

WTO

CoolSpeed[®] mini

Affordable ultra-high rotation speed
up to 75,000 RPM!

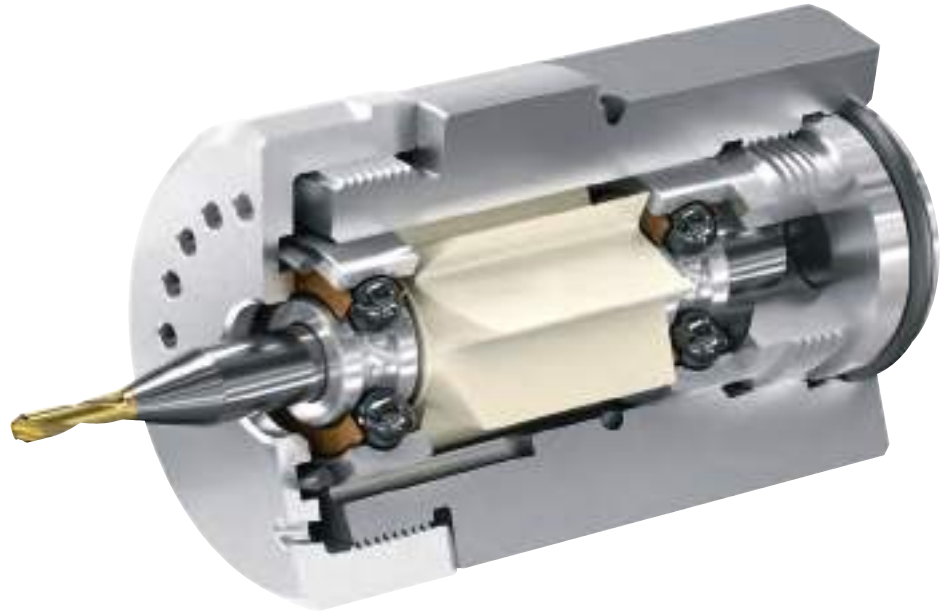
In operation:



Fits in standard tool holders
Best dynamic runout
Extended tool life

CoolSpeed® mini

Affordable ultra-high rotation speed
up to 75,000 RPM!



Max. RPM	75,000
Tool shank Ø	3 mm, 4 mm, 6 mm
Driven by	coolant, cutting oil, air mist
Coolant pressure	10-60 bar (145-870 PSI) for CoolSpeed® mini
Air mist pressure	4-5 bar (58-73 PSI) for CoolSpeed® mini Air



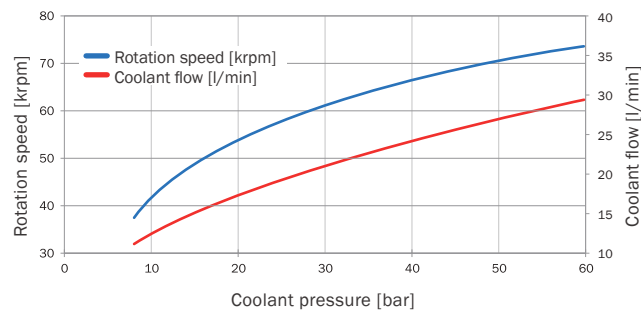
CoolSpeed® mini

CM-CE-F025-010-4-A (TBC1304)

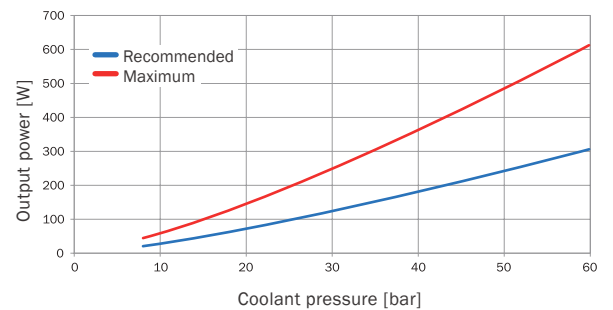
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	25 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



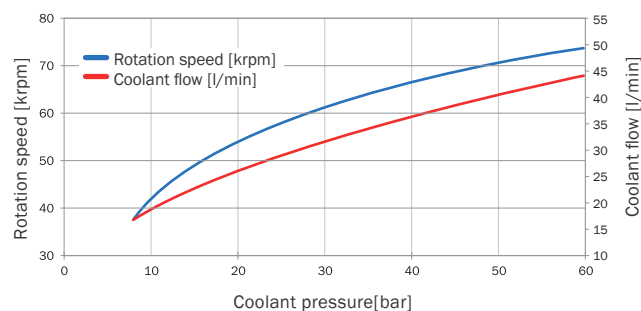
CoolSpeed® mini

CM-CE-F025-017-6-A (TBC1306)

