

Product catalogue, pipe and sewer cleaning systems



Nozzles

**Rotorjet
trolley**

Hose reels

**Cleaning
devices**



Pipe and sewer cleaning nozzles

Connectors

Rotor jets for tube cleaning



Rotorjet trolley

Rotary joints and lance extensions

Skids for rotor jets



Hydraulically driven hose reels

Interchangeable nozzle heads



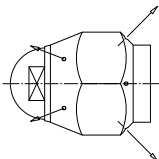
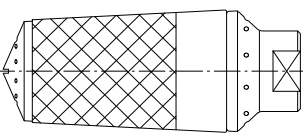
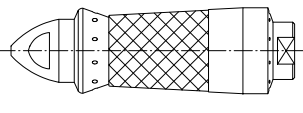
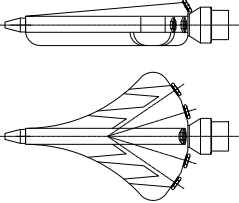



External pipe cleaning



Hammelman application engineering overview

Pipe and sewer cleaning nozzles

15.A.1 – 05/06

Drawing	Description	Code no.
	<p>Reversible pipe cleaning nozzle (G 1/2") for cleaning partly or fully clogged pipes from 50 – 500 mm diameter, manually adjustable from pull to push. Operating pressures up to 750 bar Connection thread 1/2 " female</p>	<p>09.00511.xxxx</p>
	<p>Automatic reversible pipe cleaning nozzle AF 100 (G 1/2") for cleaning pipes with bends and gates, for pipe and sewer diameters of 50 – 500 mm, remotely controlled from pull to push by pressure impulse, therefore the hose cannot jam in the pipe line. Operating pressures up to 200 bar. Connecting thread 1/2" female</p>	<p>09.00521.xxxx</p>
	<p>Automatic reversible pipe cleaning nozzle AF 500 (G 1/2") for cleaning pipes with bends and gates, for pipe and sewer diameters of 50 – 1000 mm, remotely controlled from pull to push by pressure impulse, additionally manually reversible from maximum cleaning efficiency to maximum traction. Operating pressures up to 200 bar. Connecting thread 1/2" female</p>	<p>09.00522.xxxx</p>
	<p>Sewer cleaning nozzle (G 1") suitable for pipe and sewers from 500 to 2000 mm Ø, flow rates of 180 to 300 l/min., operating pressures of 80 to 150 bar. Connection thread 1" female Without nozzles (suitable screw-in nozzle Type C + D)</p>	<p>09.00510.xxxx</p>
	<p>Sewer cleaning nozzle (G 1") for outputs up to 350 l/min. and operating pressures up to 150 bar. Connection thread 1" female</p>	
	<p>Sewer cleaning nozzle (G 1") the nozzle inserts are exchangeable, for outputs up to 500 l/min. and operating pressures up to 150 bar. Connection thread 1" female Spray angle: 12° Without nozzles (suitable screw-in nozzle Type C + D)</p>	<p>04.00795.0034</p>
	<p>Sewer cleaning nozzle for large diameters (G 1") the nozzle inserts are exchangeable, for outputs up to 500 l/min. and operating pressures up to 150 bar. Connection thread 1" female Without nozzles (suitable screw-in nozzle Type C + D)</p>	

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Pipe and sewer cleaning nozzles adapters

15.B.1 – 05/06









Inner diameter DN	Operating pressure bar	Dimensions	Code no.
10	750	½" to M 18 x 1,5 male thread DKL	04.05402.0060
10	1000	½" to M 22 x 1,5 male thread DKO	01.02981.0285
12	750	½" to M 22 x 1,5 male thread DKL	04.05402.0061
12	1000	½" to M 24 x 1,5 male thread DKO	01.02981.0505
20	350	½" to M 30 x 1,5 male thread DKM	01.02981.0057
20	1000	½" to M 36 x 2 male thread DKO	01.02981.0312
20	200	1" to M 30 x 1,5 male thread DKM	04.05402.0067
25	200	1" to M 38 x 1,5 male thread DKM	04.05402.0068
25	350	½" to M 38 x 1,5 male thread DKM	01.02981.0092

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Rotor jets for tube cleaning

