



USB-AUS

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CATALOGUE

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Bottom Cleaner



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APPLICATIONS



Large Debris, Rocks, Mud, Sand, Silt

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Roots

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Spin-Jet	26
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Half /Completely Open Drain Pipes

FD2 Nozzle 3D	15
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Mineral Deposits, Calcium, Scale

Turbikit 3D	48	Turbo® Nozzles	30
Diamond Face Cutter 3D	47	T- / V-Hammer	28/29



Protruding Laterals or Pipes

Turbo® Nozzles w/ barrel cutter	30
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Toilet Safe

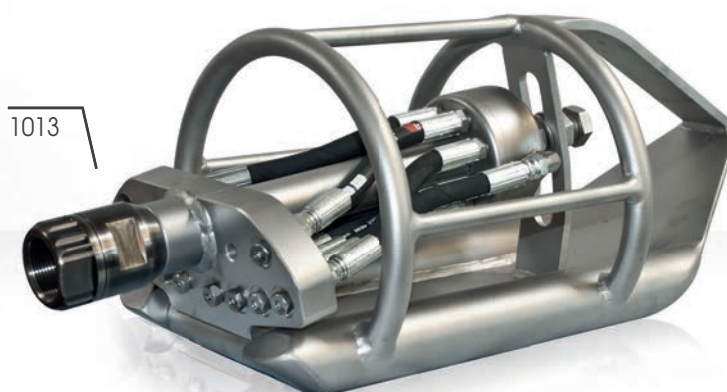
Primus Antiblaster	22
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







BAGGER MAX 3D



Forceful jet pattern and adjustable nozzle block

A high efficiency floor cleaner made of hardened stainless steel, the **Bagger Max 3D** includes an adjustable nozzle block that can be positioned between 0° - 30° depending on your application. The power manifold has built-in 3D fluid mechanics which produce an intense and forceful jet pattern resulting in outstanding excavation, traction and transportation of material even under water! Roll over bars enable this nozzle to return to its correct position every time. One piece-ceramic inserts and a high-pressure swivel come standard on this nozzle. ■



								
1013	G 1 1/4"	250	600 - 2500	250 x 600	36	10 x G 1/4" SW14	----	----
1015	G 1"	200	500 - 1500	220 x 500	26	8 x G 1/4" SW14	----	----
1017	G 1"	120	250 - 800	200 x 450	22	6 x G 1/4" SW14	----	----










FLOUNDER NOZZLE 3D



Ideal for cleaning sand, mud and gravel

Flat, compact, heavy and wedge-shaped, the **Flounder Nozzle 3D** is ideal for cleaning sand, dirt, mud, gravel and other material at the bottom of the pipe. The overall design, in combination with the 3D fluid mechanics, makes the cleaning process fast and effective. Optionally swivel joint. ■



								
1378	G 1"	120	400 - 1000	150 x 220	9	8 x M 8 ASK	----	----
1380	G ¾"	55	300 - 600	100 x 180	4	6 x M 6 ASK	----	----










ROCKET NOZZLE® 3D



ROCKET-like power!

The tight spray angle of 7° combined with one piece-ceramic inserts and 3D fluid mechanics produce incredible results. Constructed from hardened stainless steel, the **Rocket Nozzle® 3D** has a powerful jet pattern can flush dirt, mud, rocks and other large or heavy material found in sewer or storm pipes. ■



								
1156	G 1"	120	250 - 600	110 x 230	8,0	8 x G 1/4" SW9	----	----
1157	G 1"	120	200 - 500	100 x 210	5,3	8 x G 1/4" SW9	----	----










FLYING 3D



Flying 3D

High performance **Flying 3D** nozzle for smaller pipes. With 3D fluid mechanics for a powerful cleaning. ■



								
1120	G 1"	120	150 - 300	70 x 150	2,5	8 x M 8 ASK	----	----
1128	G ½"	30	100 - 200	40 x 60	0,4	6 x M 6 ISK	1 x M 6 ISK	----










COMBINATOR 3D



Spray angles for pipe cleaning and maintenance (15° /25°)

The **Combinator 3D** nozzle is produced from hardened stainless steel and includes 3D fluid mechanics and two different rear spray angles of 15° /25°. These spray angles are ideal for general pipe cleaning and preventative maintenance work. This nozzle comes standard with one-piece ceramic inserts. ■



								
1186	G 1"	120	250 - 800	110 x 230	8	10 x G 1/4" SW9	----	----
1187	G 1"	120	200 - 500	100 x 210	6	8 x G 1/4" SW9	----	----










CLEANING NOZZLE 3D



Rear-spraying angles and a forward-spraying jet

Hardened stainless steel construction with 3D fluid mechanics and two different rear spraying angles of 15°/25° make this nozzle ideal for general pipe cleaning and preventative maintenance work. A **forward-spraying jet** is also included. ■



								
1060	G 1"	120	150 - 400	70 x 125	2,2	8 x M 8 ASK	1 x M 8 ASK	----
1071	G ½"	40	100 - 250	60 x 95	1,3	6 x M 8 ASK	1 x M 8 ASK	----
1075	G ½"	30	60 - 150	40 x 60	0,4	6 x M 6 ISK	1 x M 6 ISK	----










TRI-JET 3D



A high-performance nozzle with options

The **Tri-Jet 3D** available in aluminum or stainless steel, makes use of three different optimal rear spray angles, 7°/14°/21°. As an option, one of the spray angles can be blocked off all the way around the nozzle to focus the cleaning process on pulling, flushing or cleaning with the remaining two spray angles. ■



								
1218	G 1"	220	250 - 800	110 x 230	8,0	15 x G ¼" SW9	----	----
1213	G 1"	180	200 - 500	100 x 210	6,0	12 x G ¼" SW9	----	----
1210	G 1"	180	100 - 300	70 x 125	2,5	12 x M 8 ASK	1 x M 8 ASK	----










EGG NOZZLE 3D



Designed for easy mobility and powerful cleaning

With its contoured egg-shaped design and 20° rear propulsion jets, the **Egg Nozzle 3D** is designed to slide easily down the pipe. 3D fluid mechanics and one-piece ceramic inserts deliver water that efficiently and effectively cleans while propelling the nozzle. ■



								
1082	G ¾"	80	150 - 250	55 x 75	0,8	8 x M 6 ASK	1 x M 6 ASK	----
1083	G ½"	30	100 - 200	40 x 60	0,3	6 x M 6 ISK	1 x M 6 ISK	----
1084	G ⅜"	25	100 - 150	35 x 50	0,2	5 x M 6 ISK	1 x M 5 ISK	----
1085	G ¼"	10	50 - 100	30 x 40	0,1	6 x M 4 ISK	1 x M 4 ISK	----










FS NOZZLE 3D



A penetrating nozzle that opens tough blockages and slides with ease

Designed to penetrate pipes with tough blockages, the **FS Nozzle 3D** is made from hardened stainless steel and features 3D fluid mechanics and four forward-facing one-piece ceramic inserts at 0° / 15°. The 20° rear propulsion jets combined with the smooth egg shape enables the nozzle to slide easily down the pipe. ■



								
1173	G ¾"	80	100 - 300	55 x 70	0,7	8 x M 6 ASK	4 x M 6 ASK	----
1174	G ½"	30	70 - 150	40 x 60	0,3	6 x M 6 ISK	4 x M 6 ISK	----
1175	G ⅜"	25	50 - 100	35 x 50	0,2	5 x M 6 ISK	4 x M 5 ISK	----
1176	G ¼"	10	50 - 100	30 x 40	0,1	6 x M 4 ISK	4 x M 4 ISK	----

FD2 NOZZLE 3D



Power meets control

The **FD2 Nozzle 3D** was designed to clean half open or completely open drain pipes! The hardened stainless-steel nozzle includes 3D fluid mechanics that provide excellent cleaning and pulling power. At the same time, the one-piece ceramic inserts spray at an angle which prevents water from splashing upwards out of the channel. ■



