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ALBRECHT
Precision Chucks

90 Years ALBRECHT Drill Chucks. The best in your hands.

ALBRECHT
Precision Chucks

In 1934, Josef Albrecht invented the self-tightening Drill Chuck. We have further optimized it to this day.

Every Albrecht Drill Chuck undergoes a worldwide unique quality control. Thank you.

An eventful time.

In 1908, Josef Albrecht, born on March 15, 1872,
established the company in Esslingen.
The original space in Plochingen
was used for developing fine mechanical work.
The company focused on manufacturing
more delicate and improved drill chucks.
In 1934, Josef Albrecht introduced the
world to the first self-tightening Drill Chuck.
This innovation significantly increased
the productivity and precision of the entire industry.
With the new self-tightening Drill Chuck, clamped tools
are securely held, rigidly guided, and remain stable
even during the most demanding and delicate work.
A unity is created: quieter, more precise, faster,
and safer for drilling, sinking, and reaming.
This allows for a completely new and different surface,
and no one needs a key to install the tool in the machine anymore.
One turn of the hand is enough. Locked. **And just as easy,**
everything can be reopened to remove the tool.

1934 The clear advantages lead to swift patenting in the USA, England, Japan, and all over the world.
An Albrecht chuck enhances the performance of tool machines.

1969 In workshops, a new mindset is emerging. The new spirit of the times demands quality.

1970 An increasing number of 6-spindles are boosting productivity in the market.

1988 Our drill chucks are garnering more attention at major trade fairs.

1990 We are relocating from Esslingen to the new building in Wernau, Neckar.

1991 The MED drill chuck line for medical applications is being introduced.
Made of 100% pure stainless steel.

1992 Annual production exceeds 140,000 self-tightening drill chuck. Thank you.

1993 Our CNC drill chucks with worm gear are gaining traction in the market.

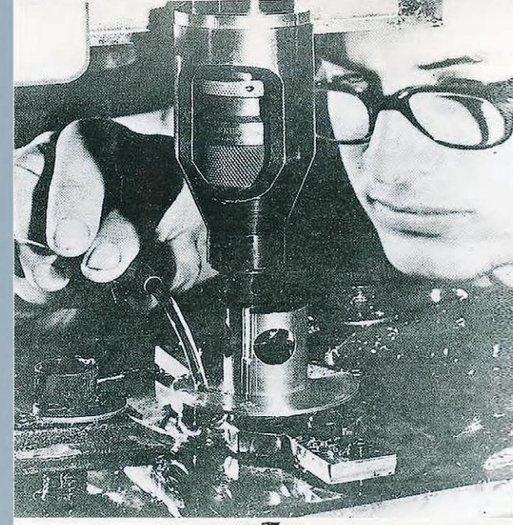
1994 ALBRECHT has become an internationally protected brand name.

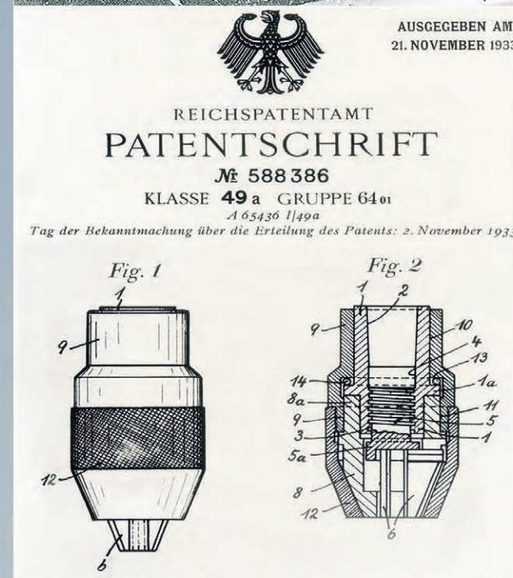
1996 A world premiere: Drill Chuck with integrated morse taper are very well received.