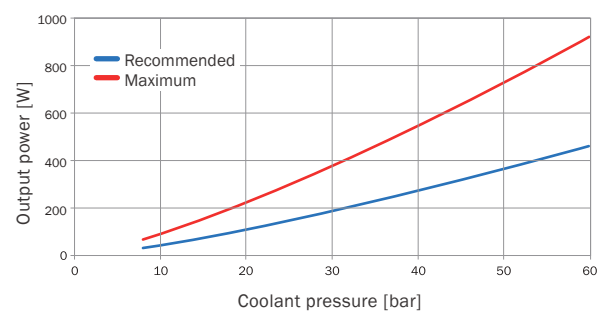
Max. RPM	75,000
Output power	500 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	25 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	16-45 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



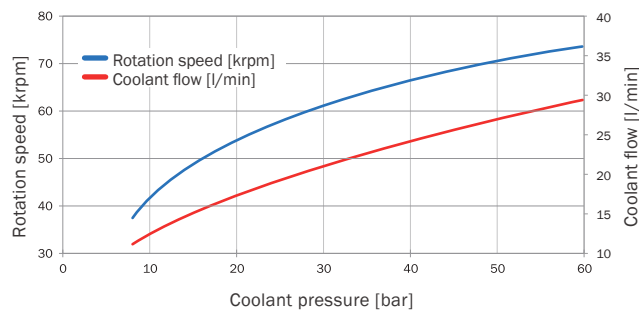
CoolSpeed® mini 90

CM-CI-R016-016-4-A (TBP1304)

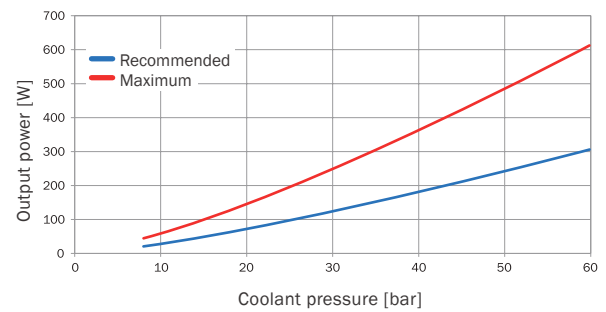
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	16 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



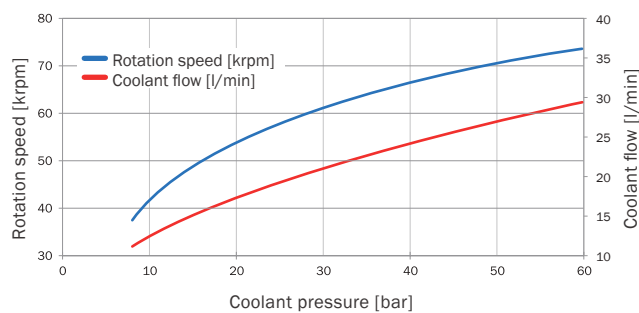
CoolSpeed® mini 90

CM-CI-R022-016-4-A (TBP1304.22)

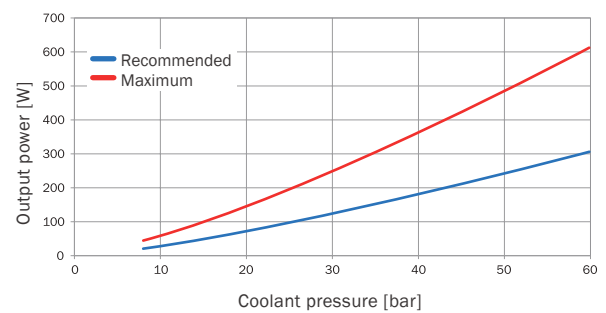
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	22 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



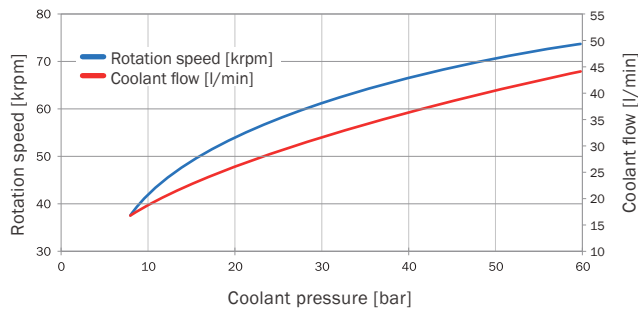
CoolSpeed® mini 90

CM-CI-R025-022-6-A (TBP1306)

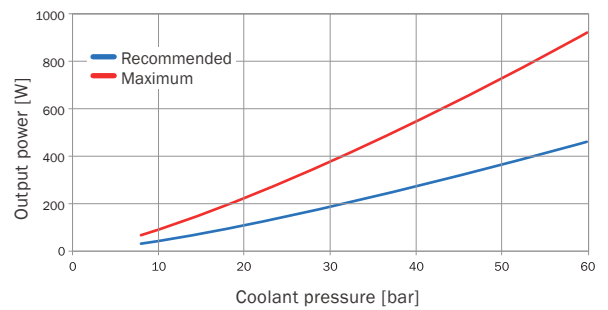
Max. RPM	75,000
Output power	500 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	25 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	16-45 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