1280	G 1"	120	200	75 x 190	3,8	8 x M 8 ASK	1 x M 8 ASK	----
1290	G ½"	30	100	50 x 110	1,2	6 x M 6 ASK	1 x M 6 ISK	----

3D EXTREME



Exceptional cleaning and pulling power

Ideal for pipes that may have holes in the bottom or offsets, the **3D Extreme** nozzle is a worthy tool to have in your tool box. 3D fluid mechanics and one-piece ceramic inserts create a strong jet pattern with a spray angle of 11°, resulting in exceptional cleaning and pulling power. One forward jet offers a penetration option as well. ■



1136	G 1"	120	150 - 400	70 x 222	4,1	8 x M 8 ASK	1 x M 8 ASK	----










STANDARD NOZZLE



A nozzle that sets new standards for cleaning smaller pipes

Compact, lightweight and inexpensive are three words that sum up the **Standard Nozzle**. Made from hardened stainless steel with a rear spray angle of 20°, this nozzle is perfect for cleaning smaller pipes. A front jet for penetration is also available. ■



								
1251	G 1¼"	180	150 - 300	60 x 90	1,0	10 x M 6 ISK	1 x M 6 ISK	----
1256	G 1"	120	150 - 250	56 x 80	0,7	10 x M 6 ISK	1 x M 6 ISK	----
1260	G ½"	30	60 - 150	30 x 50	0,1	6 x drilled	1 x M 5 ISK	----
1268	G ¾"	25	50 - 150	25 x 35	0,1	6 x drilled	1 x M 5 ISK	----










BALL NOZZLE



Compact and very light

The **Ball Nozzle** is perfect for standard cleaning. ■



								
1255	G 1"	120	150 - 250	58 x 52	0,7	12 x M 6 ASK	4 x M 6 ISK	----
1262	G ½"	30	50 - 150	32 x 27	0,1	6 x M 4 ISK	1 x M 5 ISK	----

SUPER 12



A small nozzle that packs a punch—and navigates tight corners

Don't be fooled by its small size, the **Super 12** gets the job done. The 12 rear propulsion jets are more than any other ½" nozzle in our inventory. And the 15° angle makes this nozzle ideal for use around tight corners. ■



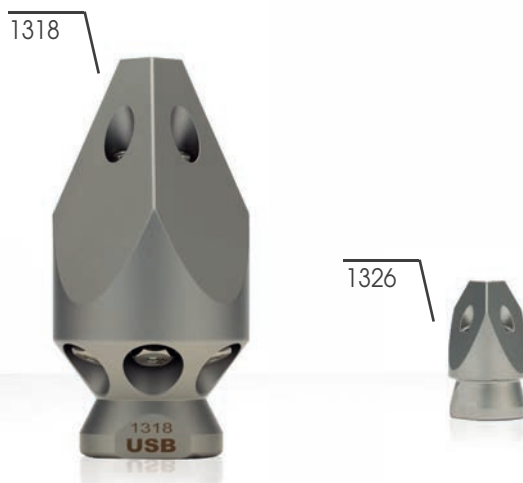
1205	G ½"	30	40 - 150	30 x 50	0,1	12 x M 4 ISK	1 x M 4 ISK	----









CHISEL NOZZLE



Reliable, powerful and effective at tough blockages

the **Chisel Nozzle** is a reliable sewer cleaning nozzle that is a must have! Sharp edges and multiple forwards jets deliver powerful penetration to effectively open open tough total blockages. A drill point can be added to the front of the Chisel as well. ■



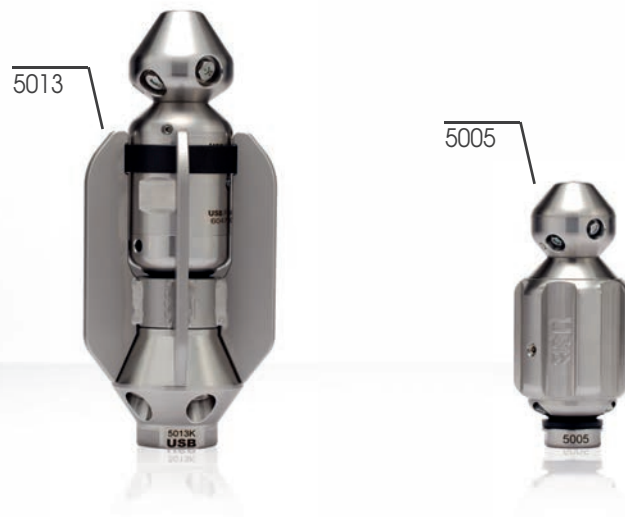
							
1318	G 1"	120	200 - 500	75 x 160	2,20	6 x G 1/4" SW14	4 x M 8 ASK + 1 x M 10 ISK + Headbeam centric
1326	G 1/2"	30	100 - 200	30 x 60	0,15	6 x drilled	3 x M 5 ISK + 1 x M 6 ISK










PRIMUS I & II



A user-friendly, innovative nozzle that flushes out debris

Designed for controlled rotation and use with recycled water, the innovative **Primus** requires no lubrication or replacement of internal parts for at least one year. The nozzle is built from hardened stainless steel. A rotating head removes grease, light scale and roots. And the 3D fluid mechanics in the propulsion unit flush out debris, providing outstanding results. ■



									
PRIMUS I									
5005		G ½"	30	80 - 250	60 x 135	1,4	3 x M 6 ASK	1 x M 6 ASK	4 x M 6 ASK
PRIMUS II									
5013		G 1"	120	150 - 500	100 x 230	3,6	5 x M 10 ASK	1 x M 10 ASK	4 x M 10 ASK

PRIMUS ANTIBLASTER



3D



Controlled rotation for shallow sewer lines

Designed to reduce the chances of blowing toilets, the **Primus Antiblaster** nozzle is a controlled rotating nozzle that is also low maintenance. The nozzle is built from hardened stainless steel and removes grease, light scale and roots while the wide 42° rear spray angles in the propulsion unit clean / flush out debris. ■



5018



G 1"



120



150 - 500



100 x 230



3,6



5 x M 10 x 1



1 x M 10 x 1



4 x M 10 x 1

BABY-GATOR



High Performance Rotating Nozzle

The **Baby-Gator** nozzle cuts and remove roots, grease, blockages and scale in various pipes ranging from 60 - 150. Encased in a compact stainless-steel body the strong reinforced internal design rotates the head. 3D fluid mechanics in the head smoothly direct all the incoming high-pressure water to the four rotating jets in the rear of the head and one in the front. These rotating jets create an extremely powerful 360 degree all around complete cleaning of the pipe, flushing and removing debris in less passes. The offset front jet eliminates blockages easily and effectively. The Baby-Gator nozzle is available in a case kit. ■

5015
BABY-GATOR
CASE KIT



CASE KIT								
5015	G 3/8"	25	60 - 150	34 x 90	1,7	----	1 x M 6 SW4	4 x M 6 SW4

MINI-GATOR












High Performance Rotating Nozzle

The **Mini-Gator** nozzle cuts and remove roots, grease, blockages and scale in various pipes ranging from 60 - 250. Encased in a compact stainless-steel body the strong reinforced internal design rotates the head. 3D fluid mechanics in the head smoothly direct all the incoming high-pressure water to the four rotating jets in the rear of the head and one in the front. These rotating jets create an extremely powerful 360 degree all around complete cleaning of the pipe, flushing and removing debris in less passes. The offset front jet eliminates blockages easily and effectively. The Mini-Gator nozzle is available in a case kit. ■

5025
MINI-GATOR
CASE KIT



								
CASE KIT								
5025	G ½"	30	60 - 250	40 x 100	2,2	----	1 x M 6 ASK	4 x M 6 ASK

High performance rotating cutter

Gator Nozzle with 3D fluid mechanics for removing roots and light scale.










The dynamic rotating front jet cuts and removes easily fine roots, grease, light scale and blockages.

