



# LLAMBRICH

Since 1957

**Industrial Drill Chucks**  
& Live Centers

---

From our headquarters in the province of Barcelona, Spain, **Llambrich Precisión, S.L.** has been designing and manufacturing drill chucks and machine tool accessories since 1957. The recognized quality and bottom line of our products has allowed us to export our products for more than 55 years to countries worldwide.

We are fully committed to the research and development for the continuous improvement for all of our products. Because of this we can offer an exclusive full range of drill chucks to meet our customer's needs and demands.

Llambrich's name stands for quality and innovative design worldwide, and are proud to hold both ISO 9001 & 13485 certifications.



## Manufacturing program

Our wide range of products includes drill chuck and accessories for industrial and medical use. This catalog is showing our industrial drill chucks series only.

Please ask us for our Surgical Drill Chucks catalog in case you are also interested in these other series.

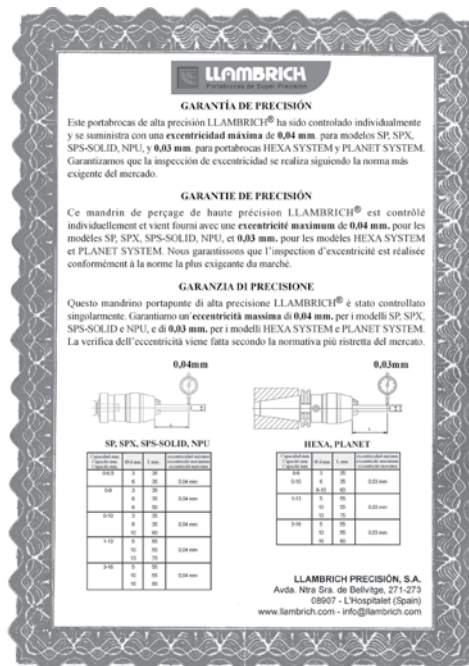
Llambrich drill chucks are designed for high precision drilling. All of our products are made on and inspected by state of the art equipment.

## Quality statement

Llambrich is proud to hold both ISO 9001 and ISO 13485 certifications.

Llambrich has been the pioneer and inventor of the precision keyless chuck that guarantees the lowest run-out of concentricity since 1983. All high performance drill chucks come with a certificate of inspection that guarantees a maximum run-out of 0,03mm, 0,04mm or 0,05mm (.0012", .0016" or .0019").

Inspections for concentricity are performed adhering to the most demanding standards in the metalworking industry.



Certificate of Inspection

# index

## HYBRID

**Combined precision keyless and keyed drill chuck**

- SPH

Page 6 & 7



## SP, SPX, SPS-SOLID

**Precision self-tightening Drill Chucks**

- SP
- SPX
- SPS-SOLID

Page 8 & 9



## NPU

**Precision self-tightening Drill Chucks with integrated Shank**

- DIN-69871, MAS-BT, DIN-2080
- CAT-ANSI, VDI, STRAIGHT SHANK
- HSK, NPU-B (drill chuck head)

Page 10 & 11



## HEXA

**Precision Drill Chucks with integrated Shank and Hexagonal Key lock**

- DIN-69871, MAS-BT, DIN-2080, HSK
- MORSE, STRAIGHT SHANK, VDI, CAT-ANSI
- R-8, HEXA-B (drill chuck head)

Page 12 & 13



## HEXA BLACK

**Standard Drill Chucks with integrated Shank and Hexagonal Key lock**

- DIN-69871, MAS-BT,
- DIN-2080, CAT-ANSI

Page 14 & 15



## MICRO DRILL

### Micro Drill Chucks and Adapters

- Micro Drill Chucks
- Sensitive Drill Adapters
- KITS

Page 16 & 17



## CKS, CKX, CPL, CPX & CPM

### Self-tightening Drill Chucks - medium duty - & Keyless Drill Chuck for portable drilling machines

- CKS Self-tightening
- CKX Self-tightening + with security lock
- CPL
- CPX
- CPM

Page 18 & 19



## CY, CBB, CL & SDS-Converter

### Key-type Drill Chucks - SDS Drill Chuck

- CY
- CBB
- CL
- SDS-Converter

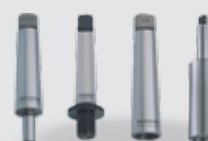
Page 20 & 21



## Arbors, Drill Sleeves and Ejectors

- Arbors
- Drill Sleeves
- Extension Sleeves
- Ejectors

Page 22 & 23



## Live Centers

- Precision Live Centers
- Live Centers with small casing diameter

Page 24 & 25



## Replacement Parts & Adapters

Page 26



## HYBRID

**This unique chuck, designed and patented by Llambrich combines the features and benefits of both a keyed and keyless drill chuck.**

- Another solution offered first by the world's leader of drill chucks from Barcelona, Spain, Llambrich.
- The Hybrid combines the high accuracy of a keyless chuck with the gripping force of a keyed chuck.
- Self-tightening feature automatically increases gripping force in proportion to the increase of torque to prevent tool slippage.

### Features & Benefits

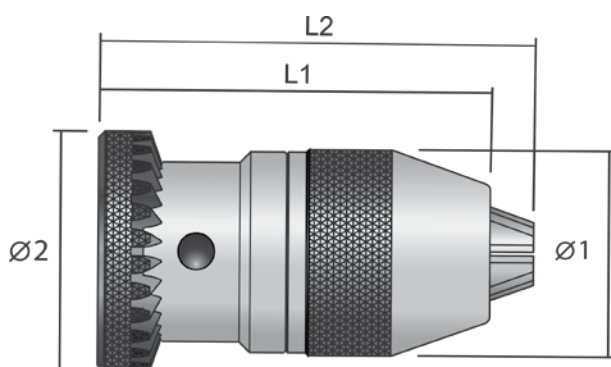
The Hybrid is furnished with a key to allow additional gripping torque.

The tool better resists loosening on high speed machines that have instant spindle stop. .04 mm (.0016") repeatability on taper mounted chucks. Llambrich, the leader in precision.

Special designs, sizes, and mounts for all types of applications are available upon request.







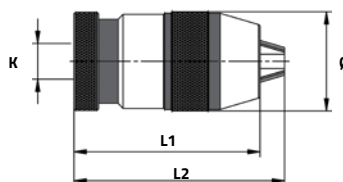
| MODEL      | CAPACITY |               | MOUNT | KEY    | SIZES mm. |    |     |       | WEIGHT |
|------------|----------|---------------|-------|--------|-----------|----|-----|-------|--------|
| no.        | mm.      | inches        | K     | model  | Ø1        | Ø2 | L1  | L2    | gr.    |
| SPH-06 B12 | 0,3 - 8  | 1/64" - 5/16" | B12   | K2/S17 | 36,5      | 44 | 72  | 77    | 460    |
| SPH-06 J1  | 0,3 - 8  | 1/64" - 5/16" | J1    | K2/S17 | 36,5      | 44 | 72  | 77    | 460    |
| SPH-10 B12 | 0,8 - 10 | 1/32" - 3/8"  | B12   | K2/S17 | 40        | 48 | 79  | 85,5  | 620    |
| SPH-10 B16 | 0,8 - 10 | 1/32" - 3/8"  | B16   | K2/S17 | 40        | 48 | 79  | 85,5  | 620    |
| SPH-10 J2  | 0,8 - 10 | 1/32" - 3/8"  | J2    | K2/S17 | 40        | 48 | 79  | 85,5  | 620    |
| SPH-10 J33 | 0,8 - 10 | 1/32" - 3/8"  | J33   | K2/S17 | 40        | 48 | 79  | 85,5  | 620    |
| SPH-13 B16 | 0,8 - 13 | 1/32" - 1/2"  | B16   | K3/S10 | 47        | 51 | 93  | 103   | 1060   |
| SPH-13 J2  | 0,8 - 13 | 1/32" - 1/2"  | J2    | K3/S10 | 47        | 51 | 93  | 103   | 1060   |
| SPH-13 J33 | 0,8 - 13 | 1/32" - 1/2"  | J33   | K3/S10 | 47        | 51 | 93  | 103   | 1060   |
| SPH-13 J6  | 0,8 - 13 | 1/32" - 1/2"  | J6    | K3/S10 | 47        | 51 | 93  | 103   | 1060   |
| SPH-16 B16 | 3 - 16   | 1/8" - 5/8"   | B16   | K3/S10 | 51,5      | 53 | 95  | 105,5 | 1210   |
| SPH-16 B18 | 3 - 16   | 1/8" - 5/8"   | B18   | K3/S10 | 51,5      | 53 | 95  | 105,5 | 1210   |
| SPH-16 J16 | 3 - 16   | 1/8" - 5/8"   | J6    | K3/S10 | 51,5      | 53 | 95  | 105,5 | 1210   |
| SPH-20 B18 | 5 - 20   | 13/64" - 3/4" | B18   | K4/S13 | 64        | 74 | 121 | 130   | 2300   |
| SPH-20 J3  | 5 - 20   | 13/64" - 3/4" | J3    | K4/S13 | 64        | 74 | 121 | 130   | 2300   |

## Applications

Specifically designed for high precision drilling.

The Hybrid series is well suited for use on drill presses with high accuracy, jigbore machines, horizontal or vertical milling machines, and production drilling machines where the application requires higher feed rates.

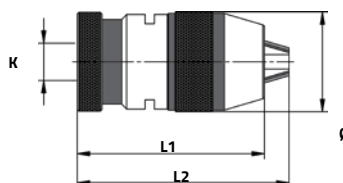




## SP

### Super Precision Keyless Drill Chuck

- Maximum total integrated run-out of 0,04 mm.
- Self-tightening feature automatically increases gripping force in proportion to increased torque to prevent tool shank slippage. For right-hand rotation applications only.
- Permits use on high accuracy drill presses, jig borers, milling machines and production drilling equipment.
- All components exposed to wear are completely hardened to maintain accuracy and extend chuck life.
- Also available with through hole, for EDM machines, on demand.



## SPX

### Super Precision Keyless Drill Chuck, with supplementary gripping torque

- SPX drill chucks offer the same features as SP, with the advantage of being furnished with milled wrench flats and spanner wrench to allow application of supplementary gripping torque. Light tightening increases gripping torque up to 3 times higher than hand tightening.
- For use on CNC machines in drilling, boring, counter-boring and milling operations requiring heavy feed.
- Resistance to tool loosening on high-speed machines with instant spindle stop.



| MODEL<br>no. | CAPACITY  |                | MOUNT<br>K | SIZES mm. |    |      | WEIGHT<br>gr. |
|--------------|-----------|----------------|------------|-----------|----|------|---------------|
|              | mm.       | inches         |            | Ø         | L1 | L2   |               |
| SP-1.5 B-6   | 0,2 - 1,5 | 0,008" - 1/16" | B-6        | 19,4      | 35 | 37,3 | 80            |
| SP-1.5 J-0   | 0,2 - 1,5 | 0,008" - 1/16" | J-0        | 19,4      | 35 | 37,3 | 80            |
| SP-03 B-6    | 0,3 - 3   | 1/64" - 1/8"   | B-6        | 24,5      | 44 | 47,5 | 200           |
| SP-03 B-10   | 0,3 - 3   | 1/64" - 1/8"   | B-10       | 24,5      | 44 | 47,5 | 200           |
| SP-03 J-0    | 0,3 - 3   | 1/64" - 1/8"   | J-0        | 24,5      | 44 | 47,5 | 200           |
| SP-03 J-1    | 0,3 - 3   | 1/64" - 1/8"   | J-1        | 24,5      | 44 | 47,5 | 200           |
| SP-03 R-5/16 | 0,3 - 3   | 1/64" - 1/8"   | 5/16" x 24 | 24,5      | 44 | 47,5 | 200           |
| SP-06 B-10   | 0,3 - 6,5 | 1/64" - 1/4"   | B-10       | 33        | 62 | 70   | 360           |
| SP-06 B-12   | 0,3 - 6,5 | 1/64" - 1/4"   | B-12       | 33        | 62 | 70   | 360           |
| SP-06 J-1    | 0,3 - 6,5 | 1/64" - 1/4"   | J-1        | 33        | 62 | 70   | 360           |
| SP-08 B-12   | 0,3 - 8   | 1/64" - 5/16"  | B-12       | 38        | 67 | 74   | 460           |
| SP-08 J-1    | 0,3 - 8   | 1/64" - 5/16"  | J-1        | 38        | 67 | 74   | 460           |
| SP-08 J2S    | 0,3 - 8   | 1/64" - 5/16"  | J2S        | 38        | 67 | 74   | 460           |
| SP-08 R-3/8  | 0,3 - 8   | 1/64" - 5/16"  | 3/8" x 24  | 38        | 67 | 74   | 460           |
| SP-10 B-12   | 0,5 - 10  | 1/32" - 3/8"   | B-12       | 43        | 81 | 89   | 720           |
| SP-10 B-16   | 0,5 - 10  | 1/32" - 3/8"   | B-16       | 43        | 81 | 89   | 720           |
| SP-10 J-2    | 0,5 - 10  | 1/32" - 3/8"   | J-2        | 43        | 81 | 89   | 720           |
| SP-10 J-33   | 0,5 - 10  | 1/32" - 3/8"   | J-33       | 43        | 81 | 89   | 720           |
| SP-10 R-3/8  | 0,5 - 10  | 1/32" - 3/8"   | 3/8" x 24  | 43        | 81 | 89   | 720           |
| SP-10 R-1/2  | 0,5 - 10  | 1/32" - 3/8"   | 1/2" x 20  | 43        | 81 | 89   | 720           |
| SP-13 B-16   | 1 - 13    | 1/32" - 1/2"   | B-16       | 49        | 91 | 103  | 1.000         |
| SP-13 J-2    | 1 - 13    | 1/32" - 1/2"   | J-2        | 49        | 91 | 103  | 1.000         |
| SP-13 J-33   | 1 - 13    | 1/32" - 1/2"   | J-33       | 49        | 91 | 103  | 1.000         |
| SP-13 J-6    | 1 - 13    | 1/32" - 1/2"   | J-6        | 49        | 91 | 103  | 1.000         |
| SP-13 R-1/2  | 1 - 13    | 1/32" - 1/2"   | ½" x 20    | 49        | 91 | 103  | 1.000         |
| SP-16 B-16   | 3 - 16    | 1/8" - 5/8"    | B-16       | 55        | 95 | 107  | 1.320         |
| SP-16 B-18   | 3 - 16    | 1/8" - 5/8"    | B-18       | 55        | 95 | 107  | 1.320         |
| SP-16 J-33   | 3 - 16    | 1/8" - 5/8"    | J-33       | 55        | 95 | 107  | 1.320         |
| SP-16 J-6    | 3 - 16    | 1/8" - 5/8"    | J-6        | 55        | 95 | 107  | 1.320         |

| MODEL<br>no. | CAPACITY  |               | MOUNT<br>K | SIZES mm. |    |     | WEIGHT<br>gr. |
|--------------|-----------|---------------|------------|-----------|----|-----|---------------|
|              | mm.       | inches        |            | Ø         | L1 | L2  |               |
| SPX-06 B-10  | 0,3 - 6,5 | 1/64" - 1/4"  | B-10       | 33        | 62 | 70  | 580           |
| SPX-06 B-12  | 0,3 - 6,5 | 1/64" - 1/4"  | B-12       | 33        | 62 | 70  | 580           |
| SPX-06 J-1   | 0,3 - 6,5 | 1/64" - 1/4"  | J-1        | 33        | 62 | 70  | 580           |
| SPX-08 B-12  | 0,3 - 8   | 1/64" - 5/16" | B-12       | 38        | 67 | 74  | 680           |
| SPX-08 J-1   | 0,3 - 8   | 1/64" - 5/16" | J-1        | 38        | 67 | 74  | 680           |
| SPX-08 J-25  | 0,3 - 8   | 1/64" - 5/16" | J-25       | 38        | 67 | 74  | 680           |
| SPX-10 B-12  | 0,5 - 10  | 1/32" - 3/8"  | B-12       | 43        | 81 | 89  | 940           |
| SPX-10 B-16  | 0,5 - 10  | 1/32" - 3/8"  | B-16       | 43        | 81 | 89  | 940           |
| SPX-10 J-2   | 0,5 - 10  | 1/32" - 3/8"  | J-2        | 43        | 81 | 89  | 940           |
| SPX-10 J-33  | 0,5 - 10  | 1/32" - 3/8"  | J-33       | 43        | 81 | 89  | 940           |
| SPX-13 B-16  | 1 - 13    | 1/32" - 1/2"  | B-16       | 49        | 91 | 103 | 1.220         |
| SPX-13 J-2   | 1 - 13    | 1/32" - 1/2"  | J-2        | 49        | 91 | 103 | 1.220         |
| SPX-13 J-33  | 1 - 13    | 1/32" - 1/2"  | J-33       | 49        | 91 | 103 | 1.220         |
| SPX-13 J-6   | 1 - 13    | 1/32" - 1/2"  | J-6        | 49        | 91 | 103 | 1.220         |
| SPX-16 B-16  | 3 - 16    | 1/8" - 5/8"   | B-16       | 55        | 95 | 107 | 1.540         |
| SPX-16 B-18  | 3 - 16    | 1/8" - 5/8"   | B-18       | 55        | 95 | 107 | 1.540         |
| SPX-16 J-33  | 3 - 16    | 1/8" - 5/8"   | J-33       | 55        | 95 | 107 | 1.540         |
| SPX-16 J-6   | 3 - 16    | 1/8" - 5/8"   | J-6        | 55        | 95 | 107 | 1.540         |