2007 We receive a patent for the easy-to-clean and rinseable drill feed for medical and surgical applications.

2021 New: The automatic grinding machine for jaws ensures 100% accuracy.

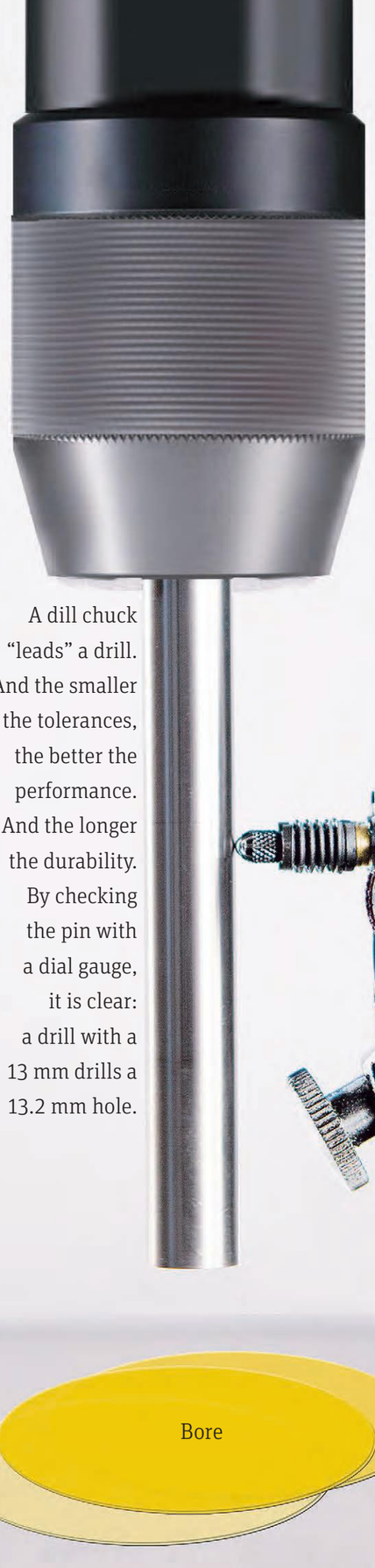
2024 The precision of every Albrecht drill chuck over the entire range is tested and confirmed before delivery.