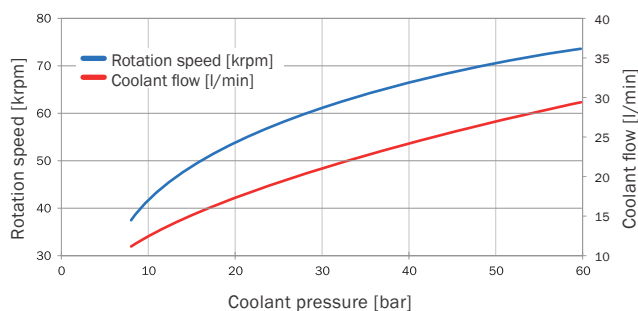
CoolSpeed® mini V

CM-CV-R016-040-4-A (TBV1304)

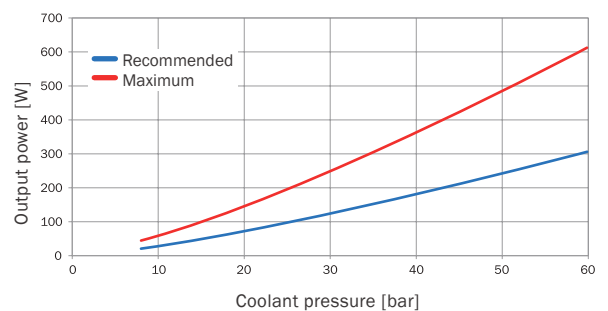
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	16 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



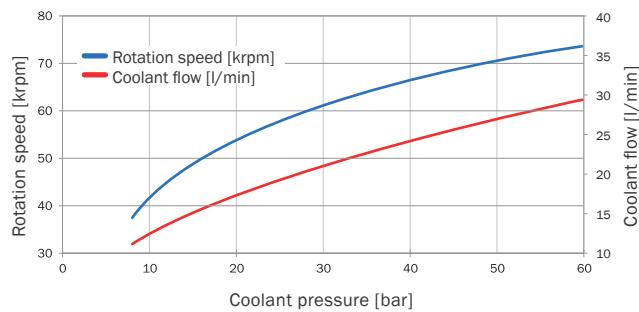
CoolSpeed® mini EX

CM-CE-R016-046-4-A (TBE1304.16)

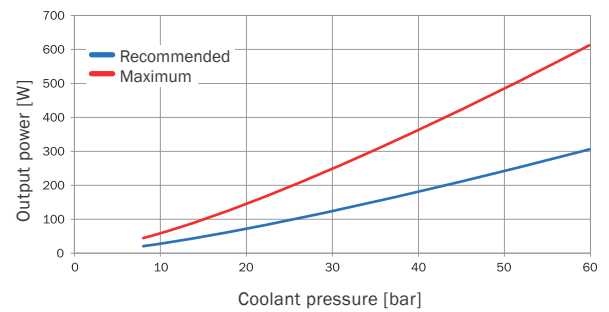
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	16 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



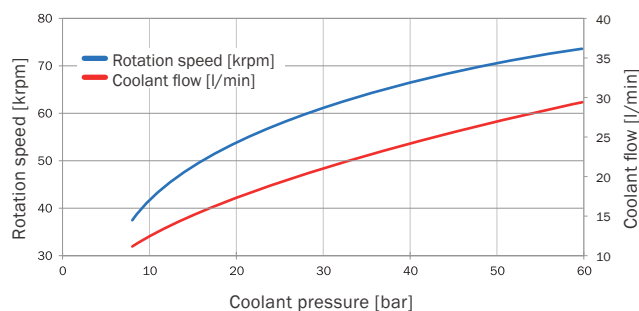
CoolSpeed® mini EX

CM-CE-R022-046-4-A (TBE1304.22)

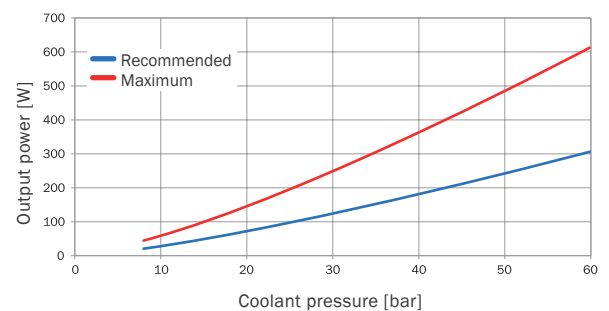
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	22 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



