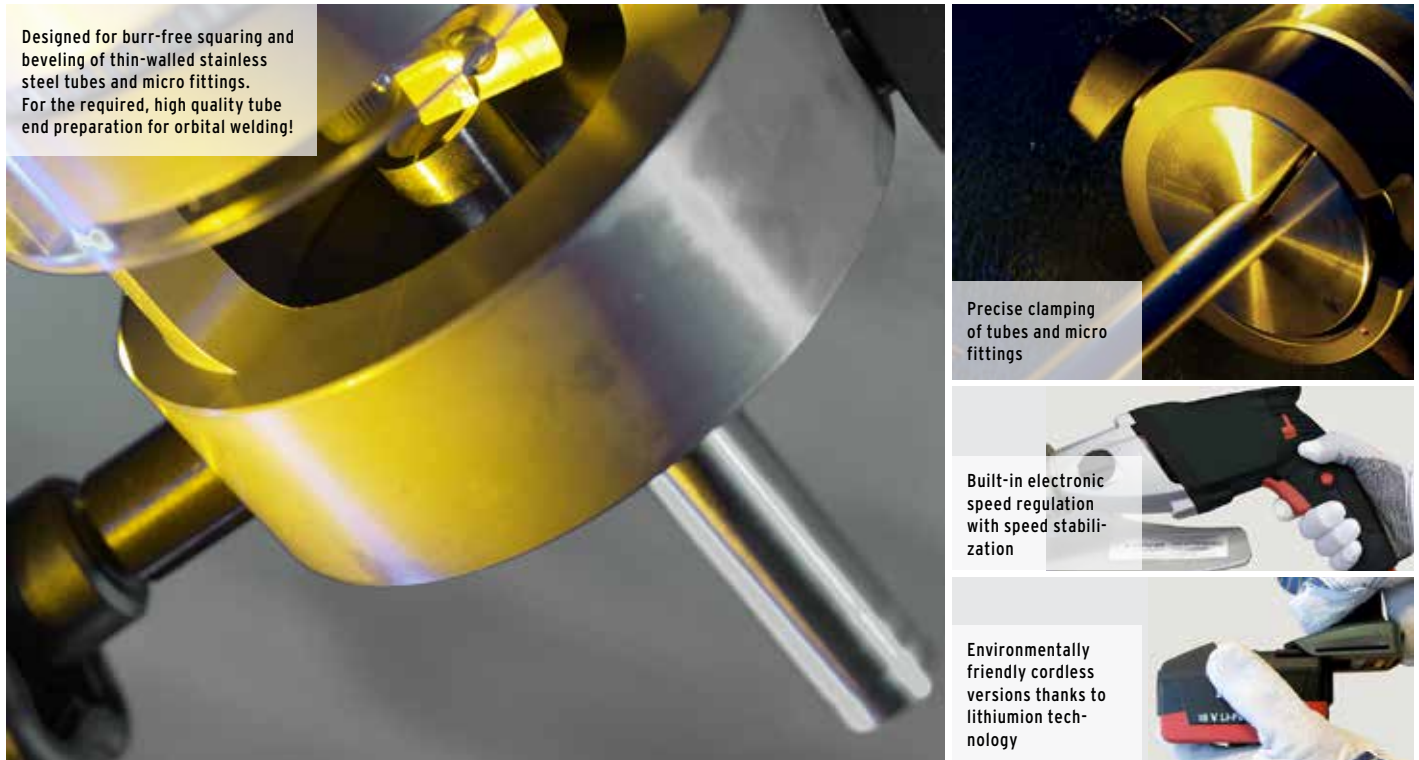


RPG ONE, RPG 1.5, RPG 2.5

Tube squaring machines (Electric/Cordless)

The RPG series represent ease of use and particularly economical clamping. The capabilities of our RPG range include squaring (I-seam) thin-walled stainless steel tubes and micro-fittings, as well as unalloyed and low-alloyed steels, aluminum and titanium. The machines fit excellently in the hand as their size and weight can hardly be surpassed. Users can select the appropriate clamping shells from the range of accessories for each diameter.



Designed for burr-free squaring and beveling of thin-walled stainless steel tubes and micro fittings. For the required, high quality tube end preparation for orbital welding!

Precise clamping of tubes and micro fittings

Built-in electronic speed regulation with speed stabilization

Environmentally friendly cordless versions thanks to lithiumion technology

Pipe and installation manufacturers from the high-purity gas, electronics, pharmaceuticals, food processing, beverages, solar and chemical industries benefit from the mobile, high-quality and burr-free processing of pipe ends.