# SPS-SOLID

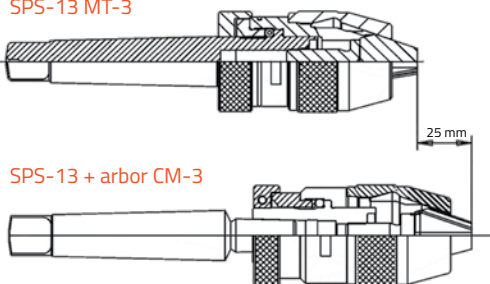


## Super Precision Keyless Drill Chuck with Integrated Shank (Morse taper, straight shank or R-8)

- Arbor integrated in internal socket of drill chuck; compact design.
- No possibility of taper slipping from drill chuck.
- Greater rigidity and precision.
- Maximum total integrated run-out of 0,04 mm.
- Self-tightening feature automatically increases gripping force in proportion to increased torque to prevent tool shank slippage. For right-hand rotation applications only.
- Furnished with milled wrench flats and spanner wrench to allow application of supplementary gripping torque. Light tightening increases gripping torque up to 3 times higher than hand tightening.
- Resistance to tool loosening on high-speed machines with instant spindle stop.

SPS-13 MT-3

SPS-13 + arbor CM-3



Compact Design

Greater Rigidity

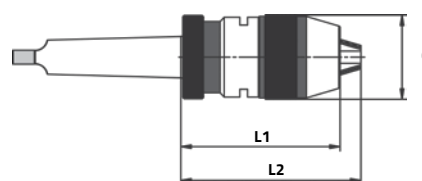
High Precision

| MODEL       | CAPACITY |               | MOUNT         | SIZES mm. |    |    |    | WEIGHT |
|-------------|----------|---------------|---------------|-----------|----|----|----|--------|
| no.         | mm.      | inches        | K             | Ø         | L1 | L2 | L3 | gr.    |
| SPS-08 MT-2 | 0,3 - 8  | 1/64" - 5/16" | morse taper 2 | 38        | 65 | 72 | -  | 800    |
| SPS-10 MT-2 | 0,5 - 10 | 1/32" - 3/8"  | morse taper 2 | 43        | 73 | 82 | -  | 1.020  |
| SPS-13 MT-2 | 1 - 13   | 1/32" - 1/2"  | morse taper 2 | 48        | 80 | 92 | -  | 1.200  |
| SPS-13 MT-3 | 1 - 13   | 1/32" - 1/2"  | morse taper 3 | 48        | 80 | 92 | -  | 1.320  |
| SPS-13 MT-4 | 1 - 13   | 1/32" - 1/2"  | morse taper 4 | 48        | 80 | 92 | -  | 1.580  |
| SPS-16 MT-2 | 3 - 16   | 1/8" - 5/8"   | morse taper 2 | 54        | 85 | 96 | -  | 1.600  |
| SPS-16 MT-3 | 3 - 16   | 1/8" - 5/8"   | morse taper 3 | 54        | 85 | 96 | -  | 1.720  |
| SPS-16 MT-4 | 3 - 16   | 1/8" - 5/8"   | morse taper 4 | 54        | 85 | 96 | -  | 1.980  |

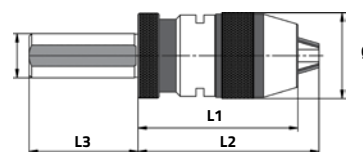
|               |        |              |          |    |    |    |    |       |
|---------------|--------|--------------|----------|----|----|----|----|-------|
| SPS-13 CIL-20 | 1 - 13 | 1/32" - 1/2" | Ø 20 mm. | 48 | 80 | 92 | 60 | 1.320 |
| SPS-13 CIL-25 | 1 - 13 | 1/32" - 1/2" | Ø 25 mm. | 48 | 80 | 92 | 61 | 1.320 |
| SPS-13 CIL-32 | 1 - 13 | 1/32" - 1/2" | Ø 32 mm. | 48 | 80 | 92 | 63 | 1.440 |
| SPS-16 CIL-20 | 3 - 16 | 1/8" - 5/8"  | Ø 20 mm. | 54 | 88 | 98 | 60 | 1.600 |
| SPS-16 CIL-25 | 3 - 16 | 1/8" - 5/8"  | Ø 25 mm. | 54 | 88 | 98 | 61 | 1.680 |
| SPS-16 CIL-32 | 3 - 16 | 1/8" - 5/8"  | Ø 32 mm. | 54 | 88 | 98 | 63 | 1.800 |

|            |        |              |     |    |    |    |   |       |
|------------|--------|--------------|-----|----|----|----|---|-------|
| SPS-13 R-8 | 1 - 13 | 1/32" - 1/2" | R-8 | 48 | 82 | 90 | - | 1.580 |
| SPS-16 R-8 | 3 - 16 | 1/8" - 5/8"  | R-8 | 54 | 87 | 98 | - | 1.800 |

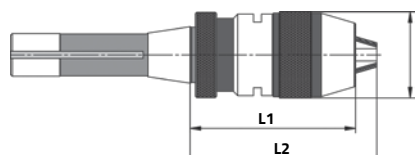
Morse Taper



Straight Shank



R-8



# NPU

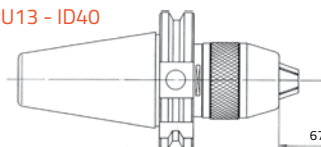
## Super Precision Short Keyless Drill Chuck with Integrated Shank

- For use on CNC machining centres.
- Single taper connection between drill chuck and shank eliminates intermediate arbors to ensure high tool rigidity and drilling accuracy.
- Furnished with milled wrench flats and spanner wrench to allow application of supplementary gripping torque.
- Resistance to tool loosening on high-speed machines with instant spindle stop.
- Maximum total integrated run-out of 0,04 mm.

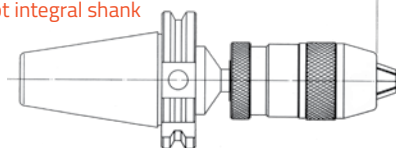


## Advantages

NPU13 - ID40



Not integral shank



SPX 13

### 1. Compact construction

Drill chuck model SPX-13 with DIN-69871 ISO 40 shank is 67 mm longer than drill chuck NPU-13 with the same shank. Greater rigidity and precision.

### 2. Higher precision

The eccentricity is controlled by the single taper connection to the machine and no intermediate arbor is needed as with the standard drill chuck.

### 3. Retension screw

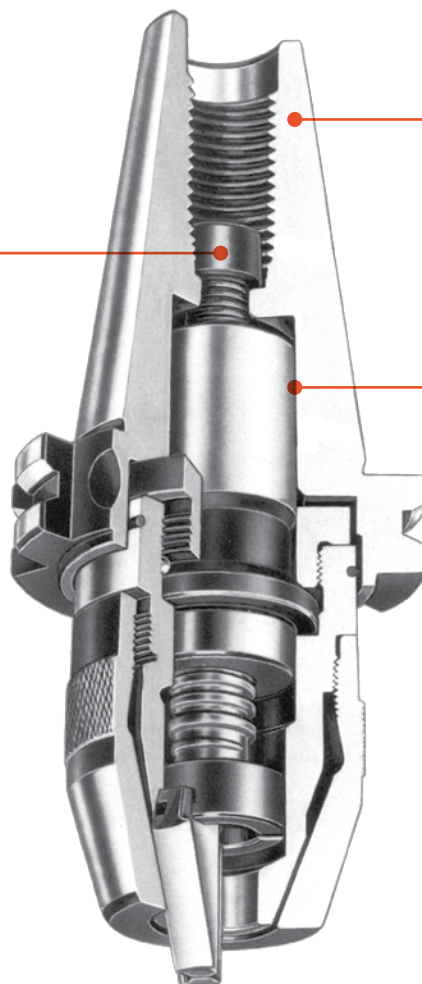
Guarantees a perfect connection between the internal arbor taper and the external arbor taper.

### 4. Maximum connection rigidity

The connection with a short Morse taper is the best due to its rigidity and precision.

### 5. Advantages of supplementary tightening by wrench

Increases gripping torque up to three times higher than hand tightening.