The rear jets in the head clean the pipe completely 360° all around and flush out the loosened debris. The Gator nozzle is available in a case kit. ■



5035
GATOR
CASE KIT



								
CASE KIT		l/min	mm	Ø x L mm	KG	Rear Jets	Front Jets	HEAD
5035	G1"	120	150 - 600	115 x 220	13	----	1 x G ¼" SW9	4 x G ¼" SW9

SPIN-JET



A controlled, rotating nozzle for cleaning lift stations, barrels and manholes

The **Spin-Jet** is a self-centering, controlled rotating nozzle that is used for cleaning lift stations, barrels and manholes prior to rehabilitation. Available in two different versions, the Spin-Jet has driving nozzles that rotate in a 360° horizontal plane only. This action eliminates the need to cover the manhole during operation, allowing for constant viewing of the cleaning process. Front jets thoroughly clean any grease, sludge or mud at the bottom. All nozzles are also available without extensions.



5050	G 1/2"	40	----	270 x 175	2,3	----	3 x M 6 ASK	3 x G 1/4"
5052	G 3/4"	100	----	270 x 190	3,0	----	3 x M 6 ASK	6 x G 1/4"
5055	G 1"	220	----	300 x 240	5,6	----	3 x M 6 ASK	6 x G 1/4"






5070	Nozzle extension G 1/4" AG x G 1/4" IG, 25 mm
5072	Nozzle extension G 1/4" AG x G 1/4" IG, 50 mm
5074	Nozzle extension G 1/4" AG x G 1/4" IG, 100 mm



Multi-angled inserts and rear propulsion jets remove and flush debris

Rotor Nozzles feature three one-piece ceramic inserts in the middle rotating section with spray angles of 90°/75°/60°, effectively removing grease, dirt and light roots from pipes. Rear propulsion jets help flush the debris. Constructed of hardened stainless steel, the nozzles include non-corrosive, low-maintenance rotating centers. ■



							
1357	G ½"	30	100 - 200	40 x 75	0,6	3 x M 6 ISK	3 x M 6 ISK
1360	G ¾"	25	50 - 150	30 x 60	0,2	3 x M 4 ISK	3 x M 4 ISK
1363	G ¼"	10	... - 100	16 x 26	0,1	only rotor drilled 3 x 45°	---

T-HAMMER



Controlled force for plastic pipes

The **T-Hammer**'s middle rotor section generates vibration in plastic pipes to break up deposits and other hard materials. Turbine technology controls the agitation. This stainless steel nozzle can be used with recycled water and comes standard with one-piece ceramic inserts. ■



1335	G 1"	120	150 - 400	90 x 200	5	6 x M 12 ISK	3 x M 6 ISK	3 x M 12 ISK + 1 x M 6 ASK

WARNING

Use in thick plastic pipes only!! NEVER use in clay, concrete or thin plastic pipes!

V-HAMMER



Powerful impact for plastic pipes

The **V-Hammer**'s middle rotor section generates vibration in plastic pipes to break up deposits and other hard materials that can then be flushed out. Less aggressive options for the top cap section are also available. ■



1337	G1"	80	100 - 300	70 x 120	1,8	6 x M 6 ASK	----	3 x M 6 ASK
1339	G ½"	30	100 - 200	45 x 80	0,6	3 x M 6 ISK	----	3 x M 6 ISK
1340	G ¾"	25 - 100	32 x 60	0,15	3 x M 4 ISK	----	3 x M 4 ISK
1344	G ½"	30	50 - 150	32 x 58	0,15	3 x M 4 ISK	----	3 x M 4 ISK

WARNING

**Use in thick plastic pipes only!! NEVER use in clay, concrete or thin plastic pipes.
We decline every demand for warranty.**

One of the smallest chain cutters offered by USB-AUS, the **Turbo® 0** utilizes turbine technology and 3D fluid mechanics to deliver supreme cutting and cleaning power. Multiple chain attachments, and rigid guide skids 100 - 150 make the removal of roots, grease and mineral deposits much easier. This cutter is constructed from hardened stainless steel, comes standard with one-piece ceramic nozzle inserts and is capable of use with recycled water. ■



Turbo® 0 CASE KIT

Product No. 2050 ■

TURBO® 0 ACCESSORIES



2001 Guide skid 100

2002 Guide skid 125

2003 Guide skid 150



2010M Chain retainer w/ chain and knives 100

2011M Chain retainer w/ chain and knives 125

2012M Chain retainer w/ chain and knives 150



2010 ARS Chain w/ blocks \varnothing 100

2011 ARS Chain w/ blocks \varnothing 125

2012 ARS Chain w/ blocks \varnothing 150

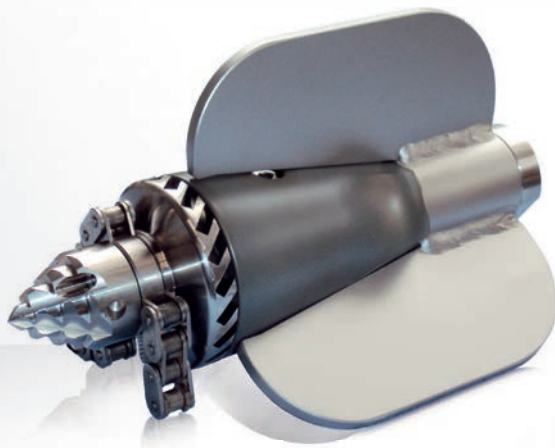










2038 Block for chain



2020 Replacement chain | 1 m

The **Turbo® I** rigid chain cutter was engineered to be powerful, durable, user friendly and require low maintenance. This cutter uses turbine technology in combination with 3D fluid mechanics to deliver unmatched cutting performance in its operating range. Roots, grease and mineral deposits do not stand a chance against the Turbo® I. Rigid guide skids are available from 100 - 200. The cutter comes standard with one-piece ceramic inserts and a high-pressure swivel and is capable of use with recycled water. ■



							
CASE KIT							
2150	G ½" ¾"	50	100 - 200	85 x 170	7,5	3 x M 6 ISK	3 x M 6 ISK

Turbo® I CASE KIT

Includes:

Guide Skids 100 | 125 | 150 | 200

Chain retainer w/ chains and knives	100	125	150	200
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Tools for cutter

Weight: 7,5 kg

Product No. 2150 

TURBO® I ACCESSORIES



2101 Guide skid 100

2102 Guide skid 125

2103 Guide skid 150

2104 Guide skid 200



2110M Chain retainer w/ chain and knives 100

2111M Chain retainer w/ chain and knives 125

2112M Chain retainer w/ chain and knives 150

2113M Chain retainer w/ chain and knives 200



2110 ARS Chain retainer w/ chain and blocks 100

2111 ARS Chain retainer w/ chain and blocks 125

2112 ARS Chain retainer w/ chain and blocks 150

2113 ARS Chain retainer w/ chain and blocks 200



2138 Block for chain



2120 Replacement chain | 1 m



2160 Diamond face cutter 100

2164 Diamond face cutter 150



2168 Center cap for face cutter









TURBO® II - FLEX



An impressive cutter with flexible guide skid (150 -300)

The **Turbo® II - FLEX** flexible chain cutter was engineered to be powerful, durable, user friendly and require low maintenance. Made from high quality stainless steel and aluminium, the cutter uses turbine technology in combination with 3D fluid mechanics to deliver unmatched cutting performance in its operating range. Roots, grease, mineral deposits and providing taps don't stand a chance against this impressive cutter. The flexible guide skids are available from 150 - 300, making it capable of handling offsets in the pipe. The cutter comes standard with one-piece ceramic inserts and a high-pressure swivel and is capable of use with recycled water. ■



							
CASE KIT							
2205	G 1" ¾"	120	150 - 300	135 x 430	15	3 x M 12 ISK	3 x M 6 ISK

Turbo® II FLEX CASE KIT

Includes:

chain 150 | 200 | 250 | 300 mm

chain w/knives 150 | 200 | 250 | 300 mm

Product No. 2205 ■

TURBO® II - FLEX ACCESSORIES



2210M 3 Piece set of chain w/ knives 150 AR

2211M 3 Piece set of chain w/ knives 200 AR

2214M 3 Piece set of chain w/ knives 225 AR

2213M 3 Piece set of chain w/ knives 300 AR



2210S 3 Piece set of chain w/ T-Hammer bits 150

2211S 3 Piece set of chain w/ T-Hammer bits 200

2214S 3 Piece set of chain w/ T-Hammer bits 225

2213S 3 Piece set of chain w/ T-Hammer bits 300



2260 Diamond face cutter 150

2262 Diamond face cutter 200



2268 Center cap for face cutter



2220 Replacement chain | 1 m



2236 Slide-thru chain retainer



2238 T-Hammer knife

2239 T-Hammer knife diamond









TURBO® S400



A cutter that leaves nothing in its path (flexible guide skid 200 - 400)

