

USB Sewer Equipment Price list
January 2016

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Grand Slam Nozzle-3D

1-0100-5030-C	Grand Slam-3D w/ 8 inserts SW14	3/4"	6"-15"	\$ 1,299.00	\$ 49.00
1-0101-6020-C	Grand Slam-3D w/ 8 inserts SW14	1"	6"-15"	\$ 1,299.00	\$ 49.00
1-0101-8020-C	Grand Slam-3D w/ 8 inserts SW14	1"	6"-15"	\$ 1,299.00	\$ 49.00
1-0102-10020-C	Grand Slam-3D w/ 8 inserts SW14	1 1/4"	6"-15"	\$ 1,325.00	\$ 49.00

Super Slam-3D

1-0110-6020-C	Super Slam-3D w/ 12 inserts SW14	1"	10"-40"	\$ 1,590.00	\$ 49.00
1-0110-8020-C	Super Slam-3D w/ 12 inserts SW14	1"	10"-40"	\$ 1,590.00	\$ 49.00
1-0111-10020-C	Super Slam-3D w/ 12 Inserts SW14	1 1/4"	10"-40"	\$ 1,590.00	\$ 49.00

Superior Penetrator-3D

1-0120-5030-C	Superior Penetrator-3D w/ 9 inserts M8	3/4"	6"-15"	\$ 765.00	\$ 28.00
1-0121-6020-C	Superior Penetrator-3D w/ 9 inserts M8	1"	6"-15"	\$ 765.00	\$ 28.00
1-0121-8020-C	Superior Penetrator-3D w/ 9 inserts M8	1"	6"-15"	\$ 765.00	\$ 28.00
1-0122-10020-C	Superior Penetrator-3D w/ 9 inserts M8	1 1/4"	6"-15"	\$ 836.00	\$ 28.00

Standard Nozzle

1-0129-12	Standard w/ forward jet, drilled	3/8"		\$ 97.00	
1-0130-0840	Standard w/ forward jet, drilled	1/4"	2"-4"	\$ 85.00	
1-0131-1830	Standard w/ forward jet, drilled	1/2"	4"-6"	\$ 119.00	
1-0132-5030-S	Standard w/ forward jet & 7 inserts M6	3/4"	6"-8"	\$ 159.00	\$ 11.00
1-0133-6020-S	Standard w/ forward jet & 11 inserts M6	1"	8"-12"	\$ 259.00	\$ 11.00
1-0133-8020-S	Standard w/ forward jet & 11 inserts M6	1"	8"-12"	\$ 259.00	\$ 11.00
1-0134-8020-S	Standard w/ forward jet & 11 inserts M6	1 1/4"	8"-12"	\$ 342.00	\$ 11.00

Rotor Nozzle

1-0139-1225	Rotor nozzle drilled	3/8"		\$ 414.00	
1-0140-0840	Rotor nozzle drilled	1/4"	2"-4"	\$ 205.00	
1-0141-1840-C	Rotor nozzle w/ 6 inserts M6	1/2"	4"-6"	\$ 646.00	\$ 20.00
1-0142-5030-C	Rotor nozzle w/ 9 inserts M6	3/4"	6"-10"	\$ 823.00	\$ 20.00
1-0143-6020-C	Rotor nozzle w/ 9 inserts M6	1"	8"-12"	\$ 985.00	\$ 20.00
1-0143-8020-C	Rotor nozzle w/ 9 inserts M6	1"	8"-12"	\$ 985.00	\$ 20.00
1-0144-10020-C	Rotor nozzle w/ 9 inserts M12	1 1/4"	12" & up	\$ 1,128.00	\$ 43.00

Rocker Nozzle

1-0150-1840-C	Rocker nozzle w/ 6 inserts M6	1/2"	4"	\$ 763.00	\$ 20.00
1-0151-5030-C	Rocker nozzle w/ 9 inserts M6	3/4"	6"	\$ 954.00	\$ 20.00
1-0152-6020-C	Rocker nozzle w/ 9 inserts M6	1"	8"-12"	\$ 1,193.00	\$ 20.00
1-0152-8020-C	Rocker nozzle w/ 9 inserts M6	1"	8"-12"	\$ 1,193.00	\$ 20.00
1-0153-10020-C	Rocker nozzle w/ 9 inserts M12	1 1/4"	12" & up	\$ 1,717.00	\$ 43.00

Aluminum Flying Nozzle-3D

1-0160-5030-S	Aluminum Flying-3D w/ 8 Inserts M8	3/4"	6"-12"	\$ 456.00	\$ 16.00
1-0161-6020-S	Aluminum Flying-3D w/ 8 inserts M8	1"	6"-12"	\$ 456.00	\$ 16.00
1-0161-8020-S	Aluminum Flying-3D w/ 8 inserts M8	1"	6"-12"	\$ 456.00	\$ 16.00

** C = Ceramic Inserts, S = Steel Inserts

Part No.	Description	Hose Connection	Pipe Ø	Price US\$	price US\$ inserts/ea.
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Flying Nozzle-3D

