



# DERC Runner Nozzle

- + PATENTED
- + UNIQUE DESIGN
- + UNPLUGGING OR POLISHING
- + MAX. WORKING PRESSURE 1500 BAR

**MADE BY  
DERC**

# DERC Runner Nozzle

The DERC Runner Nozzle is a rotating tube cleaning nozzle, designed for cleaning heat exchanger tubes. The DERC Runner Nozzle has a maximum working pressure of 1500 bar and is available with various nozzle heads to remove hard plugs or scales.

## 1. BULLET HEAD

- > High efficiency jets, recessed drilled
- > Uniquely shaped nozzle head for improved cleaning & unplugging
- > Available as Standard, Polisher or Unplugging head

## 2. RUNNER BODY

- > High efficiency swivel body
- > Hardened body
- > Wrench flats

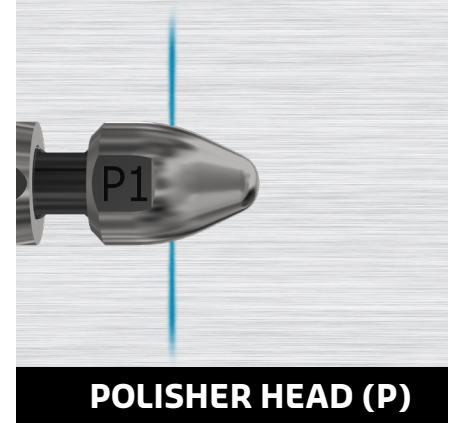
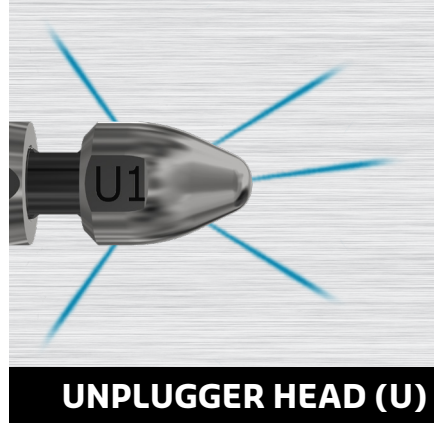
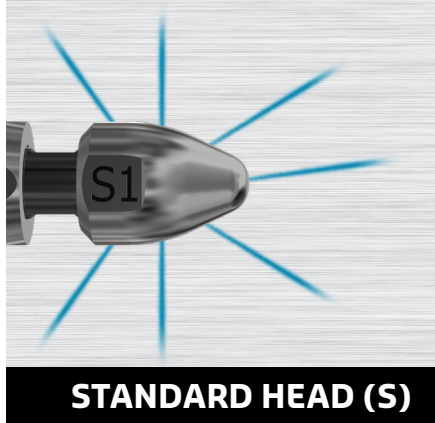


## 3. INLET COVER

- > Hardened inlet cover to improve mechanical wear/ tear
- > Various connections

# THE TUBE CLEANING NOZZLE FOR ALL TUBES

## DERC RUNNER NOZZLE HEADS



\* Custom design configurations available on request.

## DERC RUNNER NOZZLE

# SPECIFICATIONS

CONNECTION	MAX. PRESSURE	PART NO.
<b>Runner 10 - Diameter Ø 10 mm - Length 60 mm</b>		
M7x1 - Female	1500 bar / 22K	RUN10-M7F-3
5/16" UNF - Male (65mm)	1500 bar / 22K	RUN10-516M-3
1/16" NPT - Female	1000 bar / 15K	RUN10-116NF-3
1/4" UNF LH - Female	1500 bar / 22K	RUN10-M4LF-3
1/4" UNF RH - Female	1500 bar / 22K	RUN10-M4RF-3
<b>Runner 13 - Diameter Ø 13 mm - Length 75 mm</b>		
1/8" BSP - Female	1500 bar / 22K	RUN13-18F-3
1/8" NPT - Female	1000 bar / 15K	RUN13-18NF-3
3/8" UNF LH - Female	1500 bar / 22K	RUN13-M6LF-3
3/8" UNF RH - Female	1500 bar / 22K	RUN13-M6RF-3
<b>Runner 18 - Diameter Ø 18 mm - Length 101 mm</b>		
1/4" BSP - Female	1500 bar / 22K	RUN18-14F-2
1/4" NPT - Female	1000 bar / 15K	RUN18-14NF-2
9/16" UNF LH - Female	1500 bar / 22K	RUN18-M9LF-2
9/16" UNF RH - Female	1500 bar / 22K	RUN18-M9RF-2
<b>Runner 24 - Diameter Ø 24 mm - Length 134 mm</b>		
3/8" BSP - Female	1500 bar / 22K	RUN24-38F
3/8" NPT - Female	1000 bar / 15K	RUN24-38NF
9/16" UNF LH - Female	1500 bar / 22K	RUN24-M9LF
9/16" UNF RH - Female	1500 bar / 22K	RUN24-M9RF

