

## ROLLER'S *Hydro-Polo*



German Top Quality



**Effortless, oil-hydraulic manual pipe bender for soft copper pipes  $\varnothing$  10–22 mm,  $\varnothing$   $\frac{3}{8}$ – $\frac{7}{8}$ "**,  $s \leq 1.0$  mm, **soft coated copper pipes  $\varnothing$  10–18 mm,  $\varnothing$   $\frac{3}{8}$ – $\frac{5}{8}$ "**,  $s \leq 1.0$  mm, **pipes of the pressfitting systems made from stainless, nickel steel  $\varnothing$  15–22 mm,  $s \leq 1.2$  mm, made from soft carbon steel, coated  $\varnothing$  12–18 mm,  $s \leq 1.2$  mm, soft precision steel pipes  $\varnothing$  10–18 mm,  $s \leq 1.5$  mm. Multilayer composite pipes  $\varnothing$  14–32 mm.** ( $s$  = wall thickness)

- For simple and dimensionally accurate bending of pipes up to 90°. Also for bridges, doglegs. Universally usable for many pipe types in the fields of sanitary, heating, air conditioning, refrigeration and hydraulics technologies.
- Bender is amortised after just a few bends by saving on fittings. No costs for fittings, storage, procurement. Saving on pipe unions. Increased safety due to fewer pipe connections.
- Robust, compact drive unit with closed, maintenance-free hydraulic system. Handy and light, only 2.4 kg.
- Oil-hydraulic drive unit with hydraulic cylinder made from high-quality, rolled hydraulic pipe. Ergonomically designed thrust lever for strength saving pressure build-up with manual hydraulic pump. Reliable hydraulic feed with overload protection in the foremost piston position and pressure release valve for safe working.
- Can be used anywhere, even in confined spaces. Fast, easy working, e.g.  $\varnothing$  22 mm copper pipe with bend in only 18 s.
- Back former support H-S  $\varnothing$  10–26 mm, rotatable according to the size of pipe inserted for bending, with back formers for pipes  $\varnothing$  10–26 mm,  $\frac{3}{8}$ – $\frac{7}{8}$ ". Back former support  $\varnothing$  32 mm, with back formers for pipes  $\varnothing$  32 mm.
- Angle scale on each bending former for dimensionally accurate bending.
- High sliding bending formers of high strength, glass fibre reinforced polyamide, easily changeable. See page 47.
- Also ideal for thin-walled heating pipes and area heating pipes made from copper according to EN 1057.



## ROLLER'S *Hydro-Polo Set*

Up to Ø 26 mm with oil-hydraulic drive unit, polyamide bending formers, back former support H-S Ø 10–26 mm with back formers, in case.

Up to Ø 32 mm with oil-hydraulic drive unit, polyamide bending formers, back former support H-S Ø 10–26 mm with back formers, back former support Ø 32 mm with back formers, in case.

<b>Set 12+15+18+22</b>	1/2+5/8+3/4+7/8"	153525 AX	<b>699,61</b>
<b>Set 10+12+15+18+22</b>	3/8+1/2+5/8+3/4+7/8"	153521 AX	<b>725,56</b>
<b>Set 12+14+16+18+22</b>	1/2+3/4+7/8"	153520 AX	<b>725,56</b>
<b>Set Allround 22</b>			
<b>10+12+14+15+16+17+18+20+22</b>	3/8+1/2+5/8+3/4+7/8"	153527 AX	<b>755,66</b>
<b>Set 14+16+20+25/26</b>		153526 A	<b>699,61</b>
<b>Set 14+16+18+20+25/26</b>		153522 A	<b>725,56</b>
<b>Set 16+20+25/26+32</b>		153529 A	<b>777,46</b>
<b>Set 16+18+20+25/26+32</b>		153523 A	<b>801,34</b>
<b>Set Allround 32</b>			
<b>10+12+14+15+16+17+18+20+22+25/26+32</b>	3/8+1/2+5/8+3/4+7/8"	153528 AX	<b>857,39</b>

Use ROLLER'S Hydro-Polo INOX or aluminium bending formers for pipes of the stainless, nickelled steel press fitting systems.

## ROLLER'S *Hydro-Polo INOX Set*

With oil-hydraulic drive unit, aluminium bending formers, back former support H-S Ø 10–26 mm with back formers, in case.

Especially also for

Geberit Mapress Stainless-steel (EN 10088, 1.4401),

Geberit Mapress Stainless-steel (EN 10088, 1.4521, nickel-free),

Geberit Mapress Carbon Steel (EN 10305-3, 1.0034 (E195)),

Viega Sanpress (EN 10088, 1.4401),

Viega Prestabo (EN 10305-3, 1.0308 (E235)).

<b>Set 15+18+22</b>		153510 A	<b>773,31</b>
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### Accessories

<b>ROLLER'S Hydro-Polo drive unit</b>		153500 A	569,86
<b>Back former support H-S Ø 10–26 mm</b> with back formers for pipes Ø 10–26 mm, 3/8–7/8"		153501 R	69,34
<b>Back former support Ø 32 mm</b> with back formers for Ø 32 mm pipes		153115 RX2	133,38
<b>Case with inlay</b>		153570 A	107,95

Bending former	Bending radius <sup>1)</sup> mm	Suitable for					Art.-No.	€
		Cu	Cu-U	St 10217	St 10305	St 10305-U		
for pipes Ø mm/inch O.D.								
10, 3/8"	30	•			•		153155 R	32,07
12, 10 U, 1/2"	36	•	•		•		153160 R	32,07
14, 12 U	50	•			•	•	153170 R	32,07
15, 12 U, 5/8" <sup>2)</sup>	55	•	•	•	•		153531 R	73,49
15, 12 U, 3/4"	55	•	•				153175 R	32,07
16, 14 U	55	•	•		•		153180 R	32,07
17, 15 U	60					•	153185 R	32,07
18, 14 U, 15 U, 16 U, 3/4" <sup>2)</sup>	72	•	•	•	•	•	153532 R	73,49
18, 14 U, 15 U, 16 U, 3/4"	72	•	•		•	•	153190 R	32,07
20, 18 U	79	•	•		•	•	153195 R	32,07
22, 18 U, 7/8" <sup>2)</sup>	86	•	•	•	•		153540 R	73,49
22, 18 U, 7/8"	86	•	•				153200 R	32,07
25, 26	88					•	153205 R	32,07
32	128					•	153210 R	60,20

<sup>1)</sup> Bending radius mm at the neutral axis of the bend (DVGW GW 392)

<sup>2)</sup> Aluminium bending formers

Cu: soft copper tubes, also thin-walled

St 10217: Stainless, nickel steel pipes of the pressfitting systems EN 10217-7, EN 10312, series 2, material 1.4401

St 10305-U: soft coated carbon steel pipes of the press fitting systems EN 10305-3

St 10305: soft precision steel pipes EN 10305-1, EN 10305-2, EN 10305-3

U: coated

V: multilayer composite pipes of the press fitting systems