1-0162-1840-C	Flying nozzle-3D w/ 6 inserts M6	½"	4"-8"	\$ 355.00	\$ 20.00
1-0163-5030-C	Flying nozzle-3D w/ 9 inserts M8	¾"	6"-10"	\$ 682.00	\$ 28.00
1-0164-6020-C	Flying nozzle-3D w/ 8 inserts M8	1"	6"-12"	\$ 845.00	\$ 28.00
1-0164-8020-C	Flying nozzle-3D w/ 8 inserts M8	1"	6"-12"	\$ 845.00	\$ 28.00
1-0165-5030-C	Flying nozzle-3D (large) w/ 8 inserts SW14	¾"	8"-15"	\$ 899.00	\$ 49.00
1-0166-6020-C	Flying nozzle-3D (large) w/ 8 inserts SW14	1"	8"-15"	\$ 899.00	\$ 49.00
1-0166-8020-C	Flying nozzle-3D (large) w/ 8 inserts SW14	1"	8"-15"	\$ 899.00	\$ 49.00
1-0167-10020-C	Flying nozzle-3D (large) w/ 8 inserts SW14	1½"	12" & up	\$ 899.00	\$ 49.00

Radial Cleaning Nozzle-3D

1-0169-5030-C	Radial cleaning-3D w/ 5 inserts M8 5 inserts SS Fan jet	¾"	6"-12"	\$ 1,295.00	\$ 28.00 \$ 34.00
1-0170-6020-C	Radial cleaning-3D w/ 6 inserts M8 6 inserts SS Fan jet	1"	8"-20"	\$ 1,295.00	\$ 28.00 \$ 34.00
1-0170-8020-C	Radial cleaning-3D w/ 6 inserts M8 6 inserts SS Fan jet	1"	8"-20"	\$ 1,295.00	\$ 28.00 \$ 34.00

Cleaning Nozzle-3D

1-0180-1840-C	Cleaning nozzle-3D w/ 7 inserts M6	½"	4"-8"	\$ 355.00	\$ 20.00
1-0181-5030-C	Cleaning nozzle-3D w/ 9 inserts M8	¾"	6"-10"	\$ 682.00	\$ 28.00
1-0182-6020-C	Cleaning nozzle-3D w/ 9 inserts M8	1"	6"-12"	\$ 845.00	\$ 28.00
1-0182-8020-C	Cleaning nozzle-3D w/ 9 inserts M8	1"	6"-12"	\$ 845.00	\$ 28.00
1-0183-6020-C	Cleaning nozzle-3D (large) w/ 11 inserts M8	1"	8"-15"	\$ 949.00	\$ 28.00
1-0183-8020-C	Cleaning nozzle-3D (large) w/ 11 inserts M8	1"	8"-15"	\$ 949.00	\$ 28.00

FJ Penetrator Nozzle-3D

1-0189-1240	FJ Penetrator	1/8"		\$ 342.00	
1-0190-0840-C	FJ Penetrator-3D w/ 10 nozzle inserts M6	¼"	2"-4"	\$ 203.00	\$ 20.00
1-0191-1840-C	FJ Penetrator-3D w/ 10 nozzle inserts M6	½"	4"-8"	\$ 444.00	\$ 20.00
1-0192-5030-C	FJ Penetrator-3D w/ 12 nozzle inserts M8	¾"	4"-12"	\$ 682.00	\$ 28.00
1-0193-6020-C	FJ Penetrator-3D w/ 12 nozzle inserts M8	1"	6"-15"	\$ 845.00	\$ 28.00
1-0193-8020-C	FJ Penetrator-3D w/ 12 nozzle inserts M8	1"	6"-15"	\$ 845.00	\$ 28.00

Chisel Nozzles

Chisel Nozzle w/ forward jets

1-0199-1225	Chisel nozzle	3/8"		\$ 145.00	
1-0200-0840	Chisel nozzle drilled	¼"	2"-4"	\$ 134.00	
1-0201-1840-S	Chisel nozzle w/ 4 inserts M5	½"	4"-8"	\$ 197.00	\$ 11.00
1-0202-5030-S	Chisel nozzle w/ 10 inserts M6	¾"	6"-10"	\$ 345.00	\$ 11.00
1-0203-6020-S	Chisel nozzle w/ 12 inserts M6	1"	8"-12"	\$ 395.00	\$ 11.00
1-0203-8020-S	Chisel nozzle w/ 12 inserts M6	1"	8"-15"	\$ 395.00	\$ 11.00

Chisel Nozzle w/ forward jets and drill point

1-0210-1840-S	Chisel w/ forward & drill w/ 3 inserts M5	½"	4"-8"	\$ 207.00	\$ 11.00
1-0211-5030-S	Chisel w/ forward & drill w/ 9 inserts M6	¾"	6"-10"	\$ 358.00	\$ 11.00
1-0212-6020-S	Chisel w/ forward & drill w/ 11 inserts M6	1"	8"-12"	\$ 396.00	\$ 11.00
1-0212-8020-S	Chisel w/ forward & drill w/ 11 inserts M6	1"	8"-15"	\$ 396.00	\$ 11.00

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Ultimate Chisel Nozzle w/ forward jets and drill point

1-0219-5030-S	Ultimate chisel w/ 4 inserts M6, 6 inserts SW14	3/4"	6"-12"	\$ 849.00	\$16.00/49.00
1-0220-6020-S	Ultimate chisel w/ 4 inserts M6, 6 inserts SW14	1"	6"-15"	\$ 849.00	\$16.00/49.00
1-0220-8020-S	Ultimate chisel w/ 4 inserts M6, 6 inserts SW14	1"	6"-24"	\$ 849.00	\$16.00/49.00
1-0221-10020-S	Ultimate chisel w/ 4 inserts M6, 6 inserts SW14	1 1/4"	12" and up	\$ 879.00	\$16.00/49.00

