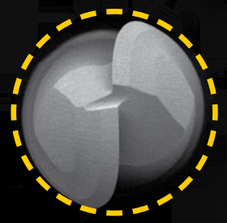
The ZECHA Logo through the years:

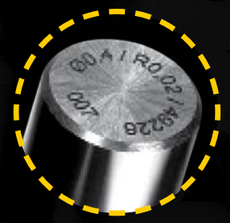
ZECHA'S COMMITMENT TO EXCELLENCE

OVER HALF A CENTURY OF PRECISION

ZECHA Hartmetall-Werkzeugfabrikation GmbH is a precision tool manufacturer that has been in Baden-Württemberg, Germany for over 60 years. With a focus on manufacturing high quality micro tools, we pride ourselves on providing our customers with the highest level of precision and consistency in our products. Our state-of-the-art manufacturing and measurement technologies allow us to maintain the highest quality standards and ensure that our tools meet our customers' needs.

With a focus on innovation and the constant research of new technologies, we improve the precision and efficiency of our tools. This philosophy allows us to stay at the forefront of the industry and provide our customers with state-of-the-art solutions for their tooling needs.

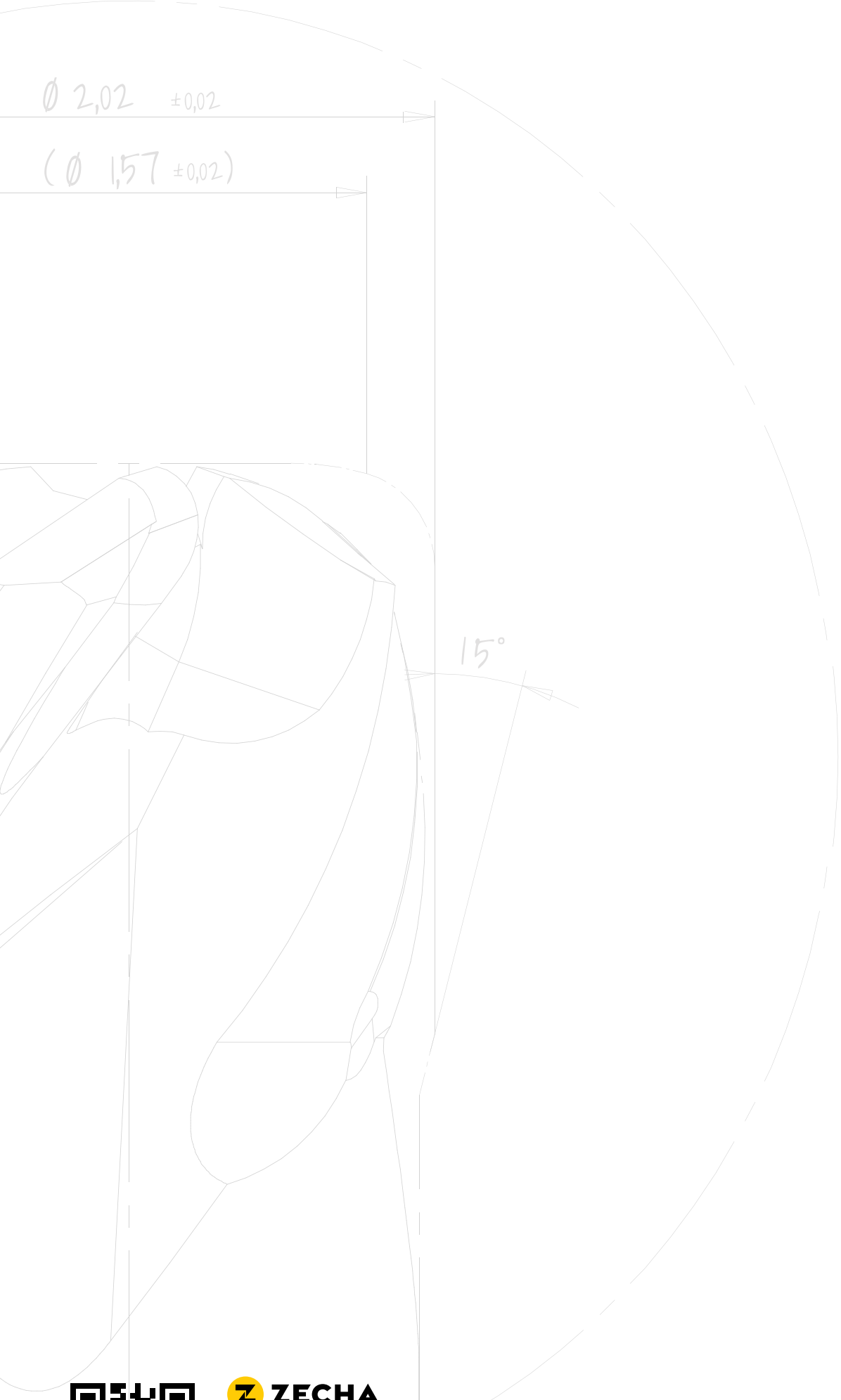




ZECHA

ZECHA

außergewöhnlich.



ZECHA

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