



powRgrip® PGS 48 **Automatic Clamping Unit for PG 48**

The automatic clamping unit for clamping large diameters

PG 48

With the PGS 48, shank diameters from 20 mm to 40 mm, respectively $\frac{3}{4}$ " to $1\frac{1}{2}$ ", can be clamped.

SECURE

All PG 48 toolholders are supplied with secuRgrip® nuts for maximum tool clamping force.

EFFICIENT

Quick, easy, and secure clamping of tools with large shank diameters.



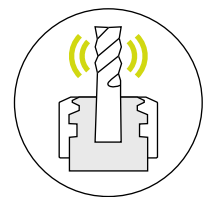
Process-safe clamping of tools
up to Ø 40 mm within 20 seconds



Low energy consumption for
clamping and unclamping large tools



Highest clamping force with
transferable torque up to 2'000 Nm



Best vibration damping thanks
to collet clamping technology

Superior Vibration Damping Thanks to Collet Clamping Technology

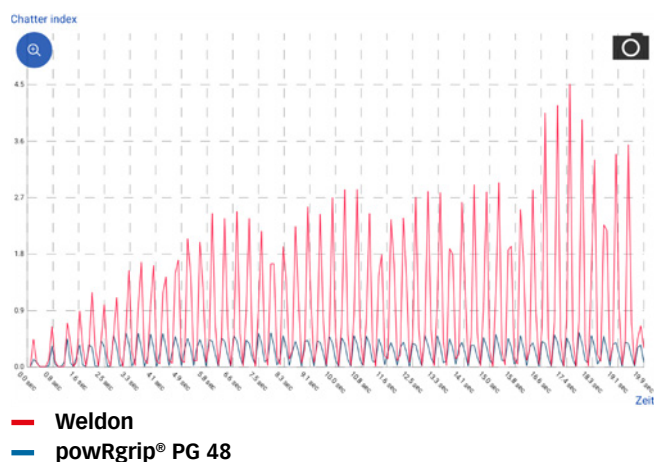
The vibration damping properties were evaluated in a comparative test on a Hermle C52 machining center. During dynamic slot milling, the powRgrip® PG 48 holder demonstrated significantly lower vibration tendencies compared to a Weldon holder. Improved damping is known to positively impact tool life, surface quality, and process stability. Reduced vibrations also relieve the machine spindle, contributing to extended machine life.

Test Environment

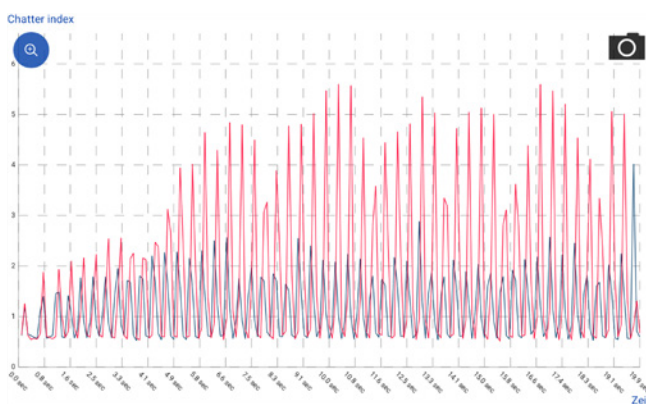
Machine	Hermle C52
Tool	End mill Ø 25 / Z5
Cooling	Dry / Air
Interface	HSK-A 100
Material	1.7225 (42CrMo4)



Vibrations on the **workpiece**
(Detected and visualized using REGO-FIX toolVibe®)



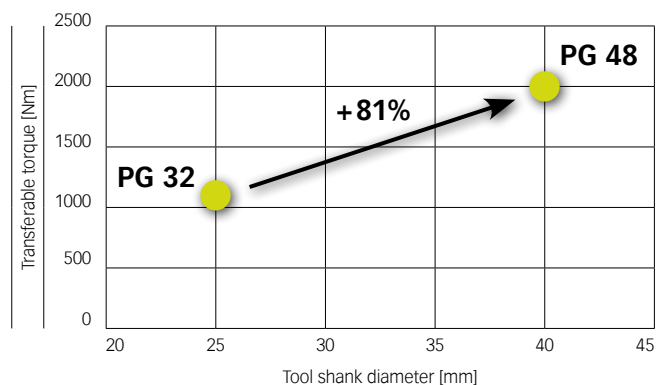
Vibrations on the **spindle**
(Detected and visualized using REGO-FIX toolVibe®)



High transferable torques

Transferable torque powRgrip®


PG 32 Ø 25 mm – PG 48 Ø 40 mm / Source: Internal Tests



powRgrip® PG 32



powRgrip® PG 48

Type	Part no.	V / Hz	Video
PGS Clamping unit			
PGS 48 E	7640.48000	Europe 230V / 50Hz	
PGS 48 A	7640.48100	USA 115V / 60Hz	
PGS 48 J	7640.48200	Japan 100V / 50-60Hz	



Type	Part no.	Nm
Toolholder		
BT 50 / PG 48-SG x 115	5150.74850	120
CAT 50 / PG 48-SG x 4"	5350.74851	120
SK 50 / PG 48-SG x 120	5250.74860	120
HSK-A 100 / PG 48-SG x 125	5500.74860	120
HSK-A 125 / PG 48-SG x 130	5502.74860	120

Additional interfaces, including REGO-PLUS BT+, CAT+, and SK+, are available on request.



Type [mm]	Part no.	Type [inch]	Part no.
Collets PG 48 Standard			
Ø 20.00 mm	1748.20000	Ø 3/4"	1748.19051
Ø 25.00 mm	1748.25000	Ø 1"	1748.25401
Ø 32.00 mm	1748.32000	Ø 1 1/4"	1748.31751
Ø 40.00 mm	1748.40000	Ø 1 1/2"	1748.38101

Collets PG 48-CF Coolant Flush			
Ø 20.00 mm	1748.20002	Ø 3/4"	1748.19053
Ø 25.00 mm	1748.25002	Ø 1"	1748.25403
Ø 32.00 mm	1748.32002	Ø 1 1/4"	1748.31753



PG Standard



PG-CF

Type	Part no.
Wrench head	
A-SG 48	7653.48000



Type	Part no.
Grip bar	
G-A	7655.99900
TORCO-FIX II (40.0-200.0 Nm)	7150.20200



G-A



TORCO-FIX



"Previously, we used Weldon holders for our tools. After switching to REGO-FIX PG 48 toolholders, we've experienced minimal vibrations and a substantial increase in tool life. We're thoroughly impressed with the PG 48 system!"

Roland Niggli, Head of Mechanics

Fertigungs-Center Zumbrunn AG is a Swiss company specializing in sheet metal and tube processing. It offers complete solutions from design and machining to ready-to-assemble components – including laser cutting, CNC bending, and robotic welding.

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