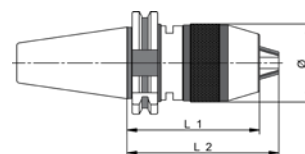


Capacities 0-3 mm and 0-6,5 mm available on request for all NPU models

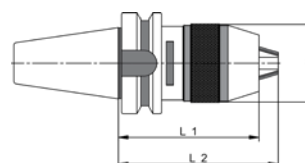
| MODEL                       | CAPACITY  |               | MOUNT   | SIZES mm. |     |     |    | THREAD  | WEIGHT |
|-----------------------------|-----------|---------------|---------|-----------|-----|-----|----|---------|--------|
| no.                         | mm.       | inches        | ISO     | Ø         | L1  | L2  | L3 | p.stud  | kg.    |
| NPU-08 ID 30                | 0,3 - 8   | 1/64" - 5/16" | 30      | 38        | 77  | 83  | -  | M12     | 1,10   |
| NPU-08 ID 40                | 0,3 - 8   | 1/64" - 5/16" | 40      | 38        | 70  | 76  | -  | M16     | 1,50   |
| NPU-08 ID 40/110            | 0,3 - 8   | 1/64" - 5/16" | 40/110  | 38        | 110 | 116 | -  | M16     | 1,95   |
| NPU-10 ID 30                | 0,5 - 10  | 1/32" - 3/8"  | 30      | 43        | 86  | 94  | -  | M12     | 1,30   |
| NPU-10 ID 40                | 0,5 - 10  | 1/32" - 3/8"  | 40      | 43        | 74  | 82  | -  | M16     | 1,60   |
| NPU-10 ID 40/110            | 0,5 - 10  | 1/32" - 3/8"  | 40/110  | 43        | 114 | 122 | -  | M16     | 1,95   |
| NPU-13 ID 40                | 1 - 13    | 1/32" - 1/2"  | 40      | 48        | 80  | 91  | -  | M16     | 1,70   |
| NPU-13 ID 40/125            | 1 - 13    | 1/32" - 1/2"  | 40/125  | 48        | 130 | 141 | -  | M16     | 2,45   |
| NPU-13 ID 45                | 1 - 13    | 1/32" - 1/2"  | 45      | 48        | 78  | 89  | -  | M20     | 2,50   |
| NPU-13 ID 50                | 1 - 13    | 1/32" - 1/2"  | 50      | 48        | 78  | 89  | -  | M24     | 3,65   |
| NPU-16 ID 40                | 3 - 16    | 1/8" - 5/8"   | 40      | 55        | 97  | 108 | -  | M16     | 2,15   |
| NPU-16 ID 50                | 3 - 16    | 1/8" - 5/8"   | 50      | 55        | 76  | 89  | -  | M24     | 3,75   |
| NPU-16 ID 50/125            | 3 - 16    | 1/8" - 5/8"   | 50/125  | 55        | 130 | 140 | -  | M24     | 4,90   |
| NPU-08 BT 30                | 0,3 - 8   | 1/64" - 5/16" | 30      | 38        | 73  | 79  | -  | M12     | 1,10   |
| NPU-08 BT 40                | 0,3 - 8   | 1/64" - 5/16" | 40      | 38        | 78  | 84  | -  | M16     | 1,50   |
| NPU-08 BT 40/110            | 0,3 - 8   | 1/64" - 5/16" | 40/110  | 38        | 78  | 84  | -  | M16     | 1,90   |
| NPU-10 BT 30                | 0,5 - 10  | 1/32" - 3/8"  | 30      | 43        | 89  | 97  | -  | M12     | 1,30   |
| NPU-10 BT 40                | 0,5 - 10  | 1/32" - 3/8"  | 40      | 43        | 79  | 87  | -  | M16     | 1,70   |
| NPU-10 BT 40/110            | 0,5 - 10  | 1/32" - 3/8"  | 40/110  | 43        | 109 | 117 | -  | M16     | 2,10   |
| NPU-13 BT 40                | 1 - 13    | 1/32" - 1/2"  | 40      | 48        | 86  | 97  | -  | M16     | 1,90   |
| NPU-13 BT 40/130            | 1 - 13    | 1/32" - 1/2"  | 40/130  | 48        | 136 | 147 | -  | M16     | 2,70   |
| NPU-13 BT 50                | 1 - 13    | 1/32" - 1/2"  | 50      | 48        | 97  | 108 | -  | M24     | 4,60   |
| NPU-16 BT 40                | 3 - 16    | 1/8" - 5/8"   | 40      | 55        | 105 | 116 | -  | M16     | 2,30   |
| NPU-16 BT 50                | 3 - 16    | 1/8" - 5/8"   | 50      | 55        | 95  | 106 | -  | M24     | 4,70   |
| NPU-16 BT 50/145            | 3 - 16    | 1/8" - 5/8"   | 50/145  | 55        | 145 | 156 | -  | M24     | 5,80   |
| NPU-08 DIN 30               | 0,3 - 8   | 1/64" - 5/16" | 30      | 38        | 70  | 76  | -  | M12     | 1,00   |
| NPU-08 DIN 40               | 0,3 - 8   | 1/64" - 5/16" | 40      | 38        | 63  | 69  | -  | M16     | 1,40   |
| NPU-10 DIN 30               | 0,5 - 10  | 1/32" - 3/8"  | 30      | 43        | 77  | 85  | -  | M12     | 1,20   |
| NPU-10 DIN 40               | 0,5 - 10  | 1/32" - 3/8"  | 40      | 43        | 72  | 80  | -  | M16     | 1,60   |
| NPU-13 DIN 40               | 1 - 13    | 1/32" - 1/2"  | 40      | 48        | 78  | 89  | -  | M16     | 1,70   |
| NPU-13 DIN 50               | 1 - 13    | 1/32" - 1/2"  | 50      | 48        | 71  | 101 | -  | M24     | 3,60   |
| NPU-16 DIN 40               | 3 - 16    | 1/8" - 5/8"   | 40      | 55        | 90  | 101 | -  | M16     | 2,10   |
| NPU-16 DIN 50               | 3 - 16    | 1/8" - 5/8"   | 50      | 55        | 72  | 83  | -  | M24     | 3,75   |
| NPU-08 CA 30-A              | 0,3 - 8   | 1/64" - 5/16" | 30      | 38        | 101 | 107 | -  | 1/2"-13 | 0,85   |
| NPU-08 CA 40-A              | 0,3 - 8   | 1/64" - 5/16" | 40      | 38        | 82  | 88  | -  | 5/8"-11 | 1,30   |
| NPU-13 CA 40-A              | 1 - 13    | 1/32" - 1/2"  | 40      | 48        | 115 | 126 | -  | 5/8"-11 | 1,85   |
| NPU-13 CA 45-A              | 1 - 13    | 1/32" - 1/2"  | 45      | 48        | 96  | 107 | -  | 3/4"-10 | 2,25   |
| NPU-13 CA 50-A              | 1 - 13    | 1/32" - 1/2"  | 50      | 48        | 96  | 107 | -  | 1"-8    | 2,50   |
| NPU-16 CA 40-A              | 3 - 16    | 1/8" - 5/8"   | 40      | 55        | 120 | 131 | -  | 5/8"-11 | 3,65   |
| NPU-16 CA 50-A              | 3 - 16    | 1/8" - 5/8"   | 50      | 55        | 94  | 105 | -  | 1"-8    | 3,85   |
| NPU-08 VDI 30               | 0,3 - 8   | 1/64" - 5/16" | 30      | 38        | 72  | 79  | -  | -       | 1,85   |
| NPU-13 VDI 30               | 1 - 13    | 1/32" - 1/2"  | 30      | 48        | 94  | 105 | -  | -       | 2,10   |
| NPU-13 VDI 40               | 1 - 13    | 1/32" - 1/2"  | 40      | 48        | 85  | 92  | -  | -       | 2,40   |
| NPU-16 VDI 40               | 3 - 16    | 1/8" - 5/8"   | 40      | 55        | 85  | 96  | -  | -       | 2,60   |
| NPU-16 VDI 50               | 3 - 16    | 1/8" - 5/8"   | 50      | 55        | 87  | 98  | -  | -       | 2,65   |
| NPU-16 VDI 60               | 3 - 16    | 1/8" - 5/8"   | 60      | 55        | 87  | 98  | -  | -       | 5,40   |
| NPU-08 CIL 25               | 0,3 - 8   | 1/64" - 5/16" | 25      | 38        | 66  | 73  | 56 | -       | 0,85   |
| NPU-08 CIL 30               | 0,3 - 8   | 1/64" - 5/16" | 30      | 38        | 66  | 73  | 56 | -       | 1,30   |
| NPU-08 CIL 32               | 0,3 - 8   | 1/64" - 5/16" | 32      | 38        | 66  | 73  | 56 | -       | 1,85   |
| NPU-13 CIL 32               | 1 - 13    | 1/32" - 1/2"  | 32      | 48        | 80  | 92  | 65 | -       | 2,25   |
| NPU-13 CIL 40               | 1 - 13    | 1/32" - 1/2"  | 40      | 48        | 80  | 92  | 65 | -       | 2,50   |
| NPU-16 CIL 40               | 3 - 16    | 1/8" - 5/8"   | 40      | 55        | 84  | 96  | 70 | -       | 3,65   |
| NPU-16 CIL 50               | 3 - 16    | 1/8" - 5/8"   | 50      | 55        | 84  | 96  | 70 | -       | 3,85   |
| NPU-13 HSK 50               | 1 - 13    | 1/32" - 1/2"  | 50      | 48        | 120 | 131 | -  | -       | 2,10   |
| NPU-13 HSK 63               | 1 - 13    | 1/32" - 1/2"  | 63      | 48        | 120 | 131 | -  | -       | 2,30   |
| NPU-16 HSK 63               | 3 - 16    | 1/8" - 5/8"   | 63      | 55        | 131 | 142 | -  | -       | 2,65   |
| NPU-16 HSK 80               | 3 - 16    | 1/8" - 5/8"   | 80      | 55        | 134 | 145 | -  | -       | 3,40   |
| NPU-16 HSK 100              | 3 - 16    | 1/8" - 5/8"   | 100     | 55        | 134 | 145 | -  | -       | 4,40   |
| NPU-03 B                    | 0,3 - 3   | 1/64" - 1/8"  | B-12    | 24        | 38  | 41  | -  | -       | 0,12   |
| NPU-06 B                    | 0,3 - 6,5 | 1/64" - 1/4"  | B-18    | 33        | 52  | 59  | -  | -       | 0,28   |
| NPU-08 B                    | 0,3 - 8   | 1/64" - 5/16" | B-18    | 38        | 57  | 64  | -  | -       | 0,38   |
| NPU-10 B/30 <sup>(1)</sup>  | 0,5 - 10  | 1/32" - 3/8"  | B-18    | 43        | 64  | 74  | -  | -       | 0,54   |
| NPU-010 B/40 <sup>(2)</sup> | 0,5 - 10  | 1/32" - 3/8"  | B-18    | 43        | 64  | 74  | -  | -       | 0,54   |
| NPU-13 B                    | 1 - 13    | 1/32" - 1/2"  | MORSE-3 | 48        | 72  | 84  | -  | -       | 0,76   |
| NPU-16 B/40 <sup>(2)</sup>  | 3 - 16    | 1/8" - 5/8"   | MORSE-3 | 54        | 76  | 88  | -  | -       | 1,06   |
| NPU-16 B/50 <sup>(3)</sup>  | 3 - 16    | 1/8" - 5/8"   | MORSE-3 | 54        | 76  | 88  | -  | -       | 1,06   |

<sup>(1)</sup> for tapers 30<sup>(2)</sup> for tapers 40<sup>(3)</sup> for tapers 50

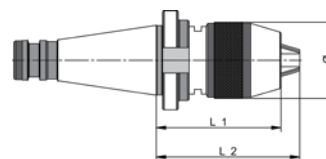
DIN-69871-A



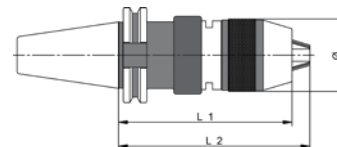
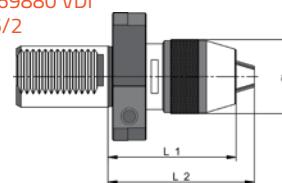
MAS 403-BT [JIS-6339A]



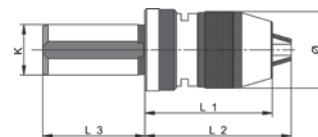
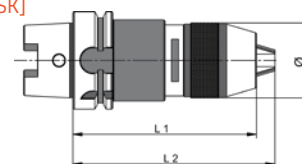
DIN-2080



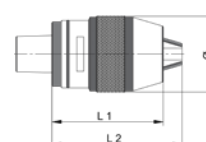
CAT-ANSI

DIN-69880 VDI  
3425/2

STRAIGHT SHANK

DIN-69893-A  
[HSK]

NPU-B



# HEXA

## Precision drill chuck with integrated shank and hexagonal key lock

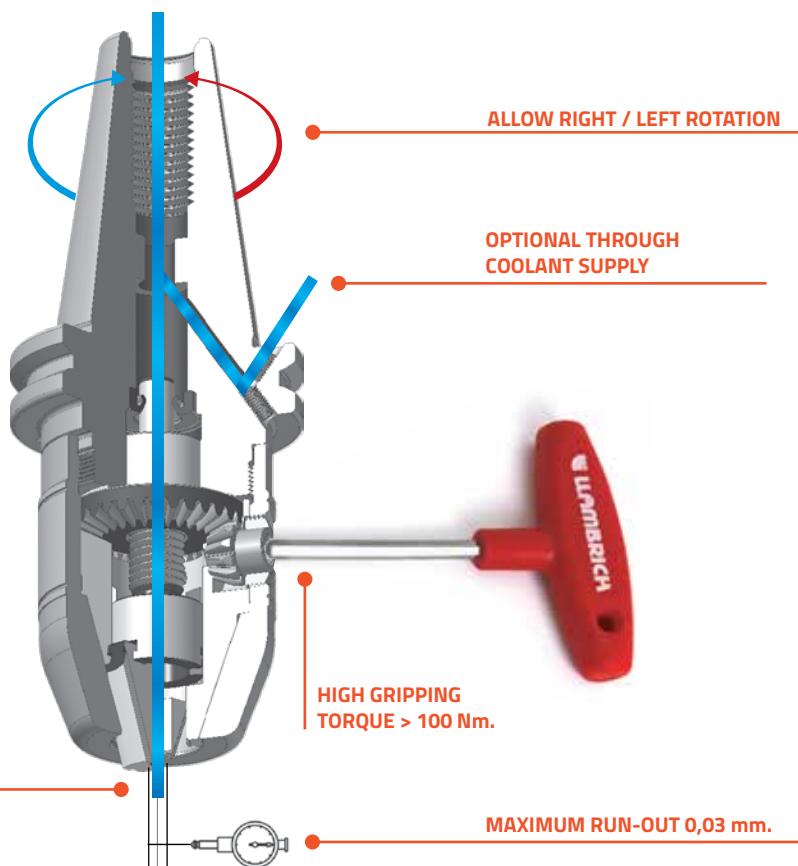
- For use on high-speed CNC machines, optional through coolant for drilling, milling, reaming and tapping.
- Hexagonal key lock system.
- Permits clockwise and counterclockwise turning.
- High gripping torque, exceeding 100 Nm.
- Maximum total integrated run-out of 0.03 mm.
- Maximum coolant pressure: 50 bar.
- Maximum revolutions per minute without balancing: 8000.
- Optional balancing service up to 25.000 rpm G6,3.



## Advantages

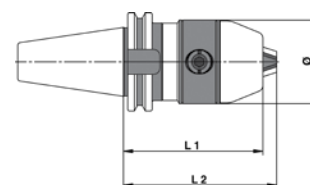


FOR DRILLING, MILLING, REAMING AND TAPPING

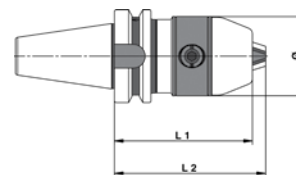


| MODEL         | CAPACITY |              | MOUNT | THROUGH | SIZES mm. |    |      | THREAD | WEIGHT |
|---------------|----------|--------------|-------|---------|-----------|----|------|--------|--------|
| no.           | mm.      | inches       | ISO   | coolant | Ø         | L1 | L2   | p.stud | kg.    |
| HX-10 ID-40   | 0,5 - 10 | 1/32" - 3/8" | 40    | -       | 43        | 77 | 85,5 | M16    | 1,3    |
| HX-10 ID-40/R | 0,5 - 10 | 1/32" - 3/8" | 40    | B+AD    | 43        | 77 | 85,5 | M16    | 1,3    |
| HX-13 ID-40   | 1 - 13   | 1/32" - 1/2" | 40    | -       | 54        | 91 | 100  | M16    | 1,92   |
| HX-13 ID-40/R | 1 - 13   | 1/32" - 1/2" | 40    | B+AD    | 54        | 91 | 100  | M16    | 1,92   |
| HX-13 ID-50   | 1 - 13   | 1/32" - 1/2" | 50    | -       | 54        | 93 | 102  | M24    | 3,46   |
| HX-13 ID-50/R | 1 - 13   | 1/32" - 1/2" | 50    | B+AD    | 54        | 93 | 102  | M124   | 3,46   |
| HX-16 ID-40   | 3 - 16   | 1/8" - 5/8"  | 40    | -       | 57        | 94 | 101  | M16    | 2,10   |
| HX-16 ID-40/R | 3 - 16   | 1/8" - 5/8"  | 40    | B+AD    | 57        | 94 | 101  | M16    | 2,10   |
| HX-16 ID-50   | 3 - 16   | 1/8" - 5/8"  | 50    | -       | 57        | 96 | 103  | M24    | 3,56   |
| HX-16 ID-50/R | 3 - 16   | 1/8" - 5/8"  | 50    | B+AD    | 57        | 96 | 103  | M24    | 3,56   |

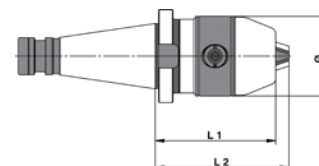
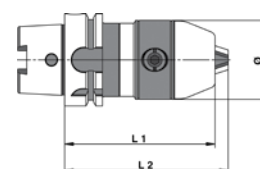
DIN-69871-A  
A, B, AD