Max. dia. Rotor-jet [mm]	Max. op. pressure [bar]	Max. flow rate [l/min]	Nozzles		Connection thread	Code no.	
			Quantity	Type			
32	600	80	2x 35° push 2x 90° radial 2x 125° pull (rotating) + 6 x 140° pull (static)	S	G 3/8 female	00.00786.0082	
38	600	80	2x 35° push 2x 90° radial 2x 125° pull (rotating) + 6 x 140° pull (static)	S	G 3/8 female	00.00786.0081	
53	1000	60	4x 90° radial (rotating)	G H	G 3/8 female	09.00530.2525	
58	1600	200	2x 30° push 2x 90° radial 2x 135° pull (rotating) + 3x 135° pull 3x 165° pull (static)	G H	M36x2 DKO male	09.00530.0072	
78	1500	50	2x 30° push 2x 90° radial 2x 135° pull (rotating)	G H	M14x1,5 LH female	09.00530.2782	
78	2500	32	2x 30° push 2x 90° radial 2x 135° pull (rotating)	G H	M14x1,5 LH female	09.00530.2870	
78	1500	80	4x 45° push 4x 95° pull (rotating) + 6 x 140° pull (static)	S	M14x1,5 LH female	09.00530.4685	

Rotor jets for tube cleaning

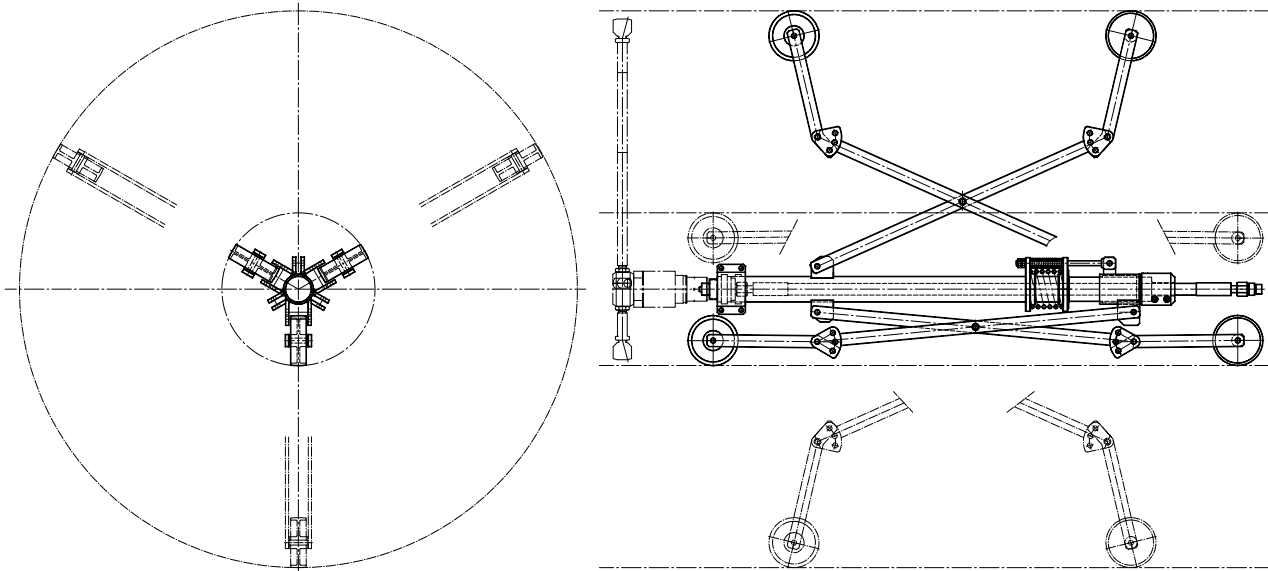
Max. dia. Rotor-jet [mm]	Max. op. pressure [bar]	Max. flow rate [l/min]	Nozzles		Connection thread	Code no.	
			Quantity	Type			
80	200	120	2x 50° push 2x 90° radial 2x 130° pull	A (B) M	G1 female	09.00530.2059	
90	1000	180	4x 90° radial (rotating)	A (B) M	M 36x2 male	00.00786.0128	
128	1000	180	2x 105° pull 2x 135° pull (rotating)	A (B) M	M 36x2 male	00.00786.0091	
128	1500	120	2x 27° push 2x 90° radial 2x 135° pull (rotating)	A (B) M	M24x1,5 DKO male	09.00530.2050	
128	2500 (3000)	60	2x 27° push 2x 90° radial 2x 135° pull (rotating)	G H (P)	M30x2 female	09.00530.2058	
130	1500	200	4x 90° radial (rotating)	A (B) M	M36x2 male	00.00786.0120	
166	1600	400	2x 45° push 2x 90° radial 2x 120° pull (rotating)	L	M36x2 male	00.00786.0108	
275	2500	100	8x 90° radial (rotating)	I	M30x2 female	00.00786.0147	

