

## Tube squaring machines

### RPG ONE, RPG 1.5

Properties, application area, technical specifications and delivery scope, see page 39.

Special-steel clamping collars have to be ordered separately.

ITEM	VERSION	CODE	MACHINE WEIGHT KG	SHIPPING WEIGHT KG
RPG ONE	230 V, 50/60 Hz EU	790 036 031	4.140	9.600
RPG ONE	120 V, 50/60 Hz US	790 036 032	4.140	9.600
RPG ONE	110 V, 50/60 Hz EU	790 036 033	4.140	9.600
RPG ONE battery (18 V)	230 V, 50/60 Hz EU	790 036 021	2.880	8.200
RPG ONE battery (18 V)	115 V, 60 Hz US	790 036 022	2.880	8.200
RPG 1.5	230 V, 50/60 Hz EU	790 037 001	4.700	9.500
RPG 1.5	120 V, 50/60 Hz US	790 037 002	4.700	9.500
RPG 1.5	110 V, 50/60 Hz EU	790 037 003	4.700	9.500
RPG 1.5 battery (18 V)	230 V, 50/60 Hz EU	790 037 011	3.440	10.100
RPG 1.5 battery (18 V)	115 V, 60 Hz US	790 037 012	3.440	10.100



RPG ONE / RPG ONE battery



RPG 1.5 / RPG 1.5 battery

### Angle drive for RPG ONE (battery) and RPG 1.5 (battery)

The angle drive is available optionally and can be mounted subsequently on the following RPG machines:

RPG ONE; RPG ONE battery; RPG 1.5; RPG 1.5 battery

The angle drive can be used to reduce the overall length to 200 mm (7.874"). The technical specifications remain unchanged.

ITEM	CODE	KG
Angle drive for RPG ONE and RPG 1.5 (battery)	790 037 400	0.475

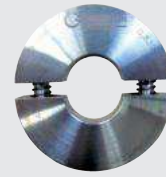


Angle drive

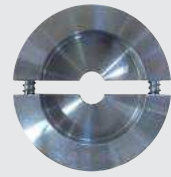
## Special-steel clamping collars

Extremely resistant. Ensure a precise clamping of pipes and micro-fittings and a rapid clamping collar change without tools through a unique design with forcibly actuated clamping shell mechanism. Further clamping collar dimensions are available.

Please check the outer diameter of the pipes before ordering the clamping collars.



Stainless-steel clamping collar  
For pipes



Stainless-steel clamping collar  
For micro-fittings

Machine model:	Clamping length for pipes:	Clamping length for 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")

