

## ST-49 nozzles for sewer cleaning

## Sewer cleaning nozzles with female thread

## Hydro Mole

With its 3 very strong concentrated forward jets the Hydro Mole will tear through almost any kind of blockage.  
Front jets to blast thru roots and scale or for de-icing.

Nozzle drilling as stepped bore for best protection against mechanical impact.  
Made of wear-resistant, hardened stainless steel.



Outside  $\varnothing$  22 mm.  
Hardened stainless steel.  
Max. 500 bar / 35 l/min.

| R+M Nr.     |        |     |
|-------------|--------|-----|
| 120 460 385 | 1/4" F | 070 |



Outside  $\varnothing$  22 mm.  
Hardened stainless steel.  
Max. 500 bar / 32 l/min.

| R+M Nr.     |        |     |
|-------------|--------|-----|
| 120 163 392 | 1/4" F | 065 |



Outside  $\varnothing$  25 mm.  
Hardened stainless steel.  
Max. 500 bar / 32 l/min.

| R+M Nr.     |        |     |
|-------------|--------|-----|
| 120 163 393 | 3/8" F | 065 |

## Grease ball



rear jets for extreme thrust and highest wall coverage of the pipe. Designed for the ability to clean grease off the sidewall of pipes but has proven to be great on root chokes, too. Completely spherical shape.

Nozzle drilling as stepped bore for best protection against mechanical impact.

Hardened stainless steel.  
Max. 500 bar

| R+M Nr.     |        |     |            |
|-------------|--------|-----|------------|
| 120 000 860 | 1/4" F | 080 | 8 (0,6 mm) |

## Root rat



Equipped with rear jets for maximum thrust and 3 additional nozzles (45°) right behind its nose for better cleaning results and wall coverage the nozzle has proven to be ideal on root chokes.

Hardened stainless steel.  
Max. 500 bar / 30 l/min

| R+M Nr.     |        |     |         |
|-------------|--------|-----|---------|
| 120 155 672 | 1/4" F | 060 | 3 (30°) |

## Mini-nozzles for sewer cleaning

Heat exchangers in thermal power stations or conveyor pipes in the food industry are often sewers of 10 to 12 mm in diameter. In order to clean them effectively from the inside a device for sewer cleaning with small diameters and high pressures is required.

Being only 9.8 mm in diameter the nozzle withstands the working pressure of up to 500 bar.

Together with our R+M 1 / Bronze hose (30420) the complete sewer cleaning unit will be rated up to 300 bar and 100° C



Crimp nipple.  
DN 4.  
M7 M.  
Stainless steel.  
Max. 500 bar

| R+M Nr.     |    |
|-------------|----|
| 040 001 946 | 22 |



M7 F. rear jets for maximum thrust and powerful cleaning impact.  
Outside  $\varnothing$  9.8 mm.  
Stainless steel.  
Max. 500 bar

| R+M Nr.     |     |   |
|-------------|-----|---|
| 120 000 380 | 030 | 3 |
| 120 001 380 | 065 | 3 |



M7 F. rear jets for maximum thrust. Additional 3 side jets (90°) for powerful cleaning impact and optimal wall coverage.  
Outside  $\varnothing$  9.8 mm. Stainless steel.  
Max. 500 bar

| R+M Nr.     |     |   |
|-------------|-----|---|
| 120 373 373 | 065 | 3 |