

TES SMA

NEW

PSC coolant tubes
acc. ISO 26623
or ISO 2402-1
also available



Coolant through devices



Made
In
Germany



TESMA

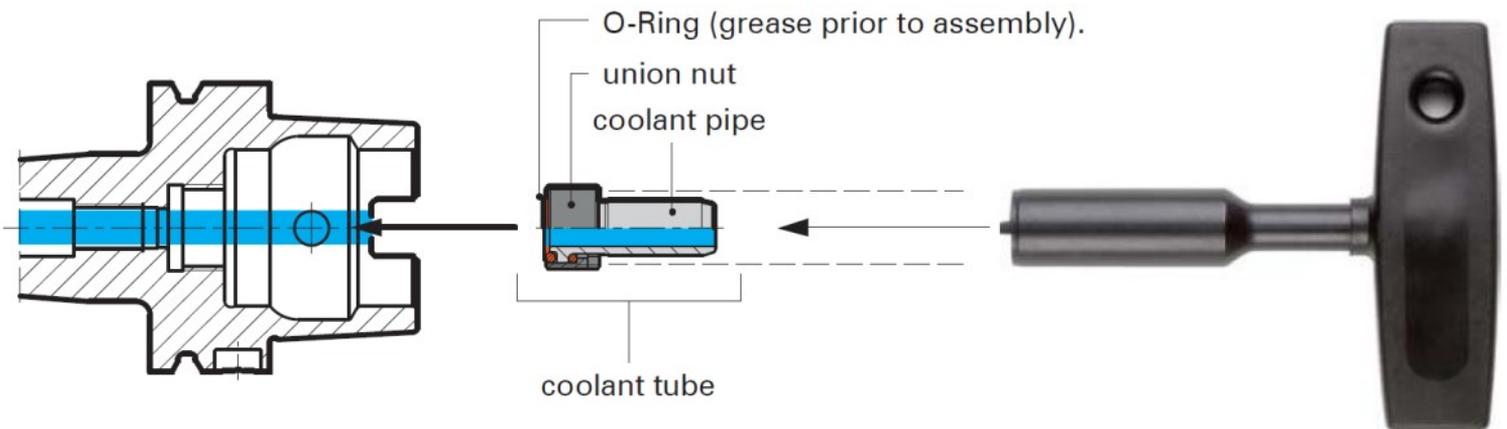


When machining with internal cooling, HSK holders form A must be equipped with a coolant tube. If holders with internal cooling are used without coolant transfer units, this can lead to damage to the spindle.

For DIN 69893 Form D, -E and -F coolant tubes are optional.

Ideally, the coolant tube should be installed vertically from bottom to top. This is to prevent the sealing ring from slipping or being displaced during screwing in and thus losing its sealing function.

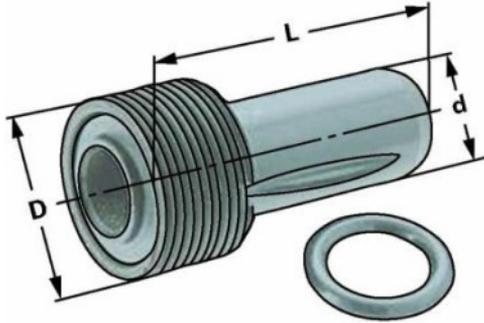
After installation, the coolant pipe is minimally movable ($\pm 1^\circ$) according to DIN.



Mounting

1. The HSK holder must be clean and free of chips and damage.
2. Grease the O-rings before assembly
3. Insert the complete coolant transfer kit (coolant tube, union nut and 2 O-rings) centrally into the HSK using the socket wrench.
4. Screw in the coolant transfer set/coolant transfer unit and tighten it firmly. (See table for torque).
5. Check the coolant pipe for radial movement.

Coolant tubes



art.no.	HSK	D	L	d	Nm
ct.ha032.001	32	M10x1	26	6	7
ct.ha040.001	40	M12x1	29,5	8	11
ct.ha050.001	50	M16x1	33	10	15
ct.ha063.001	63	M18x1	34,5	12	20
ct.ha080.001	80	M20x1,5	40	14	25
ct.ha100.001	100	M24x1,5	44	16	30
ct.ha125.001	125	M30x1,5	47,4	18	38

Coolant tube wrenches



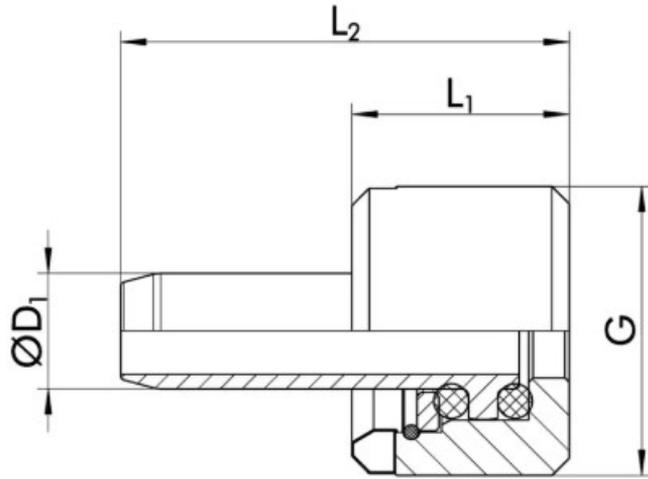
art.no.	HSK	Nm
ct.ha032.101	32	7
ct.ha040.101	40	11
ct.ha050.101	50	15
ct.ha063.101	63	20
ct.ha080.101	80	25
ct.ha100.101	100	30
ct.ha125.101	125	38

Coolant tube plugs

Threaded to fit HSK tool holders. Ideal for closing or sealing-off coolant-through on HSK tools, such as gauges or no-coolant tools.



art.no.	HSK
ct.ha032.010	32
ct.ha040.010	40
ct.ha050.010	50
ct.ha063.010	63
ct.ha080.010	80
ct.ha100.010	100
ct.ha125.010	125

PSC–Coolant Tubes ISO-26623


Art.Nr.	PSC	G	L2	D1
ct.ps032.001	32	M12x1,5	22,4	5
ct.ps040.001	40	M14x1,5	25,2	6
ct.ps050.001	50	M16x1,5	28,3	7
ct.ps063.001	63	M20x2	31	8
ct.ps080.001	80	M20x2	31,5	10

PSC–Wrenches ISO-26623


Art.Nr.	PSC
ct.ps032.101	32
ct.ps040.101	40
ct.ps050.101	50
ct.ps063.101	63
ct.ps080.101	80

Installation/removal of PSC coolant tubes ISO-26623

The installation side of the mounting device is required for installing the cooling lubricant tube in the tool holder. The removal side must be used to remove the coolant tube.

It is best to use Loctite 542 to seal and prevent loosening.



Assembly side

Disassembly side



Loctite 542 ring-shaped
onto the thread circumference
of the coolant tube and apply up
to the thread base

The end position of the coolant tube is reached when the wrench is rotated.

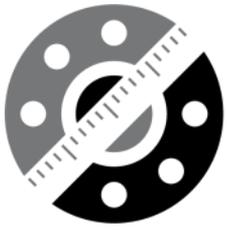
The O-ring should be checked regularly to ensure that it is intact.

The polygonal shank taper must have a central coolant channel so that coolant can escape.

The tool magazine and the machine spindle must be designed to accommodate tools with lubricoolant tubes.



**PSC coolant tubes
acc. to ISO 22402-1
Please request!**



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