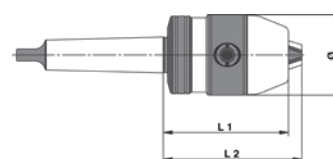
| MODEL           | CAPACITY |              | MOUNT   | THROUGH | SIZES mm. |     |       | THREAD    | WEIGHT |
|-----------------|----------|--------------|---------|---------|-----------|-----|-------|-----------|--------|
| no.             | mm.      | inches       | ISO     | coolant | Ø         | L1  | L2    | p.stud    | kg.    |
| HX-10 BT-40     | 0,5 - 10 | 1/32" - 3/8" | 40      | -       | 43        | 86  | 95    | M16       | 1,38   |
| HX-10 BT-40/R   | 0,5 - 10 | 1/32" - 3/8" | 40      | B + AD  | 43        | 86  | 95    | M16       | 1,38   |
| HX-13 BT-40     | 1 - 13   | 1/32" - 1/2" | 40      | -       | 54        | 96  | 105   | M16       | 2,04   |
| HX-13 BT-40/R   | 1 - 13   | 1/32" - 1/2" | 40      | B + AD  | 54        | 96  | 105   | M16       | 2,04   |
| HX-13 BT-50     | 1 - 13   | 1/32" - 1/2" | 50      | -       | 54        | 107 | 116   | M24       | 4,38   |
| HX-13 BT-50/R   | 1 - 13   | 1/32" - 1/2" | 50      | B + AD  | 54        | 107 | 116   | M24       | 4,38   |
| HX-16 BT-40     | 3 - 16   | 1/8" - 5/8"  | 40      | -       | 57        | 99  | 106   | M16       | 2,22   |
| HX-16 BT-40/R   | 3 - 16   | 1/8" - 5/8"  | 40      | B + AD  | 57        | 99  | 106   | M16       | 2,22   |
| HX-16 BT-50     | 3 - 16   | 1/8" - 5/8"  | 50      | -       | 57        | 110 | 117   | M24       | 4,48   |
| HX-16 BT-50/R   | 3 - 16   | 1/8" - 5/8"  | 50      | B + AD  | 57        | 110 | 117   | M24       | 4,48   |
| HX-10 DIN-40    | 0,5 - 10 | 1/32" - 3/8" | 40      | -       | 43        | 72  | 81    | M16       | 1,22   |
| HX-13 DIN-40    | 1 - 13   | 1/32" - 1/2" | 40      | -       | 54        | 82  | 91    | M16       | 1,84   |
| HX-13 DIN-50    | 1 - 13   | 1/32" - 1/2" | 50      | -       | 54        | 85  | 94    | M24       | 3,32   |
| HX-16 DIN-40    | 3 - 16   | 1/8" - 5/8"  | 40      | -       | 57        | 85  | 92    | M16       | 2,00   |
| HX-16 DIN-50    | 3 - 16   | 1/8" - 5/8"  | 50      | -       | 57        | 88  | 95    | M24       | 3,42   |
| HX-13 HSK-50    | 1 - 13   | 1/32" - 1/2" | 50      | -       | 54        | 112 | 121   | -         | 1,38   |
| HX-13 HSK-50/R  | 1 - 13   | 1/32" - 1/2" | 50      | AD      | 54        | 112 | 121   | -         | 1,38   |
| HX-13 HSK-63    | 1 - 13   | 1/32" - 1/2" | 63      | -       | 54        | 98  | 107   | -         | 1,78   |
| HX-13 HSK-63/R  | 1 - 13   | 1/32" - 1/2" | 63      | AD      | 54        | 103 | 112   | -         | 1,78   |
| HX-13 HSK-100   | 1 - 13   | 1/32" - 1/2" | 100     | -       | 54        | 110 | 119   | -         | 4,38   |
| HX-13 HSK-100/R | 1 - 13   | 1/32" - 1/2" | 100     | AD      | 54        | 98  | 107   | -         | 4,38   |
| HX-16 HSK-50    | 3 - 16   | 1/8" - 5/8"  | 50      | -       | 57        | 115 | 122   | -         | 1,88   |
| HX-16 HSK-50/R  | 3 - 16   | 1/8" - 5/8"  | 50      | AD      | 57        | 115 | 122   | -         | 1,88   |
| HX-16 HSK-63    | 3 - 16   | 1/8" - 5/8"  | 63      | -       | 57        | 101 | 108   | -         | 4,48   |
| HX-16 HSK-63/R  | 3 - 16   | 1/8" - 5/8"  | 63      | AD      | 57        | 106 | 113   | -         | 4,48   |
| HX-16 HSK-100   | 3 - 16   | 1/8" - 5/8"  | 100     | -       | 57        | 113 | 120   | -         | 4,48   |
| HX-16 HSK-100/R | 3 - 16   | 1/8" - 5/8"  | 100     | AD      | 57        | 101 | 108   | -         | 4,48   |
| HX-13 MT-2      | 1 - 13   | 1/32" - 1/2" | MT-2    | -       | 54        | 85  | 94    | -         | 1,32   |
| HX-13 MT-3      | 1 - 13   | 1/32" - 1/2" | MT-3    | -       | 54        | 85  | 94    | -         | 1,48   |
| HX-13 MT-4      | 1 - 13   | 1/32" - 1/2" | MT-4    | -       | 54        | 85  | 94    | -         | 1,80   |
| HX-16 MT-2      | 3 - 16   | 1/8" - 5/8"  | MT-2    | -       | 57        | 88  | 95    | -         | 1,42   |
| HX-16 MT-3      | 3 - 16   | 1/8" - 5/8"  | MT-3    | -       | 57        | 88  | 95    | -         | 1,56   |
| HX-16 MT-4      | 3 - 16   | 1/8" - 5/8"  | MT-4    | -       | 57        | 88  | 95    | -         | 1,88   |
| HX-13 CIL-20    | 1 - 13   | 1/32" - 1/2" | 20      | -       | 54        | 85  | 94    | -         | 1,30   |
| HX-13 CIL-25    | 1 - 13   | 1/32" - 1/2" | 25      | -       | 54        | 82  | 91    | -         | 1,40   |
| HX-13 CIL-32    | 1 - 13   | 1/32" - 1/2" | 32      | -       | 54        | 82  | 91    | -         | 1,56   |
| HX-13 CIL-40    | 1 - 13   | 1/32" - 1/2" | 40      | -       | 54        | 82  | 91    | -         | 1,86   |
| HX-16 CIL-20    | 3 - 16   | 1/8" - 5/8"  | 20      | -       | 57        | 88  | 95    | -         | 1,40   |
| HX-16 CIL-25    | 3 - 16   | 1/8" - 5/8"  | 25      | -       | 57        | 85  | 92    | -         | 1,48   |
| HX-16 CIL-32    | 3 - 16   | 1/8" - 5/8"  | 32      | -       | 57        | 85  | 92    | -         | 1,64   |
| HX-16 CIL-40    | 3 - 16   | 1/8" - 5/8"  | 40      | -       | 57        | 85  | 92    | -         | 1,94   |
| HX-13 VDI-30    | 1 - 13   | 1/32" - 1/2" | 30      | -       | 54        | 90  | 99    | -         | 1,74   |
| HX-13 VDI-40    | 1 - 13   | 1/32" - 1/2" | 40      | -       | 54        | 92  | 101   | -         | 2,30   |
| HX-13 VDI-50    | 1 - 13   | 1/32" - 1/2" | 50      | -       | 54        | 96  | 105   | -         | 3,32   |
| HX-16 VDI-30    | 3 - 16   | 1/8" - 5/8"  | 30      | -       | 57        | 93  | 100   | -         | 1,82   |
| HX-16 VDI-40    | 3 - 16   | 1/8" - 5/8"  | 40      | -       | 57        | 95  | 102   | -         | 2,38   |
| HX-16 VDI-50    | 3 - 16   | 1/8" - 5/8"  | 50      | -       | 57        | 99  | 106   | -         | 3,40   |
| HX-10 CA40      | 0,5 - 10 | 1/32" - 3/8" | 40      | -       | 43        | 100 | 108,5 | 5/8" - 11 | 1,50   |
| HX-10 CA40/R    | 0,5 - 10 | 1/32" - 3/8" | 40      | B+AD    | 43        | 100 | 108,5 | 5/8" - 11 | 1,50   |
| HX-13 CA40      | 1 - 13   | 1/32" - 1/2" | 40      | -       | 54        | 107 | 116   | 5/8" - 11 | 2,18   |
| HX-13 CA40/R    | 1 - 13   | 1/32" - 1/2" | 40      | B+AD    | 54        | 107 | 116   | 5/8" - 11 | 2,18   |
| HX-13 CA50      | 1 - 13   | 1/32" - 1/2" | 50      | -       | 54        | 88  | 97    | 1" - 8    | 3,86   |
| HX-13 CA50/R    | 1 - 13   | 1/32" - 1/2" | 50      | B+AD    | 54        | 94  | 103   | 1" - 8    | 3,86   |
| HX-16 CA40      | 3 - 16   | 1/8" - 5/8"  | 40      | -       | 57        | 110 | 117   | 5/8" - 11 | 2,30   |
| HX-16 CA40/R    | 3 - 16   | 1/8" - 5/8"  | 40      | B+AD    | 57        | 110 | 117   | 5/8" - 11 | 2,30   |
| HX-16 CA50      | 3 - 16   | 1/8" - 5/8"  | 50      | -       | 57        | 91  | 98    | 1" - 8    | 3,96   |
| HX-16 CA50/R    | 3 - 16   | 1/8" - 5/8"  | 50      | B+AD    | 57        | 97  | 104   | 1" - 8    | 3,96   |
| HX-13 R-8       | 1 - 13   | 1/32" - 1/2" | R-8     | -       | 54        | 85  | 94    | -         | 1,58   |
| HX-16 R-8       | 3 - 16   | 1/8" - 5/8"  | R-8     | -       | 57        | 88  | 95    | -         | 1,66   |
| HX-10 B         | 0,5 - 10 | 1/32" - 3/8" | Morse 4 | -       | 43        | 60  | 69    | -         | 0,72   |
| HX-10 B/R       | 0,5 - 10 | 1/32" - 3/8" | Morse 4 | B+AD    | 43        | 60  | 69    | -         | 0,72   |
| HX-13 B         | 1 - 13   | 1/32" - 1/2" | Morse 4 | -       | 54        | 73  | 85    | -         | 1,12   |
| HX-13 B/R       | 1 - 13   | 1/32" - 1/2" | Morse 4 | B+AD    | 54        | 73  | 85    | -         | 1,12   |
| HX-16 B         | 3 - 16   | 1/8" - 5/8"  | Morse 4 | -       | 57        | 76  | 87    | -         | 1,22   |
| HX-16 B/R       | 3 - 16   | 1/8" - 5/8"  | Morse 4 | B+AD    | 57        | 76  | 87    | -         | 1,22   |

MAS 403-BT [JIS-6339A]  
A, B, AD

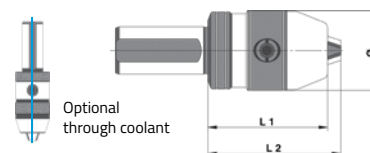
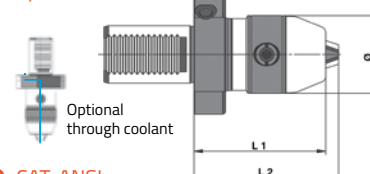
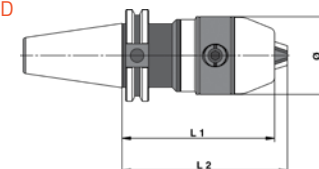
DIN-2080

DIN-69893-A  
[HSK]

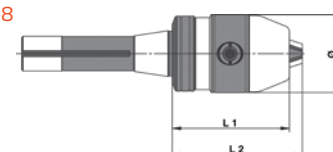
MORSE



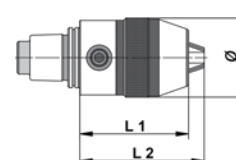
STRAIGHT SHANK

DIN-69880 VDI  
A, ADCAT-ANSI  
A, AD

R-8



HEXA-B





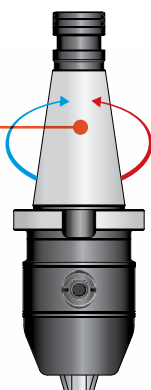
## HEXA BLACK

Standard drill chuck with integrated shank and hexagonal key lock.  
Great quality at a fair price

- For use on CNC machines, for drilling, milling, reaming and tapping.
- Hexagonal key lock system.
- Permits clockwise and counterclockwise rotating.
- High gripping torque, exceeding 100 Nm. = 75 ft/lbs
- Maximum total indicator run-out of 0.05 mm. = .0019"
- Maximum revolutions per minute without balancing: 8000.



ALLOWS FOR RIGHT OR LEFT HAND ROTATION



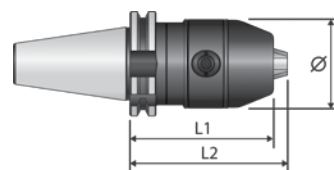
| MODEL       | CAPACITY |              | MOUNT | THROUGH | SIZES mm. |    |     | THREAD | WEIGHT |
|-------------|----------|--------------|-------|---------|-----------|----|-----|--------|--------|
| no.         | mm.      | inches       | ISO   | coolant | Ø         | L1 | L2  | p.stud | kg.    |
| HB-13 ID-40 | 1 - 13   | 1/32" - 1/2" | 40    | -       | 54        | 91 | 100 | M16    | 1,92   |
| HB-16 ID-40 | 3 - 16   | 1/8" - 5/8"  | 40    | -       | 57        | 94 | 101 | M16    | 2,10   |

|             |        |              |    |   |    |    |     |     |      |
|-------------|--------|--------------|----|---|----|----|-----|-----|------|
| HB-13 BT-40 | 1 - 13 | 1/32" - 1/2" | 40 | - | 54 | 96 | 105 | M16 | 2,04 |
| HB-16 BT-40 | 3 - 16 | 1/8" - 5/8"  | 40 | - | 57 | 99 | 106 | M16 | 2,22 |

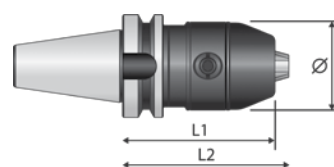
|              |        |              |    |   |    |    |    |     |      |
|--------------|--------|--------------|----|---|----|----|----|-----|------|
| HB-13 DIN-40 | 1 - 13 | 1/32" - 1/2" | 40 | - | 54 | 82 | 91 | M16 | 1,84 |
| HB-16 DIN-40 | 3 - 16 | 1/8" - 5/8"  | 40 | - | 57 | 85 | 92 | M16 | 2,00 |

|            |        |              |    |   |    |     |     |     |      |
|------------|--------|--------------|----|---|----|-----|-----|-----|------|
| HB-13 CA40 | 1 - 13 | 1/32" - 1/2" | 40 | - | 54 | 107 | 116 | M16 | 2,18 |
| HB-16 CA40 | 3 - 16 | 1/8" - 5/8"  | 40 | - | 57 | 110 | 117 | M16 | 2,30 |

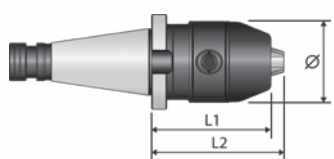
DIN-69871



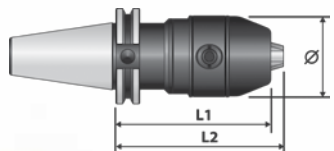
MAS-BT



DIN-2080



CAT-ANSI



# Micro DRILL

## Chucks & Adapters

**Ideal for micro hole drilling**

**Very accurate and sensitive for precise drilling**

- Ideal for micro hole drilling.
- From 0.2 mm (0.008") to 4 mm (0.156") capacities, with the combination of a Micro Drill Chuck (3 types available) and a Sensitive Drill Feed (2 types available)

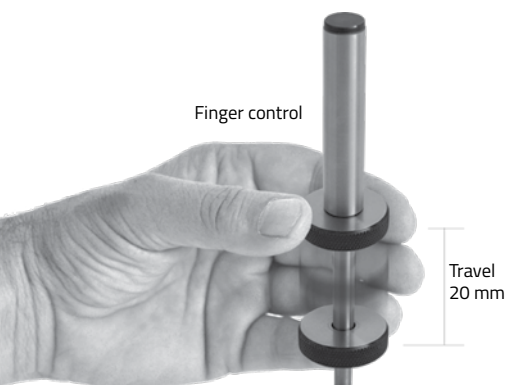
## Features & Benefits

- Precision  $\pm 0.04$  mm (0.0016")
- Very accurate and sensitive for precise drilling.
- Longer tool life and less occurrence of catastrophic tool failure.
- To be used in mills, lathes, drill presses, jigbore and Swiss machines.
- Eliminates the need of secondary operations to drill small holes. Spindle speeds up to 50.000 RPM (SP-1.5)
- All micro drill chucks available upon request with thru hole for EDM machines.
- Micro Drill Chucks and Adapters can be supplied separately, or as part of a KIT (up to 6 combinations are available)

## Simple to use

- Feed with gentle finger pressure.
- Free turning knurled ring.
- Spring return upon release.
- 20 mm (3/4") total travel.
- Standard  $\varnothing$  13 mm (1/2") straight shank or #1 morse taper to go directly into the spindle of your machine or it can be held with a rotary toolholder or drill chuck.