The **Turbo® S400** flexible chain cutter was engineered to be powerful, durable, user friendly and require low maintenance. Made from high quality stainless steel and aluminium, this cutter uses turbine technology in combination with 3D fluid mechanics to deliver unmatched cutting performance in its operating range. Roots, grease, mineral deposits and protruding taps don't stand a chance against this impressive cutter. The flexible guide skid is adjustable between 200 - 400, making it capable of handling offsets in the pipe. An extension kit increases the cutters operation up to 600. The cutter comes standard with one-piece ceramic inserts and a high-pressure swivel and is capable of use with recycled water. ■



							
CASE KIT							
2505	G 1"	120	200 - 400	180 x 550	27	3 x M 12 ISK	3 x M 12 ISK

Base unit with chain set Standard for DN 200. Slide steplessly adjustable up to DN 400.

Turbo® S400 CASE KIT

Includes:

chain 200 | 250 | 300 | 350 | 400 mm

chain w/knives 200 | 250 | 300 | 350 | 400 mm

Product No. 2505 ■

TURBO® S400 ACCESSORIES



2510M 3 Piece set of chain w/ knives 200

2515M 3 Piece set of chain w/ knives 225

2511M 3 Piece set of chain w/ knives 250

2512M 3 Piece set of chain w/ knives 300

2513M 3 Piece set of chain w/ knives 350

2514M 3 Piece set of chain w/ knives 400

2510S 3 Piece set of chain w/ T-Hammer knives 200

2515S 3 Piece set of chain w/ T-Hammer knives 225

2511S 3 Piece set of chain w/ T-Hammer knives 250

2512S 3 Piece set of chain w/ T-Hammer knives 300

2513S 3 Piece set of chain w/ T-Hammer knives 350

2514S 3 Piece set of chain w/ T-Hammer knives 400

2510D 3 Piece set of chain w/ diamond knives 200

2515D 3 Piece set of chain w/ diamond knives 225

2511D 3 Piece set of chain w/ diamond knives 250

2512D 3 Piece set of chain w/ diamond knives 300

2513D 3 Piece set of chain w/ diamond knives 350

2514D 3 Piece set of chain w/ diamond knives 400

2538 T-Hammer knife

2539 T-Hammer knife diamond

2520 Replacement chain | 1 m

2536 Slide-thru chain retainer

Diamond tap cutter (on request)









TURBO® III



A cutter that leaves nothing in its path (flexible guide skid 250 - 500)

The **Turbo® III** flexible chain cutter was engineered to be powerful, durable user friendly and require low maintenance. Made from high quality stainless steel and aluminum, this cutter uses turbine technology in combination with 3D fluid mechanics to deliver unmatched cutting performance in its operating range. Roots, grease, mineral deposits and protruding taps do not stand a chance against this impressive cutter. The flexible guide skid is adjustable between 250 - 500, making it capable of handling offsets in the pipe. An extension kit increases the cutters operation up to 1000. The cutter comes standard with one-piece ceramic inserts and a high-pressure swivel and is capable of use with recycled water. ■



							
CASE KIT							
2305	G 1¼" 1"	120	250 - 500*	235 x 720	40	3 x M 12 ISK	3 x M 12 ISK

Base unit with chain set with bits for DN 250 mm incl. Nozzle swivel joint. Slide steplessly adjustable up to DN 500.

*optionally extendable up to 1000 mm incl. Nozzle swivel joint

Turbo® III CASE KIT incl. swivel joint

Included:

chain 250 | 300 | 350 | 400 | 500 mm

chain w/knives 250 | 300 | 350 | 400 | 500 mm

Product No. 2305 ■

TURBO® III ACCESSORIES



2315M 3 Piece set of chain w/ knives 225

2310M 3 Piece set of chain w/ knives 250

2311M 3 Piece set of chain w/ knives 300

2312M 3 Piece set of chain w/ knives 350

2313M 3 Piece set of chain w/ knives 400

2314M 3 Piece set of chain w/ knives 500

2315S Chain retainer w/ chain and blocks 225

2310S Chain retainer w/ chain and blocks 250

2311S Chain retainer w/ chain and blocks 300

2312S Chain retainer w/ chain and blocks 350

2313S Chain retainer w/ chain and blocks 400

2314S Chain retainer w/ chain and blocks 500

2315D 3 Piece set of chain w/ diamond knives 225

2310D 3 Piece set of chain w/ diamond knives 250

2311D 3 Piece set of chain w/ diamond knives 300

2312D 3 Piece set of chain w/ diamond knives 350

2313D 3 Piece set of chain w/ diamond knives 400

2314D 3 Piece set of chain w/ diamond knives 500

2336 Slide-thru chain retainer

2338 T-Hammer knife

2339 T-Hammer knife diamond

2320 Replacement chain 16B | 1 m

2330 Replacement chain 12B | 1 m

2366M Chain retainer wheel 250 mm for DN 600 w/ 3 tabs up to 3/4" & 1"

2368M Chain retainer wheel 500 mm for DN 800 w/ 8 tabs up to 3/4"

2370M Chain retainer wheel 500 mm for DN 1000 3/4"

2367M 700 Replacement chain with knife for DN 700 | KR250

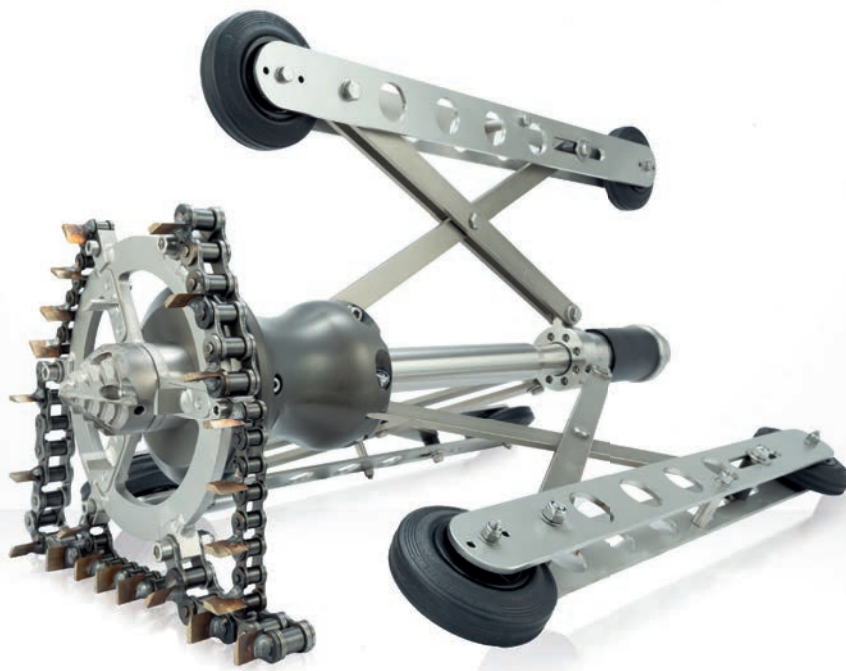
2369M 900 Replacement chain with knife for DN 900 | KR500









TURBO® IV



A cutter that leaves nothing in its path (flexible guide skid 400 - 800)

The **Turbo® IV** flexible chain cutter was engineered to be powerful, durable user friendly and require low maintenance. Made from high quality stainless steel and aluminum, this cutter uses turbine technology in combination with 3D fluid mechanics to deliver unmatched cutting performance in its operating range. Roots, grease, mineral deposits and protruding taps do not stand a chance against this impressive cutter. The flexible guide skid is adjustable between 400 - 800, making it capable of handling offsets in the pipe. An extension kit increases the cutters operation up to 1200. The cutter comes standard with one-piece ceramic inserts and a high-pressure swivel and is capable of use with recycled water. ■



							
CASE KIT							
2355	G1¼" 1"	200	400 - 800	380 x 950	45	3 x G ¼"SW9	6 x M 12 ISK

Base unit with chain set standard for DN 400 mm. Guide slide continuously adjustable up to Ø 800 mm incl. Swivel joint (in conjunction with a bucket extension up to Ø 1200 mm).