Drill Point

1-0226	Drill point for Chisel w/ forward jets	\$ 27.00
1-0225	Drill point for Ultimate Chisel w/ forward jets	\$ 37.00

Digger nozzle

1-0230-1840-S	Digger nozzle w/ 7 inserts M6	1/2"	4"-8"	\$ 239.00	\$ 11.00
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Dredger Nozzle

1-0300-6020-C	Dredger nozzle 6 jets w/ 6 inserts SW14	1"	8"-15"	\$ 2,695.00	\$ 49.00
1-0300-8020-C	Dredger nozzle 6 jets w/ 6 inserts SW14	1"	8"-15"	\$ 2,695.00	\$ 49.00
1-0301-6020-C	Dredger nozzle 8 jets w/ 8 inserts SW14	1"	12"-24"	\$ 2,995.00	\$ 49.00
1-0301-8020-C	Dredger nozzle 8 jets w/ 8 inserts SW14	1"	12"-24"	\$ 2,995.00	\$ 49.00
1-0302-6020-C	Dredger nozzle 10 jets w/ 10 inserts SW14	1"	18"-36"	\$ 3,450.00	\$ 49.00
1-0302-8020-C	Dredger nozzle 10 jets w/ 10 inserts SW14	1"	18"-36"	\$ 3,450.00	\$ 49.00
1-0303-8020-C	Dredger nozzle 14 jets w/ 14 inserts SW14	1"-1 1/4"	20"-98"	\$ 3,950.00	\$ 49.00
1-0303-10020-C	Dredger nozzle 14 jets w/ 14 inserts SW14	1"-1 1/4"	20"-98"	\$ 3,950.00	\$ 49.00

1-0305	Y-Connector for Tandem dredger nozzle incl. hose coupling and 1 1/4" HP-swivel joint			\$ 983.00	
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Venturi Nozzle

1-0310-6012	Venturi nozzle I, single barrel Ø 5"	1"	32"-48"	\$ 4,524.00	
1-0311-8012	Venturi nozzle II, single barrel Ø 6.2"	1"	32"-56"	\$ 5,649.00	
1-0312-8012	Venturi nozzle III, double barrel Ø 5"/ea.	1 1/4"	48"-72"	\$ 6,786.00	
1-0321-10012	Venturi nozzle III, double barrel Ø 5"/ea.	1 1/4"	48"-72"	\$ 6,786.00	

Pipe Wolf-3D

1-0319-1225	Pipe Wolf	3/8"		\$ 483.00	
1-0320-1840-C	Pipe Wolf w/ 9 inserts M6	1/2"	4"-6"	\$ 985.00	\$ 20.00
1-0321-5030-C	Pipe Wolf w/ 3 inserts M6 / 6 inserts M8	3/4"	6"-15"	\$ 1,639.00	\$ 20.00 \$ 28.00
1-0321-6020-C	Pipe Wolf w/ 3 inserts M6 / 6 inserts M8	1"	6"-15"	\$ 1,639.00	\$ 20.00 \$ 28.00
1-0321-8020-C	Pipe Wolf w/ 3 inserts M6 / 6 inserts M8	1"	6"-15"	\$ 1,639.00	\$ 20.00 \$ 28.00
1-0322-8020-C	Pipe Wolf w/ 6 inserts M12, 3 inserts M6	1 1/4"	10"-24"	\$ 2,846.00	\$ 43.00 \$ 20.00
1-0322-10020-C	Pipe Wolf w/ 6 inserts M12, 3 inserts M6	1 1/4"	10"-24"	\$ 2,846.00	\$ 43.00 \$ 20.00

Flounder Nozzle

1-0329-S	Flounder nozzle w/ 4 inserts M6	3/8"		\$ 431.00	
1-0330-S	Flounder nozzle w/ 4 inserts M6	1/2"	4"-8"	\$ 619.00	\$ 11.00
1-0331-S	Flounder nozzle w/ 4 inserts M6	3/4"	6"-12"	\$ 876.00	\$ 11.00

** C= Ceramic inserts, S= steel inserts

Part No.	Description	Hose Connection	Pipe Ø	Price US\$	price US\$ inserts/ea.
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Alphajet

1-0350	Alphajet	1"		\$ 2,795.00	
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Antiblaster-3D

1-0361-5030-C	Antiblaster-3D w/ 9 inserts M8	3/4"	6"-12"	\$ 845.00	\$ 28.00
1-0362-6020-C	Antiblaster-3D w/ 9 inserts M8	1"	6"-12"	\$ 845.00	\$ 28.00
1-0362-8020-C	Antiblaster-3D w/ 9 inserts M8	1"	6"-12"	\$ 845.00	\$ 28.00

Bagger Max

1-0370-8020-C	Bagger Max w/ 10 inserts SW14	1"	24" & up	\$ 5,674.00	\$ 49.00
1-0371-8020-C	Bagger Max w/ 12 inserts SW14	1 1/4"	30" & up	\$ 6,399.00	\$ 49.00
1-0371-10020-C	Bagger Max w/ 12 inserts SW14	1 1/4"	30" & up	\$ 6,399.00	\$ 49.00

Nozzle Cases

Nozzle case 1/2"