MACHINE TYPE		RPG ONE				RPG 1.5			
PIPE OD		PIPES		MICRO-FITTINGS		PIPES		MICRO-FITTINGS	
[MM]	[INCH]	790...	KG	790...	KG	790...	KG	790...	KG
3.00	0.118	<b>036 232</b>	0.118	-	-	<b>037 220</b>	<b>0,300</b>	<b>037 300</b>	0.225
3.18	0.125	<b>036 201</b>	0.119	-	-	<b>037 221</b>	<b>0,308</b>	<b>037 301</b>	0.227
4.00	0.157	-	-	-	-	<b>037 222</b>	<b>0,310</b>	<b>037 302</b>	0.226
4.78	0.188	-	-	-	-	<b>037 223</b>	<b>0,310</b>	<b>037 303</b>	0.234
5.00	0.197	-	-	-	-	<b>037 224</b>	<b>0,308</b>	<b>037 304</b>	0.228
6.00	0.236	<b>036 213</b>	0.117	<b>036 304</b>	0.066	<b>037 225</b>	<b>0,310</b>	<b>037 305</b>	0.220
6.35	0.250	<b>036 202</b>	0.118	<b>036 301</b>	0.066	<b>037 226</b>	<b>0,306</b>	<b>037 306</b>	0.460
7.00	0.276	<b>036 214</b>	0.118	-	-	<b>037 257</b>	0,306	-	-
8.00	0.315	<b>036 215</b>	0.118	<b>036 307</b>	0.065	<b>037 227</b>	0,299	<b>037 307</b>	0.223
9.00	0.354	-	-	-	-	<b>037 254</b>	0,280	-	-
9.53	0.375	<b>036 203</b>	0.115	<b>036 302</b>	0.064	<b>037 228</b>	0,297	<b>037 308</b>	0.300
10.00	0.394	<b>036 204</b>	0.115	<b>036 305</b>	0.065	<b>037 229</b>	0,298	<b>037 309</b>	0.222
10.10	0.398	<b>036 222</b>	0.114	-	-	-	-	-	-
11.00	0.433	<b>036 226</b>	0.112	-	-	<b>037 293</b>	0,252	-	-
11.11	0.437	-	-	-	-	<b>037 255</b>	0,295	-	-
12.00	0.472	<b>036 205</b>	0.112	<b>036 306</b>	0.064	<b>037 230</b>	0,293	<b>037 310</b>	0.220
12.10	0.476	<b>036 223</b>	0.111	-	-	-	-	-	-
12.50	0.492	-	-	-	-	-	-	<b>037 317</b>	0.220
12.70	0.500	<b>036 206</b>	0.111	<b>036 303</b>	0.062	<b>037 231</b>	0,292	<b>037 311</b>	0.220
13.00	0.512	-	-	-	-	<b>037 232</b>	0,295	-	-
13.20	0.520	-	-	-	-	<b>037 263</b>	0,290	-	-
13.50	0.531	<b>036 227</b>	0.110	-	-	<b>037 233</b>	0,290	-	-
14.00	0.551	<b>036 228</b>	0.108	-	-	<b>037 234</b>	0,288	-	-
14.10	0.555	<b>036 224</b>	0.107	-	-	-	-	-	-
14.30	0.563	-	-	-	-	<b>037 253</b>	0,289	-	-
14.70	0.579	-	-	-	-	<b>037 290</b>	0,287	-	-
15.00	0.591	<b>036 216</b>	0.107	-	-	<b>037 235</b>	0,287	-	-
15.30	0.602	-	-	-	-	<b>037 259</b>	0,287	-	-
15.60	0.614	<b>036 225</b>	0.105	-	-	-	-	-	-
15.70	0.618	-	-	-	-	<b>037 291</b>	0,284	-	-
15.88	0.625	<b>036 211</b>	0.105	-	-	<b>037 236</b>	0,285	-	-
16.00	0.630	<b>036 212</b>	0.104	-	-	<b>037 237</b>	0,285	-	-
17.00	0.670	<b>036 221</b>	0.103	-	-	<b>037 256</b>	0,280	-	-
17.08	0.672	-	-	-	-	<b>037 260</b>	0,281	-	-
17.20	0.677	<b>036 207</b>	0.104	-	-	<b>037 238</b>	0,300	<b>037 312</b>	0.220
18.00	0.709	<b>036 217</b>	0.102	-	-	<b>037 239</b>	0,280	-	-
19.00	0.748	-	-	-	-	<b>037 240</b>	0,275	<b>037 314</b>	0.216
19.05	0.750	<b>036 208</b>	0.100	-	-	<b>037 241</b>	0,274	<b>037 315</b>	0.215
20.00	0.787	<b>036 230</b>	0.096	-	-	<b>037 242</b>	0,272	-	-
21.00	0.827	-	-	-	-	<b>037 294</b>	0,270	-	-
21.20	0.835	-	-	-	-	-	-	<b>037 313</b>	0.213
21.30	0.839	<b>036 209</b>	0.094	<b>036 317</b>	0.057	<b>037 243</b>	0,270	<b>037 318</b>	0.212
21.70	0.854	<b>036 220</b>	0.093	-	-	<b>037 261</b>	0,270	-	-
22.00	0.866	<b>036 218</b>	0.093	-	-	<b>037 244</b>	0,264	-	-
22.22	0.875	-	-	-	-	<b>037 292</b>	0,270	-	-
23.00	0.906	<b>036 219</b>	0.085	-	-	<b>037 245</b>	0,255	-	-
24.00	0.945	-	-	-	-	<b>037 246</b>	0,256	-	-
25.00	0.984	<b>036 231</b>	0.081	-	-	<b>037 247</b>	0,252	-	-
25.40	1.000	<b>036 210</b>	0.083	-	-	<b>037 248</b>	0,240	-	-