*... for a wide range of applications*



Aerospace



Electronics



Job Shops

## Micro Drill Chucks

| MODEL        | CAPACITY  |              | MOUNT | KEY   | SIZES mm. |      |      | WEIGHT |
|--------------|-----------|--------------|-------|-------|-----------|------|------|--------|
| no.          | mm.       | inches       | K     | model | Ø         | L1   | L2   | gr.    |
| SP-1.5 J0/B6 | 0,2 - 1,5 | .008"-1/16"  | J0/B6 | -     | 19,3      | 35,3 | 37,5 | 50     |
| SP-03 J0/B6  | 0,3 - 3   | 1/64"-1/8"   | J0/B6 | -     | 24,5      | 44,0 | 47,5 | 200    |
| CY-04 J0/B6  | 0,5 - 4   | 1/64"-54/32" | J0/B6 | K0    | 22,0      | 29,0 | 36,0 | 50     |

## Sensitive Drill Adapters

| MODEL No.     | SHANK         | MOUNT | WEIGHT gr. |
|---------------|---------------|-------|------------|
| EL-MT1/J0/B6  | morse taper 1 | J0/B6 | 95         |
| ECIL-13/J0/B6 | Ø 13mm        | J0/B6 | 100        |

## Drill Chucks and Adapter KITS

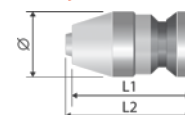
| KIT No. | DRILL CHUCK  | ADAPTER        | WEIGHT gr. |
|---------|--------------|----------------|------------|
| KIT #1  | SP-1,5 J0/B6 | ECIL-13/JT0/B6 | 150        |
| KIT #2  | SP-1,5 J0/B6 | EL-MT1/JT0/B6  | 145        |
| KIT #3  | SP-03 J0/B6  | ECIL-13/JT0/B6 | 300        |
| KIT #4  | SP-03 J0/B6  | EL-MT1/JT0/B6  | 295        |
| KIT #5  | CY-04 J0/B6  | ECIL-13/JT0/B6 | 150        |
| KIT #6  | CY-04 J0/B6  | EL-MT1/JT0/B6  | 145        |

KITS include FREE wedge for removing chuck from adapter

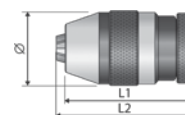


Attractive & safe  
packaging  
for KITS

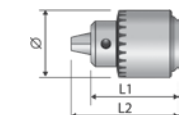
SP-1.5 J0/B6



SP-03 J0/B6



CY-04 J0/B6



EL-MT1/J0/B6



ECIL-13/J0/B6



KIT #1



KIT #2



KIT #3



KIT #4



KIT #5



KIT #6



Medical Industry



Metalworking



Hobby Industry



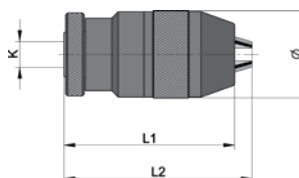
Watch and Jewelry



## CKS

### Keyless Drill Chuck for portable drilling machines or stationary machines

- Drill chucks for industrial use (medium duty), available with screw fittings for professional portable drilling machines and with taper fittings for stationary drilling machines.
- Automatic fitting for efficient, fast change of tools.
- Self-tightening mechanism automatically increases the grip in proportion to the increase in torque during the drilling and avoids the tool slipping in clockwise rotation.
- Fits tools of up to 20 mm in diameter.
- Machine fitting via DIN-238 or JACOBS tapers and UNF thread fittings.



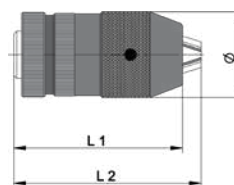
| MODEL           | CAPACITY  |               | MOUNT       | SIZES mm. |     |     | WEIGHT |
|-----------------|-----------|---------------|-------------|-----------|-----|-----|--------|
| no.             | mm.       | inches        | K           | Ø         | L1  | L2  | gr.    |
| CKS-04 B-10     | 0,5 - 4   | 1/64" - 5/32" | B - 10      | 26        | 50  | 55  | 170    |
| CKS-04 J-1      | 0,5 - 4   | 1/64" - 5/32" | J - 1       | 26        | 50  | 55  | 170    |
| CKS-06 B-12     | 0,5 - 6,5 | 1/64" - 1/4"  | B - 12      | 34        | 63  | 70  | 310    |
| CKS-06 J-1      | 0,5 - 6,5 | 1/64" - 1/4"  | J - 1       | 34        | 63  | 70  | 310    |
| CKS-06 R-3/8    | 0,5 - 6,5 | 1/64" - 1/4"  | 3/8" x 24h. | 34        | 63  | 70  | 310    |
| CKS-08 B-10     | 0,8 - 8   | 1/32" - 5/16" | B - 10      | 37        | 72  | 78  | 450    |
| CKS-08 B-12     | 0,8 - 8   | 1/32" - 5/16" | B - 12      | 37        | 72  | 78  | 430    |
| CKS-08 R-3/8    | 0,8 - 8   | 1/32" - 5/16" | 3/8" x 24h. | 37        | 72  | 78  | 450    |
| CKS-08 R-1/2    | 0,8 - 8   | 1/32" - 5/16" | 1/2" x 20h. | 37        | 72  | 78  | 450    |
| CKS-08 J-1      | 0,8 - 8   | 1/32" - 5/16" | J - 1       | 37        | 72  | 78  | 430    |
| CKS-08 J-2S     | 0,8 - 8   | 1/32" - 5/16" | J - 2       | 37        | 72  | 78  | 430    |
| CKS-10 B-12     | 0,8 - 10  | 1/32" - 3/8"  | B - 12      | 40        | 79  | 86  | 560    |
| CKS-10 B-16     | 0,8 - 10  | 1/32" - 3/8"  | B - 16      | 40        | 79  | 86  | 560    |
| CKS-10 R-3/8    | 0,8 - 10  | 1/32" - 3/8"  | 3/8" x 24h. | 37        | 72  | 78  | 450    |
| CKS-10 R-3/8 BL | 0,8 - 10  | 1/32" - 3/8"  | 3/8" x 24h. | 37        | 72  | 78  | 450    |
| CKS-10 R-1/2    | 0,8 - 10  | 1/32" - 3/8"  | 1/2" x 20h. | 37        | 72  | 78  | 445    |
| CKS-10 R-1/2 BL | 0,8 - 10  | 1/32" - 3/8"  | 1/2" x 20h. | 37        | 72  | 78  | 445    |
| CKS-10 J-2      | 0,8 - 10  | 1/32" - 3/8"  | J - 2       | 40        | 79  | 86  | 560    |
| CKS-10 J-33     | 0,8 - 10  | 1/32" - 3/8"  | J - 33      | 40        | 79  | 86  | 560    |
| CKS-13 B-12     | 1 - 13    | 1/32" - 1/2"  | B - 12      | 47        | 93  | 103 | 940    |
| CKS-13 B-16     | 1 - 13    | 1/32" - 1/2"  | B - 16      | 47        | 93  | 103 | 940    |
| CKS-13 J-2      | 1 - 13    | 1/32" - 1/2"  | J - 2       | 47        | 93  | 103 | 940    |
| CKS-13 J-33     | 1 - 13    | 1/32" - 1/2"  | J - 33      | 47        | 93  | 103 | 940    |
| CKS-13 J-6      | 1 - 13    | 1/32" - 1/2"  | J - 6       | 47        | 93  | 103 | 940    |
| CKS-13 R-3/8    | 2 - 13    | 1/16" - 1/2"  | 3/8" x 24h. | 40        | 76  | 83  | 560    |
| CKS-13 R-3/8 BL | 2 - 13    | 1/16" - 1/2"  | 3/8" x 24h. | 40        | 76  | 83  | 585    |
| CKS-13 R-1/2    | 2 - 13    | 1/16" - 1/2"  | 1/2" x 20h. | 40        | 76  | 83  | 560    |
| CKS-13 R-1/2 BL | 2 - 13    | 1/16" - 1/2"  | 1/2" x 20h. | 40        | 76  | 83  | 585    |
| CKS-16 B-16     | 3 - 16    | 1/8" - 5/8"   | B - 16      | 52        | 95  | 105 | 1.160  |
| CKS-16 B-18     | 3 - 16    | 1/8" - 5/8"   | B - 18      | 52        | 95  | 105 | 1.160  |
| CKS-16 J-33     | 3 - 16    | 1/8" - 5/8"   | J - 33      | 52        | 95  | 105 | 1.140  |
| CKS-16 J-6      | 3 - 16    | 1/8" - 5/8"   | J - 6       | 52        | 95  | 105 | 1.135  |
| CKS-16 R-1/2    | 3 - 16    | 1/8" - 5/8"   | 1/2" x 20h. | 52        | 95  | 105 | 1.160  |
| CKS-16 R-5/8    | 3 - 16    | 1/8" - 5/8"   | 5/8" x 16h. | 52        | 95  | 105 | 1.160  |
| CKS-20 B-18     | 5 - 20    | 3/16" - 3/4"  | B - 18      | 64        | 121 | 131 | 2.200  |
| CKS-20 B-22     | 5 - 20    | 3/16" - 3/4"  | B - 22      | 64        | 121 | 131 | 2.200  |
| CKS-20 J-3      | 5 - 20    | 3/16" - 3/4"  | J - 3       | 64        | 121 | 131 | 2.200  |



## CKX

### Keyless Drill Chuck with SECURITY LOCK for percussion drilling machines

- Drill chucks with self-tightening system and a safety locking device that avoids any slipping of the drill bit.
- Optimum for hammer and stationary drills with instant spindle stoppage.
- Fits tools of up to 13 mm in diameter.
- Machine fitting via DIN-238 and UNF thread fittings.



BL = blister packaging

| MODEL           | CAPACITY |              | MOUNT       | SIZES mm. |    |    | WEIGHT |
|-----------------|----------|--------------|-------------|-----------|----|----|--------|
| no.             | mm.      | inches       | K           | Ø         | L1 | L2 | gr.    |
| CKX-10 B-12     | 0,8 - 10 | 1/32" - 3/8" | B-12        | 36        | 65 | 74 | 360    |
| CKX-10 R-3/8    | 0,8 - 10 | 1/32" - 3/8" | 3/8" x 24h. | 36        | 65 | 74 | 350    |
| CKX-10 R-3/8 BL | 0,8 - 10 | 1/32" - 3/8" | 3/8" x 24h. | 36        | 65 | 74 | 350    |
| CKX-10 R-1/2    | 0,8 - 10 | 1/32" - 3/8" | 1/2" x 20h. | 36        | 65 | 74 | 350    |
| CKX-10 R-1/2 BL | 0,8 - 10 | 1/32" - 3/8" | 1/2" x 20h. | 36        | 65 | 74 | 350    |
| CKX-13 B-12     | 1 - 13   | 1/32" - 1/2" | B - 12      | 44        | 86 | 96 | 650    |
| CKX-13 B-16     | 1 - 13   | 1/32" - 1/2" | B - 16      | 44        | 86 | 96 | 650    |
| CKX-13 R-3/8    | 1 - 13   | 1/32" - 1/2" | 3/8" x 24h. | 44        | 86 | 96 | 670    |
| CKX-13 R-3/8 BL | 1 - 13   | 1/32" - 1/2" | 3/8" x 24h. | 44        | 86 | 96 | 670    |
| CKX-13 R-1/2    | 1 - 13   | 1/32" - 1/2" | 1/2" x 20h. | 44        | 86 | 96 | 670    |
| CKX-13 R-1/2 BL | 1 - 13   | 1/32" - 1/2" | 1/2" x 20h. | 44        | 86 | 96 | 670    |

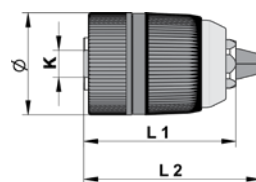


## CPL



### Keyless Drill Chuck for portable drilling machines

- Ideal for portable electric drilling machines, on mains or battery operated.
- Does not require a chuck key for tightening or loosening, enabling production increase.
- Ergonomic design, using materials which eliminate the possibility of oxidation.
- Fits any type of drill, via UNF thread, male and female.
- Wide range of ACCESSORIES (see more info in page 26).



M\* = means male thread  
BL = blister packaging

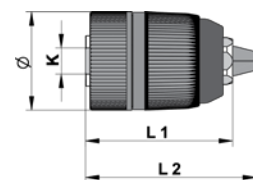
| MODEL<br>no.      | CAPACITY |              | MOUNT<br>K       | SIZES mm. |    |    | WEIGHT<br>gr. |
|-------------------|----------|--------------|------------------|-----------|----|----|---------------|
|                   | mm.      | inches       |                  | Ø         | L1 | L2 |               |
| CPL-10 R-3/8      | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF    | 41        | 57 | 65 | 180           |
| CPL-10 R-3/8 BL   | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF    | 41        | 57 | 65 | 190           |
| CPL-10 R-3/8M*    | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF M* | 41        | 57 | 65 | 200           |
| CPL-10 R-3/8M* BL | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF M* | 41        | 57 | 65 | 210           |
| CPL-10 R-1/2      | 1 - 10   | 1/32" - 3/8" | 1/2" x 20 UNF    | 41        | 57 | 65 | 180           |
| CPL-10 R-1/2 BL   | 1 - 10   | 1/32" - 3/8" | 1/2" x 20 UNF    | 41        | 57 | 65 | 190           |
| CPL-13 R-3/8      | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF    | 43        | 65 | 75 | 260           |
| CPL-13 R-3/8 BL   | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF    | 43        | 65 | 75 | 270           |
| CPL-13 R-3/8M*    | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF M* | 43        | 65 | 75 | 280           |
| CPL-13 R-3/8M* BL | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF M* | 43        | 65 | 75 | 300           |
| CPL-13 R-1/2      | 2 - 13   | 1/16" - 1/2" | 1/2" x 20 UNF    | 43        | 65 | 75 | 260           |
| CPL-13 R-1/2 BL   | 2 - 13   | 1/16" - 1/2" | 1/2" x 20 UNF    | 43        | 65 | 75 | 270           |
| CPL-13 SDS PLUS   | 2 - 13   | 1/16" - 1/2" | SDS PLUS         | 43        | 65 | 75 | 320           |

## CPX



### Keyless Drill Chuck with PLASTIC body, LOCKING mechanism and CARBIDE JAW-inserts

- With a locking mechanism, no key is required for closing or opening, for hammer drilling and also screwdriver operations.
- Carbide jaw-inserts (for 13 mm. capacity) reduce bit slippage and enhance wear resistance.
- Ergonomic design, using materials that eliminate the possibility of rust.
- With through hole for clockwise and anticlockwise rotation.
- Supplied with screw M5 (R-3/8") or M6 (R-1/2") to fix chuck to drilling machine.
- Fits any type of drill (up to 1000 W) via UNF thread, male and female.
- Wide range of ACCESSORIES (see more info in page 26).



Carbide jaw-inserts

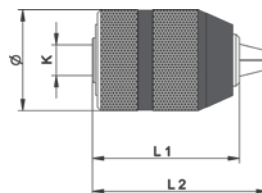
| MODEL<br>no.      | CAPACITY |              | MOUNT<br>K       | SIZES mm. |    |    | WEIGHT<br>gr. |
|-------------------|----------|--------------|------------------|-----------|----|----|---------------|
|                   | mm.      | inches       |                  | Ø         | L1 | L2 |               |
| CPX-10 R-3/8      | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF    | 41        | 57 | 66 | 220           |
| CPX-10 R-3/8 BL   | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF    | 41        | 57 | 66 | 230           |
| CPX-10 R-3/8M*    | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF M* | 41        | 57 | 66 | 240           |
| CPX-10 R-3/8M* BL | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF M* | 41        | 57 | 66 | 250           |
| CPX-10 R-1/2      | 1 - 10   | 1/32" - 3/8" | 1/2" x 20 UNF    | 41        | 57 | 66 | 220           |
| CPX-10 R-1/2 BL   | 1 - 10   | 1/32" - 3/8" | 1/2" x 20 UNF    | 41        | 57 | 66 | 230           |
| CPX-13 R-3/8      | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF    | 42        | 65 | 75 | 280           |
| CPX-13 R-3/8 BL   | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF    | 42        | 65 | 75 | 290           |
| CPX-13 R-3/8M*    | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF M* | 42        | 65 | 75 | 295           |
| CPX-13 R-3/8M* BL | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF M* | 42        | 65 | 75 | 300           |
| CPX-13 R-1/2      | 2 - 13   | 1/16" - 1/2" | 1/2" x 20 UNF    | 42        | 65 | 75 | 280           |
| CPX-13 R-1/2 BL   | 2 - 13   | 1/16" - 1/2" | 1/2" x 20 UNF    | 42        | 65 | 75 | 290           |
| CPX-13 SDS PLUS   | 2 - 13   | 1/16" - 1/2" | SDS PLUS         | 42        | 65 | 75 | 340           |

## CPM



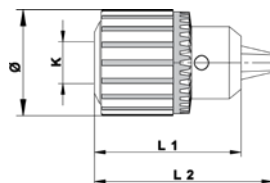
### Keyless Drill Chuck with METAL BODY, LOCKING mechanism and CARBIDE JAW-inserts

- With a locking mechanism, no key is required for closing or opening, for hammer drilling and also screwdriver operations.
- Carbide jaw-inserts (for 13 mm. capacity) reduce bit slippage and enhance wear resistance.
- Ergonomic and strong design with full metal sleeves in black oxide finish that eliminates the possibility of rust.
- With through hole for clockwise and anticlockwise rotation.
- Supplied with screw M5 (R-3/8") or M6 (R1/2") to fix chuck to drilling machine.
- Fits any type of drill (up to 1000 W) via UNF thread, male and female.
- Wide range of ACCESSORIES (see more info in page 26).