1-0330-S	Flounder nozzle			\$ 619.00	
1-0500-C	Primus nozzle™-3D			\$ 1,173.00	
1-0180-C	Cleaning nozzle-3D			\$ 355.00	
1-0162-C	Flying nozzle-3D			\$ 355.00	
1-0201-S	Chisel nozzle w/ forward jet			\$ 197.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 2,896.00	

1-0400-C	Turbo 0			\$ 1,167.00	
1-0320-C	Pipe Wolf			\$ 985.00	
1-0180-C	Cleaning nozzle-3D			\$ 355.00	
1-0162-C	Flying nozzle-3D			\$ 355.00	
1-0500-C	Primus nozzle™-3D			\$ 1,173.00	
1-0201-S	Chisel nozzle w/ forward jet			\$ 197.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 4,429.00	

Nozzle case 3/4"

1-0501-C	Primus nozzle™-3D			\$ 1,553.00	
1-0321-C	Pipe Wolf			\$ 1,639.00	
1-0181-C	Cleaning nozzle-3D			\$ 682.00	
1-0163-C	Flying nozzle-3D			\$ 682.00	
1-0202-S	Chisel nozzle w/ forward jet			\$ 345.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 5,098.00	

Nozzle case 1"

1-0182-C	Cleaning nozzle-3D			\$ 845.00	
1-0164-C	Flying nozzle-3D			\$ 845.00	
1-0143-C	Rotor nozzle			\$ 985.00	
1-0203-S	Chisel nozzle w/ forward jet			\$ 395.00	
1-0220-S	Ultimate chisel nozzle			\$ 849.00	
1-0362-C	Anti Blaster-3D			\$ 845.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 4,961.00	

Part No.	Description	Hose Connection	Pipe Ø	Price US\$	price US\$ inserts/ea.
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Nozzle case 1"

1-0502-C	Primus nozzle™-3D			\$ 1,999.00	
1-0321-C	Pipe Wolf			\$ 1,639.00	
1-0182-C	Cleaning nozzle-3D			\$ 845.00	
1-0164-C	Flying nozzle-3D			\$ 845.00	
1-0203-S	Chisel nozzle w/ forward jet			\$ 395.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 5,920.00	

1-0502-C	Primus nozzle™-3D			\$ 1,999.00	
1-0321-C	Pipe Wolf			\$ 1,639.00	
1-0101-C	Grand Slam nozzle-3D			\$ 1,299.00	
1-0121-C	Superior Penetrator-3D			\$ 765.00	
1-0220-S	Ultimate chisel nozzle			\$ 849.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 6,748.00	

*** Please note: Content of nozzle case may vary as per customers request!

Excavating Hydro Nozzle

1-0380-1840	Excavating Hydro Nozzle	½"		\$ 200.00	
1-0830-2540	Excavating Hydro Nozzle	¾"		\$ 200.00	

Turbo Chain Cutters

Turbo 0

1-0400-1840-C	Turbo 0 w/ 9 inserts M6	½"	4"	\$ 1,167.00	\$ 20.00
1-0424	4' replacement chain			\$ 38.00	
1-0456	Chain retainer			\$ 76.00	
1-0467	Chain retainer w/ chain		4"	\$ 111.00	
1-0468	Chain retainer w/ chain & bits		4"	\$ 132.00	
1-0469	Chain retainer w/ chain & bits		6"	\$ 145.00	
1-0470	Guide skid		4"	\$ 186.00	
1-0471	Guide skid		6"	\$ 243.00	
1-0490	Quick change retainer w/ special guide skid			\$ 215.00	

Turbo II w/ rigid guide skid

1-0402-5030-C	Turbo w/ rigid guide skid/ 3 M6, 3 M12 inserts	¾"	6"-12"	\$ 2,830.00	\$ 20.00 \$ 43.00
1-0402-6020-C	Turbo w/ rigid guide skid/ 3 M6, 3 M12 inserts	1"	6"-12"	\$ 2,830.00	\$ 20.00 \$ 43.00
1-0402-8020-C	Turbo w/ rigid guide skid/ 3 M6, 3 M12 inserts	1"	6"-12"	\$ 2,830.00	\$ 20.00 \$ 43.00
1-0407	Guide skid		6"	\$ 289.00	
1-0408	Guide skid		8"	\$ 375.00	
1-0409	Guide skid		10"	\$ 520.00	
1-0410	Guide skid		12"	\$ 626.00	
1-0425	Replacement chain 6'			\$ 49.00	

* Please note 8", 10" und 12" skids are sold separately

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ Inserts/ea.
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Turbo II w/ flexible guide skid

1-0403-5030-C	Turbo II w/ flex guide skid, 3 M6, 3 M12 inserts	1"	6"-12"	\$ 4,495.00	\$ 20.00
1-0403-6020-C	Turbo II w/ flex guide skid, 3 M6, 3 M12 inserts	1"	6"-12"	\$ 4,495.00	\$ 20.00 \$ 43.00
1-0403-8020-C	Turbo II w/ flex guide skid, 3 M6, 3M 12 inserts	1"	6"-12"	\$ 4,495.00	\$ 20.00 \$ 43.00
1-0425	Replacement chain 6'			\$ 49.00	
1-0439	Bits for chain			\$ 7.00/ea.	
1-0411	Bolts for chain			\$ 3.50/ea.	
1-0462	Diamond tap cutter		6"	\$ 1,038.00	
1-0463	Diamond tap cutter		8"	\$ 1,236.00	
1-0462-PVC	PVC tap cutter		6"	\$ 740.00	
1-0463-PVC	PVC tap cutter		8"	\$ 940.00	
1-0490	Extension kit (3 pieces) up to 15" sewer line			\$ 983.00	
2-04029	Carbide bit w/ hole for chain			\$ 43.00/ea.	