### TUBE SQUARING TECHNOLOGY

MACHINE TYPE		RPG ONE				RPG 1.5			
PIPE OD		PIPES		MICRO-FITTINGS		PIPES		MICRO-FITTINGS	
[MM]	[INCH]	790...	KG	790...	KG	790...	KG	790...	KG
26.90	1.059	-	-	-	-	<b>037 249</b>	0,260	-	-
27.00	1.063	-	-	-	-	<b>037 264</b>	0,260	-	-
27.20	1.071	-	-	-	-	<b>037 262</b>	0,260	-	-
28.00	1.102	-	-	-	-	<b>037 250</b>	0,240	-	-
29.00	1.142	-	-	-	-	<b>037 251</b>	0,232	-	-
30.00	1.181	-	-	-	-	<b>037 252</b>	0,228	-	-
31.80	1.250	-	-	-	-	<b>037 280</b>	0,230	-	-
32.00	1.260	-	-	-	-	<b>037 258</b>	0,226	-	-
33.40	1.315	-	-	-	-	<b>037 281</b>	0,220	-	-
33.70	1.327	-	-	-	-	<b>037 282</b>	0,218	-	-
34.00	1.339	-	-	-	-	<b>037 283</b>	0,215	-	-
35.00	1.377	-	-	-	-	<b>037 284</b>	0,210	-	-
36.00	1.417	-	-	-	-	<b>037 285</b>	0,204	-	-
38.00	1.496	-	-	-	-	<b>037 286</b>	0,199	-	-
38.10	1.500	-	-	-	-	<b>037 287</b>	0,194	-	-



Tool holder WH

## Tool holder WH

Suitable for MFW 790 038 314. Incl. Torx fastening screw M4x10 (790 086 220).  
For max. wall thickness 3 mm

Application area Tool holder	Machine method		Beveling angle [°]		Pipe OD	
	Squaring	Beveling			RPG ONE (battery)	RPG 1.5 (battery)
WH12-I/Standard* Code 790 037 152	x	-	-	[mm] 6.0 - 25.4 [inch] 0,236 - 1.0	6.0 - 38.1 0,236 - 1.5	
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	
WH12-I/Micro-fittings** Code 790 037 156	x	-	-	[mm] - [inch] -	3.0 - 21.2 0,118 - 0.84	
WH3-V-30*** Code 790 037 158	-	x	30°	[mm] - [inch] -	max. 35.0 max. 1,378	
WH3-V-35*** Code 790 037 159	-	x	35°	[mm] - [inch] -	max. 33.7 max. 1,327	
WH3-V-45*** Code 790 037 157	-	x	45°	[mm] - [inch] -	max. 33.7 max. 1,327	

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

\* Included in the standard scope of delivery.

\*\* Only to be used with special steel clamping collars for micro-fittings.

\*\*\* Cannot be used with the RPG ONE.



Multifunctional tool MFW

## Multifunctional tool MFW

With 2 cutting edges and process-specific tool wear protective coating.  
Can be used with all the machines of the RPG series.

ITEM	QUANTITY	CODE	KG
Multifunctional tool MFW-P-2	1	<b>790 038 314</b>	0.003
Multifunctional tool MFW-P-2	10	<b>790 038 315</b>	0.045
Torx screw	1	<b>790 086 220</b>	0.002

## Other accessories

- Folding workbench, see page 80