CoolSpeed® mini EX

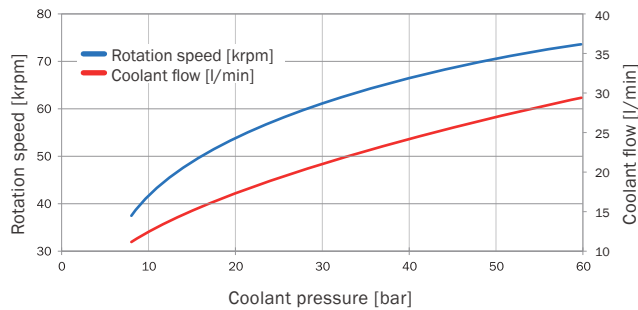
for Citizen Lathes

CM-CE-F075-043-4-A (TBS1304.1940)

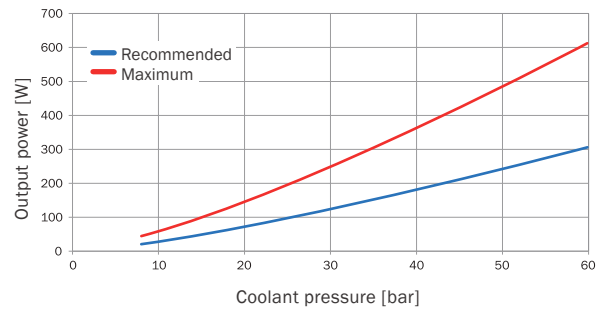
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	¾"
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



CoolSpeed® mini EX

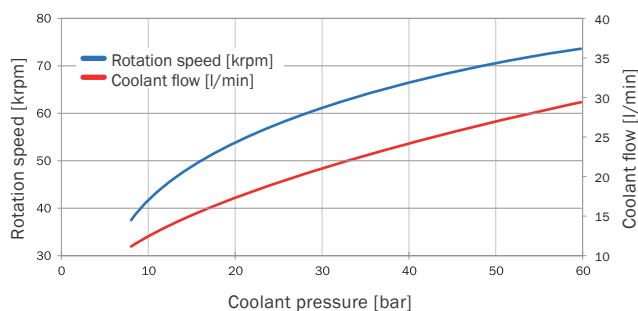
for Star Lathes

CM-CE-F022-043-4-A (TBS1304.2240)

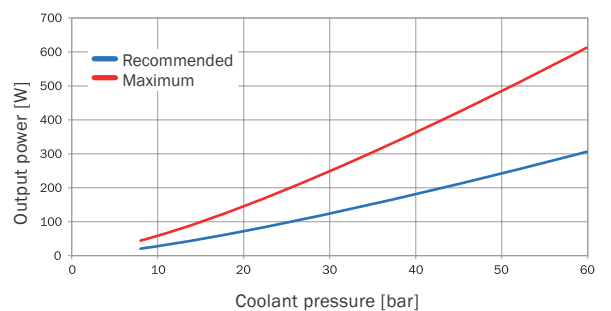
Max. RPM	75,000
Output power	300 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	22 mm
Driven by	coolant, cutting oil
Coolant pressure	10-60 bar (145-870 PSI)
Coolant flow	11-30 l/min



Rotation speed & Coolant flow/Coolant pressure



Output power/Coolant pressure



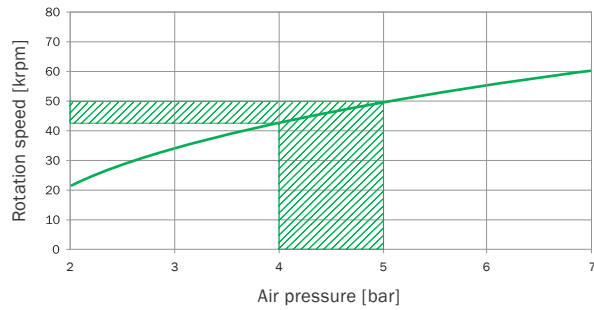
CoolSpeed® mini Air

CM-AE-F025-010-12-A (TGC1312)

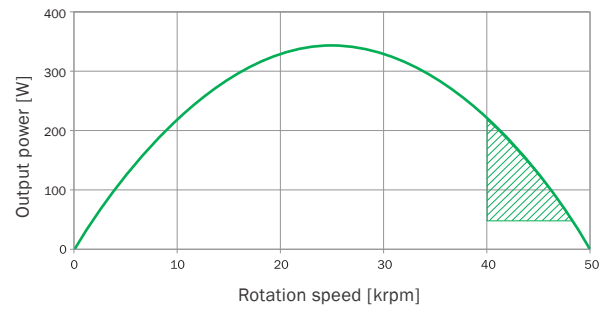
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	25 mm
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