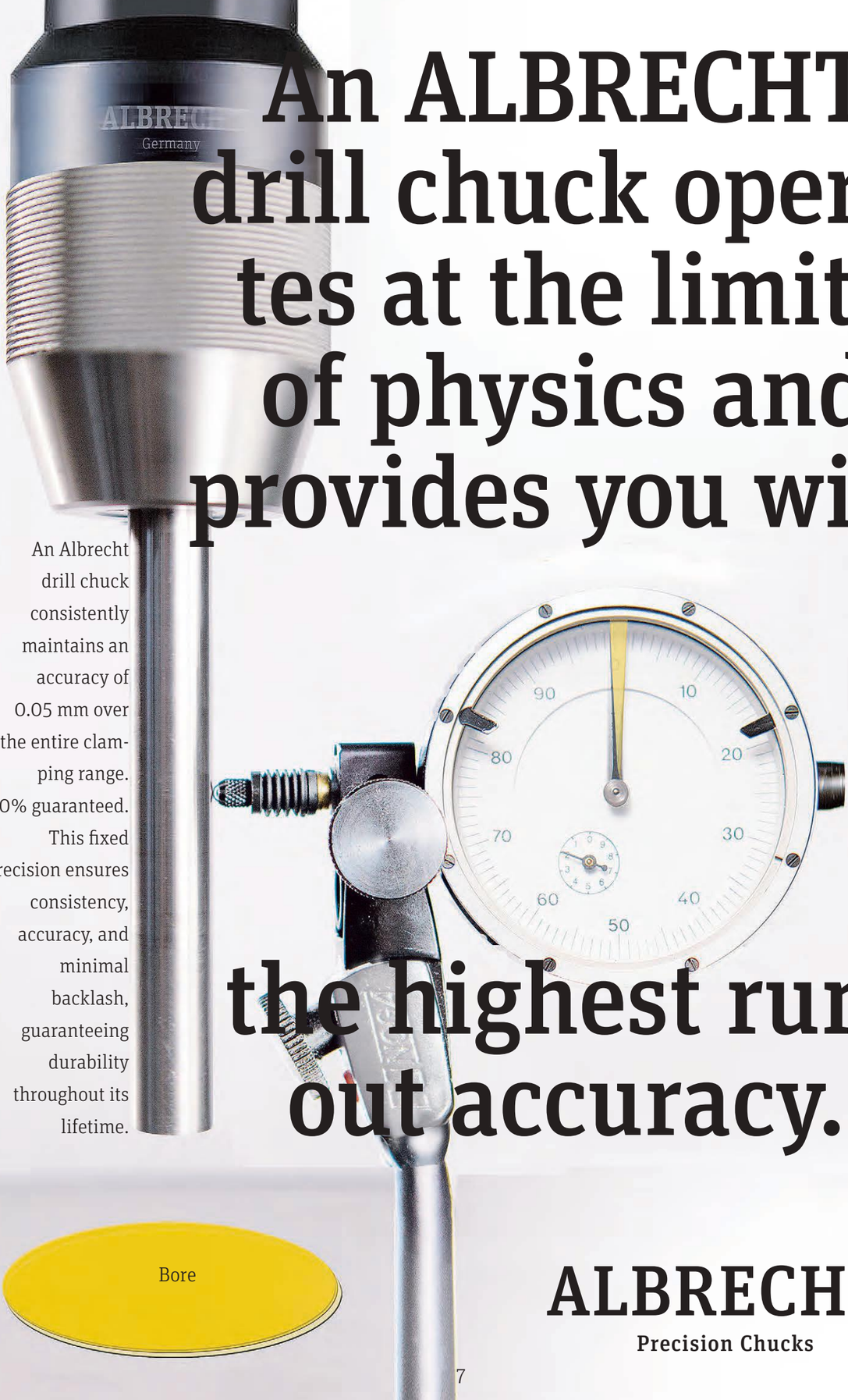
87% of all drill chucks do not run particularly accurate.

A dill chuck “leads” a drill. And the smaller the tolerances, the better the performance. And the longer the durability. By checking the pin with a dial gauge, it is clear: a drill with a 13 mm drills a 13.2 mm hole.



An ALBRECHT drill chuck operates at the limits of physics and provides you with the highest run-out accuracy.

An Albrecht drill chuck consistently maintains an accuracy of 0.05 mm over the entire clamping range. 100% guaranteed. This fixed precision ensures consistency, accuracy, and minimal backlash, guaranteeing durability throughout its lifetime.



ALBRECHT
Precision Chucks

Have you experienced this issue? The drill gets stuck in the workpiece because the resistance is greater than the tension of the drill chuck. The drill stops, while the machine and chuck continue to turn empty. You have to stop everything, retighten, and then you can continue.

90% of all drill chucks do not have a self-tighte-ning feature? They tend to release.

The Albrecht drill chuck adheres to its patent 588386. Due to the perfect tuning of the spindle, jaws, and all ground surfaces, the drill chuck is forced to close its jaws further and further just by the drill‘s momentum. This ensures that the chuck can follow the drill‘s momentum without any manual intervention.

Your ALBRECHT chuck is self tightening. Provides secure clamping.

Accurate centering and reaming require perfect run-out.

ALBRECHT

Crash, damage and stop.
The center drill is broken.
No, this was not the person operating the machine.
With a drill chuck that is not running true, it is not safe to drill a center.
Applying too much pressure, stop, 10.– € broken, work stop, get a new one.
The worst part is that a piece of the center drill is stuck in the workpiece,
which will lead to additional time and potentially significant costs.
Using low-quality drill chucks can result in unexpected costs.

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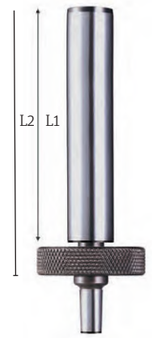
The most delicate.