Due to the quick tool change system, tools, clamping shells and tubes can be easily changed without using any additional equipment. All multifunctional tools (MFW) are two-sided tool bits with protective coating against tool wear. This enables the preparation of tubes made of high-alloy, unalloyed and low-alloy steels and aluminum with high precision very quickly and efficiently.

With the **cordless version**, we offer the optimal solution, which is independent of an electricity supply, for extending or repairing an existing plant with limited space availability. The cordless drive was designed to meet customer requirements.

The machines and accessories are supplied in a handy, durable storage and shipping case - the cordless versions additionally with a 230 V charger for the European market or a 120 V charger for the American market.

- Squaring tube ends with a high-quality finish
- Burr-free and square
- Beveling possible with a special tool holder
- Quick clamping system for tools, clamping shells and tubes
- Preparation of thin-walled stainless steel tubes (V4A) and micro fittings
- High-performance coated tool bit with two cutting edges
- Micrometer feed for optimum results
- No additional tools required for operation
- Space saving, light weight and portable machine for a mobile and secure application
- Modular design, ensuring compatibility within the RPG series

- The special adaptor clamping shell allows the RPG 2.5 to be used with the clamping shells for the RPG 1.5 machines.

ADDITIONAL FEATURES OF THE ELECTRIC VERSIONS:

- Machine with rotating/removable drive
- Built-in electronic speed regulation with speed stabilization: Vario-Tachometer-Constamatic (VTC) full wave electronics
- Restart protection to prevent the machine from starting in an uncontrolled way after it has been re-connected to the electric mains or after the voltage supply has been reestablished after a power failure
- RPM regulator
- Sturdy marathon motor
- Overload protection
- Shut-off carbon brushes
- Carbon wear indicator

ADDITIONAL FEATURES OF THE CORDLESS VERSIONS:

- Short design
- Lithium-ion technology
- Motor with high performance and small size
- No memory effect
- Single cell monitoring in the cordless pack
- Electronic overload protection with integrated temperature monitor
- Robust cordless packs with capacity display
- Minimal self-discharge
- Environmentally friendly
- AIR-COOLED technology for short charging times and a long service life

APPLICATION RANGE		RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Code	[230 V]	790 036 031	790 036 021	790 037 001	790 037 011	790 030 001	790 030 011
	[115 V]	-	790 036 022	-	790 037 012	-	790 030 012
	[120 V]	790 036 032	-	790 037 002	-	790 030 002	-
	[110 V]	790 036 033	-	790 037 003	-	790 030 003	-
Tube OD min.-max.	[mm]	3.0* - 25.4	3.0* - 25.4	3.0* - 38.1	3.0* - 38.1	3.0* - 65.0	3.0* - 65.0
	[inch]	0.118* - 1.0	0.118* - 1.0	0.118* - 1.5	0.118* - 1.5	0.118* - 2.559	0.118* - 2.559
Wall thickness max.	[mm]	3.0	3.0	3.0	3.0	3.0	3.0
	[inch]	0.118	0.118	0.118	0.118	0.118	0.118
Tube materials		High-alloy steels (stainless steel material no. 1.40... to 1.45... as per DIN 17455 and DIN 17456), unalloyed and low-alloy steels, aluminum.					
TECHNICAL DATA		RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Dimensions (lxwxh)	[mm]	390 x 70 x 200	261 x 80 x 255	400 x 160 x 350	275 x 90 x 255	500 x 170 x 300	260 x 320 x 300
	[inch]	15.4 x 2.8 x 7.9	10.3 x 3.2 x 10	15.8 x 6.3 x 13.8	10.8 x 3.5 x 10	19.7 x 6.7 x 11.8	10.2 x 12.6 x 11.8
Built-in electronic variable cutting speed	[rpm]	145 - 380	0 - 500	145 - 380	0 - 500	1. speed: 9 - 52 2. speed: 27 - 153	1. speed: 0 - 29 2. speed: 0 - 100
Power	[W]	1010	-	1010	-	1010	-
Voltage of rechargeable battery	[V]	-	18	-	18	-	18
Capacity	[Ah]	-	4.0	-	4.0	-	4.0
Noise level at the workplace (EN 23741)	[dB (A)]	approx. 78	approx. 78	approx. 78	approx. 78	approx. 78.2	approx. 78.2
Vibration level (EN 50144)	[m/s ²]	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
SCOPE OF DELIVERY		RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Tube squaring machine	Pc.	1	1	1	1	1	1
Durable storage and shipping case	Pc.	1	1	1	1	1	1
Rechargeable batteries	Pc.	-	2	-	2	-	2
Battery charger	Pc.	-	1	-	1	-	1
Overload protection (square nut)	Pc.	-	-	-	-	1	1
Tool holder WH (Code 790 ...)	Pc.	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)
Multifunctional tool MFW (Code 790 038 314)	Pc.	1	1	1	1	1	1
Adapter clamping shell (Code 790 030 094)	Pc.	-	-	-	-	1	1
Tool set	Set	1	1	1	1	1	1
Operating instructions and spare parts list	Set	1	1	1	1	1	1

Bench stand for cordless machines optional available (Code 790 037 169)

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.