Carbide jaw-inserts

| MODEL<br>no.      | CAPACITY |              | MOUNT<br>K       | SIZES mm. |      |      | WEIGHT<br>gr. |
|-------------------|----------|--------------|------------------|-----------|------|------|---------------|
|                   | mm.      | inches       |                  | Ø         | L1   | L2   |               |
| CPM-10 R-3/8      | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF    | 41        | 54,5 | 64,5 | 180           |
| CPM-10 R-3/8 BL   | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF    | 41        | 54,5 | 64,5 | 190           |
| CPM-10 R-3/8M*    | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF M* | 41        | 54,5 | 64,5 | 200           |
| CPM-10 R-3/8M* BL | 1 - 10   | 1/32" - 3/8" | 3/8" x 24 UNF M* | 41        | 54,5 | 64,5 | 210           |
| CPM-10 R-1/2      | 1 - 10   | 1/32" - 3/8" | 1/2" x 20 UNF    | 41        | 54,5 | 64,5 | 180           |
| CPM-10 R-1/2 BL   | 1 - 10   | 1/32" - 3/8" | 1/2" x 20 UNF    | 41        | 54,5 | 64,5 | 190           |
| CPM-13 R-3/8      | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF    | 43        | 62,5 | 74,5 | 260           |
| CPM-13 R-3/8 BL   | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF    | 43        | 62,5 | 74,5 | 270           |
| CPM-13 R-3/8M*    | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF M* | 43        | 62,5 | 74,5 | 280           |
| CPM-13 R-3/8M* BL | 2 - 13   | 1/16" - 1/2" | 3/8" x 24 UNF M* | 43        | 62,5 | 74,5 | 300           |
| CPM-13 R-1/2      | 2 - 13   | 1/16" - 1/2" | 1/2" x 20 UNF    | 43        | 62,5 | 74,5 | 260           |
| CPM-13 R-1/2 BL   | 2 - 13   | 1/16" - 1/2" | 1/2" x 20 UNF    | 43        | 62,5 | 74,5 | 270           |
| CPM-13 SDS PLUS   | 2 - 13   | 1/16" - 1/2" | SDS PLUS         | 43        | 62,5 | 74,5 | 320           |



## CY

### INDUSTRIAL Drill Chuck with key for stationary machines and portable drilling machines

- Specially designed for stationary drilling, turning, milling and wood working machines.
- The one-piece gear ring and sleeve eliminate the possibility of tooth breakage.
- The jaws, gear ring and body are all totally hardened to avoid wear and lengthen the life of the drill chuck.
- Fits tools of up to 20 mm in diameter. (3/4").
- Machine fitting via DIN-238 or JACOBS tapers and UNF screw fittings.
- Wide range of ACCESSORIES (see more info in page 26).

| MODEL<br>no.                 | CAPACITY  |               | MOUNT<br>K | SIZES mm. |    |     | WEIGHT<br>gr. |
|------------------------------|-----------|---------------|------------|-----------|----|-----|---------------|
|                              | mm.       | inches        |            | Ø         | L1 | L2  |               |
| CY-04 J-0                    | 0,8 - 4   | 1/32" - 5/32" | J- 0       | 22        | 29 | 36  | 100           |
| CY-04 R-5/16                 | 0,8 - 4   | 1/32" - 5/32" | 5/16" x 24 | 22        | 28 | 44  | 130           |
| CY-06 B-10                   | 0,8 - 6,5 | 1/32" - 1/4"  | B - 10     | 32        | 42 | 51  | 220           |
| CY-06 B-12                   | 0,8 - 6,5 | 1/32" - 1/4"  | B - 12     | 32        | 44 | 54  | 210           |
| CY-06 J-1                    | 0,8 - 6,5 | 1/32" - 1/4"  | J- 1       | 32        | 40 | 49  | 200           |
| CY-06 R-3/8                  | 0,8 - 6,5 | 1/32" - 1/4"  | 3/8" x 24  | 32        | 42 | 52  | 220           |
| CY-06 R-3/8 SP*              | 0,8 - 6,5 | 1/32" - 1/4"  | 3/8" x 24  | 37        | 51 | 63  | 340           |
| CY-10 B-12                   | 1 - 10    | 1/32" - 3/8"  | B - 12     | 37        | 51 | 60  | 300           |
| CY-10 B-16                   | 1 - 10    | 1/32" - 3/8"  | B - 16     | 43        | 53 | 68  | 400           |
| CY-10 J-1                    | 1 - 10    | 1/32" - 3/8"  | J- 1       | 37        | 51 | 60  | 310           |
| CY-10 J-2                    | 1 - 10    | 1/32" - 3/8"  | J- 2       | 37        | 51 | 60  | 300           |
| CY-10 J-2 SP*                | 1 - 10    | 1/32" - 3/8"  | J- 2       | 43        | 55 | 68  | 420           |
| CY-10 R-3/8                  | 1 - 10    | 1/32" - 3/8"  | 3/8" x 24  | 37        | 51 | 60  | 300           |
| CY-10 R-3/8 SP*              | 1 - 10    | 1/32" - 3/8"  | 3/8" x 24  | 43        | 53 | 68  | 420           |
| CY-10 R-1/2                  | 1 - 10    | 1/32" - 3/8"  | 1/2" x 20  | 37        | 51 | 60  | 300           |
| CY-10 R-1/2 SP*              | 1 - 10    | 1/32" - 3/8"  | 1/2" x 20  | 43        | 53 | 68  | 420           |
| CY-13 B-12                   | 1,5 - 13  | 3/64" - 1/2"  | B - 12     | 46        | 62 | 77  | 480           |
| CY-13 B-16                   | 1,5 - 13  | 3/64" - 1/2"  | B - 16     | 46        | 62 | 77  | 460           |
| CY-13 J-6                    | 1,5 - 13  | 3/64" - 1/2"  | J- 6       | 46        | 62 | 77  | 480           |
| CY-13 J-33                   | 1,5 - 13  | 3/64" - 1/2"  | J- 33      | 46        | 62 | 77  | 480           |
| CY-13 J-33 KD <sup>(1)</sup> | 1,5 - 13  | 3/64" - 1/2"  | 33JT       | 46        | 71 | 86  | 500           |
| CY-13 R-3/8                  | 1,5 - 13  | 3/64" - 1/2"  | 3/8" x 24  | 46        | 62 | 77  | 500           |
| CY-13 R-1/2                  | 1,5 - 13  | 3/64" - 1/2"  | 1/2" x 20  | 46        | 62 | 77  | 480           |
| CY-13 R-5/8                  | 1,5 - 13  | 3/64" - 1/2"  | 5/8" x 16  | 46        | 62 | 77  | 490           |
| CYX-13 J-2*                  | 1,5 - 13  | 3/64" - 1/2"  | J- 2       | 53        | 69 | 89  | 760           |
| CYX-13 J-6*                  | 1,5 - 13  | 3/64" - 1/2"  | J- 6       | 53        | 69 | 89  | 740           |
| CYX-13 J-33*                 | 1,5 - 13  | 3/64" - 1/2"  | J- 33      | 53        | 69 | 89  | 750           |
| CYX-13 J-33C <sup>(3)</sup>  | 1,5 - 13  | 3/64" - 1/2"  | 33JT       | 53        | 86 | 106 | 820           |
| CY-16 B-16                   | 1 - 16    | 1/32" - 5/8"  | B - 16     | 57        | 77 | 95  | 920           |
| CY-16 B-18                   | 1 - 16    | 1/32" - 5/8"  | B - 18     | 57        | 77 | 95  | 920           |
| CY-16 J-6                    | 1 - 16    | 1/32" - 5/8"  | J- 6       | 57        | 77 | 95  | 970           |
| CY-16 J-33                   | 1 - 16    | 1/32" - 5/8"  | J- 33      | 57        | 77 | 95  | 980           |
| CY-16 J-3                    | 1 - 16    | 1/32" - 5/8"  | J- 3       | 57        | 77 | 95  | 940           |
| CY-16 J-3 KD <sup>(1)</sup>  | 1 - 16    | 1/32" - 5/8"  | 3JT        | 57        | 85 | 102 | 980           |
| CY-16 J-3 PD <sup>(2)</sup>  | 1 - 16    | 1/32" - 5/8"  | 3JT        | 57        | 85 | 102 | 980           |
| CY-16 R-1/2                  | 1 - 16    | 1/32" - 5/8"  | 1/2" x 20  | 57        | 77 | 95  | 990           |
| CY-16 R-5/8                  | 1 - 16    | 1/32" - 5/8"  | 5/8" x 16  | 57        | 77 | 95  | 1.000         |
| CY-19 B-22                   | 3 - 20    | 13/64" - 3/4" | B - 22     | 65        | 85 | 110 | 1.440         |
| CY-19 J-3                    | 3 - 20    | 13/64" - 3/4" | J- 3       | 65        | 85 | 110 | 1.440         |
| CY-19 J-3 KD <sup>(1)</sup>  | 3 - 20    | 13/64" - 3/4" | 3JT        | 65        | 89 | 116 | 1.440         |
| CY-19 J-3 PD <sup>(2)</sup>  | 3 - 20    | 13/64" - 3/4" | 3JT        | 65        | 89 | 116 | 1.360         |
| CY-19 J-4                    | 3 - 20    | 13/64" - 3/4" | J- 4       | 68        | 97 | 120 | 1.500         |
| CY-19 R-3/4                  | 3 - 20    | 13/64" - 3/4" | 3/4" x 16  | 65        | 85 | 110 | 1.500         |
| CY-19 R-5/8                  | 3 - 20    | 13/64" - 3/4" | 5/8" x 16  | 65        | 85 | 110 | 1.540         |

\* Extra heavy duty model

<sup>(1)</sup> Equipped with positive drive slot

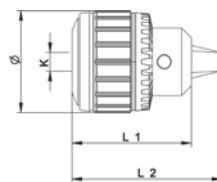
<sup>(2)</sup> Equipped with pin type positive drive

<sup>(3)</sup> Equipped with locking collar

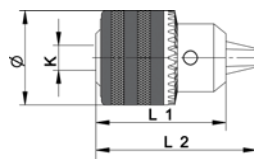
## CBB

### BALL-BEARING Drill Chuck with key for production drilling equipment

- Drill chuck with key for industrial applications that require the toughest machining conditions.
- Equipped with ball bearings to reduce friction in the tightening mechanism and provide a better grip on the drill shaft.
- All the pieces are hardened and ground.
- The one-piece gear ring and sleeve eliminate the possibility of tooth breakage.
- Fits tools of up to 25 mm. (1"), machine fitting via Jacobs tapers.



| MODEL     | CAPACITY |               | MOUNT  | SIZES mm. |     |     | WEIGHT |
|-----------|----------|---------------|--------|-----------|-----|-----|--------|
| no.       | mm.      | inches        | K      | Ø         | L1  | L2  | gr.    |
| CBB-08 J2 | 1 - 8    | 1/32" - 5/16" | J - 25 | 47        | 55  | 70  | 500    |
| CBB-10 J2 | 1 - 10   | 1/32" - 3/8"  | J - 25 | 47        | 55  | 70  | 500    |
| CBB-13 J3 | 1 - 13   | 1/32" - 1/2"  | J - 3  | 62        | 75  | 94  | 1.115  |
| CBB-13 J6 | 1 - 13   | 1/32" - 1/2"  | J - 6  | 62        | 75  | 94  | 1.120  |
| CBB-16 J3 | 1 - 16   | 1/32" - 5/8"  | J - 3  | 67        | 81  | 102 | 1.470  |
| CBB-19 J4 | 1 - 20   | 1/32" - 3/4"  | J - 4  | 75        | 99  | 125 | 2.145  |
| CBB-25 J5 | 5 - 25   | 13/64" - 1"   | J - 5  | 93        | 112 | 147 | 3.645  |



## CL

### LIGHT-DUTY Drill Chuck with key for portable drilling machines

- Ideal for electric portable drilling machines, with or without batteries, cutting direction reversible or non reversible.
- Fits tools of up to 16 mm.
- Fits to machine via UNF screw fittings, male and female, DIN-238 and E-6.3.
- Wide range of ACCESSORIES (see more info in page 26).