0.2 - 1.5 mm

The Albrecht
Sensitive-Drill-Feed
and the according drill chuck
enable precise work on
sizes ranging from 0.2 to 1.5 mm.
Putting the drill in the correct
position and making a precise
power adjustment of the feed
can now be controlled manually,
ensuring even the smallest
drills have a longer lifespan.

Sensitive-Drill-Feed, shank precisely ground,
guide ring with ball bearing, spring return



Form	Option	Part.No.	L1	L2	D	Balanced	kg
MK1	DIN 228	200 MK01 000 0	82	96		20.000	0,10
ø 13	Cylindrical shank	200 Z130 000 0	66	80	13	20.000	0,10

Self-tightening drill chuck suitable for the above mentioned Sensitive-Drill-Feed.
Usable in your machine, with inner taper and marking for pre-setting.

0,2 - 1,5 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
B06 ISO 239		100 0015 B06 0	35	37	19	20.000	0,05
B06 ISO 239	1,8 mm through hole	100 0015 B06 A	35	37	19	20.000	0,05
J0 ISO 239		100 0015 J00 0	35	37	19	20.000	0,05
J0 ISO 239	1,8 mm through hole	100 0015 J00 A	35	37	19	20.000	0,05

Self-tightening drill chuck, for clockwise operation, with inner taper.

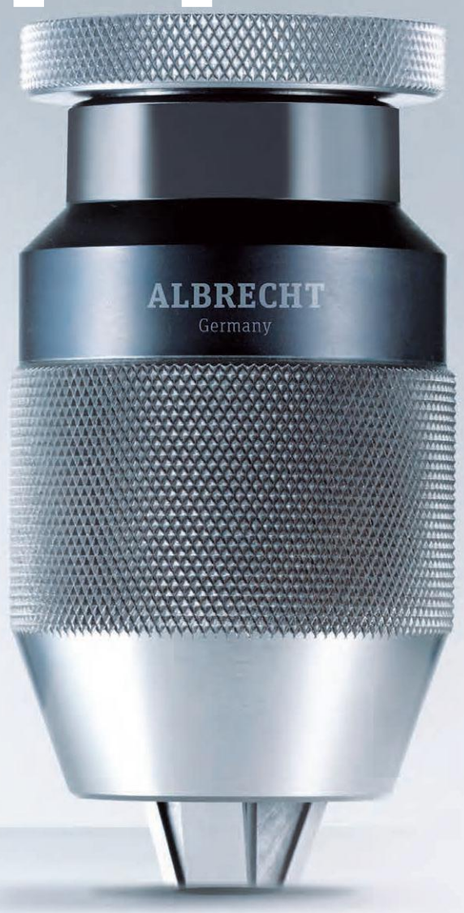
0,2 - 3,0 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
B06 ISO 239		100 0030 B06 0	44	48	24		0,10
B06 ISO 239	3,0 mm through hole	100 0030 B06 A	44	48	24		0,10
B10 ISO 239		100 0030 B10 0	44	48	24		0,10
B10 ISO 239	3,0 mm through hole	100 0030 B10 A	44	48	24		0,10
J0 ISO 239		100 0030 J00 0	44	48	24		0,10
J0 ISO 239	3,0 mm through hole	100 0030 J00 A	44	48	24		0,10
J1 ISO 239		100 0030 J01 0	44	48	24		0,10
J1 ISO 239	3,0 mm through hole	100 0030 J01 A	44	4	24		0,10

0,5 - 6,5 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
B10 ISO 239		100 0065 B10 0	62	68	34		0,30
B12 ISO 239		100 0065 B12 0	62	68	34		0,30
J1 ISO 239		100 0065 J01 0	62	68	34		0,30

Our Drill Chucks. Setting standard everybody attempts to keep up.



When someone invents a technical product
and then spends more than 90 years improving it, they will eventually reach the limits of what is possible. The highest quality standards. Self-tightening features based on practical experience, built with the best steel and with all essential parts hardened. This results in a Drill Chuck that all other manufacturers worldwide have to measure up to. Diamond-coated jaws for clamping as per your request, in 6 sizes across different ranges, suitable for clockwise operation, ISO 239, or UNF.

