

Quick-change chucks



QUICK-CHANGE CHUCKS

Jahrts

Operation

By raising the locking sleeve the two sets of balls are released and the different types of inserts can be inserted or removed from the chuck.

When the sleeve is pulled down the insert gets locked in position.

Tool change can occur with both stopped and running machine spindle.

Precision and stability

The design consists of a solid chuck body with an internal taper and locking sleeve. Two sets of three balls serve to lock the inserts.

The first set of balls locks the annular groove on the insert's taper and pulls the insert in axial direction, while the upper sets lock in three of the six semispherical recesses and transfers the torque.

Properties

- The inserts are absolutely stuck
- Runout accuracy better than 0,01 mm
- Minimum space required for changing tool thanks to the possibility of oblique insertion
- For both left- and right-handed tools.
- Works in any spindle position (vertical, horizontal etc.)



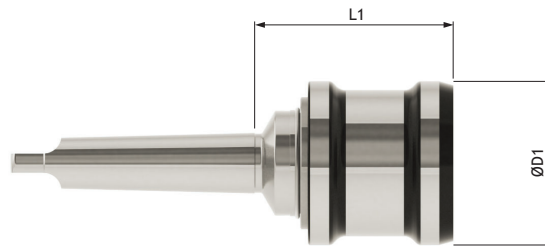
One-hand function - Model 80-4E

A variant of the chuck that has been simplified even further

- The insert is released as described above, by lifting the locking sleeve
- A new tool is applied with one hand since the return of the locking sleeve is done automatically

QUICK-CHANGE CHUCKS

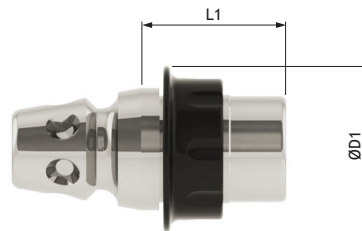
Jahrts



Jahrts Quick-Change Chuck

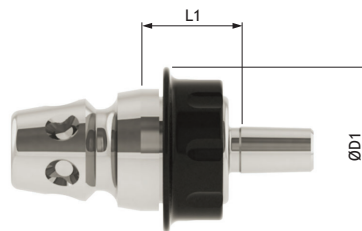
Jahrts model	Mount, taper	L mm	ØD mm	Art.no
80-3	Morse Taper 3	77	65	95143
80-3	Morse Taper 4	76	65	95145
80-4E	Morse Taper 4	93,5	83	95429
80-4E	Morse Taper 5	91	83	98220

* One-hand function



Jahrts Inserts for Morse Taper

Jahrts model	Internal taper	L mm	ØD mm	Art.no
80-3	Morse Taper 1	29	52	95164
80-3	Morse Taper 2	29	52	95165
80-3	Morse Taper 3	43	52	95166
80-4	Morse Taper 1	34	63	95167
80-4	Morse Taper 2	34	63	95168
80-4	Morse Taper 3	34	63	95169
80-4	Morse Taper 4	65	63	95170



Jahrts Inserts for chucks with internal B-taper

Jahrts model	External taper	L mm	ØD mm	Art.no
80-3	B16	33	52	95187
80-4	B16	38	63	95189