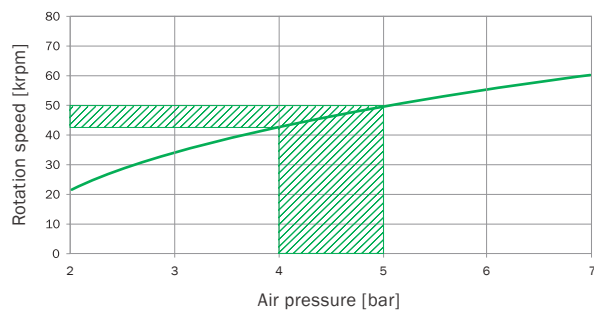
CoolSpeed® mini 90 Air

CM-AI-R016-016-12-A (TGP1312)

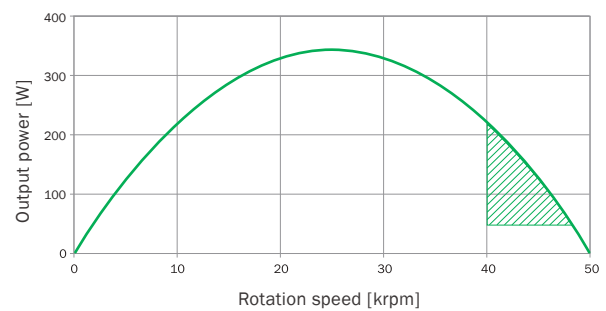
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	16 mm
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



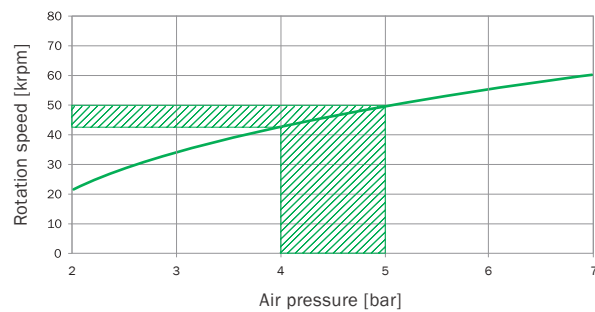
CoolSpeed® mini V Air

CM-AV-R016-040-12-A (TGV1312)

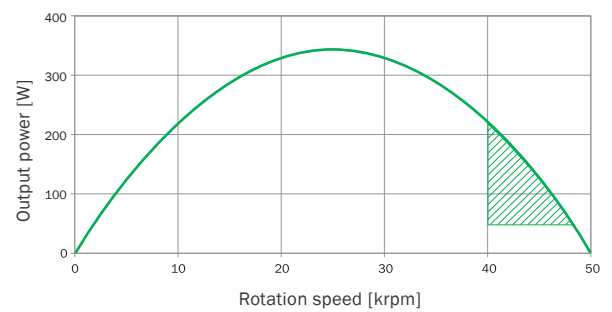
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	16 mm
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



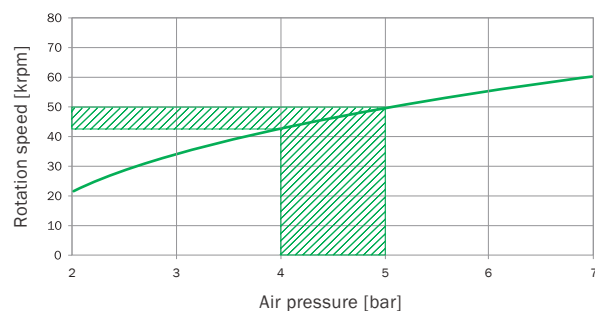
CoolSpeed® mini EX Air

CM-AE-R016-046-12-B (TGD1312)

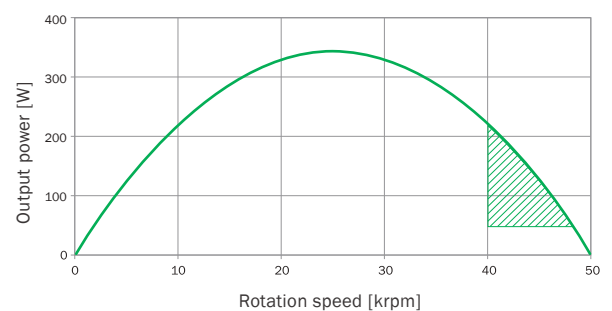
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	16 mm
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



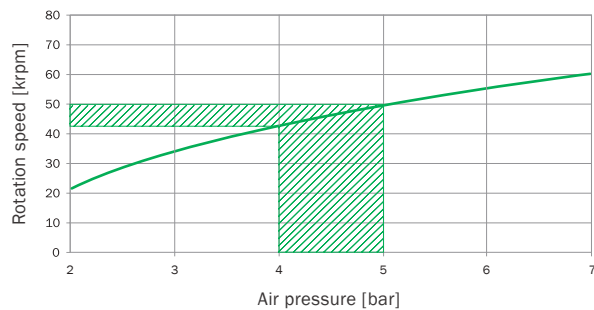
CoolSpeed® mini EX Air

CM-AE-R016-046-12-A (TGE1312.16)