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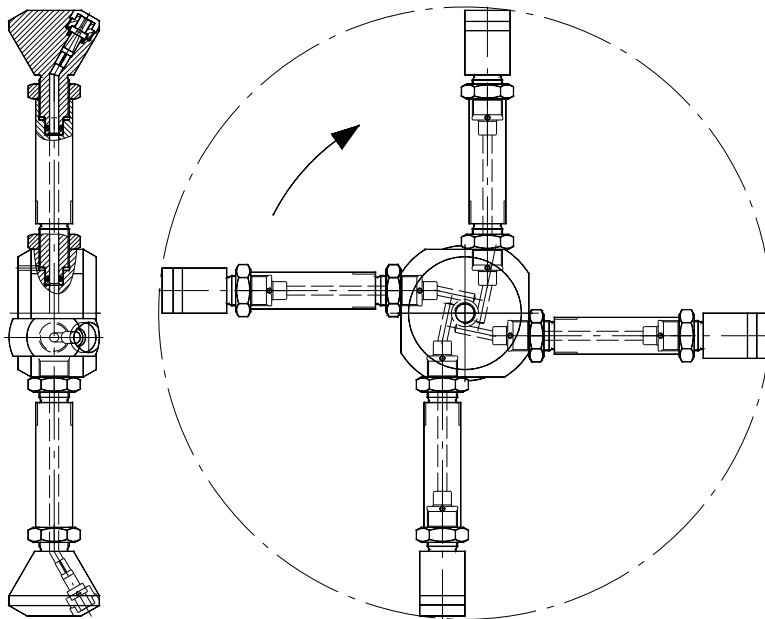
Description	Code no.
<p>The trolley enables rotorjets with nozzle extension arms to be deployed absolutely centrally in a pipe.</p> <p>The spring loaded scissor arms allow pipes of from 400 mm to 1400 mm diameter to be cleaned.</p> <p>The trolley comprises:-</p> <ul style="list-style-type: none"> • central body with hose guidance and mounting for the rotorjet, • adjustable spring mechanism, • 3 scissor arms with hinged end sections and running wheels <p>The whole assembly is manufactured from non rusting materials.</p> <p>Note! The rotorjets and extension arms must be purchased separately.</p>	<p>00.01599.0290</p>
<p>Conversion kit for pipes between 300 mm and 400 mm diameter</p>	<p>00.05810.0036</p>

Rotorjet, extension arms and nozzle holders

(suitable for operation with trolley deployed Rotorjets)

Description	No. required	Code no.
Standard pipe cleaning rotorjet	1	09.00530.2062
Nozzle holder with 15° angle	4	00.01599.0291
Nozzle holder with 30° angle	4	00.01599.0292
Nozzle holder with 45° angle	4	00.01599.0293

Extension



Example: 09.00530.2062

Description	No. required	Code no.
Extension arm 50 mm long	4	00.03544.0010
Extension arm 70 mm long	4	00.03544.0011
Extension arm 100 mm long	4	00.03544.0012
Extension arm 200 mm long	4	00.03544.0013
Extension arm 300 mm long	4	00.03544.0014

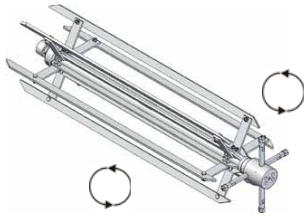

The standard length fitted is 100 mm.

