

SWITCH BLADE™

STATIC, ZERO-DEGREE HYDRO EXCAVATION NOZZLE

**DIG FASTER.
SAVE WATER.**

PERFORMANCE – Complete jobs faster with more runtime and less downtime. A combination of (1), (2), or (4) 0° solid stream nozzles provide greater impingement, allowing you to cut through soil faster while using dramatically less water. The Switchblade's long, linear flow path is ideally suited for trenching applications.

DURABILITY – These heavy duty, high impact nozzles are constructed with stainless steel housings and tungsten carbide wear surfaces to withstand harsh environments and provide longer life than stainless steel nozzle tips.

SAFETY – Non-conductive urethane coating on the nozzle body protects the operator and sensitive underground utilities.

FLEXIBILITY – Individual, replaceable, color-coded nozzle pills allow you to change water flow rate and pattern based on current soil conditions.



 **HYDRA-FLEX**
FLUID INNOVATION

www.hydrflexinc.com

SWITCHBLADE PRECONFIGURED NOZZLE KITS



SWITCHBLADE QUAD NOZZLE KIT

#4.0 SWITCHBLADE QUAD KIT



INCLUDES:

- Switchblade Quad Body
- (4) #1.0 Nozzle Pills

KIT	1002889
REBUILD KIT	1002951-040

#6.0 SWITCHBLADE QUAD KIT



INCLUDES:

- Switchblade Quad Body
- (2) #2.0 Nozzle Pills
- (2) #1.0 Nozzle Pills

KIT	1002949
REBUILD KIT	1002951-060

#8.0 SWITCHBLADE QUAD KIT



INCLUDES:

- Switchblade Quad Body
- (4) #2.0 Nozzle Pills

KIT	1001927
REBUILD KIT	1002951-080

#10.0 SWITCHBLADE QUAD KIT



INCLUDES:

- Switchblade Quad Body
- (2) #3.0 Nozzle Pills
- (2) #2.0 Nozzle Pills

KIT	1001928
REBUILD KIT	1002951-100

#12.0 SWITCHBLADE QUAD KIT



INCLUDES:

- Switchblade Quad Body
- (4) #3.0 Nozzle Pills

KIT	1002950
REBUILD KIT	1002951-120

#14.0 SWITCHBLADE QUAD KIT



INCLUDES:

- Switchblade Quad Body
- (2) #4.0 Nozzle Pills
- (2) #3.0 Nozzle Pills

KIT	1001929
REBUILD KIT	1002951-140



SWITCHBLADE DEUCE NOZZLE KIT

#2.0 SWITCHBLADE DEUCE KIT



INCLUDES:

- Switchblade Deuce Body
- (2) #1.0 Nozzle Pills

KIT	1002035-020
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#4.0 SWITCHBLADE DEUCE KIT



INCLUDES:

- Switchblade Deuce Body
- (2) #2.0 Nozzle Pills

KIT	1002035-040
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#6.0 SWITCHBLADE DEUCE KIT



INCLUDES:

- Switchblade Deuce Body
- (2) #3.0 Nozzle Pills

KIT	1002035-060
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#8.0 SWITCHBLADE DEUCE KIT



INCLUDES:

- Switchblade Deuce Body
- (2) #4.0 Nozzle Pills

KIT	1002035-080
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#10.0 SWITCHBLADE DEUCE KIT



INCLUDES:

- Switchblade Deuce Body
- (2) #5.0 Nozzle Pills

KIT	1002035-100
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#12.0 SWITCHBLADE DEUCE KIT



INCLUDES:

- Switchblade Deuce Body
- (2) #6.0 Nozzle Pills

KIT	1002035-120
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SWITCHBLADE PRECONFIGURED NOZZLE KITS



SWITCHBLADE ACE NOZZLE KIT

#1.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #1.0 Nozzle Pill

KIT

1002036-010

#2.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #2.0 Nozzle Pill

KIT

1002036-020

#3.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #3.0 Nozzle Pill

KIT

1002036-030

#4.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #4.0 Nozzle Pill

KIT

1002036-040

#5.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #5.0 Nozzle Pill

KIT

1002036-050

#6.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #6.0 Nozzle Pill

KIT

1002036-060

#8.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #8.0 Nozzle Pill

KIT

1002036-080

#10.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #10.0 Nozzle Pill

KIT

1002036-100

#12.0 SWITCHBLADE ACE KIT



INCLUDES:

