

PIPE CLEANING MACHINE TORNADO

NOZZLES

Z 71-3e

O1.04.2008

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Standard-Nozzles > Pipe Ø 40 mm for Tornado

	Description	Part No.	Application
	Step nozzle short with fixed bores M 24x1.5 male - 150 l/min - 1100 bar M 24x1.5 male - 188 l/min - 1100 bar	7011080 7010745	General pipe cleaning for partially and fully blocked pipes of 40 mm inner diameter and above
	Step nozzle long with fixed bores and built-in pusher at 45° M 24x1.5 male - 150 l/min - 1100 bar M 24x1.5 male - 188 l/min - 1100 bar	7011081 7010385	
	Pusher with 2x ceramic inserts M4 M 24x1.5 male - 30 l/min - 1100 bar Ceramic insert M4 – diameter 0.8 mm	7010746 7002772	To be used in combination with all step nozzles short as driving nozzle "ALLCUT"
 	Step nozzle "ALLCUT" with fixed bores M 24x1.5 male - 150 l/min - 1100 bar M 24x1.5 male - 188 l/min - 1100 bar <u>required accessories:</u> Plug G 1/4" male or Front jetting insert G 1/4" male or Guide roller brass Ø 32 mm and Axle G 1/4" male	7011082 7010387 5040036 7010903 7010748 7011192	General pipe cleaning for partially and fully blocked pipes of 40 mm inner diameter and above Used to guide step nozzle "ALLCUT" Used to guide roller brass
  	Nozzle carrier DT 2 – M 24x1.5 female for 2 nozzle inserts Form A + B Nozzle carrier DT 4 – M 24x1.5 female for 4 nozzle inserts Form A + B <u>required accessories:</u> Nozzle holder for insert nozzle Insert nozzles O-Ring Screw turner for nozzle holder <u>additional with:</u> Plug G 1/4" male or Front jetting insert G 1/4" male or Guide roller plastic Ø 60 mm and Axle G 1/4" male	7010388 7010389 7010901 Z41-1 1060382 7010902 5040036 7010903 7010747 7011083	General pipe cleaning for partially blocked pipes of 70 mm inner diameter and above Used to guide nozzle carrier DT Used to guide roller plastic

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Special Nozzles < Pipe Ø 40 mm for Tornado

	Description	Part no.	Application
 	Step nozzle short with fixed bores G 1/8" female - 20 l/min - 1100 bar G 1/8" female - 30 l/min - 1100 bar G 1/4" female - 30 l/min - 1100 bar G 1/4" female - 50 l/min - 1100 bar G 3/8" female - 100 l/min - 1100 bar G 3/8" female - 120 l/min - 1100 bar	7011085 7011086 7011087 7011088 7011089 7011090	General pipe cleaning for partially and fully blocked pipes above inner diameter 16 mm above inner diameter 16 mm above inner diameter 20 mm above inner diameter 20 mm above inner diameter 30 mm above inner diameter 30 mm
	Step nozzle long with fixed bores and built-in pusher at 45° G 3/8" female - 100 l/min - 1100 bar G 3/8" female - 120 l/min - 1100 bar	7011091 7011092	above inner diameter 30 mm above inner diameter 30 mm
 	Pusher with 2 x fixed bores G 1/8" female - 10 l/min - 1100 bar G 1/4" female - 20 l/min - 1100 bar Pusher with 2x ceramic inserts M4 G 3/8" female - 20 l/min - 1100 bar Ceramic insert M4 – diameter 0,7 mm	7011093 7011094 7011095 7002771	To be used in combination with all step nozzles short above inner diameter 16 mm above inner diameter 20 mm above inner diameter 30 mm

Special Hoses < Pipe Ø 40 mm for TORNADO

<u>Pipe cleaning hose</u> DN 5/2 - max. 1040 bar - G 1/4" cap nut / G 1/8" m. - 12 m DN 6/2 - max. 960 bar - G 1/4" cap nut / G 1/4" m. - 12 m DN 10 - max. 750 bar - M 24x1.5 DKO / G 3/8" m. - 10 m <u>Reducing double nipple</u> M 24x1.5 DKO - G 1/4" DKR M 24x1.5 DKO - M 24x1.5 DKO	7000558 7000570 7010986 1051633 1050671	for heat exchanger cleaning above inner diameter 16 mm above inner diameter 20 mm above inner diameter 30 mm Connection DN 13 with DN 5/6 Connection DN 10 / 13
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Pipe cleaning: max. 12 m length of pipe by using pipe cleaning hoses DN 5 + DN 6