Self-tightening drill chuck for highest quality.
With inner taper or thread.

0,5 - 10 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
B12 ISO 239		100 0100 B12 0	80	92	43		0,60
B16 ISO 239		100 0100 B16 0	80	92	43		0,60
5/8“-16 UNF		100 0100 G04 0	80	92	43		0,60
J2 ISO 239		100 0100 J02 0	80	92	43		0,60
J33 ISO 239		100 0100 J33 0	80	92	43		0,60

1,0 - 13 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
B12 ISO 239		100 0130 B12 0	91	103	50		0,95
B16 ISO 239		100 0130 B16 0	91	103	50		0,95
B16 ISO 239	Diamond coated jaws	1D0 0130 B16 0	91	103	50		0,95
J2 ISO 239		100 0130 J02 0	91	103	50		0,95
5/8“-16 UNF		100 0130 G04 0	91	103	50		0,95
J33 ISO 239		100 0130 J33 0	91	103	50		0,95
J6 ISO 239		100 0130 J06 0	91	103	50		0,95
J6 ISO 239	Diamond coated jaws	1D0 0130 J06 0	91	103	50		0,95

3,0 - 16 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
B16 ISO 239		100 0160 B16 0	96	109	56		1,25
B16 ISO 239	Diamond coated jaws	1D0 0160 B16 0	96	109	56		1,25
B18 ISO 239		100 0160 B18 0	96	109	56		1,25
B18 ISO 239	Diamond coated jaws	1D0 0160 B18 0	96	109	56		1,25
J6 ISO 239		100 0160 J06 0	96	109	56		1,25

Chuck-Removal-Tool. With this tool you immediately get the drill chuck out of the shank. Prevents damage to chuck, spindle and taper.

Form	Part.No.	kg
B6 / J0	295 0600 001 0	0,10
B10 / J1 / B12	295 1012 002 0	0,30
B16 / J2 / J33 / B18 / J6	295 1618 003 0	0,60

The Best or Nothing.

Those who require absolute precision can use this Drill Chuck. The run-out of an Albrecht drill chuck with integrated Morse taper is unbeatable worldwide – at least, that is what we believe. Anyone who has experienced this ease will never want to use anything other. Additionally, the integrated design offers an extra 21 mm in height at the workstation. Details for clockwise operation: precision jaws ground on all surfaces. Quick and easy change. 100% concentricity along the entire clamping range according to standard DIN ISO 10888.

The self-tightening drill chucks with integrated morse taper are built for all who need absolute precision for their work. The best for your drilling machine or your tailstock.

0,5 - 6,5 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
MK2 DIN 228		100 0065 MK2 0	62	68	34	10.000	1,03

1 - 13 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
MK2 DIN 228		100 0130 MK2 0	85	97	50	7.000	1,00
MK2 DIN 228	Diamond coated jaws	1D0 0130 MK2 0	85	97	50	7.000	1,00
MK3 DIN 228		100 0130 MK3 0	85	97	50	7.000	1,20
MK3 DIN 228	Diamond coated jaws	1D0 0130 MK3 0	85	97	50	7.000	1,20
MK4 DIN 228		100 0130 MK4 0	87	99	50	7.000	1,50
MK4 DIN 228	Diamond coated jaws	1D0 0130 MK4 0	87	99	50	7.000	1,50

3 - 16 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
MK2 DIN 228		100 0160 MK2 0	89	103	56	4.500	1,30
MK2 DIN 228	Diamond coated jaws	1D0 0160 MK2 0	89	103	56	4.500	1,30
MK3 DIN 228		100 0160 MK3 0	89	103	56	4.500	1,50
MK3 DIN 228	Diamond coated jaws	1D0 0160 MK3 0	89	103	56	4.500	1,50
MK4 DIN 228		100 0160 MK4 0	90	104	56	4.500	1,80
MK4 DIN 228	Diamond coated jaws	1D0 0160 MK4 0	90	104	56	4.500	1,80

The grip for everything round. Albrecht Chuck for Cylindrical shank and Bridgeport.