* Application range with standard tool holder (Code 790 037 152) is from 6.0 mm/0.236" OD. With special tool holder (Code 790 037 161) 3.0 mm/0.118" OD is possible.



RPG ONE



RPG 1.5



RPG 2.5



RPG ONE Cordless



RPG 1.5 Cordless

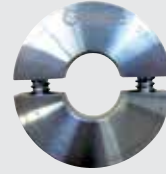


RPG 2.5 Cordless

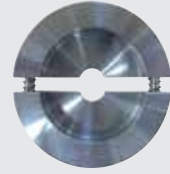
Stainless steel clamping shells

Extremely durable. Assures accurate centering and quick clamping shell change without any tools with its unique design and positive clamping shell mechanism. Further dimensions of clamping shells are available.

Please check the outer diameter of the tubes before ordering the clamping shells.



Stainless steel clamping shells



Stainless steel clamping shells for micro fittings

Machine model:	Clamping length at tubes:	Clamping length at micro fittings:
RPG ONE	10.0 mm (0.394")	4.0 mm (0.157")
RPG 1.5	15.0 mm (0.591")	4.0 mm (0.157")
RPG 2.5	15.0 mm (0.591")	4.0 mm (0.157")

MACHINE MODEL		RPG ONE				RPG 1.5				RPG 2.5			
TUBE OD		TUBES		MICRO FITTINGS		TUBES		MICRO FITTINGS		TUBES		MICRO FITTINGS	
[MM]	[INCH]	790...	KG	790...	KG	790...	KG	790...	KG	790...	KG	790...	KG
3.00	0.118	036 232	0.118	-	-	037 220	0.300	037 300	0.225	-	-	-	-
3.18	0.125	036 201	0.119	-	-	037 221	0.308	037 301	0.227	-	-	-	-
4.00	0.157	-	-	-	-	037 222	0.310	037 302	0.226	-	-	-	-
4.78	0.188	-	-	-	-	037 223	0.310	037 303	0.234	-	-	-	-
5.00	0.197	-	-	-	-	037 224	0.308	037 304	0.228	-	-	-	-
6.00	0.236	036 213	0.117	036 304	0.066	037 225	0.310	037 305	0.220	-	-	-	-
6.35	0.250	036 202	0.118	036 301	0.066	037 226	0.306	037 306	0.460	037 226	0.306	037 306	0.460
7.00	0.276	036 214	0.118	-	-	037 257	0.306	-	-	037 257	0.306	-	-
8.00	0.315	036 215	0.118	036 307	0.065	037 227	0.299	037 307	0.223	037 227	0.299	037 307	0.223
9.00	0.354	-	-	-	-	037 254	0.280	-	-	037 254	0.280	-	-
9.53	0.375	036 203	0.115	036 302	0.064	037 228	0.297	037 308	0.300	037 228	0.297	037 308	0.300
10.00	0.394	036 204	0.115	036 305	0.065	037 229	0.298	037 309	0.222	037 229	0.298	037 309	0.222
10.10	0.398	036 222	0.114	-	-	-	-	-	-	-	-	-	-
11.00	0.433	036 226	0.112	-	-	037 293	0.252	-	-	037 293	0.252	-	-
11.11	0.437	-	-	-	-	037 255	0.295	-	-	037 255	0.295	-	-