- Switchblade Ace Body
- (1) #12.0 Nozzle Pill

KIT

1002036-120

Nozzle size based off industry standard flow rates at 4,000 PSI

FLOW RATE (GPM) SWITCHBLADE KITS

NOZZLE SIZE	@ 1000 PSI	@ 1500 PSI	@ 2000 PSI	@ 2500 PSI	@ 3000 PSI	@ 3200 PSI
# 1.0 Kit	0.5 GPM	0.6 GPM	0.7 GPM	0.8 GPM	0.9 GPM	0.9 GPM
# 2.0 Kit	1.0 GPM	1.2 GPM	1.4 GPM	1.6 GPM	1.7 GPM	1.8 GPM
# 3.0 Kit	1.5 GPM	1.8 GPM	2.1 GPM	2.4 GPM	2.6 GPM	2.7 GPM
# 4.0 Kit	2.0 GPM	2.4 GPM	2.8 GPM	3.2 GPM	3.5 GPM	3.6 GPM
# 5.0 Kit	2.5 GPM	3.1 GPM	3.5 GPM	4.0 GPM	4.3 GPM	4.5 GPM
# 6.0 Kit	3.0 GPM	3.7 GPM	4.2 GPM	4.7 GPM	5.2 GPM	5.4 GPM
# 8.0 Kit	4.0 GPM	4.9 GPM	5.6 GPM	6.3 GPM	6.9 GPM	7.2 GPM
# 10.0 Kit	5.0 GPM	6.1 GPM	7.1 GPM	7.9 GPM	8.7 GPM	8.9 GPM
# 12.0 Kit	6.0 GPM	7.3 GPM	8.5 GPM	9.5 GPM	10.4 GPM	10.7 GPM
# 14.0 Kit	7.0 GPM	8.6 GPM	9.9 GPM	11.1 GPM	12.1 GPM	12.5 GPM

SWITCHBLADE™

STATIC, ZERO-DEGREE HYDRO EXCAVATION NOZZLE

TO CUSTOMIZE YOUR NOZZLE:

1. SELECT YOUR NOZZLE BODY



2. SELECT 1, 2, OR 4 NOZZLE PILLS DEPENDING ON BODY SELECTION



Nozzle size based off industry standard flow rates at 4,000 PSI

PART NUMBER	DESCRIPTION	COLOR	CONNECTION THREAD	FLOW RATE (EACH PILL) (GPM)					
				@ 1000 PSI	@ 1500 PSI	@ 2000 PSI	@ 2500 PSI	@ 3000 PSI	@ 3200 PSI
1002036	Switchblade Ace Body - 1 Pill Port	-	1/2" NPT Inlet, 30 Mesh Screen	-	-	-	-	-	-
1002035	Switchblade Deuce Body - 2 Pill Ports	-	1/2" NPT Inlet, 30 Mesh Screen	-	-	-	-	-	-
1001779	Switchblade Quad Body - 4 Pill Ports	-	1/2" NPT Inlet, 30 Mesh Screen	-	-	-	-	-	-
1001780-010	1.0 Nozzle Pill	Blue	1/8" NPT	0.5 GPM	0.6 GPM	0.7 GPM	0.8 GPM	0.9 GPM	0.9 GPM
1001780-020	2.0 Nozzle Pill	Yellow	1/8" NPT	1.0 GPM	1.2 GPM	1.4 GPM	1.6 GPM	1.7 GPM	1.8 GPM
1001780-030	3.0 Nozzle Pill	Green	1/8" NPT	1.5 GPM	1.8 GPM	2.1 GPM	2.4 GPM	2.6 GPM	2.7 GPM
1001780-040	4.0 Nozzle Pill	Orange	1/8" NPT	2.0 GPM	2.4 GPM	2.8 GPM	3.2 GPM	3.5 GPM	3.6 GPM
1001780-050	5.0 Nozzle Pill	Purple	1/8" NPT	2.5 GPM	3.1 GPM	3.5 GPM	4.0 GPM	4.3 GPM	4.5 GPM
1001780-060	6.0 Nozzle Pill	Red	1/8" NPT	3.0 GPM	3.7 GPM	4.2 GPM	4.7 GPM	5.2 GPM	5.4 GPM
1001780-080	8.0 Nozzle Pill	Black	1/8" NPT	4.0 GPM	4.9 GPM	5.7 GPM	6.3 GPM	6.9 GPM	7.2 GPM
1001780-100	10.0 Nozzle Pill	White	1/8" NPT	5.0 GPM	6.1 GPM	7.1 GPM	7.9 GPM	8.7 GPM	8.9 GPM
1001780-120	12.0 Nozzle Pill	Pink	1/8" NPT	6.0 GPM	7.3 GPM	8.5 GPM	9.5 GPM	10.4 GPM	10.7 GPM
3000795	SST Plug	-	1/8" NPT	-	-	-	-	-	-



SPECIFICATIONS			
Maximum Inlet Pressure	3,200 PSI (220 bar)	Inlet Connection Thread	1/2" NPT Inlet
Maximum Water Temperature	180°F (+82°C)	NOZZLE DIMENSIONS	
Housing Material	Stainless Steel	Switchblade Ace	3.4" L x 2" W
Coating Material	Urethane	Switchblade Deuce	3.4" L x 2" W
Nozzle Tip Material	Tungsten Carbide	Switchblade Quad	3.4" L x 3.4" W