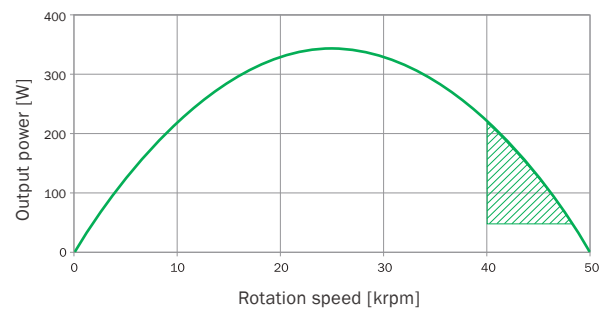
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	16 mm
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



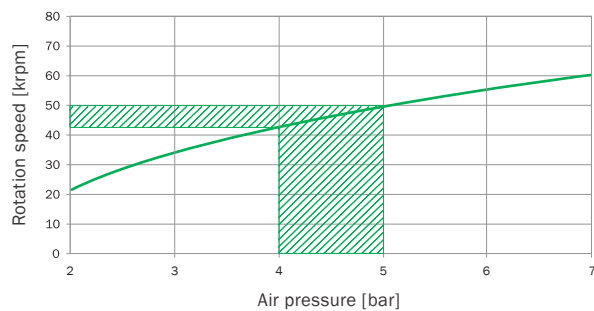
CoolSpeed® mini EX Air

CM-AE-R022-046-12-A (TGE1312.22)

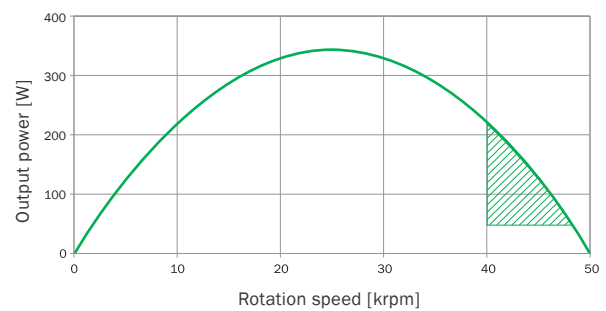
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	22 mm
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



CoolSpeed® mini EX Air

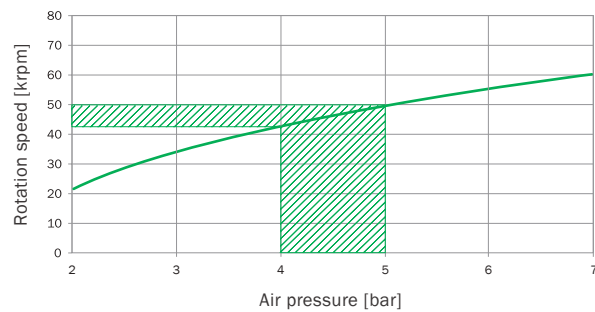
for Citizen Lathes

CM-AE-F075-043-12-A (TGS1312.1940)

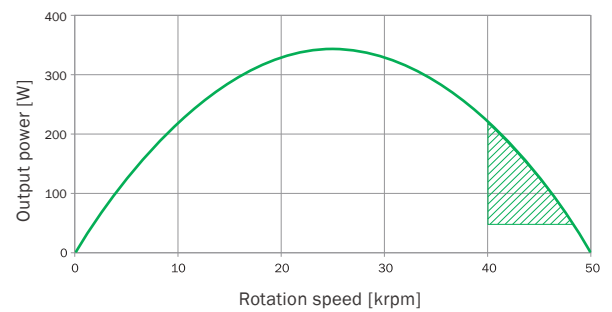
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	¾"
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



CoolSpeed® mini EX Air

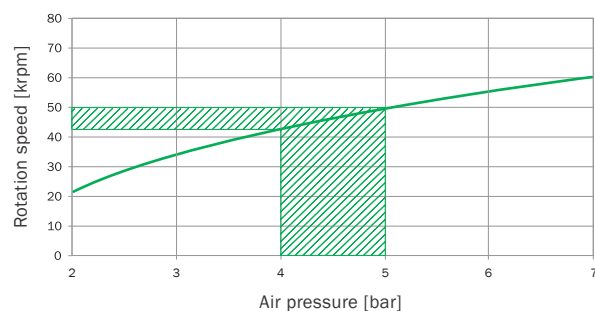
for Star Lathes

CM-AE-F022-043-12-A (TGS1312.2240)