PART NUMBER	TYPE	MAX WORKING PRESSURE	FLOW
<b>Runner 10</b>			
RUN10-025B-S1	Standard	1000-1500 bar/ 15-22K	24-30 lpm / 6,5-8 gpm
RUN10-025B-U1	Unplugger	700-1000 bar/ 10-15K	19-23 lpm / 5-6 gpm
RUN10-025B-U2	Unplugger	1000-1500 bar/ 15-22K	21-25 lpm / 5.5-6.5 gpm
RUN10-025B-P1	Polisher	700-1000 bar/ 10-15K	17-21 lpm / 4.5-5.5 gpm
RUN10-025B-P2	Polisher	1000-1500 bar/ 15-22K	19-23 lpm / 5-6 gpm
<b>Runner 13</b>			
RUN13-025B-S1	Standard	700-1000 bar / 10-15K	30-38 lpm / 8-10 gpm
RUN13-025B-S3	Standard	1000-1500 bar / 15-22K	30-38 lpm / 8-10 gpm
RUN13-025B-U1	Unplugger	700-1000 bar / 10-15K	27-34 lpm / 7-9 gpm
RUN13-025B-U3	Unplugger	1000-1500 bar / 15-22K	27-34 lpm / 7-9 gpm
RUN13-025B-P1	Polisher	700-1000 bar / 10-15K	27-34 lpm / 7-9 gpm
RUN13-025B-P3	Polisher	1000-1500 bar / 15-22K	27-34 lpm / 7-9 gpm
<b>Runner 18</b>			
RUN18-025B-S1	Standard	700-1000 bar / 10-15K	42-53 lpm / 11-14 gpm
RUN18-025B-S2	Standard	700-1000 bar / 10-15K	30-38 lpm / 8-10 gpm
RUN18-025B-S3	Standard	1000-1500 bar / 15-22K	42-53 lpm / 11-14 gpm
RUN18-025B-U1	Unplugger	700-1000 bar / 10-15K	42-53 lpm / 11-14 gpm
RUN18-025B-U2	Unplugger	700-1000 bar / 10-15K	30-38 lpm / 8-10 gpm
RUN18-025B-U3	Unplugger	1000-1500 bar / 15-22K	42-53 lpm / 11-14 gpm
RUN18-025B-U4	Unplugger	1000-1500 bar / 15-22K	30-38 lpm / 8-10 gpm
RUN18-025B-P1	Polisher	700-1000 bar / 10-15K	42-53 lpm / 11-14 gpm
RUN18-025B-P2	Polisher	700-1000 bar / 10-15K	30-38 lpm / 8-10 gpm
RUN18-025B-P3	Polisher	1000-1500 bar / 15-22K	42-53 lpm / 11-14 gpm
RUN18-025B-P4	Polisher	1000-1500 bar / 15-22K	30-38 lpm / 8-10 gpm
<b>Runner 24</b>			
RUN24-025B-P1	Polisher	700-1000 bar / 10-15K	76-95 lpm / 20-25 gpm
RUN24-025B-P2	Polisher	700-1000 bar / 10-15K	57-72 lpm / 15-19 gpm
RUN24-025B-P3	Polisher	700-1000 bar / 10-15K	45-53 lpm / 12-14 gpm
RUN24-025B-P4	Polisher	1000-1500 bar / 15-22K	68-80 lpm / 18-21 gpm
RUN24-025B-P5	Polisher	1000-1500 bar / 15-22K	57-64 lpm / 15-17 gpm
RUN24-025B-P6	Polisher	1000-1500 bar / 15-22K	45-53 lpm / 12-14 gpm
RUN24-025B-S1	Standard	700-1000 bar / 10-15K	76-95 lpm / 20-25 gpm
RUN24-025B-S2	Standard	700-1000 bar / 10-15K	57-72 lpm / 15-19 gpm
RUN24-025B-S3	Standard	700-1000 bar / 10-15K	45-53 lpm / 12-14 gpm
RUN24-025B-S4	Standard	1000-1500 bar / 15-22K	68-80 lpm / 18-21 gpm
RUN24-025B-S5	Standard	1000-1500 bar / 15-22K	57-64 lpm / 15-17 gpm
RUN24-025B-S6	Standard	1000-1500 bar / 15-22K	45-53 lpm / 12-14 gpm

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