Turbo III w/ flexible guide skid

1-0404-6020-C	Turbo III w/ flex guide skid, 6 M12 inserts	1"	10"-20"	\$ 6,792.00	\$ 43.00
1-0404-8020-C	Turbo III w/ flex guide skid, 6 M12 inserts	1"	10"-20"	\$ 6,792.00	\$ 43.00
1-0404-10020-C	Turbo III w/ flex guide skid, 6 M12 inserts	1 1/4"	10"-20"	\$ 6,792.00	\$ 43.00
1-0422	Chain retainer wheel for larger pipe, SS		11.5"	\$ 1,565.00	
1-0426	replacement chain 6'			\$ 186.00	
1-0440	Bits for chain			\$ 7.00/ea.	
1-0443	Extension kit (3 pieces) up to 29" sewer line		21"-29"	\$ 1,798.00	
1-0464	Diamond tap cutter		10"	\$ 1,469.00	
1-0465-3	Diamond tap cutter		12"	\$ 1,796.00	
2-04071	Carbide bit large f/ chain			\$ 120.00/ea.	
2-04070	Bolt black f/ chain			\$ 25.00/ea.	

Turbo IV w/ flexible guide skid

1-0405-8020-C	Turbo w/ flex guide skid , 6 M12, 3 SW14	1"	15"-36"	\$ 15,895.00	\$ 43.00 \$ 49.00
1-0405-10020-C	Turbo w/ flex guide skid , 6 M12, 3 SW14	1 1/4"	15"-36"	\$ 15,895.00	\$ 43.00 \$ 49.00
1-0426	6' replacement chain			\$ 186.00	
1-0446	HP-swivel joint w/ pulling eye			\$ 370.00	
1-0422	Chain retainer f/ larger pipes SS w/o chain		11.5"	\$ 1,565.00	
1-0477	Chain retainer f/ larger pipes SS w/o chain		19.45"	\$ 1,895.00	
1-0465	Diamond tap cutter		12"	\$ 1,796.00	
1-0466	Diamond tap cutter		15"	\$ 2,309.00	

Turbo S400 w/ flexible guide skid

1-0480-5030-C	Turbo S400 w/ flexible guide skid w 6 M12	3/4"	8"-16"	\$ 5,295.00	\$ 43.00
1-0480-6020-C	Turbo S400 w/ flexible guide skid w 6 M12	1"	8"-16"	\$ 5,295.00	\$ 43.00
1-0480-8020-C	Turbo S400 w/ flexible guide skid w 6 M12	1"	8"-16"	\$ 5,295.00	\$ 43.00
1-0425	Replacement Chain			\$ 49.00	
1-0485	Pulling eye			\$ 763.00	
1-0486	Extension kit up to 24" sewer line		24"	\$ 1,610.00	
1-0487	Diamond tap cutter		8"	\$ 1,463.00	
1-0488	Diamond tap cutter		10"	\$ 1,688.00	
1-0489	Diamond tap cutter		12"	\$ 1,913.00	
2-04072	Carbide bit w/ hole			\$ 75.00/ea.	
1-0465-PVC	PVC tap cutter		8"	\$ 940.00	
1-0466-PVC	PVC tap cutter		10"	\$ 1,123.00	

Accessories for Turbo chain cutters

Turbo 0

Bag of chain w/ bits		4"	\$ 183.00
Bag of chain w/ bits		6"	\$ 204.00

Turbo II

Single quick chain retainer w/o chain			\$ 138.00
chain w/ bits for quick chain retainer 3 pc/set		6"	\$ 31.00
chain w/ bits for quick chain retainer 3 pc/set		8"	\$ 34.00
chain w/ bits for quick chain retainer 3 pc/set		10"	\$ 41.00
chain w/ bits for quick chain retainer 3 pc/set		12"	\$ 48.00
Skids for corrugated pipe			\$ 121.00/ea \$ 362.00/set

Accessories for Turbo chain cutters

Turbo III

Single quick chain retainer w/o chain			\$ 342.00
chain w/ bits for quick chain retainer 3 pc/set		10"	\$ 76.00
chain w/ bits for quick chain retainer 3 pc/set		12"	\$ 97.00
chain w/ bits for quick chain retainer 3 pc/set		15"	\$ 131.00
chain w/ bits for quick chain retainer 3 pc/set		18"	\$ 155.00
chain w/ bits for quick chain retainer 3 pc/set		20"	\$ 176.00
chain w/ bits for quick chain retainer 3 pc/set		24"	\$ 270.00
chain w/ bits for wheel		28"	\$ 241.00
chain w/ bits for wheel / set		30"	\$ 259.00
Skids for corrugated pipe			\$ 207.00/ea. \$ 621.00/set

Turbo 5400

Single quick chain retainer w/o chain			\$ 179.00
chain w/ bits for quick chain retainer 3 pc/set		8"	\$ 62.00
chain w/ bits for quick chain retainer 3 pc/set		10"	\$ 69.00
chain w/ bits for quick chain retainer 3 pc/set		12"	\$ 90.00
chain w/ bits for quick chain retainer 3 pc/set		15"	\$ 114.00
chain w/ bits for quick chain retainer 3 pc/set		18"	\$ 141.00
chain w/ bits for quick chain retainer 3 pc/set		21"	\$ 166.00
chain w/ bits for quick chain retainer 3 pc/set		24"	\$ 200.00
Skids for corrugated pipe			\$ 155.00/ea. \$ 466.00/set