The Albrecht cylindrical precision Drill Chuck is designed to provide flexible and optimal support for straight shanks in your turning machine. It can accommodate shank sizes from 1 up to 13 mm, ensuring perfection and support for your work. If you have a Bridgeportmachine, an Albrecht drill chuck with an integrated R8 shank offers unmatched ease and outstanding precision. Details: precision jaws ground on all surfaces.
Quick and easy change.
For clockwise operation.
100% concentricity from 1 to 16 mm according to standard DIN ISO 10888.

Self-tightening drill chuck with integrated cylindrical shank.
Ideal for your turning machines.

1 - 13 mm

Form		Part.No.	L1	L2	D	Balanced	kg
ø 16 × 60	Cylindrical shank	100 0130 Z16 0	79	91	50		1,00
ø 32 × 60	Cylindrical shank	100 0130 Z32 0	70	82	50		1,20
ø 5/8“ × 60	Cylindrical shank	100 0130 Z58 0	79	91	50		1,00

Self-tightening drill chuck with integrated R8 shank.
Ideal for your Bridgeport machine.

1 - 13 mm

Form	Part.No.	L1	L2	D	Balanced	kg
R8 Bridgeport	100 0130 R08 0	84	96	50	7.000	1,25

3 - 16 mm

Form	Part.No.	L1	L2	D	Balanced	kg
R8 Bridgeport	100 0160 R08 0	87	101	56	4.500	1,55

Precision for semi-automatic Machines. Ideal for a quick tool change.

Yes, quick tool changes exist!
The benefits are already noticeable in parts manufacturing, but they are essential for the whole series. In addition, the precision and self-tightening features are exemplary.
It also offers manual operation or the use of a key to intensify the clamping force. It is built for clockwise operation, providing you with a new and great feeling while using it.

The self-tightening drill chuck for semi-automatic machines. Quick tool change.
With integrated taper shank and key for additional clamping force.

1 - 13 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
A40 DIN 69871		100 4130 240 0	86	98	50		1,70

ISO 73 88-1 (DIN 69 871)

3 - 16 mm

Form	Option	Part.No.	L1	L2	D	Balanced	kg
A40 DIN 69871		100 4160 240 0	89	103	56		1,90

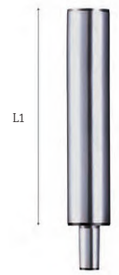
ISO 7388-1 (DIN 69871)

Precision-Link

As is well known a chain is only as strong as its weakest link. Therefore, we recommend to use our cylindrical shanks. They will reliably connect the capability of your Albrecht drill chuck with that of your machine.
Please choose your cylindrical shank according to the ø and type of your drill chuck from the table on the right.

Cylindrical shanks.

Form	Part.No.	L1	D	kg
B6	220 0635 B06 0	35	6	0,01
B6	220 0660 B06 0	60	6	0,02
B10	220 0835 B10 0	35	8	0,03
B10	220 1050 B10 0	50	10	0,04
B12	220 1050 B12 0	50	10	0,05
B16	220 1260 B16 0	60	12	0,09
B16	220 1650 B16 0	50	16	0,12
B16	220 2060 B16 0	60	20	0,20
J0	226 3821 J00 0	2 1/2“	3/8“	0,04
J0	226 1221 J00 0	2 1/2“	1/2“	0,07
J1	226 3821 J01 0	2 1/2“	3/8“	0,05
J1	226 1221 J01 0	2 1/2“	1/2“	0,07
J1	226 5821 J01 0	2 1/2“	5/8“	0,11
J2	226 1221 J02 0	2 1/2“	1/2“	0,09
J2	226 3403 J02 0	3“	3/4“	0,20
J33	226 1221 J33 0	2 1/2“	1/2“	0,10
J33	226 5821 J33 0	2 1/2“	5/8“	0,14
J33	226 0103 J33 0	3“	1“	0,35
J6	226 1221 J06 0	2 1/2“	1/2“	0,11
J6	226 3403 J06 0	3“	3/4“	0,22
J6	226 5821 J06 0	2 1/2“	5/8“	0,14



World record.