12.00	0.472	036 205	0.112	036 306	0.064	037 230	0.293	037 310	0.220	037 230	0.293	037 310	0.220
12.10	0.476	036 223	0.111	-	-	-	-	-	-	-	-	-	-
12.50	0.492	-	-	-	-	-	-	037 317	0.220	-	-	037 317	0.220
12.70	0.500	036 206	0.111	036 303	0.062	037 231	0.292	037 311	0.220	037 231	0.292	037 311	0.220
13.00	0.512	-	-	-	-	037 232	0.295	-	-	037 232	0.295	-	-
13.20	0.520	-	-	-	-	037 263	0.290	-	-	037 263	0.290	-	-
13.50	0.531	036 227	0.110	-	-	037 233	0.290	-	-	037 233	0.290	-	-
14.00	0.551	036 228	0.108	-	-	037 234	0.288	-	-	037 234	0.288	-	-
14.10	0.555	036 224	0.107	-	-	-	-	-	-	-	-	-	-
14.30	0.563	-	-	-	-	037 253	0.289	-	-	037 253	0.289	-	-
14.70	0.579	-	-	-	-	037 290	0.287	-	-	037 290	0.287	-	-
15.00	0.591	036 216	0.107	-	-	037 235	0.287	-	-	037 235	0.287	-	-
15.30	0.602	-	-	-	-	037 259	0.287	-	-	037 259	0.287	-	-
15.60	0.614	036 225	0.105	-	-	-	-	-	-	-	-	-	-
15.70	0.618	-	-	-	-	037 291	0.284	-	-	037 291	0.284	-	-
15.88	0.625	036 211	0.105	-	-	037 236	0.285	-	-	037 236	0.285	-	-
16.00	0.630	036 212	0.104	-	-	037 237	0.285	-	-	037 237	0.285	-	-
17.00	0.670	036 221	0.103	-	-	037 256	0.280	-	-	037 256	0.280	-	-
17.08	0.672	-	-	-	-	037 260	0.281	-	-	037 260	0.281	-	-
17.20	0.677	036 207	0.104	-	-	037 238	0.300	037 312	0.220	037 238	0.300	037 312	0.220
18.00	0.709	036 217	0.102	-	-	037 239	0.280	-	-	037 239	0.280	-	-
19.00	0.748	-	-	-	-	037 240	0.275	037 314	0.216	037 240	0.275	037 314	0.216
19.05	0.750	036 208	0.100	-	-	037 241	0.274	037 315	0.215	037 241	0.274	037 315	0.215
20.00	0.787	036 230	0.096	-	-	037 242	0.272	-	-	037 242	0.272	-	-
21.00	0.827	-	-	-	-	037 294	0.270	-	-	037 294	0.270	-	-
21.20	0.835	-	-	-	-	-	-	037 313	0.213	-	-	037 313	0.213
21.30	0.839	036 209	0.094	036 317	0.057	037 243	0.270	037 318	0.212	037 243	0.270	037 318	0.212
21.70	0.854	036 220	0.093	-	-	037 261	0.270	-	-	037 261	0.270	-	-
22.00	0.866	036 218	0.093	-	-	037 244	0.264	-	-	037 244	0.264	-	-
22.22	0.875	-	-	-	-	037 292	0.270	-	-	037 292	0.270	-	-
23.00	0.906	036 219	0.085	-	-	037 245	0.255	-	-	037 245	0.255	-	-
24.00	0.945	-	-	-	-	037 246	0.256	-	-	037 246	0.256	-	-
25.00	0.984	036 231	0.081	-	-	037 247	0.252	-	-	037 247	0.252	-	-
25.40	1.000	036 210	0.083	-	-	037 248	0.240	-	-	037 248	0.240	-	-