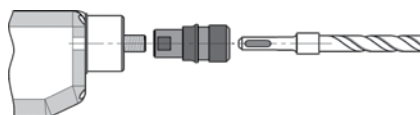


| MODEL            | CAPACITY  |              | MOUNT       | SIZES mm. |    |    | WEIGHT |
|------------------|-----------|--------------|-------------|-----------|----|----|--------|
| no.              | mm.       | inches       | K           | Ø         | L1 | L2 | gr.    |
| CL-06 B-10       | 0,8 - 6,5 | 1/32" - 1/4" | B-10        | 30        | 44 | 55 | 180    |
| CL-06 R-3/8      | 0,8 - 6,5 | 1/32" - 1/4" | 3/8"x24h    | 30        | 44 | 55 | 190    |
| CL-06 R-3/8 BL   | 0,8 - 6,5 | 1/32" - 1/4" | 3/8"x24h    | 30        | 44 | 55 | 200    |
| CL-06 ATOR       | 0,8 - 6,5 | 1/32" - 1/4" | E-6,3       | 30        | 44 | 55 | 205    |
| CL-10 B-12       | 1 - 10    | 1/32" - 3/8" | B-12        | 33        | 50 | 60 | 240    |
| CL-10 R-3/8      | 1 - 10    | 1/32" - 3/8" | 3/8"x24h    | 33        | 50 | 60 | 240    |
| CL-10 R-3/8 BL   | 1 - 10    | 1/32" - 3/8" | 3/8"x24h    | 33        | 50 | 60 | 255    |
| CL-10 R-3/8M*    | 1 - 10    | 1/32" - 3/8" | 3/8"x24h M* | 33        | 50 | 60 | 255    |
| CL-10 R-3/8M* BL | 1 - 10    | 1/32" - 3/8" | 3/8"x24h M* | 33        | 50 | 60 | 270    |
| CL-10 R-1/2      | 1 - 10    | 1/32" - 3/8" | 1/2"x20h.   | 33        | 50 | 60 | 235    |
| CL-10 R-1/2 BL   | 1 - 10    | 1/32" - 3/8" | 1/2"x20h.   | 33        | 50 | 60 | 245    |
| CL-10 ATOR       | 1 - 10    | 1/32" - 3/8" | E-6,3       | 33        | 50 | 60 | 255    |
| CL-13 B-12       | 1,5 - 13  | 3/64" - 1/2" | B-12        | 43        | 59 | 73 | 360    |
| CL-13 B-16       | 1,5 - 13  | 3/64" - 1/2" | B-16        | 43        | 59 | 73 | 355    |
| CL-13 R-3/8      | 1,5 - 13  | 3/64" - 1/2" | 3/8"x24h    | 43        | 59 | 73 | 380    |
| CL-13 R-3/8 BL   | 1,5 - 13  | 3/64" - 1/2" | 3/8"x24h    | 43        | 59 | 73 | 390    |
| CL-13 R-3/8M*    | 1,5 - 13  | 3/64" - 1/2" | 3/8"x24h M* | 43        | 59 | 73 | 395    |
| CL-13 R-3/8M* BL | 1,5 - 13  | 3/64" - 1/2" | 3/8"x24h M* | 43        | 59 | 73 | 410    |
| CL-13 R-1/2      | 1,5 - 13  | 3/64" - 1/2" | 1/2"x20h.   | 43        | 59 | 73 | 375    |
| CL-13 R-1/2 BL   | 1,5 - 13  | 3/64" - 1/2" | 1/2"x20h.   | 43        | 59 | 73 | 385    |
| CL-13 R-5/8      | 1,5 - 13  | 3/64" - 1/2" | 5/8"x16h.   | 43        | 59 | 73 | 390    |
| CL-13 R-5/8 BL   | 1,5 - 13  | 3/64" - 1/2" | 5/8"x16h.   | 43        | 59 | 73 | 395    |
| CL-13 SDS PLUS   | 1,5 - 13  | 3/64" - 1/2" | SDS PLUS    | 43        | 59 | 73 | 420    |
| CL-16 B-16       | 3 - 16    | 1/8" x 5/8"  | B-16        | 54        | 66 | 85 | 685    |
| CL-16 B-18       | 3 - 16    | 1/8" x 5/8"  | B-18        | 54        | 66 | 85 | 685    |
| CL-16 R-1/2      | 3 - 16    | 1/8" x 5/8"  | 1/2"x20h.   | 54        | 66 | 85 | 685    |
| CL-16 R-5/8      | 3 - 16    | 1/8" x 5/8"  | 5/8"x16h.   | 54        | 66 | 85 | 695    |
| CL-16 SDS PLUS   | 3 - 16    | 1/8" x 5/8"  | SDS PLUS    | 54        | 66 | 85 | 730    |

## SDS

### Quick Change drill chuck for SDS drills

- Most suitable to fix SDS drills in percussion drilling machines.
- Quick Change system enabling production increase.



| MODEL       | MOUNT        | WEIGHT |
|-------------|--------------|--------|
| no.         | K            | gr.    |
| SDS-CONVERT | 12" x 20 UNF | 180    |

# ARBORS for Drill Chucks

**Taper Arbors: DIN-238 and JACOBS**  
**Threaded arbors: UNF**

- The arbor is an intermediary gripping element between the drill chuck (type CKS, SP and SPX) and the spindle of the machine.
- Llambrich arbors are totally hardened and precision ground, ensuring a close fit.
- Available in a wide range of DIN-238, JACOBS Morse tapers and UNF thread.
- Maximum concentricity.

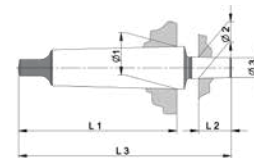


| MODEL   | TAPER |         | SIZES mm. |        |      |       |      |       | WEIGHT |
|---------|-------|---------|-----------|--------|------|-------|------|-------|--------|
| no.     | Morse | DIN-238 | Ø1        | Ø2     | Ø3   | L1    | L2   | L3    | gr.    |
| E-10/1  | 1     | 10      | 12,065    | 10,095 | 9,4  | 62    | 14,5 | 85    | 60     |
| E-12/1  | 1     | 12      | 12,065    | 12,065 | 11,1 | 62    | 18,5 | 89    | 66     |
| E-12/2  | 2     | 12      | 17,78     | 12,065 | 11,1 | 75    | 18,5 | 106   | 145    |
| E-12/3  | 3     | 12      | 23,825    | 12,065 | 11,1 | 94    | 18,5 | 126   | 305    |
| E-16/1  | 1     | 16      | 12,065    | 15,733 | 14,5 | 62    | 24   | 99    | 90     |
| E-16/2  | 2     | 16      | 17,78     | 15,733 | 14,5 | 75    | 24   | 111   | 170    |
| E-16/3  | 3     | 16      | 23,825    | 15,733 | 14,5 | 94    | 24   | 134   | 335    |
| E-16/4  | 4     | 16      | 31,267    | 15,733 | 14,5 | 117,5 | 24   | 158   | 650    |
| E-16/5  | 5     | 16      | 44,399    | 15,733 | 14,5 | 149,5 | 24   | 194   | 1.585  |
| E-18/1  | 1     | 18      | 12,065    | 17,78  | 16,2 | 62    | 32   | 96    | 105    |
| E-18/2  | 2     | 18      | 17,78     | 17,78  | 16,2 | 75    | 32   | 118   | 200    |
| E-18/3  | 3     | 18      | 23,825    | 17,78  | 16,2 | 94    | 32   | 140   | 355    |
| E-18/4  | 4     | 18      | 31,267    | 17,78  | 16,2 | 117,5 | 32   | 166,5 | 675    |
| E-18/5  | 5     | 18      | 44,399    | 17,78  | 16,2 | 149,5 | 32   | 202   | 1.605  |
| E-18c*1 | 1     | 18c*    | 12,065    | 17,42  | 16,2 | 62    | 23   | 86    | 90     |
| E-18c*2 | 2     | 18c*    | 17,78     | 17,42  | 16,2 | 75    | 23   | 108   | 185    |
| E-18c*3 | 3     | 18c*    | 23,825    | 17,42  | 16,2 | 94    | 23   | 131   | 325    |
| E-18c*4 | 4     | 18c*    | 31,267    | 17,42  | 16,2 | 117,5 | 23   | 158   | 650    |
| E-18c*5 | 5     | 18c*    | 44,399    | 17,42  | 16,2 | 149,5 | 23   | 189   | 1.570  |
| E-22/2  | 2     | 22      | 17,78     | 21,793 | 19,8 | 75    | 40,5 | 130   | 265    |
| E-22/3  | 3     | 22      | 23,825    | 21,793 | 19,8 | 94    | 40,5 | 147   | 410    |
| E-22/4  | 4     | 22      | 31,267    | 21,793 | 19,8 | 117,5 | 40,5 | 176   | 740    |
| E-22/5  | 5     | 22      | 44,399    | 21,793 | 19,8 | 149,5 | 40,5 | 213   | 1.665  |

| MODEL   | TAPER |        | SIZES mm. |        |      |       |      |     | WEIGHT |
|---------|-------|--------|-----------|--------|------|-------|------|-----|--------|
| no.     | Morse | JACOBS | Ø1        | Ø2     | Ø3   | L1    | L2   | L3  | gr.    |
| E-J0/1  | 1     | 0      | 12,065    | 6,35   | 5,8  | 62    | 11,1 | 80  | 50     |
| E-J1/1  | 1     | 1      | 12,065    | 9,754  | 8,5  | 62    | 16,7 | 84  | 56     |
| E-J2/1  | 1     | 2      | 12,065    | 14,199 | 12,4 | 62    | 22,2 | 91  | 80     |
| E-J3/1  | 1     | 3      | 12,065    | 20,599 | 19   | 62    | 31   | 101 | 135    |
| E-J6/1  | 1     | 6      | 12,065    | 17,17  | 15,9 | 62    | 25,4 | 95  | 100    |
| E-J33/1 | 1     | 33     | 12,065    | 15,85  | 14,2 | 62    | 25,4 | 95  | 95     |
| E-J1/2  | 2     | 1      | 17,78     | 9,754  | 8,5  | 75    | 16,7 | 101 | 136    |
| E-J2/2  | 2     | 2      | 17,78     | 14,199 | 12,4 | 75    | 22,2 | 106 | 155    |
| E-J3/2  | 2     | 3      | 17,78     | 20,599 | 19   | 75    | 31   | 113 | 206    |
| E-J6/2  | 2     | 6      | 17,78     | 17,17  | 15,9 | 75    | 25,4 | 107 | 170    |
| E-J33/2 | 2     | 33     | 17,78     | 15,85  | 14,2 | 75    | 25,4 | 107 | 165    |
| E-J1/3  | 3     | 1      | 23,825    | 9,754  | 8,5  | 94    | 16,7 | 120 | 290    |
| E-J2/3  | 3     | 2      | 23,825    | 14,199 | 12,4 | 94    | 22,2 | 126 | 310    |
| E-J3/3  | 3     | 3      | 23,825    | 20,599 | 19   | 94    | 31   | 132 | 360    |
| E-J6/3  | 3     | 6      | 23,825    | 17,17  | 15,9 | 94    | 25,4 | 129 | 330    |
| E-J33/3 | 3     | 33     | 23,825    | 15,85  | 14,2 | 94    | 25,4 | 127 | 310    |
| E-J4/3  | 3     | 4      | 23,825    | 28,55  | 26,3 | 94    | 42,1 | 142 | 495    |
| E-J5/3  | 3     | 5      | 23,825    | 35,89  | 33,4 | 94    | 47,6 | 150 | 640    |
| E-J2/4  | 4     | 2      | 31,267    | 14,199 | 12,4 | 117,5 | 22,2 | 151 | 630    |
| E-J3/4  | 4     | 3      | 31,267    | 20,599 | 19   | 117,5 | 31   | 161 | 690    |
| E-J6/4  | 4     | 6      | 31,267    | 17,17  | 15,9 | 117,5 | 25,4 | 155 | 650    |
| E-J33/4 | 4     | 33     | 31,267    | 15,85  | 14,2 | 117,5 | 25,4 | 155 | 640    |
| E-J4/4  | 4     | 4      | 31,267    | 28,55  | 26,3 | 117,5 | 42,1 | 170 | 810    |
| E-J5/4  | 4     | 5      | 31,267    | 35,89  | 33,4 | 117,5 | 47,6 | 175 | 1.000  |
| E-J3/5  | 5     | 3      | 44,399    | 20,599 | 19   | 149,5 | 31   | 192 | 1.580  |
| E-J4/5  | 5     | 4      | 44,399    | 28,55  | 26,3 | 149,5 | 42,1 | 200 | 1.700  |
| E-J5/5  | 5     | 5      | 44,399    | 35,89  | 33,4 | 149,5 | 47,6 | 210 | 1.920  |
| E-J6/5  | 5     | 6      | 44,399    | 17,17  | 15,9 | 149,5 | 25,4 | 185 | 1.540  |

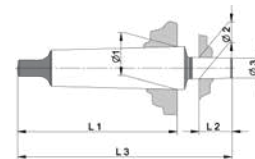
| MODEL     | MORSE | THREAD    | SIZES mm. |       |    |    |       |     | WEIGHT |
|-----------|-------|-----------|-----------|-------|----|----|-------|-----|--------|
| no.       | taper | UNF       | Ø1        | Ø2    | Ø3 | L1 | L2    | L3  | gr.    |
| E-MT2-3/8 | 2     | 3/8" x 24 | 17,78     | 9,28  | -  | 75 | 13,02 | 97  | 140    |
| E-MT2-1/2 | 2     | 1/2" x 20 | 17,78     | 12,52 | -  | 75 | 15,85 | 100 | 160    |
| E-MT2-5/8 | 2     | 5/8" x 16 | 17,78     | 15,86 | -  | 75 | 17,75 | 103 | 180    |

Arbors DIN-238 taper

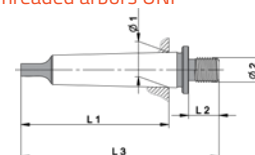


\* For SP, SPX and CKS,  
with shortered B18 taper

Arbors Jacobs taper



Threaded arbors UNF



## Drill SLEEVES

### DIN-2185

- Completely hardened and ground, both internally and externally.
- Wide range.

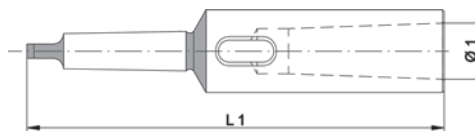


| MODEL<br>no. | MORSE TAPER |        | SIZES mm. |     | WEIGHT<br>gr. |
|--------------|-------------|--------|-----------|-----|---------------|
|              | outside     | inside | Ø1        | L1  |               |
| CR-2 x 1     | 2           | 1      | 12,065    | 92  | 100           |
| CR-3 x 1     | 3           | 1      | 12,065    | 99  | 220           |
| CR-3 x 2     | 3           | 2      | 17,78     | 112 | 190           |
| CR-4 x 1     | 4           | 1      | 12,065    | 124 | 535           |
| CR-4 x 2     | 4           | 2      | 17,78     | 124 | 460           |
| CR-4 x 3     | 4           | 3      | 23,825    | 140 | 405           |
| CR-5 x 1     | 5           | 1      | 12,065    | 156 | 1.700         |
| CR-5 x 2     | 5           | 2      | 17,78     | 156 | 1.520         |
| CR-5 x 3     | 5           | 3      | 23,825    | 156 | 1.360         |
| CR-5 x 4     | 5           | 4      | 31,267    | 171 | 950           |
| CR-6 x 2     | 6           | 2      | 17,78     | 219 | 4.300         |
| CR-6 x 3     | 6           | 3      | 23,825    | 219 | 4.100         |
| CR-6 x 4     | 6           | 4      | 31,267    | 219 | 3.600         |
| CR-6 x 5     | 6           | 5      | 44,39     | 219 | 2.550         |

## Extension SLEEVES

### DIN-2187

- Completely hardened and ground, both internally and externally.
- Wide range.



| MODEL<br>no. | MORSE TAPER |        | SIZES mm. |     | WEIGHT<br>gr. |
|--------------|-------------|--------|-----------|-----|---------------|
|              | outside     | inside | Ø1        | L1  |               |
| CP 1x1       | 1           | 1      | 12,065    | 145 | 190           |
| CP 1x2       | 1           | 2      | 17,78     | 160 | 400           |
| CP 2x1       | 2           | 1      | 12,065    | 160 | 290           |
| CP 2x2       | 2           | 2      | 17,78     | 175 | 500           |
| CP 2x3       | 2           | 3      | 23,825    | 196 | 600           |
| CP 3x1       | 3           | 1      | 12,065    | 175 | 410           |
| CP 3x2       | 3           | 2      | 17,78     | 194 | 620           |
| CP 3x3       | 3           | 3      | 23,825    | 215 | 890           |
| CP 3x4       | 3           | 4      | 31,267    | 240 | 1.550         |
| CP 4x1       | 4           | 1      | 12,065    | 200 | 810           |
| CP 4x2       | 4           | 2      | 17,78     | 215 | 1.000         |
| CP 4x3       | 4           | 3      | 23,825    | 240 | 1.270         |
| CP 4x4       | 4           | 4      | 31,267    | 265 | 1.930         |
| CP 4x5       | 4           | 5      | 44,39     | 300 | 3.180         |
| CP 5x1       | 5           | 1      | 12,065    | 232 | 1.790         |
| CP 5x2       | 5           | 2      | 17,78     | 247 | 2.000         |
| CP 5x3       | 5           | 3      | 23,825    | 268 | 2.270         |
| CP 5x4       | 5           | 4      | 31,267    | 300 | 2.930         |
| CP 5x5       | 5           | 5      | 44,39     | 335 | 4.180         |
| CP 6x4       | 6           | 4      | 31,267    | 355 | 5.180         |
| CP 6x5       | 6           | 5      | 44,39     | 390 | 6.430         |

## EJECTORS

### DIN-317

- Tempered steel.
- To eject Morse tapers arbors from sleeves or machine spindle.



| MODEL<br>no. | FOR MORSE TAPER | WEIGHT<br>gr. |
|--------------|-----------------|---------------|
|              | K               |               |
| CE 1 - 2     | 1, 2            | 40            |
| CE 2 - 3     | 2, 3            | 80            |
| CE 3 - 4     | 3, 4            | 160           |
| CE 4 - 5     | 4, 5            | 340           |
| CE 5 - 6     | 5, 6            | 620           |



# Revolving Lathe Centres

## For accurate work holding in conventional or CNC lathes

- Llambrich revolving lathe centres are of high precision, with a maximum run-out of 0.003 mm for Morse tapers no. 2, 3, 4 and 0.004 mm for Morse taper no. 5.
- Capable of bearing up to 1,000 kg workload and speeds of up to 5,000 rpm, according to the model.
- Fully hardened and precision ground.
- Standard or extended spindle configurations.
- Maintenance free.