Turbo IV

chain w/ bits for wheel / set		32"	\$ 276.00
chain w/ bits for wheel / set		36"	\$ 328.00

Part No.	Description	Hose Connection	Pipe Ø	Price US\$	price US\$ inserts/ea.
1-0472	Jig for Turbo 0 & I			\$ 238.00	
1-0473	Jig for Turbo II			\$ 185.00	
1-0478-T2	Manganese bit w/o chain, ea.			\$ 110.00	
1-0478-S400	Manganese bit w/o chain, ea.			\$ 110.00	
1-0478-T3	Manganese bit w/o chain, ea.			\$ 186.00	
1-0479-T2	Bit w/ 2 bolts, 3 pc/set			\$ 238.00	
1-0479-S400	Bit w/ 2 bolts, 3 pc/set			\$ 310.00	
1-0479-T3	Bit w/ 2 bolts, 3 pc/set				

Primus Nozzle™-3D

1-0500-1840-C	Primus nozzle™ w/ 5 inserts M6	½"	4"-8"	\$ 1,173.00	\$ 20.00
1-0501-5030-C	Primus nozzle™ w/ 10 inserts M6	¾"	6"-12"	\$ 1,553.00	\$ 20.00
1-0502-6020-C	Primus nozzle™ w/ 12 inserts M6	1"	6"-15"	\$ 1,999.00	\$ 20.00
1-0502-8020-C	Primus nozzle™ w/ 12 inserts M6	1"	6"-15"	\$ 1,999.00	\$ 20.00
1-0503-8020-C	Primus nozzle™ w/ 2 inserts M8, 10 x inserts SW14	1½"	12" & up	\$ 2,846.00	\$ 20.00
1-0503-10020-C	Primus nozzle™ w/ 2 inserts M8, 10 x inserts SW14	1½"	12" & up	\$ 2,846.00	\$ 20.00
1-0503	Guide skid		6"-8"	\$ 397.00	
1-0504	Guide skid		8"-12"	\$ 483.00	
1-0505	Guide skid		12"-15"	\$ 655.00	
1-0510	Guide skid Primus III			\$ 604.00	
1-0506	Ceramic nozzle inserts f/ Primus 1", 2" long G ¼"				\$ 40.00/ea.
1-0507	Ceramic nozzle inserts f/ Primus 1", 4" long G ¼"				\$ 46.00/ea.
1-0508	SS cleaning head w/ extended ceramic inserts 1"				\$ 535.00
1-0509	Rubber head 1"				\$ 36.00
1-0511	Rubber head 1 1/4"				\$ 53.00

Turbinator Nozzle

1-0601-6020-C	Turbinator nozzle w/ M8, M10, SW14	1"		\$ 2,995.00	
1-0601-8020-C	Turbinator nozzle w/ M8, M10, SW14	1"		\$ 2,995.00	
1-0602-10020-C	Turbinator nozzle w/ M8, M10, SW14	1½"		\$ 2,995.00	

Black Blaster

2-0100-6020-S	Black Blaster nozzle/skid* - 9 inserts M10	¾" / 1"	6"-15"	\$ 596.00	\$ 20.00
2-0100-8020-S	Black Blaster nozzle w/ skid* - 9 inserts M10*	1"	8"-20"	\$ 596.00	\$ 20.00
2-01001	Guide skid		6" and 8"	\$ 297.00	
2-01002	Guide skid		10" and 12"	\$ 328.00	
2-01003	Guide skid		12" and 20"	\$ 525.00	

* (1) guide skid 6"-8" included w/ purchase of Black Blaster nozzle

Black Star

2-0200-6020-S	Black Star cleaning nozzle w/ 10 inserts M10	¾" / 1"	6"-15"	\$ 613.00	\$ 20.00
2-0200-8020-S	Black Star cleaning nozzle w/ 10 inserts M10	1"	8"-20"	\$ 613.00	\$ 20.00

Twister Nozzle

2-0500-5030-C	Twister nozzle w/ 9 nozzle inserts M10	¾"	6"-15"	\$ 3,148.00	\$ 43.00
2-0501-6020-C	Twister nozzle w/ 9 nozzle inserts M12	1"	6"-18"	\$ 3,148.00	\$ 43.00
2-0501-8020-C	Twister nozzle w/ 9 nozzle inserts M12	1"	6"-18"	\$ 3,148.00	\$ 43.00
2-05002-10020-C	Twister nozzle w/ 9 nozzle inserts M12	1½"	6"-24"	\$ 3,148.00	\$ 43.00