TUBE SQUARING TECHNOLOGY

MACHINE MODEL		RPG ONE						RPG 1.5						RPG 2.5					
TUBE OD		TUBES			MICRO FITTINGS			TUBES			MICRO FITTINGS			TUBES			MICRO FITTINGS		
[MM]	[INCH]	790...		KG	790...		KG	790...		KG	790...		KG	790...		KG	790...		KG
26.90	1.059	-		-	-		-	037 249		0.260	-		-	037 249		0.260	-		-
27.00	1.063	-		-	-		-	037 264		0.260	-		-	037 264		0.260	-		-
27.20	1.071	-		-	-		-	037 262		0.260	-		-	037 262		0.260	-		-
28.00	1.102	-		-	-		-	037 250		0.240	-		-	037 250		0.240	-		-
29.00	1.142	-		-	-		-	037 251		0.232	-		-	037 251		0.232	-		-
30.00	1.181	-		-	-		-	037 252		0.228	-		-	037 252		0.228	-		-
31.80	1.250	-		-	-		-	037 280		0.230	-		-	037 280		0.230	-		-
32.00	1.260	-		-	-		-	037 258		0.226	-		-	037 258		0.226	-		-
33.40	1.315	-		-	-		-	037 281		0.220	-		-	037 281		0.220	-		-
33.70	1.327	-		-	-		-	037 282		0.218	-		-	037 282		0.218	-		-
34.00	1.339	-		-	-		-	037 283		0.215	-		-	037 283		0.215	-		-
35.00	1.377	-		-	-		-	037 284		0.210	-		-	037 284		0.210	-		-
36.00	1.417	-		-	-		-	037 285		0.204	-		-	037 285		0.204	-		-
38.00	1.496	-		-	-		-	037 286		0.199	-		-	037 286		0.199	-		-
38.10	1.500	-		-	-		-	037 287		0.194	-		-	037 287		0.194	-		-
40.00	1.575	-		-	-		-	-		-	-		-	030 234		0.565	-		-
41.00	1.614	-		-	-		-	-		-	-		-	030 230		0.560	-		-
42.00	1.654	-		-	-		-	-		-	-		-	030 117		0.483	-		-
42.40	1.669	-		-	-		-	-		-	-		-	030 227		0.483	-		-
42.70	1.681	-		-	-		-	-		-	-		-	030 224		0.483	-		-
43.00	1.693	-		-	-		-	-		-	-		-	030 231		0.544	-		-
44.50	1.752	-		-	-		-	-		-	-		-	030 228		0.483	-		-
48.30	1.902	-		-	-		-	-		-	-		-	030 226		0.500	-		-
50.80	2.000	-		-	-		-	-		-	-		-	030 220		0.483	-		-
51.00	2.008	-		-	-		-	-		-	-		-	030 233		0.482	-		-
52.00	2.047	-		-	-		-	-		-	-		-	030 225		0.483	-		-
53.00	2.087	-		-	-		-	-		-	-		-	030 232		0.457	-		-
54.00	2.126	-		-	-		-	-		-	-		-	030 221		0.452	-		-
55.00	2.165	-		-	-		-	-		-	-		-	030 235		0.440	-		-
57.00	2.244	-		-	-		-	-		-	-		-	030 229		0.419	-		-
60.30	2.374	-		-	-		-	-		-	-		-	030 222		0.386	-		-
63.50	2.500	-		-	-		-	-		-	-		-	030 223		0.350	-		-
65.00	2.559	-		-	-		-	-		-	-		-	030 236		0.330	-		-



Tool holder WH

Tool holder WH

Fits multifunctional tool 790 038 314. Incl. Torx fixing screw M4x10 (790 086 220). For max. wall thickness 3 mm (0.118").

Application range Tool holder	Possible application		Beveling angle [°]	Recommended application range	Tube OD		
	Squaring	Beveling			RPG ONE (Cordless)	RPG 1.5 (Cordless)	RPG 2.5 (Cordless)
WH12-I/Standard* Code 790 037 152	x	-	-	[mm] 6.0 - 12.7 [inch] 0.236 - 0.5	6.0 - 25.4 0.236 - 1.0	6.0 - 38.1 0.236 - 1.5	6.0 - 65.0 0.236 - 2.559
WH12-I Code 790 037 161	x	-	-	[mm] 3.0 - 6.0 [inch] 0.118 - 0.236	3.0 - 6.0 0.118 - 0.236	3.0 - 6.0 0.118 - 0.236	3.0 - 6.0 0.118 - 0.236
WH12-I/Micro fittings** Code 790 037 156	x	-	-	[mm] [inch]	- -	3.0 - 21.2 0.118 - 0.84	6.35 - 21.2 0.25 - 0.84
WH3-V-30 Code 790 037 158	-	x	30°	[mm] [inch]	- -	max. 35.0 max. 1.378	max. 60.3 max. 2.374
WH3-V-35 Code 790 037 159	-	x	35°	[mm] [inch]	- -	max. 33.7 max. 1.327	max. 59.3 max. 2.335
WH3-V-45*** Code 790 037 157	-	x	45°	[mm] [inch]	- -	max. 33.7 max. 1.327	max. 59.0 max. 2.3

ARTICLE	CODE	KG
Standard tool holder WH12-I*	790 037 152	0.040
Special tool holder WH12-I	790 037 161	0.026
Special tool holder micro fittings WH12-I**	790 037 156	0.100
Tool holder WH3-V-30	790 037 158	0.024
Tool holder WH3-V-35	790 037 159	0.024
Tool holder WH3-V-45***	790 037 157	0.022

* Supplied as standard with the RPG.

** Only to be used with stainless steel clamping shells for micro fittings.

*** Not applicable with the RPG ONE.



Multifunctional tool MFW

Multifunctional tool MFW

Two-sided tool bit with protective coating against tool wear. Usable for all machines of the RPG series.

ARTICLE	QTY	CODE	KG
Multifunctional tool MFW-P-2	1	790 038 314	0.003
Multifunctional tool MFW-P-2	10	790 038 315	0.045
Torx screw	1	790 086 220	0.002

Other accessories

- Collapsible work bench, see page 82

RPG 4.5 (S), RPG 8.6

Tube squaring machines

In manual welding technology, quality pipe end processing is absolutely essential from an economic perspective. A high quality of pipe-end machining is absolutely required from a technical viewpoint in automated welding, the so-called "orbital welding". Orbitalum has developed the squaring tube machines RPG 4.5, RPG 4.5 S and RPG 8.6. The perfect solution for the demanding, quality preparation of pipe ends for orbital welding!