2605 Extension up to Ø 1200 mm

Turbo® IV CASE KIT

chain w/knives for DN 400 | 500 | 600
chain wheel w/knives for DN 600 | 1000
Replacement chain w/knives
for DN 700 | 800 | 900

Product No. 2351 ■

TURBO® IV ACCESSORIES



2354M 3 Piece set of chain w/ knives 400

2355M 3 Piece set of chain w/ knives 500



2354S Chain w/ block for chain 400

2355S Chain w/ block for chain 500



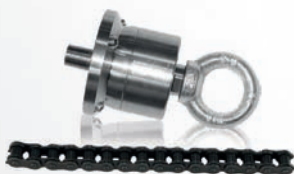
2354D 3 Piece set of chain w/ diamond knives 400

2355D 3 Piece set of chain w/ diamond knives 500



2338 Block for chain

2339 Block for chain w/ diamond



2398 Pulling eye swivel

2320 Replacement chain | 6 ft



2366M Chain retainer wheel 250 mm | DN 600 | 3 chains $\frac{3}{4}$ " | 1"

2368M Chain retainer wheel 500 mm | DN 800 | 8 chains $\frac{3}{4}$ "

2370M Chain retainer wheel 500 mm | DN 1000 | 8 chains $\frac{3}{4}$ "

2366M 600 Replacement chain with knife DN 600 | KR250

2367M 700 Replacement chain with knife DN 700 | KR250

2368M 800 Replacement chain with knife DN 800 | KR500

2369M 900 Replacement chain with knife DN 900 | KR500

2370M 1000 Replacement chain with knife DN 1000 | KR500



2366S Chain retainer wheel 250 mm | DN 600 | 3 chains $\frac{3}{4}$ " | 1"

2368S Chain retainer wheel 500 mm | DN 800 | 8 chains $\frac{3}{4}$ "

2370S Chain retainer wheel 500 mm | DN 1000 | 8 chains $\frac{3}{4}$ "

2366S 600 Replacement chain with block for chain DN 600 | KR250

2367S 700 Replacement chain with block for chain DN 700 | KR250

2368S 800 Replacement chain with block for chain DN 800 | KR500

2369S 900 Replacement chain with block for chain DN 900 | KR500

2370S 1000 Replacement chain with block for chain DN 1000 | KR500









TURBO® S200



A cutter that leaves nothing in its path (flexible guide skid 200 - 400)

The **Turbo® S200** flexible chain cutter was engineered to be powerful, durable, user friendly and require low maintenance. Made from high quality stainless steel and aluminum, this cutter uses turbine technology in combination with 3D fluid mechanics to deliver unmatched cutting performance in its operating range. Roots, grease, mineral deposits and protruding taps do not stand a chance against this impressive cutter. The flexible guide skid is adjustable between 200 - 400, making it capable of handling offsets in the pipe. The cutter comes standard with one-piece ceramic inserts, a high-pressure swivel and is capable of being used with recycled water. ■



							
CASE KIT							
2755	G 1"	120	200 - 400	180 x 610	38	3 x G 1/4" SW9	6 x G 1/4" SW9

Base unit with chain set Standard for DN 200 mm incl. Swivel. Slide steplessly adjustable up to DN 400.

Turbo® S200 CASE KIT **incl. swivel joint**

Includes:

chain 200 | 250 | 300 | 400 mm

chain w/knives 200 | 250 | 300 | 400 mm

Product No. 2755 ■

TURBO® S200 ACCESSORIES



2760M Chain retainer w/ chain and knives 200 AR

2761M Chain retainer w/ chain and knives 250 AR

2762M Chain retainer w/ chain and knives 300 AR

2763M Chain retainer w/ chain and knives 400 AR

2764M Chain retainer w/ chain and knives 225 AR



2760S Chain retainer w/ chain and blocks 200 AR

2761S Chain retainer w/ chain and blocks 250 AR

2762S Chain retainer w/ chain and blocks 300 AR

2763S Chain retainer w/ chain and blocks 400 AR

2764S Chain retainer w/ chain and blocks 225 AR



2760D Chain retainer w/ chain and diamonds 200 AR

2761D Chain retainer w/ chain and diamonds 250 AR

2762D Chain retainer w/ chain and diamonds 300 AR

2763D Chain retainer w/ chain and diamonds 400 AR

2764D Chain retainer w/ chain and diamonds 225 AR



2778 Block for chain

2779 Block for chain diamond



2798 Pulling eye swivel

2770 Replacement chain | 1 m



2776 Slide thru chain retainer

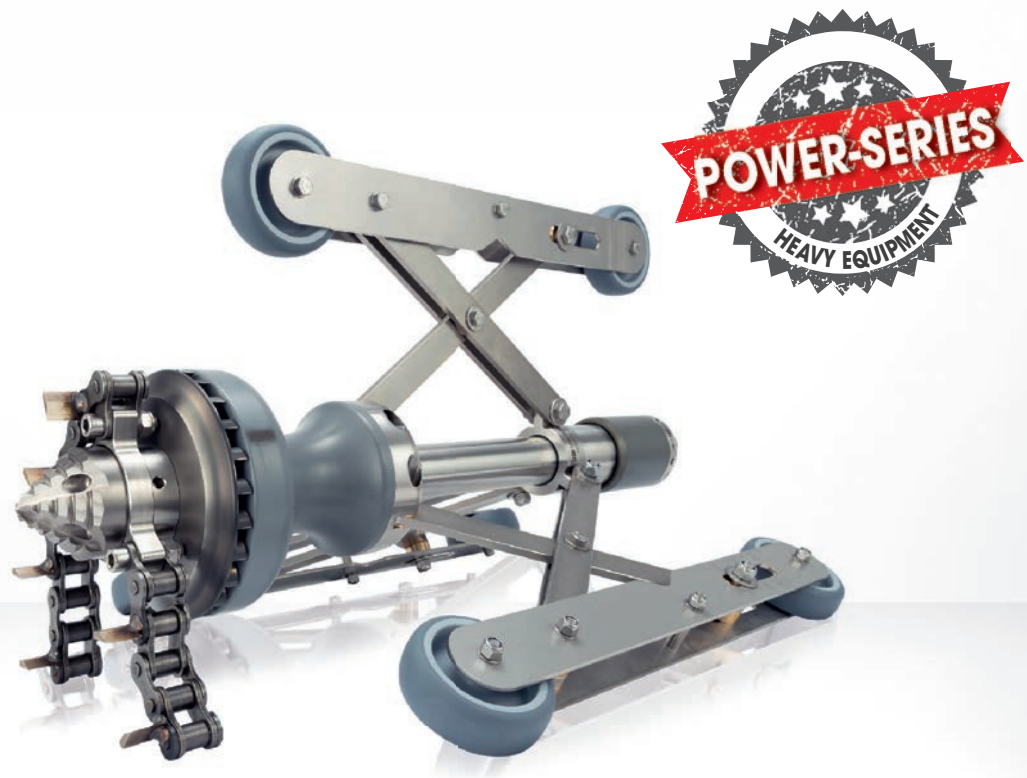
2777 Quick change chain retainer









TURBO® S600



A heavy-duty cutter that leaves nothing in its path (flexible guide skid 300 - 600)

The **Turbo® S600** flexible chain cutter was engineered to be powerful, durable, user friendly and require low maintenance. Made from high quality stainless steel aluminum, this heavy-duty cutter uses turbine technology in combination with 3D fluid mechanics to deliver unmatched cutting performance in its operating range. Roots, grease, mineral deposits and protruding taps do not stand a chance against this impressive cutter. The flexible guide skid is adjustable between 300 - 600, making it capable of handling offsets in the pipe. The cutter comes standard with one-piece ceramic inserts, a high-pressure swivel and is capable of being used with recycled water. ■



							
CASE KIT							
2655	G 1¼" 1"	120	300 - 600	260 x 750	45	3 x G ¼" SW9	6 x G ¼" SW9

Base unit with chain set Standard for DN 300 incl. Swivel. Slide steplessly adjustable up to DN 600.