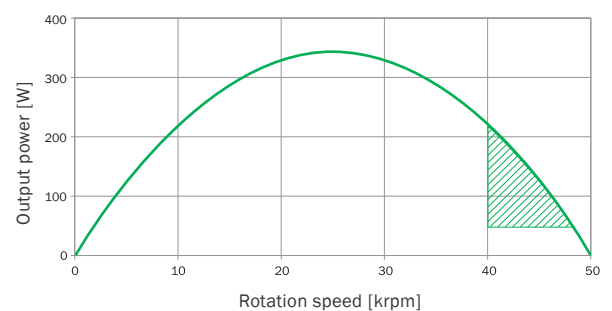
Max. RPM	55,000
Output power	200 W
Tool shank Ø	3 mm, 4 mm, 6 mm
Shaft Ø	22 mm
Driven by	air mist
Air mist pressure	4-5 bar (58-73 PSI)



Rotation speed/Air pressure



Output power/Rotation speed



CoolSpeed® mini

Replacement kit

(2 bearings, 1 turbine)

Ø3 mm	CM-SRK-030 (RK13M3)
Ø4 mm	CM-SRK-040 (RK13M4)
Ø6 mm	CM-SRK-060 (RK13M6)



CoolSpeed® mini

Assembly device

Ø3 mm	CM-SMD-030 (AK13M3)
Ø4 mm	CM-SMD-040 (AK13M4)
Ø6 mm	CM-SMD-060 (AK13M6)



CoolSpeed® mini

Adapter for pressure gauge

Ø16 mm	CM-SPA-R016-4-A
Ø22 mm	CM-SPA-R022-4-A
Ø25 mm	CM-SPA-R025-4-A
Ø25 mm	CM-SPA-R025-6-A
Ø¾"	CM-SPA-R075-4-A



CoolSpeed® mini

Starter Set

Ø3 mm CM-SKC-030-A

Ø4 mm CM-SKC-040-A

Ø6 mm CM-SKC-060-A

Includes:

- 1 CoolSpeed® mini
CM-CE-F025-010-4-A
- 3 Replacement kits
- 1 Assembly device
- 1 Adapter Ø25
- 1 Pressure gauge