With high-precision, the user is able to prepare tubes with the RPG 4.5 up to 114.4 mm (4.5") and with the RPG 8.6 up to 219.1 mm (8.6") tube outer diameters quickly, burr-free and absolutely square.

Low operating costs for processing tubes are a big advantage. Our symmetric, exchangeable stainless steel and aluminum clamping shells (not for RPG 4.5 S) allow for a quick and easy tool change without any tool. A dimension change no longer requires a lot of time. The operator can work comfortably thanks to the ergonomic design of the machine, and can also save time.

All multifunctional tools (MFW) are two-sided tool bits with protective coating against tool wear. This enables the preparation of tubes made of high-alloy, unalloyed and low-alloy steels and aluminum with high precision very quickly and efficiently.

Clean and secure working area with a clear view of the cutting head.

The RPG 4.5 (S) and RPG 8.6 are equipped with a high-quality, powerful drive with 230 Volt and/ or 120 Volt.

The machines and accessories are supplied in a handy, durable storage and shipping case.

- Squaring tube ends with a high-quality finish
- Burr-free and square
- Beveling possible with a special tool holder (not with RPG 4.5 S)
- Quick clamping system for tools, clamping shells and tubes
- Preparation of thin-walled stainless steel tubes (V4A)
- High-performance coated tool bit with two cutting edges
- Built-in electronic speed regulation

- Micrometer feed for optimum results
- Space saving, light weight and portable machine for a mobile and secure application
- Machine with rotating/removable bench stand

ADDITIONAL FEATURES OF THE RPG 4.5 S:

The tube squaring machine RPG 4.5 S is characterized by its universal vice-clamping system. With this particularly economical alternative to other conventional dimension-specific clamping shells, tubes can be centered, clamped and processed in the easiest way possible.

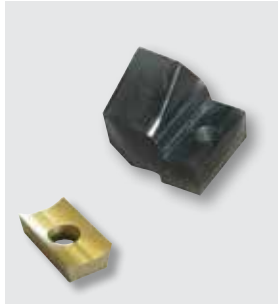
- Integrated clamping jaws made from coated cast aluminum for different tube diameters
- Cost-effective as no dimension-specific clamping shells required
- Multi-point clamping of the tube



Including durable storage and shipping case



Wide range of stainless steel clamping shells



Including tool holder WH and multifunctional tool MFW



Quick clamping system for tools, clamping shells and tubes



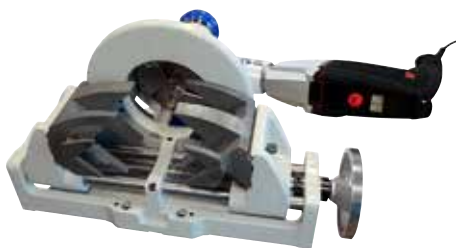
Application area: Process plant builders for the high-purity gas, electronic, pharmaceutical, food, beverage, solar as well as the chemical industry

APPLICATION RANGE		RPG 4.5	RPG 4.5 S	RPG 8.6
Code	[230 V]	790 038 001	790 038 011	790 039 001
	[110 V]	790 038 003	-	790 039 003
	[120 V]	790 038 002	790 038 012	790 039 002
Tube OD	[mm]	12.7 - 114.3	12.7 - 114.3	50.8 - 219.1
	[inch]	0.5 - 4.5	0.5 - 4.5	2 - 8.6
Wall thickness max.	[mm]	3.0	3.0	3.6
	[inch]	0.118	0.118	0.142
Tube materials	High-alloy steels. unalloyed and low-alloy steels and aluminum. Others on request.			
TECHNICAL DATA		RPG 4.5	RPG 4.5 S	RPG 8.6
Dimensions (including motor)	[mm]	460 x 260 x 230	610 x 380 x 270	500 x 350 x 350
	[inch]	18.1 x 10.2 x 9.1	24 x 15 x 10.6	19.7 x 13.8 x 13.8
Power	[W]	1010	1010	1010
Protection class	[class]	II	II	II
Speed (max. idling speed)	[min ⁻¹]	8 - 52	8 - 52	7 - 18
Vibration level (EN 60745)	[m/s ²]	< 2.5	< 2.5	< 2.5
Noise level at the workplace (EN 23741)	[dB (A)]	Idle running approx. 83	Idle running approx. 83	Idle running approx. 83
SCOPE OF DELIVERY		RPG 4.5	RPG 4.5 S	RPG 8.6
Tube squaring machine	Pc.	1	1	1
Durable storage and shipping case	Pc.	1	1	1
Tool holder WH (Code 790 038 320)	Pc.	1	1	1
Multifunctional tool MFW (Code 790 038 314)	Pc.	1	1	1
Tool set	Set	1	1	1
Operating instructions and spare parts list	Set	1	1	1

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.