Turbo® S600 CASE KIT incl. swivel joint

Includes:

chain 300 | 400 | 500 | 600 mm

chain w/knives 300 | 400 | 500 | 600 mm

Product No. 2655 ■

TURBO® S600 ACCESSORIES



2610M 3 Piece set of chain w/ knives 300 QCR



2611M 3 Piece set of chain w/ knives 400 QCR



2612M 3 Piece set of chain w/ knives 500 QCR



2613M 3 Piece set of chain w/ knives 600 QCR

2610S Chain retainer w/ chain and blocks 300 AR

2611S Chain retainer w/ chain and blocks 400 AR

2612S Chain retainer w/ chain and blocks 500 AR

2613S Chain retainer w/ chain and blocks 600 AR

2610D Chain retainer w/ chain and diamond 300 AR

2611D Chain retainer w/ chain and diamond 400 AR

2612D Chain retainer w/ chain and diamond 500 AR

2613D Chain retainer w/ chain and diamond 600 AR

2638 Block for chain

2639 Block for chain diamond



2698 Pulling eye swivel

2620 Replacement chain | 1 m



2637 Quick change chain retainer



2636 Slide thru chain retainer

PIPE WOLF NOZZLE 3D



A beast for organic blockages

The **Pipe Wolf Nozzle 3D** is an extremely aggressive specialty tool perfect for total blockages that are made from organic material. A hardened, tapered head with sharp edges utilizes turbine technology and spins at approximately 10,000 rpms, boring a hole and opening up the blockage. This essential nozzle comes standard with one-piece ceramic inserts, can be used with recycled water and delivers in emergency situations. ■



1982	G 1"	120	150 - 200	72 x 176	2,6	6 x M 8 ASK	3 x M 6 ISK
1980	G ½"	30	100 - 150	54 x 120	1,1	6 x M 6 ASK	3 x M 6 ISK

1987F	Replacement head Milling tip for Product No. 1982 Ø 72 0,7 kg
1986F	Replacement head Milling tip for Product No. 1980 Ø 54 0,3 kg

DIAMOND FACE CUTTER 3D



An aggressive tool for total blockages and mineral deposits

The **Diamond Face Cutter 3D** is an extremely aggressive specialty tool perfect for total blockages and some hardened mineral deposits. Turbine technology and 3D fluid mechanics spin a cutting head equipped with diamond bits and sharp edges at approximately 10,000 rpms, boring a hole and opening the blockage. This nozzle comes standard with one-piece ceramic and can be used with recycled water. ■



2452	G 1"	120	150 - 200	72 x 130	3,0	6 x M 8 ASK	3 x M 6 ISK
2450	G ½"	30	100 - 150	57 x 105	1,1	6 x M 6 ASK	3 x M 6 ISK

1987	Replacement head for Diamond Cutter No. 2451 and 2452 Ø 72 0,5 kg
1986	Replacement head for Diamond Cutter No. 2450 Ø 57 0,3 kg

TURBIKIT 3D



High strength open-link chain

Open-link chain makes the **Turbikit 3D** unique from other chain cutters offered by USB-AUS. Driven by a turbine technology, the high strength open link chain delivers extremely effective cutting power. The cutter can be used to remove roots and mineral deposits from the sewer pipe without a centralizing skid. The cutter comes standard with one-piece ceramic inserts and a high-pressure swivel and is capable of use with recycled water. ■



2400	G ¾" ½"	30 - 150	80 - 150	60 x 165	1,7	6 x M 6 ASK	3 x M 6 ISK

	Replacement chain
2411	Replacement chain 3 x 7 links Ø 100
2412	Replacement chain 3 x 9 links Ø 125
2413	Replacement chain 3 x 11 links Ø 150
2414	Replacement chain 3 x 13 links Ø 200

	Replacement chain w/ diamond bits
2411D	Replacement chain DIA 3 x 7 links Ø 100
2412D	Replacement chain DIA 3 x 9 links Ø 125
2413D	Replacement chain DIA 3 x 11 links Ø 150
2414D	Replacement chain DIA 3 x 13 links Ø 200

2410	Replacement chain piece goods
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2420	Replacement screws 6 x M 6
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High efficiency in a compact design

The **Beaver** nozzle is a small maneuverable cutting head for removing roots and mineral deposits from pipes. A quick-change system for the rotating heads allows the user to easily change between the standard cutting head or the diamond cutting head. The 3D fluid mechanics and turbine technology propel and spin the head aggressively to open blockages. Once-piece ceramic inserts come standard and the nozzle can be used with recycled water. ■



2475
Beaver
**CASE
KIT**



2475	G 1/2"	30 - 150	80 - 150	75 x 95	4,2	6 x M 6 ASK	3 x M 6 ISK
2485	G 1/2"	30 - 150	80 - 150	75 x 95	4,2	6 x M 6 ASK	3 x M 6 ISK

Product No. 2475

Head for roots already pre-assembled.
Diamond head for debris enclosed loose.

Product No. 2485

Diamond head for deposits already pre-assembled.
Head for roots enclosed loose.

Case weight: 4,2 kg

RADIAL FLEX SKID



Tackle large diameter pipes

The **Radial Flex Skid** is a controlled rotating nozzle with flexible guide skid for large diameter pipes of up to 2500. The 360° cleaning thoroughly removes hardened grease and some mineral deposits from the top of the pipe. Constructed from high quality stainless steel and aluminum, this flexible skid is adjustable within 1,5, very user friendly and can be used with recycled water. ■



5250	G 1 1/4" 1"	180	500 - 2500	470 x 970	42	3 x M 12 ISK	----	4 x G 1/4" SW14

5070	Nozzle extension 25 mm
5072	Nozzle extension 50 mm
5074	Nozzle extension 100 mm

OVERSIZED NOZZLES



Special applications require special tools

Oversized nozzles are larger and heavier than ordinary cleaning nozzles. These nozzles are mainly used in conjunction with high water volumes and large hose diameters in big sewer lines. With 120 - 210. 210 GPM and high-pressure hose 1 ¼" to 1 ½", deposits can be loosened and transported in these, constantly water bearing sewers. Due to their mass, the oversized nozzles will stay on the bottom of the sewer and never float. These nozzles come with one-piece ceramic inserts. ■

1010
Bagger Max
3D









1030
Speed Power
3D

1191
Radial Clean
3D

1227
Tri-Jet 3D

1180
Combinator
3D



							
1010 Bagger Max 3D	G 1½" 1¼" 1"	350	1000 - 5000	440 x 820	76	14 x G ¼" SW14	----
1030 Speed Power 3D	G 1¼" 1"	200	300 - 2000	190 x 420	48	8 x G ¼" SW9	----
1180 Combinator 3D	G 1½" 1¼" 1"	200	400 - 3000	190 x 315	36	12 x SW9	----
1191 Radial Clean 3D	G 1½" 1¼" 1"	200	300 - 600	190 x 315	36	6 x G ¼" SW9	10 x G ¼"
1227 Tri-Jet 3D	G 1½" 1¼" 1"	200	400 - 3000	190 x 315	36	15 x G ¼" SW9	----

EASY-FIX CABLE REEL



Cable reel with 15 metre HD hose G ¼" and 5 different types of stainless steel cleaning nozzles. Suitable for all cleaning work in the house, e.g. loosening pipe blockages or blockages of all kinds. Adaptable to HD hose of the pipe cleaner. ■



3025	G ¼"	12	... - 100	300 x 240 x 260	6	---	---	---

STEERING NOZZLE



A nozzle for navigating










As the name suggest, the **Steering Nozzle** can be navigated into and through laterals and other branches. Simply twist your high-pressure hose to the left or right to direct the nozzle exactly where you want it to go. ■

