

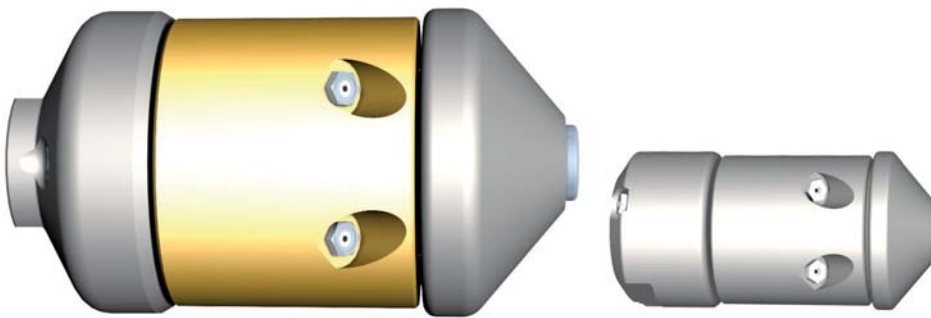
# HRV Semi-radial rotating nozzles forward

**enz golden jet®** nozzles with forward impact angle of approx. 45° on the pipe wall as well as a front-guide jet (on request) and 3 retro-thrust jets cause a cork-screw-like advance through the clogged pipe. While the front nozzles loosens and the semi-radial nozzles disintegrate the residues, the thrust nozzles are driving the nozzle head forwards and simultaneously pushing the waste material backwards.

## Applications














- Core-flushing of the steel pipes during hydraulic thrust-boring
- Cleaning of house connecting pipe-work from inside to the drain system
- Removal of ice in manholes

Working pressure up to 250 bar















## HRV Semi-radial rotating nozzles forward










### HRV Semi-radial rotating nozzles forward 1/4" - 3/4"

				
	<b>03.028</b>	<b>03.040</b>	<b>03.050A</b>	<b>03.050B</b>
	1/4	1/2	1/2	3/4
	30 - 100	70 - 150	100 - 200	
	30	50	70	
	4 × M4	4 × M6	4 × M6	
	3 × M4	3 × M6	3 × M6	
	*	*	*	
	28 × 56	40 × 80	50 × 99	
	0.20	0.55	1.10	
	—	—	—	

### HRV Semi-radial rotating nozzles forward 1" - 1 1/4"

			
	<b>03.060</b>	<b>03.100A</b>	<b>03.100B</b>
	1	1	1 1/4
	100 - 300	200 - 600	
	100	200	
	4 × M8	4 × M10	
	3 × M8	3 × M10	
	*	*	
	60 × 111	100 × 180	
	1.60	7.40	
	—	—	

High Performance Tool   
 golden jet®

	Connecting thread ["]		Thrust jet		Recycling
	Application range [mm]		Front jet	*	Option
	min. l/min at 100 bar		Measures [mm]		
	Rotating nozzles		Weight [kg]		