Milling Cutters

Part No.	Description	Bore Ø	Pipe Ø	Price US
2-03000	Milling cutter, type II	3.8"	4.0"	\$ 3,751.00
2-04000	Milling head w/o bits & center bit			\$ 417.00
2-04014	Guide skid w/o locking ring			\$ 290.00
2-03001	Milling cutter type IV/1	5.4"	6.0"	\$ 4,692.00
2-04001	Milling head w/o bits & center bit			\$ 731.00
2-04009	Turbine w/ adapter sleeve			\$ 668.00
2-04015	Guide skid w/o locking ring			\$ 341.00
2-03002	Milling cutter type V/1	6.2"	8.0"	\$ 5,264.00
2-04002	Milling head w/o bits & center bit			\$ 1,084.00
1-04009	Turbine w/ adapter sleeve			\$ 668.00
2-04016	Guide skid w/o locking ring			\$ 500.00
2-03003	Milling cutter type V	7.3"	8.0"	\$ 7,003.00
2-04047	Turbine ring w/ bracket			\$ 618.00
2-04002	Milling head w/o bits & center bit			\$ 1,084.00
2-04010	Turbine w/ adapter sleeve			\$ 684.00
2-04017	Guide skid w/o wheels & locking ring			\$ 530.00
2-03004	Milling cutter type VI	8.9"	10.0"	\$ 7,330.00
2-04048	Turbine ring w/ bracket			\$ 674.00
2-01003	Milling head w/o bits & center bit			\$ 1,167.00
2-04011	Turbine w/ adapter sleeve			\$ 750.00
2-04018	Guide skid w/o wheels & locking ring			\$ 588.00
2-03005	Milling cutter type VII	11.25"	12.0"	\$ 9,415.00
2-04048	Turbine ring w/ bracket			\$ 683.00
2-04004	Milling head w/o bits & center bit			\$ 3,398.00
2-04011	Turbine w/ adapter sleeve			\$ 674.00
2-04019	Guide skid w/o wheels & locking ring			\$ 2,415.00
2-03006	Milling cutter type VIII	14.4"	15.0"-16.0"	\$ 12,743.00
2-04048	Turbine ring w/ bracket			\$ 683.00
2-04005	Milling head w/o bits & center bit			\$ 4,876.00
2-04012	Turbine w/ adapter sleeve			\$ 1,118.00
2-04020	Guide skid w/o wheels & locking ring			\$ 2,667.00
2-03007	Milling cutter, type X	17.0"	18.0"	\$ 17,919.00
2-04060	Turbine ring w/ bracket			\$ 731.00
2-04013	Turbine w/ adapter sleeve			\$ 1,185.00
2-04061	Guide skid w/ wheels, w/o locking ring			\$ 3,633.00
2-03008	Milling cutter type XII	19.0"	20.0"	\$ 19,197.00
2-04060	Turbine ring w/ bracket			\$ 731.00
2-04007	Milling head w/o bits & centerbit			\$ 8,533.00
2-04013	Turbine w/ adapter sleeve			\$ 1,185.00
2-04068	Guide skid w/ wheels, w/o locking ring			\$ 4,023.00

Parts for Milling Cutter

Part No.	Description	Bore Ø	Pipe Ø	Price US
2-04022	Drive compl., type II-VII			\$ 1,463.00
2-04023	Drive compl., type VIII-XII			\$ 2,316.00
2-04024	Locking ring type II-VII			\$ 85.00
2-04025	Locking ring, type VIII-XII			\$ 98.00
2-04026	Socket, type II-IV/1			\$ 73.00
2-04027	Socket, type V-VI			\$ 146.00

Parts for Milling Cutter

Part No.	Description	Bore Ø	Pipe Ø	Price US
2-04028	Socket, type VIII-XII			\$ 561.00
2-04029	Carbide bit, type II-XII			\$ 43.00
2-04034	Diamond center bit, type II-XII			\$ 254.00
2-04030	Diamond bit, type II-XII			\$ 81.00
2-04037	Adapter sleeve, type II-XII			\$ 107.00
2-04040	Wheel, type V-VI			\$ 31.00
2-04040	Wheel, type VIII			\$ 49.00
2-04065	Wheel, type X-XII			\$ 61.00
2-04052	Hub, type V-VI			\$ 36.00
2-04039	Hub, type VIII-XII			\$ 49.00
2-04049	Feltwasher, 2 pieces, type V-XII			\$ 4.00
2-04035	Nut M12, type V-VIII			\$ 5.00
2-04043	Nut M16, type X-XII			\$ 5.00
2-04042	Spring lock washer, type V-XII			\$ 1.50
2-04053	Hub w/ wheel compl., type V			\$ 76.00
2-04057	Hub w/ wheel compl., type VIII			\$ 120.00
2-04045	Protection shoulder, type VIII			\$ 85.00
2-04067	Protection shoulder, type X			\$ 110.00
2-04069	Protection shoulder, type XII			\$ 122.00
2-04050	Rebuilt kit shaft-drive, type II-VIII			\$ 413.00
1-09408	Nozzle insert steel M10			\$ 16.00
1-09402	Nozzle insert ceramic M10			\$ 34.00
2-04031	Bolt-turbine, type II-VIII			\$ 135.00
2-04032	Bolt-locking ring, type II-VIII			\$ 1.50
2-04033	Bolt-carbide bit, type II-VIII			\$ 1.50
2-04036	Screw M10, type II-XII			\$ 1.50
2-04044	UHMW lock washer, type VII-XII			\$ 15.00
2-04046	Drive Extension pipe, type VII-XII			\$ 336.00
2-04051	Drive assembly complete			\$ 763.00