For example:
An Albrecht MT2.
Clamping range: 0.5 to 6.5 mm.
Speed: 10.000 rpm. Balanced.

In order to produce the taper for your drill chuck we take time, a lot of time. And the more precise we do our job the more precise your results will be later. Gauge tolerance: AT3, DIN 228 B – and even better.

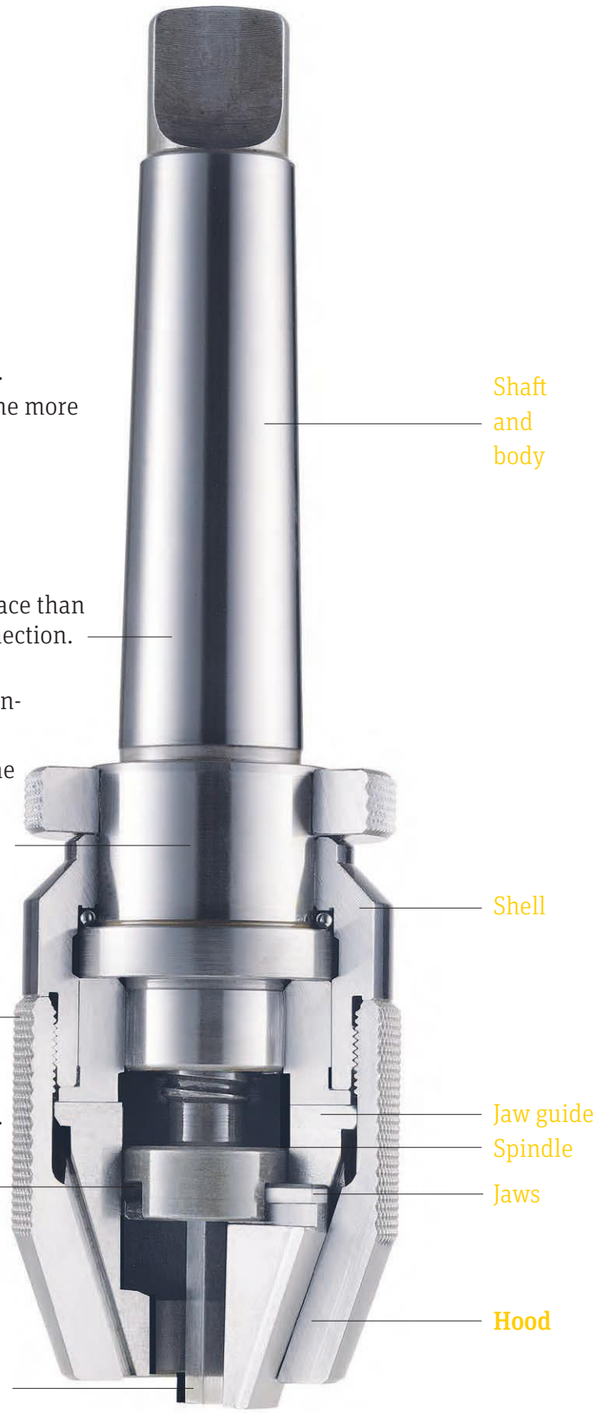
21 mm more space.
An Albrecht drill chuck needs less space than the usual two-piece chuck-taper connection.

Only an integrated morse taper guarantees highest rigidity and prevents the frequent loosening of a chuck from the taper. Thus, we do reduce a part that causes run-out problems.

The bigger the torque – the more the best chuck tightens. Patent no. 588386. So far unbeaten.

Max. clamping when operated clockwise. Keyless opening anti-clockwise. The optimum inclination of the spindle can only be mastered after years of experience.

We will never part. Specifically hardened and Hood ground to this purpose. And all functional surfaces are perfectly tuned to one another.



Hardness: 64 HRC. A must for our jaws. Forget all else.
For this is the only way to reliably clamp tool shafts. An Albrecht drill chuck has to pass 28 inspection stations. Then, we pass it on to you – so your work will make a difference.

Thank you