### Model N

For a wide range of general turning work.

### Model C

Increases tool clearance and operator visibility for work on small parts or machining close to workpiece end.

### Model H

With centre bore 60° and metric taper point (1:20) that permits attachment of special purpose accessories.

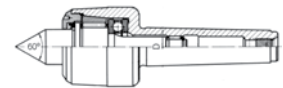
#### Note 1

The special purpose accessories are not supplied by Llambrich.

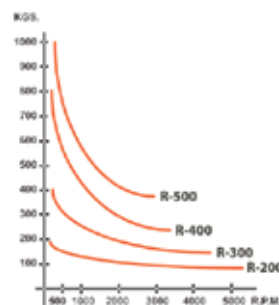
#### Note 2

Llambrich revolving lathe centres may reach temperatures of up to 80° C due to the fine adjustment of the bearings with the spindle.

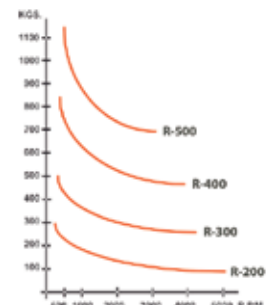
The use of needle bearings in the head and end of the turning axle, as well as the assembly of precision axial bearings, means that heavy duty work can be carried out with reduced body sizes.



| MODEL | MAXIMUM RUN-OUT |
|-------|-----------------|
| R-200 | 0,003 mm.       |
| R-300 | 0,003 mm.       |
| R-400 | 0,003 mm.       |
| R-500 | 0,004 mm.       |



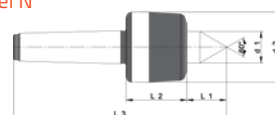
**RADIAL LOAD**  
2.000 hours tool life



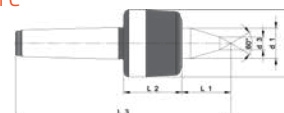
**AXIAL LOAD**  
2.000 hours tool life

| MODEL   | MORSE | LOAD FACTOR | SIZES mm. |    |    |    |    |     | WEIGHT |
|---------|-------|-------------|-----------|----|----|----|----|-----|--------|
| no.     | taper | kg.         | Ø1        | Ø2 | Ø3 | L1 | L2 | L3  | gr.    |
| R-200-N | 2     | 180         | 18        | 42 | -  | 24 | 35 | 128 | 430    |
| R-300-N | 3     | 400         | 22        | 49 | -  | 29 | 47 | 163 | 875    |
| R-400-N | 4     | 800         | 30        | 63 | -  | 35 | 52 | 196 | 1.505  |
| R-500-N | 5     | 1.750       | 33        | 85 | -  | 48 | 64 | 250 | 3.955  |
| R-300-C | 3     | 400         | 22        | 49 | 10 | 38 | 47 | 174 | 875    |
| R-400-C | 4     | 800         | 30        | 63 | 11 | 46 | 52 | 207 | 1.505  |
| R-500-C | 5     | 1.750       | 33        | 85 | 18 | 64 | 64 | 266 | 3.955  |
| R-300-H | 3     | 550         | 22        | 49 | -  | 47 | 47 | 163 | 905    |
| R-400-H | 4     | 900         | 24        | 63 | -  | 52 | 52 | 196 | 1.540  |
| R-500-H | 5     | 2.100       | 35        | 85 | -  | 64 | 64 | 250 | 4.035  |

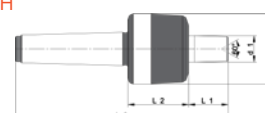
### Model N



### Model C



### Model H



# Revolving Lathe Centres

## With small casing diameter

- With small diameter for optimum accessibility.
- Additional bearings to compensate the axial load.
- Morse tapers hardened and ground.
- High concentricity.
- Lubricated for life, maintenance free.



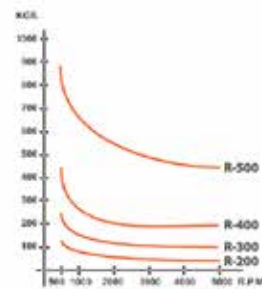
### Model RN

For a wide range of general turning work.

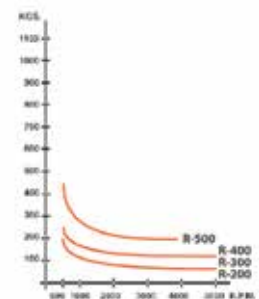
### Models RC & RE

Increases tool clearance and operator visibility for work on small parts or machining close to workpiece end.

| MODEL | MAXIMUM RUN-OUT |
|-------|-----------------|
| R-200 | 0,005 mm.       |
| R-300 | 0,005 mm.       |
| R-400 | 0,005 mm.       |
| R-500 | 0,008 mm.       |



**RADIAL LOAD**  
2.000 hours tool life



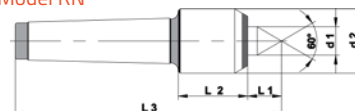
**AXIAL LOAD**  
2.000 hours tool life

| MODEL    | MORSE | LOAD FACTOR | SIZES mm. |    |    |    |    |     | WEIGHT |
|----------|-------|-------------|-----------|----|----|----|----|-----|--------|
| no.      | taper | kg.         | Ø1        | Ø2 | Ø3 | L1 | L2 | L3  | gr.    |
| R-200-RN | 2     | 200         | 15        | 32 | -  | 20 | 39 | 127 | 300    |
| R-300-RN | 3     | 400         | 15        | 34 | -  | 20 | 40 | 145 | 500    |
| R-400-RN | 4     | 800         | 20        | 43 | -  | 26 | 42 | 180 | 1.000  |
| R-500-RN | 5     | 1.200       | 30        | 58 | -  | 37 | 60 | 235 | 2.500  |

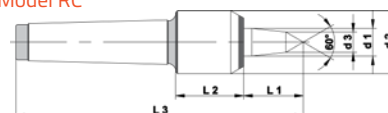
|          |   |       |    |    |    |    |    |     |       |
|----------|---|-------|----|----|----|----|----|-----|-------|
| R-200-RC | 2 | 150   | 15 | 32 | 8  | 30 | 39 | 137 | 300   |
| R-300-RC | 3 | 300   | 15 | 34 | 8  | 30 | 40 | 155 | 500   |
| R-400-RC | 4 | 700   | 20 | 43 | 10 | 36 | 42 | 190 | 1.000 |
| R-500-RC | 5 | 1.000 | 30 | 58 | 12 | 51 | 60 | 245 | 2.500 |

|          |   |     |    |    |    |    |    |     |       |
|----------|---|-----|----|----|----|----|----|-----|-------|
| R-200-RE | 2 | 130 | 15 | 32 | 6  | 30 | 39 | 137 | 300   |
| R-300-RE | 3 | 280 | 15 | 34 | 8  | 31 | 40 | 155 | 500   |
| R-400-RE | 4 | 650 | 20 | 43 | 10 | 38 | 42 | 190 | 1.000 |
| R-500-RE | 5 | 930 | 30 | 58 | 12 | 49 | 60 | 245 | 2.500 |

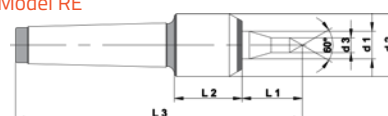
### Model RN



### Model RC



### Model RE



## Spare Parts for SP, SPX, SPS, NPU and HEXA Drill Chucks

| REFERENCE | FOR DRILL CHUCKS | SIZES      |
|-----------|------------------|------------|
| no.       | capacity (mm.)   | AxB mm.    |
| SP-01061  | 0 - 1,5          | 2 x 1,3    |
| SP-03061  | 0 - 3            | 2,5 x 1,5  |
| SP-06061  | 0 - 6,5          | 3,75 x 1,5 |
| SP-08062  | 0 - 8            | 4,4 x 2,5  |
| SP-10061  | 0 - 10           | 4,4 x 2,5  |
| SP-13062  | 1- 13            | 5 x 2,5    |
| SP-16062  | 3 - 16           | 5 x 2,5    |

| REFERENCE   | FOR DRILL CHUCKS        |
|-------------|-------------------------|
| no.         | model                   |
| SP-0105     | SP-1,5                  |
| SP-0305     | SP / NPU-03             |
| SP-0605     | SP / NPU-06             |
| SP-0805     | SP / SPX-08             |
| SP-1005     | SP / SPX-10             |
| SP-1305     | SP / SPX-13             |
| SP-1605     | SP / SPX-16             |
| NPU-0805    | NPU / SPS-08            |
| NPU-1005    | NPU / SPS-10            |
| NPU-1305*   | NPU* / SPS-13           |
| NPU-13051** | NPU-13**                |
| NPU-1605    | NPU / SPS-16            |
| SP-0104     | SP-1,5                  |
| SP-0304     | SP / NPU-03             |
| SP-0604     | SP / NPU-06             |
| SP-0804     | SP / SPX / SPS / NPU-08 |
| SP-1004     | SP / SPX / SPS / NPU-10 |
| SP-1304     | SP / SPX / SPS / NPU-13 |
| SP-1604     | SP / SPX / SPS / NPU-16 |
| PS-1304     | HX-13                   |
| PS-1604     | HX-16                   |
| SPX-0612    | SPX-06                  |
| SPX-0812    | SPX / SPS / NPU-08      |
| SPX-1012    | SPX / SPS / NPU-10      |
| SPX-1312    | SPX / SPS*** / NPU-13   |
| SPX-1612    | SPX / SPS / NPU-16      |
| HX-1012     | HX-10                   |
| HX-1312     | HX-13 / HX-16           |

\* P=3 mm.

\*\* P=2,25mm. (for models NPU-13 from May 2000)

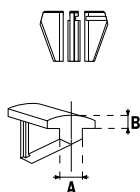
\*\*\*Ref. nos. SPS-13 MT-4, CIL-32 and R-8, require SPX-1612 wrench

## Accessories for CHUCK® Class Drill Chucks

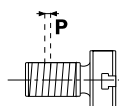
| REFERENCE | THREAD    | FITTING            |
|-----------|-----------|--------------------|
| no.       |           |                    |
| C - 51    | 3/8" x 24 | 3/8" x 24          |
| C - 52    | 3/8" x 24 | 1/2" x 20          |
| C - 53    | 1/2" x 20 | SDS - PLUS*        |
| C - 54    | 3/8" x 24 | Hex. 1/4" DIN-3126 |
| C - 56    | M6        | 1/2" x 20          |
| C - 57    | M5        | 3/8" x 24          |

\* C - 53 includes screw M6 left.

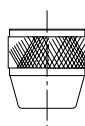
Jaws  
(set of 3)



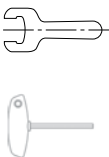
Screw



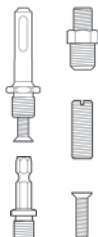
Hood



Wrenches



Adapters

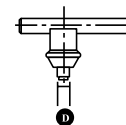


## Accessories for CHUCK® Class Drill Chucks

Keys for CL, CY, CBB, CSS and Hybrid drill chucks

| REFERENCE | D   | TEETH | FOR DRILL CHUCKS                                    |
|-----------|-----|-------|---|
| no.       | mm. | no.   | model   |
| S2/K34    | 6   | 12    | CL-13, CY-10  |
| S8/K30    | 6   | 10    | CBB-08  |
| S9/K32    | 6,3 | 10    | CBB-10  |
| S10/K3    | 8   | 11    | CL-16, CY-16, CBB13, CYX13, SPH-13, SPH-16 (Hybrid) |
| S13/K4    | 9,5 | 12    | CY-19, CBB-16, CBB-19, SPH-20                       |
| S14/KG    | 6   | 11    | CL-06, CL-10  |
| S17/K2    | 6,3 | 11    | CY-13, SPH-06, SPH-10                               |
| CK4       | 5,5 | 12    | CY-06   |
| K0        | 3,2 | 11    | CY-04   |
| K5        | 11  | 12    | CBB-25  |
| K0M       | 3,2 | 11    | CSS-04 GE   |
| K1M       | 4   | 11    | CSS-06 GE-DS  |
| K0T       | 3,2 | 11    | SPH-03  |
| K1T       | 4   | 11    | SPH-07  |
| K10M      | 5,5 | 12    | CSS-10  |

Key



STAINLESS  
STEEL

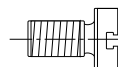
## Spare Parts for CKS Drill CHUCK® Chucks

| REFERENCE | FOR DRILL CHUCKS                      |
|-----------|---------------------------------------|
| no.       | model                                 |
| CKS-0406  | CKS-04                                |
| CKS-0686  | CKS-06                                |
| SP-08062  | CKS-08, CKS-10, CKS-13 <sup>(1)</sup> |
| SP-13062  | CKS-13 <sup>(2)</sup> , CKS-16        |
| SP-16062  | CKS-20                                |
| CKS-0405  | CKS-04                                |
| CKS-0605  | CKS-06                                |
| SP-1005   | CKS-08, CKS-10                        |
| CKS-13051 | CKS-13 <sup>(1)</sup>                 |
| SP-1305   | CKS-13 <sup>(2)</sup>                 |
| CKS-16051 | CKS-16                                |
| CKS-20051 | CKS-20                                |
| CKS-0404  | CKS-04                                |
| CKS-0684  | CKS-06                                |
| CKS-08041 | CKS-08, CKS-10 <sup>(1)</sup>         |
| CKS10041  | CKS-10 <sup>(2)</sup>                 |
| CKS-13041 | CKS-13 <sup>(2)</sup>                 |
| CKS-13042 | CKS-13 <sup>(1)</sup>                 |
| CKS-16041 | CKS-16                                |
| CKS-20041 | CKS-20                                |

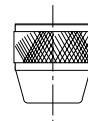
Jaws  
(set of 3)



Screw



Hood



<sup>(1)</sup> Drill chuck with thread mount UNF.

<sup>(2)</sup> Drill chucks with taper DIN or JACOBS.

# LLAMBRICH

*The world's most complete drill chuck program*



[www.llambrich.com](http://www.llambrich.com)

# LLAMBRICH

Since 1957

● **LLAMBRICH Precisión, S.L.**

Av. Mare de Déu de Bellvitge, 271-273  
E-08907 L'Hospitalet de Llobregat  
Barcelona - Spain

Tel. +34 93 264 96 23  
Fax +34 93 263 40 10

[www.llambrich.com](http://www.llambrich.com)  
[info@llambrich.com](mailto:info@llambrich.com)