Conversion Kit

2-03010	Conversion kit, type II	3.8"	4.0"	\$ 2,197.00
2-03011	Conversion kit, type IV/1	5.4"	6.0"	\$ 2,201.00
2-03012	Conversion kit, type V/1	6.2"	8.0"	\$ 3,713.00
2-03013	Conversion kit, type V	7.3"	8.0"	\$ 5,453.00
2-03014	Conversion kit, type VI	8.9"	10.0"	\$ 5,779.00
2-03015	Conversion kit, type VII	11.25"	12.0"	\$ 7,846.00
2-03016	Conversion kit, type VIII	14.40"	15.0"-16.0"	\$ 8,124.00
2-03017	Conversion kit, type X	17.0"	18.0"	\$ 10,037.00
2-03018	Conversion kit, type XII	19.0"	20.0"	\$ 12,646.00

Accessories for Milling Cutter

2-04090	Chain cutter assembly complete			\$ 941.00
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Rental Prices:

Part No.	Description	Bore Ø	Pipe Ø	Price US min. 2	Price US
2-03000	Type II	3.8"	4.0"	\$ 900.00	\$ 1,450.00
2-03001	Type IV/1	5.4"	6.0"	\$ 900.00	\$ 1,550.00
2-03002	Type V/1	6.2"	8.0"	\$ 900.00	\$ 1,600.00
2-03003	Type V	7.3"	8.0"	\$ 900.00	\$ 1,800.00
2-03004	Type VI	8.9"	10.0"	\$ 900.00	\$ 1,900.00
2-03005	Type VII	11.25"	12.0"	\$ 1,000.00	\$ 2,000.00
2-03006	Type VIII	14.4"	15.0"-16.0"	\$ 1,000.00	\$ 2,100.00
2-03007	Type X	17.0"	18.0"	\$ 1,000.00	\$ 2,200.00
2-03008	Type XII	19.0"	20.0"	\$ 1,000.00	\$ 2,400.00

* US 2,500.00 deposit due a signing of rental agreement

- * All bits need to be initially purchased for milling cutter rental
- * Rental price does not include parts requiring replacement, repair of rental unit or worn carbide bits, worn carbide-diamond bits
- * 50% of the rental amount shall be applicable as a credit, should renter decide to purchase rental unit within 30 days from the date of rental agreement
- * Buehler milling cutters must be installed and operated in strict accordance to the conditions as published in the Operating and Instruction Manuals supplied with our products. Only strict adherence to these instructions will ensure proper working order of the tool and preclude any danger to people and the tool.
- * Price US\$ min. includes 3 working days thereafter weekly rate automatically applies

USB-Sewer Equipment Corporation takes no responsibility for injury and/or damage to persons or property from the use of this equipment. All risk is borne by the user

Technical Data

Type	Pressure	Hose Connection	Rotating nozzles	Propulsion nozzles	No. of bits
II	min. 40 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	8
IV/1	min. 60 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	12
V/1	min. 60 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	14
V	min. 65 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	20
VI	min. 65 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	24
VII	min. 80 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	28
VIII	min. 80 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	36
X	min. 80 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	40
XII	min. 80 gpm / min. 1800 PSI	1"	4 ea.	4 ea.	44

Nozzle Inserts & Accessories

Ceramic Nozzle Inserts

Part No.	Description	Price US
1-09400	Nozzle inserts M6	\$ 20.00
1-09401	Nozzle inserts M8	\$ 28.00
1-09402	Nozzle inserts M10	\$ 43.00
1-09403	Nozzle inserts M12	\$ 43.00
1-09404	Nozzle inserts SW 14	\$ 49.00

Stainless Steel nozzle inserts

1-09405	Nozzle inserts M5	\$ 11.00
1-09406	Nozzle inserts M6	\$ 11.00
1-09407	Nozzle inserts M8	\$ 16.00
1-09408	Nozzle inserts M10	\$ 20.00
1-09409	Nozzle inserts M12	\$ 20.00
1-09410	Nozzle inserts SW 14	\$ 20.00
1-09411	Fan jet	\$ 34.00

Swivels

3-09400	Swivel joint 1/2"	\$ 248.00
3-09401	Swivel joint 3/4"	\$ 328.00
3-09402	Swivel joint 1"	\$ 380.00
3-09403	Swivel joint 1 1/4"	\$ 552.00
3-09104	Pulling swivel for milling cutter	\$ 304.00

Coilars

	1/2" to 3/4", 1" to 1", 1" to 1 1/4"	
	Please call for pricing and availability	

Bushings

1-09500	Bushing 1/2" - 3/4"	\$ 33.00
1-09501	Bushing 3/4" - 1"	\$ 26.00
1-09502	Bushing 3/4" - 1"	\$ 50.00
1-09503	Bushing 1" - 3/4"	\$ 29.00
1-09504	Bushing 1" - 1 1/4"	\$ 66.00
1-09505	Bushing 1 1/4" - 1"	\$ 41.00

Accessories

3-09600	Tiger Tails	\$ 67.00
3-09601	Pipe wrench	\$ 56.00
3-09602	Pulling eye M8	\$ 21.00
3-09603	Nozzle case	\$ 197.00
3-09604	Tip cleaner	\$ 20.00
3-09605	Bottle of Teflon	\$ 25.00
3-09606	Insert gauges small or large	\$ 16.00

Flexible guide skid

Part No.	Description	Pipe Ø	Price US
1-0940	Flexible guide skid	6"-12"	\$ 2,045.00
1-0941	Flexible guide skid	10"-20"	\$ 3,623.00
1-0942	Tear drop shape skid	10"-48"	\$ 1,998.00