

ST-49 Ball type nozzle

Made out of wear-resistant, hardened stainless steel provided with front jet insert or blind plug (interchangeable). Angle of jet is 30°, sturdy wall thickness, long service life and a minimum of wear and tear. All nozzles are provided with hardened stainless steel inserts. Due to this feature the efficiency is considerably higher compared with those nozzles with drilled holes and the service life is several times longer.

Max. 500 bar

Applications:

- » Suitable for removal of sludge deposits
- » Desilting of pipes
- » Opening of frozen pipelines



1/4" F.
Outside \varnothing 25 mm.
6 rear jets

R+M Nr.	D
649 030 216 060	060
649 030 216 080	080
649 030 216 100	100
649 030 216 120	120
649 030 216 150	150
649 030 216 200	200



3/8" F.
Outside \varnothing 30 mm.
4 rear jets

R+M Nr.	D
649 030 314 060	060
649 030 314 080	080
649 030 314 100	100
649 030 314 120	120
649 030 314 150	150
649 030 314 200	200



3/8" F.
Outside \varnothing 30 mm.
6 rear jets

R+M Nr.	D
649 030 316 060	060
649 030 316 080	080
649 030 316 100	100
649 030 316 120	120
649 030 316 150	150
649 030 316 200	200



1/2" F.
Outside \varnothing 30 mm.
6 rear jets

R+M Nr.	D
649 030 416 060	060
649 030 416 080	080
649 030 416 100	100
649 030 416 120	120
649 030 416 150	150
649 030 416 200	200
649 030 416 315	315



1/2" M. MR cone.
Outside \varnothing 30 mm.
6 rear jets

R+M Nr.	D
649 040 416 060	060
649 040 416 080	080
649 040 416 100	100
649 040 416 120	120
649 040 416 150	150
649 040 416 200	200

Milling Type Nozzles ST-49

With its 3 to 4 very strong concentrated forward jets and the sharp cutting edges the milling type nozzles will tear through almost any kind of blockage. The sharp edges cut, break and penetrate through every kind of blockage. Made out of wear-resistant, hardened stainless steel. All nozzles are equipped with replaceable hardened stainless steel rear and centric front jets. Due to this feature the efficiency is considerably higher compared to those nozzles with drilled holes and the service life is several times longer.

Max. 350 bar

Applications:

- » Penetration of completely clogged pipes
- » Opening of root masses
- » Opening of frozen pipelines
- » Hydraulic thrust boring flushing operations



1/4" F. For tubes > 30 mm.
Lateral front jets 0.5 mm drilled.

R+M Nr.	D	Front	Rear
649 010 234 040	040	3	4
649 010 234 050	050	3	4
649 010 234 045	045	4	4
649 010 234 055	055	4	4
649 010 244 060	060	4	4
649 010 244 070	070	4	4
649 010 244 080	080	4	4
649 010 244 085	085	4	4
649 010 244 100	100	4	4
649 010 244 120	120	4	4
649 010 244 150	150	4	4
649 010 244 200	200	4	4



3/8" F. For tubes > 50 mm.
Lateral front jets with hardened stainless steel nozzle inserts.

R+M Nr.	D	Front	Rear
649 010 336 055	055	3	6
649 010 346 070	070	4	6
649 010 346 080	080	4	6
649 010 346 100	100	4	6
649 010 346 120	120	4	6
649 010 346 150	150	4	6
649 010 346 200	200	4	6
649 010 346 250	250	4	6
649 010 346 270	270	4	6



1/2" F. For tubes > 60 mm
Lateral front jets with hardened stainless steel nozzle inserts.

R+M Nr.	D	Front	Rear
649 010 446 100	100	4	6
649 010 446 120	120	4	6
649 010 446 150	150	4	6
649 010 446 200	200	4	6
649 010 446 250	250	4	6
649 010 446 310	310	4	6