RPG 4.5



RPG 4.5 S



RPG 8.6

Tube squaring machines

RPG 4.5, RPG 4.5 S, RPG 8.6

Features, application range, technical data and scope of delivery, see page 45.

Clamping shells must be ordered separately.

ARTICLE	VERSION	CODE	WEIGHT OF MACHINE KG	DISPATCH WEIGHT KG
RPG 4.5	230 V, 50/60 Hz EU	790 038 001	10.500	19.400
RPG 4.5	110 V, 50/60 Hz EU	790 038 003	10.500	19.400
RPG 4.5	120 V, 50/60 Hz US	790 038 002	10.500	19.400
RPG 4.5 S	230 V, 50/60 Hz EU	790 038 011	23.000	34.000
RPG 4.5 S	120 V, 50/60 Hz US	790 038 012	23.000	34.000
RPG 8.6	230 V, 50/60 Hz EU	790 039 001	20.500	32.000
RPG 8.6	110 V, 50/60 Hz EU	790 039 003	20.500	32.000
RPG 8.6	120 V, 50/60 Hz US	790 039 002	20.500	32.000



RPG 4.5



RPG 4.5 S



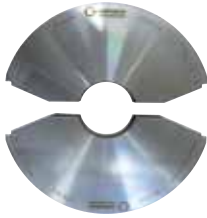
RPG 8.6

TUBE SQUARING TECHNOLOGY

Clamping shells

Extremely durable. The two-piece-design with click mechanism ensures accurate centering and quick clamping shell change without any tools. Further dimensions of clamping shells are available.

Please check the outer diameter of the tubes before ordering the clamping shells.



Stainless steel clamping shell for RPG 4.5



Aluminum clamping shells for RPG 8.6

Machine model:	Clamping lengths:
RPG 4.5	24.9 mm (0.980")
RPG 8.6	39.9 mm (1.571")

APPLICABLE WITH:		RPG 4.5			RPG 8.6		
TUBE OD		STAINLESS STEEL			ALUMINUM		
[MM]	[INCH]	CODE		KG	CODE		KG
12.00	0.472	790 038 454		2.170	-		-
12.70	0.500	790 038 438		2.177	-		-
13.00	0.512	790 038 439		2.176	-		-
13.50	0.531	790 038 440		2.175	-		-
14.00	0.551	790 038 441		2.174	-		-
16.00	0.630	790 038 442		2.168	-		-
17.20	0.677	790 038 443		2.164	-		-
18.00	0.709	790 038 444		2.161	-		-
19.00	0.748	790 038 445		2.150	-		-
19.05	0.750	790 038 446		2.157	-		-
20.00	0.787	790 038 447		2.153	-		-
21.30	0.839	790 038 448		2.100	-		-
22.00	0.866	790 038 449		2.144	-		-
22.22	0.875	790 038 050		2.195	-		-
23.00	0.906	790 038 450		2.140	-		-
24.00	0.945	790 038 451		2.133	-		-
25.00	0.984	790 038 452		2.127	-		-
25.25	0.994	790 038 049		2.180	-		-
25.40	1.000	790 038 051		2.180	-		-
26.90	1.059	790 038 400		2.090	-		-
27.20	1.071	790 038 468		2.165	-		-
28.00	1.102	790 038 401		2.110	-		-
29.00	1.142	790 038 402		2.105	-		-
30.00	1.181	790 038 403		2.095	-		-
31.75	1.250	790 038 052		1.865	-		-
31.80	1.250	790 038 404		2.080	-		-
32.00	1.260	790 038 455		2.080	-		-
33.00	1.299	790 038 465		2.120	-		-
33.40	1.315	790 038 405		2.040	-		-
33.70	1.327	790 038 406		2.060	-		-
34.00	1.339	790 038 407		2.115	-		-
35.00	1.377	790 038 408		2.050	-		-
36.00	1.417	790 038 409		2.044	-		-
38.00	1.496	790 038 410		2.025	-		-
38.10	1.500	790 038 053		2.020	-		-
40.00	1.575	790 038 411		2.000	-		-
41.00	1.614	790 038 412		1.990	-		-
42.00	1.654	790 038 413		1.976	-		-
42.16	1.660	790 038 414		1.950	-		-
42.40	1.669	790 038 415		1.965	-		-
42.70	1.681	790 038 416		1.950	-		-
44.45	1.750	790 038 417		1.955	-		-
44.50	1.752	790 038 418		1.955	-		-
45.00	1.772	790 038 419		1.948	-		-
48.00	1.890	790 038 464		1.960	-		-
48.26	1.900	790 038 420		1.880	-		-
48.30	1.902	790 038 421		1.905	-		-
48.60	1.913	790 038 422		1.875	-		-
50.00	1.969	790 038 456		1.880	-		-
50.80	2.000	790 038 054		1.895	790 039 260		4.500
51.00	2.008	790 038 423		1.870	-		-
52.00	2.047	790 038 424		1.850	-		-