1243
Egg formed



1246
Vibration

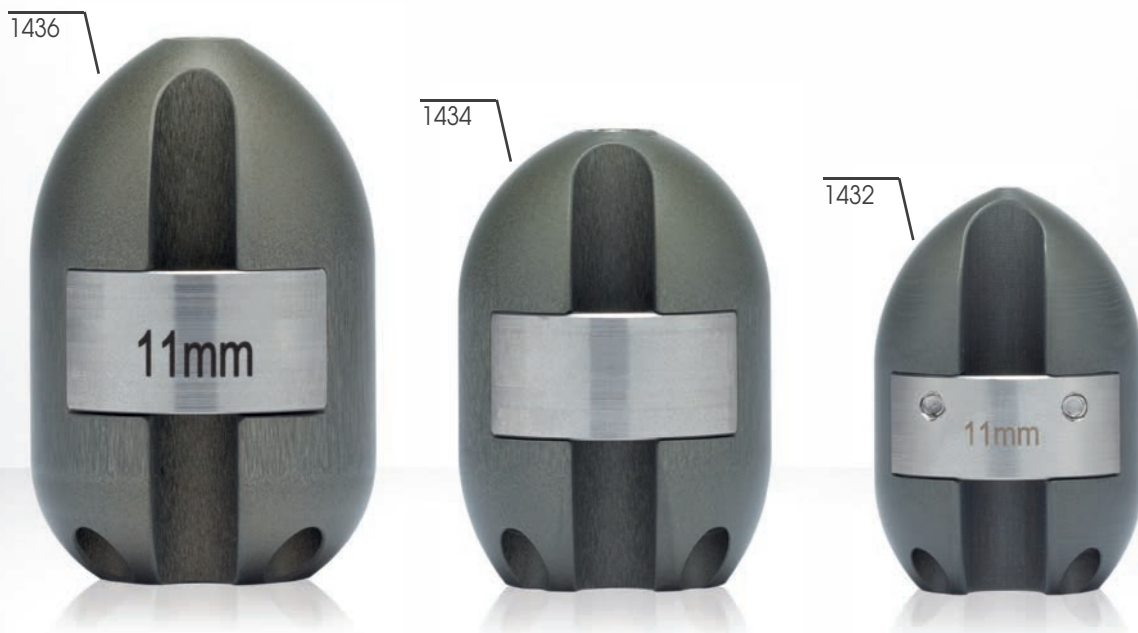



								
1243	G ½"	30	70 - 200	40 x 220	0,5	6 x M 6 ISK	4 x M 4 ISK	----
1246	G ½"	30	70 - 200	45 x 250	0,8	3 x M 6 ISK	4 x M 4 ISK	3 x M 6 ISK

CAMERA NOZZLE



Cleaning nozzle with connection for camera cable or fiberglass cable to push the camera in pipes. Cleaning pipes while the CCTV drain inspection. ■



								
1432	G ¼"	30	70 - 200	40 x 60	0,15	4 x M 6 ISK	----	----
1434	G ⅜"	30	70 - 250	45 x 65	0,25	4 x M 6 ISK	----	----
1436	G ½"	30	70 - 250	50 x 80	0,30	4 x M 6 ISK	----	----

Product No. 1432 also available for cable diameter 7 mm | 9 mm | 10,3 mm | 11 mm.










UNI-FLEX SKID



Adjustable and accommodating

Used for centralization in the pipe, the **Uni-Flex Skid** is continuously adjustable by increments of 1/16" within its operating range. The front 1" NPT threads accommodate most cleaning, rotor and radial cleaning nozzles. The universal flex skid comes standard with a high-pressure swivel. ■






								
2601	G 1" 3/4" 1/2"	---	150 - 300	135 x 380	6	3 x 12 M ISK	---	---
2602	G 1" 1/4" 3/4"	---	250 - 500	235 x 650	15	3 x 12 M ISK	---	---

HD-PISTOLS

HD-Pistols with lance and grab handle.




HD-Pistols with lance and grab handle. Put different nozzles on the lance (accessories). ■



			
1794	G 3/4" 1/2"	60	with stainless steel lance // 400 mm // optional 800 mm // wide cast full jet nozzle
1795	G 1/2"	60	Shifting gun flat jet // full jet // max. 350 bar // 2. 6 kg // 600 mm JetGun
1790	G 1/2"	30	with lance // 400 mm // synthetic handhold

HIGH PRESSURE SWIVEL






			
1649	---	1,1	1¼" AG / 1½" IG
1650	G 1¼"	1,1	AG / IG
1651	G 1"	0,7	AG / IG
1652	G ¾"	0,4	AG / IG
1653	G ½"	0,3	AG / IG

Keep nozzles stationary High Pressure Swivels

are made from hardened stainless steel and allow for the hose to twist and swivel without turning what's connected to it while in use. High-pressure swivels are made for chain cutters, bottom cleaners and nozzles. ■



			
1654	G 1¼"	3,8	90°
1655	G 1"	2,5	90°
1656	G ¾"	1,5	90°
1657	G ½"	0,5	90°




90°-swivel joint

To connect with hose reel. Maintenance free, durable. ■

BOTTOM ROLLERS

Bottom rollers to protect your sewer hose. Made of stainless steel. 1600, 1601 and 1602 with Aluminium rolls and bearings. ■




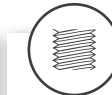


				
1600	UR-UK for DN 25 32	5 Aluminium rolls (78mm)	from Ø 150	8
1601	UR-UK for DN 32 40	5 Aluminium rolls (88 mm)	from Ø 200	8
1602	UR-UK for DN 19 25	3 Aluminium rolls (78 mm)	from Ø 150	6
1603AL	UR-UK for DN 13 19	2 Plastic rolls (58 mm)	from Ø 100	3
1604AL	UR-UK for DN 8 13	2 Plastic rolls (58 mm)	from Ø 100	2

1605AL	Spare castors aluminium 78 mm with VA bearing and plastic cover
1606	Spare castors plastic 58 mm
1606AL	Spare castors aluminium 58 mm with VA bearing and plastic cover
1609AL	Spare castors aluminium 88 mm with VA bearing and plastic cover



Ladyfinger hose guide clean your hose with the integrated hose wash unit. Your hose will be guided and protected while washing. Hose wash unit is only available with Art.-Nr. 1630S. ■



					
1630	Hose guide without washing device		135 x 500	9	
1630-S	Hose guide with washing device	G ½"	165 x 530	13	Sink unit 12 x M 6 ISK

BOTTOM ROLLERS AND ACCESSORIES

1610



1612



1614
1615



1610	USG -UK for DN 25-40 ab Ø 150	6,0
1612	USG-UK for DN 13-25 ab Ø 100	4,0
1614	UK-Replacement bowl DN 25-40	1,0
1615	UK-Replacement bowl DN 13-25	0,5



Bottom banana as hose protector and hose guide - easy handling. ■



1628	Deflector DN 12	3,5
1606	Replacement role 58 mm	



Camera roller for cables and hoses up to DN12, with swivel bracket. ■

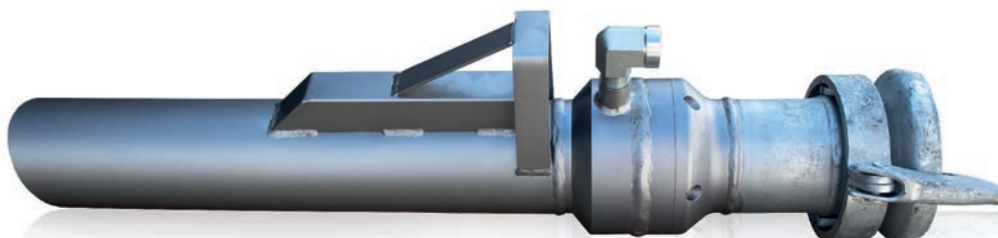




1625	Pulley for upper edge, adjustable	7
1626	Replacement role Ø 250 mm	



Top roller for manhole openings, adjustable, open at the side. ■



DEEP SUCTION PROVISIONS



	NOMINAL WIDTH	
2710	75 80	9
2712	100	17
2714	125	21
2715	150	26

Deep suction injector with PERROT / BAUR / STORZ fittings.
To connect on 3", 4", 5" or 6" fittings. ■



	NOMINAL WIDTH	
2720	75 80	6
2722	100	8
2724	125	14
2725	150	18

Deep suction pipe with PERROT / BAUR / STORZ fittings.
To connect on 3", 4", 5" or 6" fittings. ■

TWIN SET 50 AND EQUIPMENT

2708



The **Twin Set 50** system consists of a high-performance injector and a pressurised water distributor. Thus, the HD water of the cleaning vehicle can be directed either to the suction injector or to the cleaning nozzle by switching during operation. An extensive range of accessories ensures that a wide variety of suction work can be carried out successfully without the need for an additional suction vehicle. Weight without accessories 3 kg.