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Skids for RDM Rotor jets

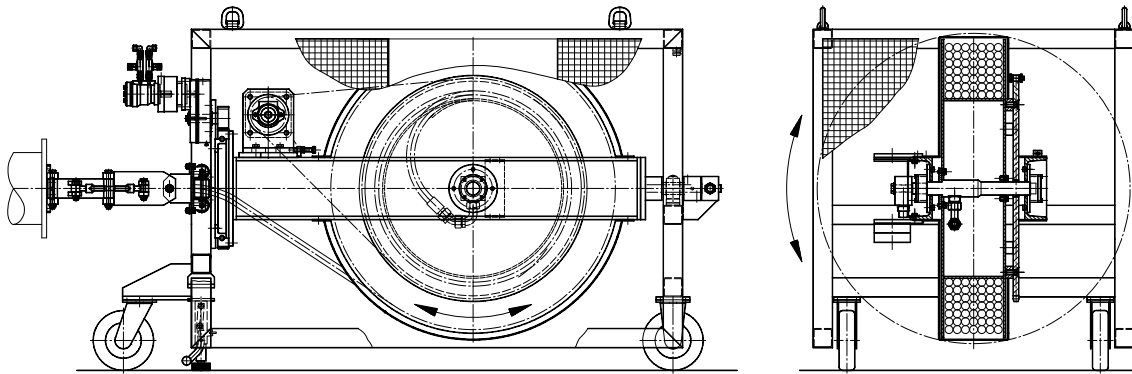
Pipe dia. [mm] min. / max.	Length [mm]	Accessories	Code no.	
136 / 200 Infinitely variable working diameter	300	RDM 200 RDM 250 RDM 300	00.01355.0003	
125 / 500 Working diameter variable in 9 steps	450	RDM 200 RDM 250 RDM 300	00.01355.0004	
125 / 500 Working diameter variable in 9 steps	450	RDM 200 RDM 250 RDM 300	00.01355.0005	
125 / 500 Working diameter variable in 9 steps	1190	RDM 200 RDM 250 RDM 300	00.01355.0006	
600 / 800 Working diameter variable in 2 steps	1190	RDM 200 RDM 250 RDM 300	00.01355.0008	
400 / 1400 Infinitely variable working diameter	1625	Rotary joint 00.00062.0155	00.01599.0290	
300 / 350 working diameter variable in 2 steps via roller angle adjustment	1625	Rotary joint 00.00062.0155	Conversion kit 00.05810.0036	

Skids for RDM Rotor jets

Pipe dia. [mm] min. / max.	Length [mm]	Rotor jet Nozzle Op. pressure	Accessories	Code no.	
125 / 500 Working diameter variable in 9 steps	1332	4 x 90° radial Nozzle type A / B max. 1000 bar	Excluding electric rotary drive 00.00124.0114	00.06035.0342	
700 / 1000 Working diameter variable in 2 steps	827 / 922	4 x RD 2500 Nozzle type G / H max. 2500 bar	Including hydraulic rotary drive	00.06035.0468	

Rotating and swivelling hose reel (for pipe cleaning)

15.D.1 – 08/10



Description	Code no.
<ul style="list-style-type: none"> for 12 mm i/d hose, operating pressure 1800 bar, including hydraulic motor with brake, gear and chain drive to rotate the reel to wind off / wind on the hose, including hydraulic motor with brake, gear and ball turning support with external teeth to swivel the reel on its axis, all completely mounted on a completely enclosed mobile frame, suitable for horizontal and vertical (top to bottom) operation, without hydraulic power pack and installation material, swivel water connection to enable unwinding and rewinding of pressurised HP hose, max. 180 m hose capacity. 	00.06035.0387
<ul style="list-style-type: none"> for 20 mm i/d hose, operating pressure 1600 bar, including hydraulic motor with brake, gear and chain drive to rotate the reel to wind off / wind on the hose, including hydraulic motor with brake, gear and ball turning support with external teeth to swivel the reel on its axis, all completely mounted on a completely enclosed mobile frame, suitable for horizontal and vertical (top to bottom) operation, without hydraulic power pack and installation material, swivel water connection to enable unwinding and rewinding of pressurised HP hose, max. 100 m hose capacity. 	<u>without</u> hydraulic power pack 00.06035.0367
	<u>with</u> hydraulic power pack 00.06035.0374

Hydraulic power pack

Description	Code no.
<ul style="list-style-type: none"> electric motor: 5,5 kW, 400 V, 25 l/min, 100 bar, oil tank capacity 160 litre, weight without oil approx. 400 kg, all on a mobile frame with casters. 	04.00028.0051
<ul style="list-style-type: none"> control unit for hydraulic power pack 	00.06700.0713

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Pipe cleaning nozzle holders