APPLICABLE WITH:		RPG 4.5			RPG 8.6		
TUBE OD		STAINLESS STEEL			ALUMINUM		
[MM]	[INCH]	CODE		KG	CODE		KG
53.00	2.087	790 038 425		1.835	-		-
54.00	2.126	790 038 426		1.827	-		-
57.00	2.244	790 038 457		1.780	790 039 265		4.000
60.00	2.362	790 038 469		1.780	-		-
60.30	2.374	790 038 427		1.700	-		-
60.45	2.380	790 038 428		1.726	-		-
60.50	2.382	790 038 429		1.695	-		-
63.00	2.480	790 038 461		1.725	-		-
63.50	2.500	790 038 055		1.670	-		-
65.00	2.559	790 038 463		1.700	-		-
70.00	2.756	790 038 430		1.545	-		-
73.03	2.875	790 038 453		1.460	-		-
73.15	2.880	790 038 431		1.482	-		-
75.00	2.953	790 038 462		1.490	-		-
76.10	2.996	790 038 432		1.420	-		-
76.20	3.000	790 038 056		1.420	790 039 261		4.200
76.30	3.004	790 038 433		1.390	-		-
80.00	3.150	790 038 466		1.390	790 039 308		-
85.00	3.346	790 038 434		1.220	-		-
85.90	3.382	790 038 435		1.124	-		-
88.90	3.500	790 038 057		1.130	790 039 264		4.000
89.10	3.508	790 038 436		1.100	-		-
90.00	3.543	790 038 467		1.150	-		-
101.60	4.000	790 038 058		0.800	790 039 252		3.800
104.00	4.094	790 038 437		0.740	790 039 309		2.500
108.00	4.252	790 038 458		0.620	790 039 266		3.750
114.30	4.500	790 038 059		0.435	790 039 256		3.500
127.05	5.002	-		-	790 039 262		3.420
133.00	5.236	-		-	790 039 267		2.980
139.70	5.500	-		-	790 039 259		3.100
141.30	5.563	-		-	790 039 257		2.900
152.40	6.000	-		-	790 039 253		2.700
159.00	6.260	-		-	790 039 268		2.500
168.30	6.625	-		-	790 039 254		2.300
193.70	7.626	-		-	790 039 269		3.500
197.00	7.756	-		-	790 039 263		1.530
203.20	8.000	-		-	790 039 258		1.350
219.10	8.625	-		-	790 039 255		0.600

Tool holder WH

Fits multifunctional tool 790 038 314.
Incl. Torx fixing screw M4x10 (790 086 220).

Beveling with the RPG 4.5 S is not recommended.



Tool holder WH

Application range Tool holder	Possible application		Beveling angle [°]
	Squaring	Beveling	
Tool holder WH12-I	x	-	-
Tool holder WH12-V-30°	-	x	30
Tool holder WH12-V-35°	-	x	35
Tool holder WH12-V-45°	-	x	45
Tool holder WH12-U-20°	-	x	20

ARTICLE	CODE	KG
Tool holder WH12-I	790 038 320	0.025
Tool holder WH12-V-30°	790 038 329	0.034
Tool holder WH12-V-35°	790 038 282	0.054
Tool holder WH12-V-45°	790 038 280	0.044
Tool holder WH12-U-20°	790 038 326	0.031

TUBE SQUARING TECHNOLOGY



Multifunctional tool MFW

Multifunctional tool MFW

Two-sided tool bit with protective coating against tool wear.
Usable for all machines of the RPG series.

ARTICLE	QTY.	CODE	KG
Multifunctional tool MFW-P-2	1	790 038 314	0.003
Multifunctional tool MFW-P-2	10	790 038 315	0.045

Other accessories

- Collapsible work bench, see page 82