Product No. 2708 ■



Flexi nozzle 40 mm

Product-No. 9090-04-001 ■



Replacement hose 5 m

Product No. 9045-50-500 ■



Mini suction cleaner attachment

Product No. 2707 ■

CROWN NOZZLE

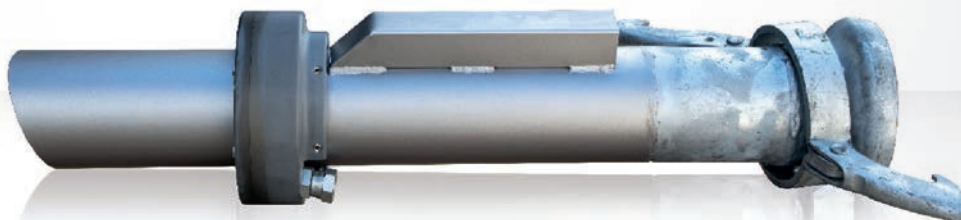
The crown jewel of hydro-excavation




The **Crown Nozzle** can be easily attached to the suction tube for hydro-excavation. Six powerful jets loosen and break up material, which can then be effortlessly transported to the debris tank. The crown is constructed of hardened stainless steel and has replaceable one-piece ceramic jets. ■

2730



2722 +
2732



		NUMBER OF NOZZLES	SUCTION TUBE Ø mm	
2730	G ½"	6	75 / 80	2,0
2732	G ½"	6	100 / 110	2,5
2734	G ½"	6	125 / 135	3,0
2736	G ¾"	6	150	3,5



Nozzle cleaner ■



8005



Insert gauge ■

8000

0,45 - 1,5

8001

1,5 - 3,0



T-Handle Wrench for ISK ■

8010

2,0 | M 4

8011

2,5 | M 5

8012

3,0 | M 6

8013

4,0 | M 8

8014

5,0 | M 10

8015

6,0 | M 12

8016

8,0 | M 16



T-Handle Wrench for ASK ■

8020

SW 6

8021

SW 8

8022

SW 9

8023

SW 10

8024

SW 12

8025

SW 14

8026

SW 17



Aktivator 200 ml ■

8050

200 ml



Nozzle Adhesive 50 ml ■

8055

medium strength blue

8057

high strength green



Hex Wrench ■



8040	2,0 M 4
8041	2,5 M 5
8042	3,0 M 6
8043	4,0 M 8
8044	5,0 M 10
8045	6,0 M 12
8046	8,0 M 16



Punch for Turbos ■

8065	4,0
8067	5,0
8069	6,0
8070	8,0

8080



Teflon 1000 ml ■

8080	1000 ml
------	---------

Cleaning Spray 200 ml ■

8090	200 ml
------	--------

8082



8085



Teflonspray ■

8082	500 ml
8085	FIN SUPER 100 ml

SCREW JOINTS



Enlarging collar
stainless steel. ■

		male	female
1810		1" AG x	1 1/4" IG
1811		3/4" AG x	1" IG
1812		1/2" AG x	3/4" IG
1813		3/8" AG x	1/2" IG
1814		1/4" AG x	1/2" IG
1815		1/4" AG x	3/8" IG
1816		1/8" AG x	1/2" IG
1817		1/8" AG x	1/4" IG



Straight collars
male/female made
from stainless steel. ■

		male	female
1850		1 1/4" AG x	1 1/4" IG
1851		1" AG x	1" IG
1852		3/4" AG x	3/4" IG
1853		1/2" AG x	1/2" IG
1854		3/8" AG x	3/8" IG
1855		1/4" AG x	1/4" IG



Reducer
stainless steel. ■

		male	female
1819		1 1/2" AG x	1 1/4" IG
1820		1 1/4" AG x	1" IG
1821		1" AG x	3/4" IG
1822		3/4" AG x	1/2" IG
1823		1/2" AG x	3/8" IG
1824		3/8" AG x	1/4" IG
1825		1/2" AG x	1/4" IG
1826		1" AG x	1/2" IG
1827		1/4" AG x	1/8" IG



Fitting male/female
galvanized ■

		male	female
1860		1 1/4" IG x	1 1/4" IG
1861		1" IG x	1" IG
1862		3/4" IG x	3/4" IG
1863		1/2" IG x	1/2" IG
1864		3/8" IG x	3/8" IG
1865		1/4" IG x	1/4" IG



Double nipple
galvanized ■

		male	male
1830		1 1/4" AG x	1 1/4" AG
1831		1 1/4" AG x	1" AG
1832		1" AG x	1" AG
1833		1" AG x	3/4" AG
1834		3/4" AG x	3/4" AG
1835		3/4" AG x	1/2" AG
1836		1/2" AG x	1/2" AG
1837		1/2" AG x	3/8" AG
1838		3/8" AG x	1/4" AG
1839		1/4" AG x	1/4" AG
1840		1/4" AG x	1/8" AG
1841		1/8" AG x	1/8" AG



Fitting male/female
galvanized ■

		male	female
1870		1 1/4" AG x	1 1/4" IG
1871		1 1/4" AG x	1" IG
1872		1" AG x	1" IG
1873		1" AG x	3/4" IG
1874		3/4" AG x	3/4" IG
1875		3/4" AG x	1/2" IG
1876		1/2" AG x	1/2" IG
1877		1/2" AG x	3/8" IG
1878		3/8" AG x	3/8" IG
1879		3/8" AG x	1/4" IG
1880		1/4" AG x	1/4" IG

NOZZLE INSERTS

CERAMIC





1551 K 1550 K 1563 K 1528 AK 1527 AK



1552 K 1529 K 1528 K 1527 K



1573 K

		WRENCH SIZE
1550 K	G ¼"	SW 14
1551 K	G ¼"	SW 9
1563 K	M 10 x 1	SW 10
1564 K	G ⅝"	SW 14
1527 AK	M 6	SW 6
1528 AK	M 8	SW 8
1552 K	M 12	6.0
1529 K	M 10	5.0
1528 K	M 8	4.0
1527 K	M 6	3.0
1573 K	G ¼"	SW 14
1575 K	M 10 x 1	SW 10

STAINLESS



1562 1568 1567



1532 1528 1527 1526




1572 1576

		WRENCH SIZE
1561	G ¼"	SW 14
1563	M 10 x 1	SW 10
1564	G ⅝"	SW 14
1567	M 6	SW 6
1568	M 8	SW 8
1532	M 12	6.0
1528	M 8	4.0
1527	M 6	3.0
1526	M 5	2.5
1525	M 4	2.0
1572	G ¼"	SW 17
1576	G ¼"	SW 14

NOZZLE HOLDERS

Nozzle holders

Nozzle holders as strips or plates with interchangeable threaded inserts and variable spacing. Suitable for any nozzle size.

	
8105	4 x G 1"
8110	4 x G ¾"
8115	5 x G ½"
8120	5 x G ⅜"
8125	5 x G ¼"
8130	5 x G ⅛"


5 x G ½"
Length 300 mm



4 x G ¾"
Length 500 mm



6 x G 1" + 4 x G ½"
Length 500 mm
Width 400 mm

	
8100	6 x G 1" + 4 x G ½"
8101	6 x G 1¼" + 4 x G ½"



Further nozzle strips and nozzle plates in other combinations and sizes on request.

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