Pipe Cleaning Nozzle Holders
Nozzle type „A“, „B“, „M“

max. op. pressure [bar]	Ø x length [mm]	Nozzles		Connection thread	Code no.
		Quantity	Adjustment		
1600	80 x 125	4	4 x pull	M 36 x 2 DKO-S	00.01599.0397
	80 x 135	6 Protection disc	6 x pull		00.01599.0260
	90 x 106	19	6 x pull, 6 x push, 1 x central, 2 x radial	M 33 x 2, 20 low	00.01599.0414
1800	51 x 95	2	2 x pull	M 33 x 2, 20 low	00.01599.0273
	55 x 110	5	2 x pull, 2 x radial, 1 x central		00.01599.0272
	55 x 120	7	2 x pull, 2 x push, 1 x central, 2 x radial		00.01599.0405
	65 x 100	2	1 x pull, 1 x central	M 24 x 1,5 DKO-S	01.01599.0235
		4	3 x pull, 1 x central		01.01599.0234
	65 x 110	2	2 x radial	M 33 x 2, 20 low	00.01599.0262
		2	2 x pull		00.01599.0263
	65 x 110	5	2 x pull, 2 x radial, 1 x central		00.01599.0264
	65 x 120	7	2 x pull, 2 x push, 1 x central, 2 x radial	00.01599.0406	
	70 x 122	4 special design	2 x pull, 2 x push	00.01599.0388	
	76 x 152	4 special design	3 x pull, 1 x central	M 24 x 1,5 DKO-S	00.01599.0395
		4 special design	3 x pull		00.01599.0396
	80 x 110	7	2 x pull, 2 x push, 1 x central, 2 x radial	M 33 x 2, 20 low	00.01599.0389
	90 x 147	4	2 x pull, 2 x push		00.01599.0387
	138 x 147	4	2 x pull, 2 x push		00.01599.0390
144 x 147	4	2 x pull, 2 x push	00.01599.0386		



Pipe cleaning nozzle holders

15.D.3 – 08/10

Accessories

Description	Code no.
Banjo bolt M 18 x 1,5, max. 1500 bar	01.04732.0171
Banjo bolt M 18 x 1,5, max. 1800 bar	01.04732.0191
Cylinder ring in addition	01.00742.0142
Double nipple red. M 33 x 2 und M 36 x 2, max. 1650 bar	01.02981.0495
Double nipple red. M 33 x 2 und M 24 x 1,5, max. 1800 bar	01.02981.0490
Cylinder ring in addition	04.00742.0057

Additional double nipples see chapter 16.C.



Pipe Cleaning Nozzles Holders Nozzle type „F“, „G“, „H“

max. op. Pressure [bar]	Ø x length [mm]	Nozzles		Connection thread	Code no.
		Quantity	Adjustment		
1800	50 x 70	2	1 x pull, 1 x central	M 24 x 1,5 DKO-S	01.01599.0212
	50 x 90	3	2 x pull, 1 x central		01.01599.0211



HAMMELMANN®

Cleaning device

for external cleaning of pipes / tubulars

- For external cleaning/stripping of dirty and contaminated pipes/tubulars.
- The device comprises a sturdy stainless steel cabinet with internally mounted nozzle holder and guide rollers. The circular nozzle holder will accept 10 fan jet nozzles and when the cabinet is closed and operating the pipe / tubular is completely ringed by water jets. The adjustable guide rollers enable the pipe / tubular to be fed through the cabinet in a stable manner.
- The pipe / tubular is initially positioned for cleaning by opening the cabinet.
- Once the cabinet is closed and operating the waste and waste water can be directly vacuumed away for disposal.
- The vacuum function is monitored and if it malfunctions the control unit will immediately shut down the pump so that no contaminated water can escape the cabinet..
- Pipe / tubular dia.: 1", 1 ¼", 1 ½", 1 ¾"
(other sizes upon request).
- Max. op. pressure: 2000 bar
- Flow rate adjustable by nozzle sizing.
- Pressure connections.: 2 off M 30 x 2
- 10 Nozzle inserts Type „B“..

Cleaning device



opened



Code no..

09.00750.0048

Control unit



HAMMELMANN®

Application engineering

Standard



Surface blasting



Tank cleaning



Tube bundle cleaning



Pipe and sewer cleaning



Water hydraulic



Abrasive cutting