CoolSpeed® mini

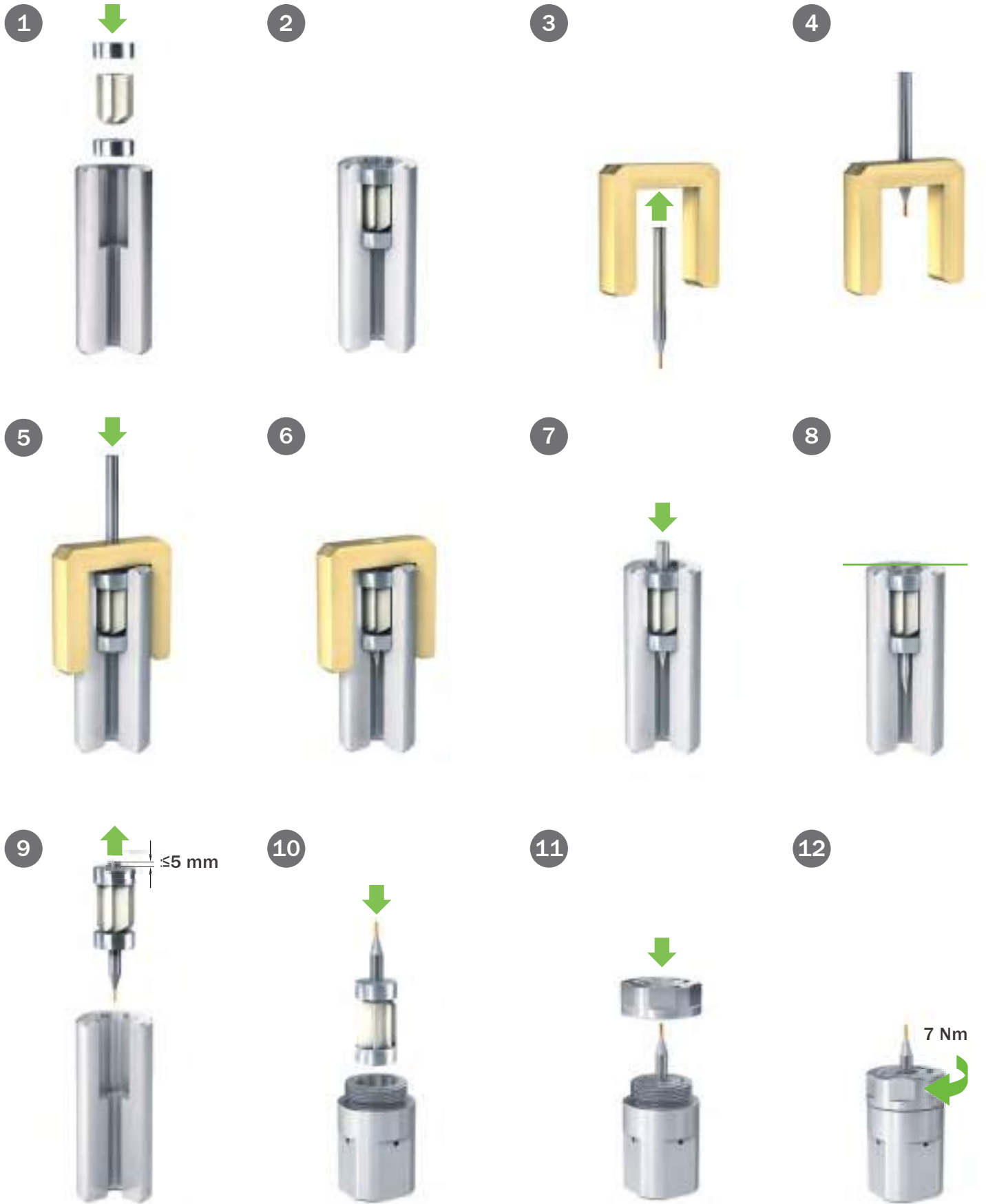
Pressure gauge

CM-SPG-60-A



CoolSpeed® mini

Assembly of cutting tool



CoolSpeed® mini

Recommended tool holder clamping

Hydraulic chuck



ER collet chuck – sealed



No side lock clamping!



CoolSpeed®

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USA
www.wto-usa.com



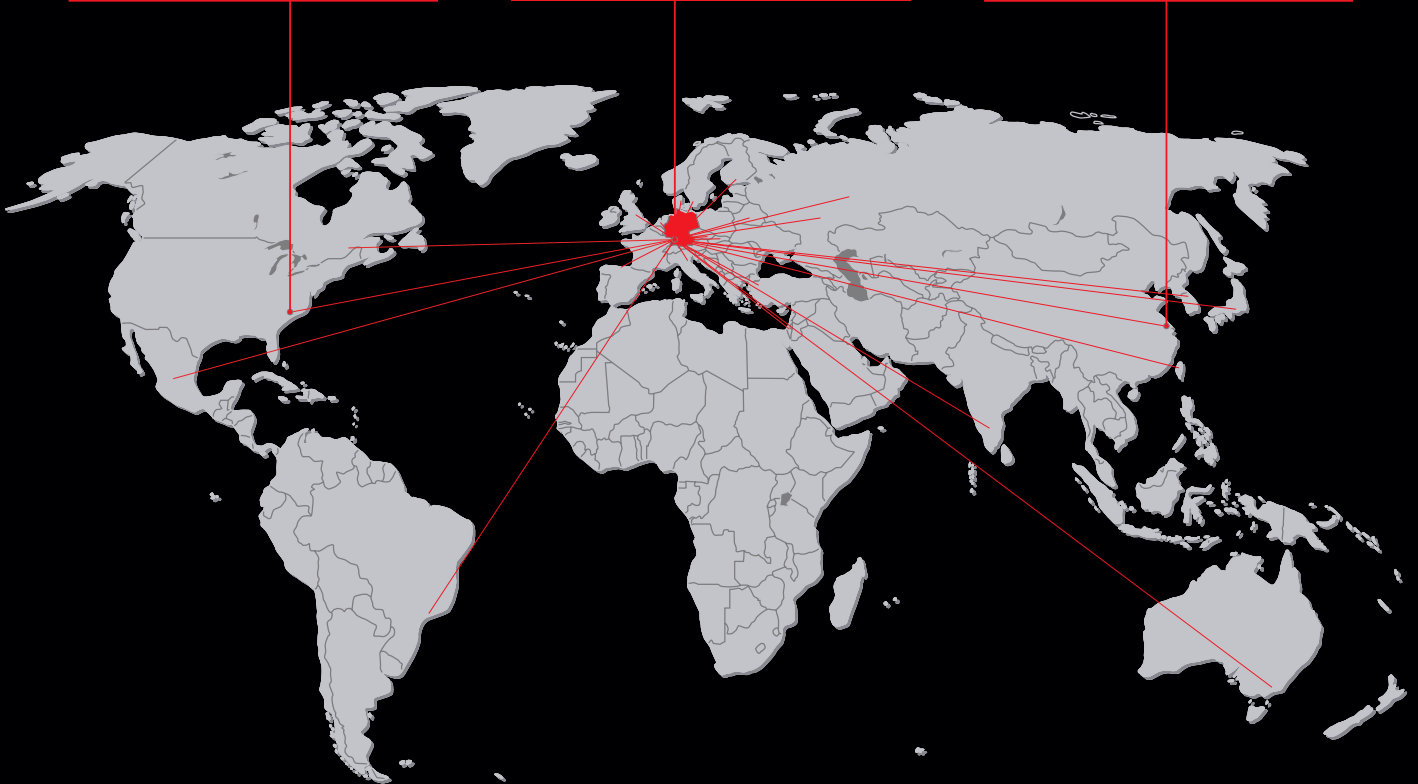
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