



# ROTATING SEWER JETTING NOZZLE

## UNPARALLELED CUTTING POWER, UNRIVALED CLEANING

The Reaper™ Rotating Jetting Nozzle is designed and engineered specifically for water jetting applications including pipe cleaning and sewer jetting projects for the residential, municipal, industrial or contractor market.

**SUPERIOR PERFORMANCE**— The Reaper's rotating front jet is a 0-degree, straight water stream that blasts at up to 4000 PSI (276 bar) while rotating at an optimal speed to form a 24 or 30-degree cone of coverage. Reaper's rear jets create a 20-degree angle for maximum thrusting and pulling power.

**DURABILITY & RELIABLE** — These heavy-duty, high impact nozzles are constructed with stainless steel housing and tungsten carbide wear surfaces to withstand harsh environments and provide longer life than ceramic nozzles.

**EFFICIENCY** — Optimized stream quality results in greater impingement which allows you to complete jobs faster, use one tool for various applications (cutting, cleaning, removal, etc.) and use smaller nozzle sizes while getting the same or better performance as nozzles with higher GPM flow rates.

**SERVICEABILITY** — The Reaper can be repaired in the field. Repair kits are available for extended life and lower operating costs.

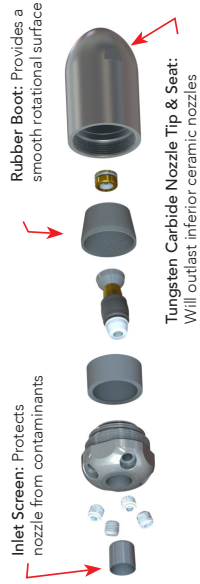


# REAPER™ ROTATING SEWER JETTING NOZZLE



## SPECIFICATIONS

Minimum Inlet Pressure:	1,500 PSI (103 bar)	Maximum Inlet Pressure 1":	3000 PSI (207 bar)
Maximum Inlet Pressure 3/8" & 1/2":	4,000 PSI (276 bar)	Maximum Water Temperature:	180°F (+82°C)
		Housing Material:	Stainless Steel
		Nozzle Tip & Seat Material:	Tungsten Carbide
		Inlet Connection Thread:	3/8", 1/2", 1" FNPT or BSPP
		Front (Rotating) Spray Angle:	24° or 30°
		Rear (Static) Spray Angle:	20°



## ACCESSORIES

### Dome Inlet Screens (10 Pack)

3/8" : 1003033

1/2" : 1003034

1" : 1003162



1"



### Rotor Repair Kit



## FLOW RATE CHART (LPM)

NOZZLE SIZE	FNPT NOZZLE PART NUMBER	BSPP NOZZLE PART NUMBER	ROTOR REPAIR KIT PART NUMBER	REAR JET REPAIR KIT	FLOW RATE CHART (LPM)					
					@1500 PSI (103 Bar)	@2000 PSI (138 Bar)	@2500 PSI (172 Bar)	@3000 (207 Bar)	@3500 PSI (241 Bar)	@4000 PSI (276 Bar)
3/8" NOZZLE INLET - 24 DEGREE (IDEAL FOR 3" - 6" OR 90mm - 180mm PIPES)										
6.0	1003031-060	1003204-060	1003029-060	1003030-060	3.7 GPM (14.0 LPM)	4.2 GPM (15.9 LPM)	4.7 GPM (17.8 LPM)	5.2 GPM (19.7 LPM)	5.6 GPM (21.2 LPM)	6.0 GPM (22.7 LPM)
9.0	1003031-090	1003204-090	1003029-090	1003030-090	5.5 GPM (20.8 LPM)	6.4 GPM (24.2 LPM)	7.1 GPM (26.9 LPM)	7.8 GPM (29.5 LPM)	8.4 GPM (31.8 LPM)	9.0 GPM (34.1 LPM)
12.0	1003031-120	1003204-120	1003029-1224	1003030-120	7.3 GPM (27.6 LPM)	8.5 GPM (32.2 LPM)	9.5 GPM (36.0 LPM)	10.4 GPM (39.4 LPM)	11.2 GPM (42.4 LPM)	12.0 GPM (45.4 LPM)
1/2" NOZZLE INLET - 30 DEGREE (IDEAL FOR 4" - 8" OR 110mm - 225mm PIPES)										
12.0	1003032-120	1003205-120	1003029-1230	1003030-120	7.3 GPM (27.6 LPM)	8.5 GPM (32.2 LPM)	9.5 GPM (36.0 LPM)	10.4 GPM (39.4 LPM)	11.2 GPM (42.4 LPM)	12.0 GPM (45.4 LPM)
15.0	1003032-150	1003205-150	1003029-150	1003030-150	9.2 GPM (34.8 LPM)	10.6 GPM (40.1 LPM)	11.9 GPM (45.0 LPM)	13.0 GPM (49.2 LPM)	14.0 GPM (53.0 LPM)	15.0 GPM (56.8 LPM)
18.0	1003032-180	1003205-180	1003029-180	1003030-180	11.0 GPM (41.6 LPM)	12.7 GPM (48.1 LPM)	14.2 GPM (53.8 LPM)	15.6 GPM (59.1 LPM)	16.8 GPM (63.6 LPM)	18.0 GPM (68.1 LPM)
24.0	1003032-240	1003205-240	1003029-180	1003030-240	14.7 GPM (55.6 LPM)	17.0 GPM (64.4 LPM)	19.0 GPM (71.9 LPM)	20.8 GPM (78.7 LPM)	22.4 GPM (84.8 LPM)	24.0 GPM (90.8 LPM)
1" NOZZLE INLET - 30 DEGREE (IDEAL FOR 6" - 18" OR 180mm - 460mm PIPES)										
40.0	1003155-400	1003206-400	1003029-180	1003163-400	28.2 GPM (106.7 LPM)	32.5 GPM (123.0 LPM)	36.4 GPM (137.8 LPM)	39.8 GPM (150.7 LPM)		
60.0	1003155-600	1003206-600	1003029-180	1003163-600	42.9 GPM (162.4 LPM)	49.5 GPM (187.4 LPM)	55.3 GPM (209.3 LPM)	60.6 GPM (229.4 LPM)		
80.0	1003155-800	1003206-800	1003029-180	1003163-800	52.7 GPM (199.5 LPM)	60.8 GPM (230.2 LPM)	68.0 GPM (257.4 LPM)	74.5 GPM (282.0 LPM)		

