

# E4SD MINE DUTY

## PRIMARY BELT CLEANER



The E4SD Primary Cleaner Series was created as an ideal option for affordable, easy-to-maintain carryback elimination.

### Uni-BLADE™

Patent Number  
12246927

Available in -2 & -8 widths as standard  
others available upon request.



2-3/8" OD  
Mounting Pipe

Powder-coated as standard or available  
in stainless steel

BLADE  
HEIGHT **7-1/4"**

### Ev-R-Wear™

Proprietary urethane blend to increase  
abrasion-resistance and lubricity.

EAGLE COMPRESSION SYSTEM

- Compact
- Stainless Assembly to Extend Life
- Self-Adjusting
- Features propeller nut to simplify tensioning in the field

Gap Gage Installation Tool



Dual Tensioners required on belt  
widths over 48"

## FEATURES & BENEFITS

- Universal blade is the first of its kind. Our **Uni-BLADE™** eliminates loose fit and chatter due to its full engagement to the mounting pipe. The **Uni-BLADE™** also allows for more options for blade lengths without drilling holes in mounting pipe frame.
- Urethane blend used for **Ev-R-Wear™** blades received test results of ZERO in both flame and afterglow times, earning its MSHA approval for mine-use.
- Works with all splice types without damage to the belt.
- Tensioning system is constructed of stainless steel and composite bushings - most dependable, long-lasting materials available
- Gap gage included with every cleaner for easy install
  - Ensures proper gap between mounting pipe & belt
  - Ensures consistency of gap for entire length of mounting pipe to guarantee proper engagement

[www.americaneaglemanufacturing.com](http://www.americaneaglemanufacturing.com)

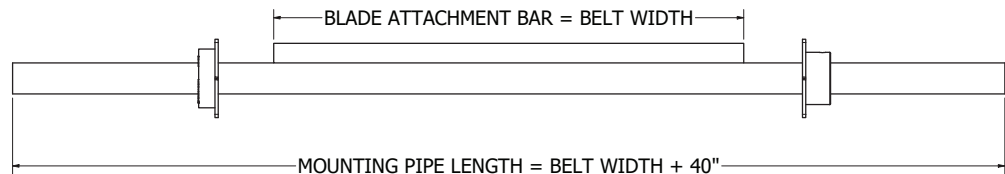
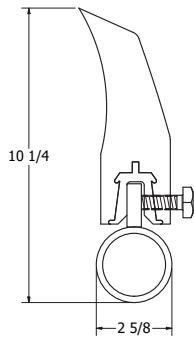
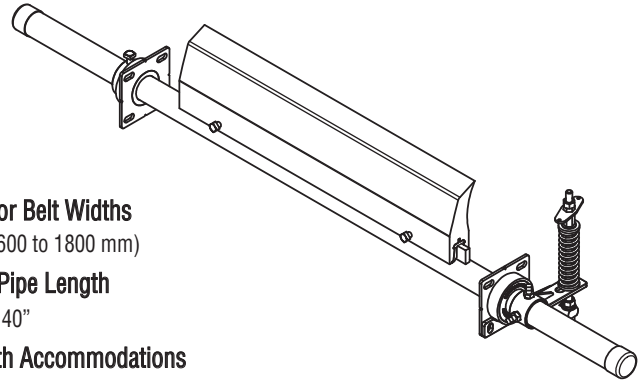
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# E4SD MINE DUTY

## Primary Belt Cleaner

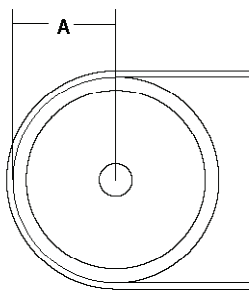
### Specifications and Guidelines

- **Maximum Belt Speed**  
1200 FPM (5 M/sec)
- **Temperature Rating**  
-30°F to 212°F (-35°C to 100°C)
- **Minimum Pulley Diameter**  
24" (600 mm)
- **Tensioner Type**  
Eagle Compression System
- **Blade Material**  
**Ev-R-Wear™**  
85 Durometer Polyurethane
- **Blade Height**  
7-1/4" (185 mm)
- **Horizontal Clearance Requirement**  
4" (100 mm)
- **Vertical Clearance Requirement**  
9-1/2" (238 mm)
- **Available for Belt Widths**  
24" to 72" (600 to 1800 mm)
- **Mounting Pipe Length**  
Belt width + 40"
- **Blade Width Accommodations**  
-2, -6, -8



### Determining Mounting Pipe Arc

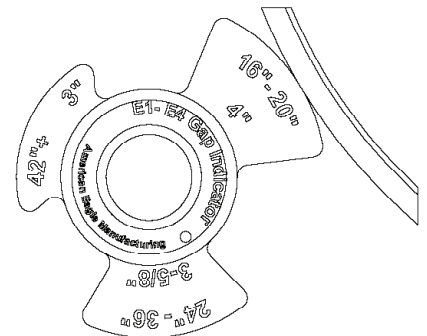
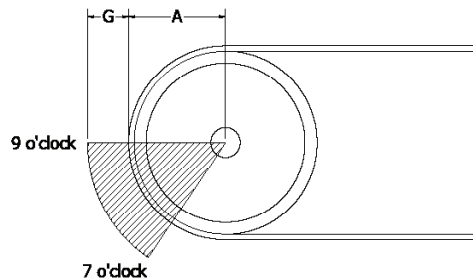
$$A \times 2 = \text{Arc Dimension}$$



Gap Dimension Chart	
PULLEY DIAMETER	GAP
16" - 20"	4"
24" - 36"	3-5/8"
42" +	3"
TOLERANCES + OR - 1/4"	

Your Gap Dimension

$G + A = \text{Arc Dimension}$  This is your arc dimension on chutewall for mounting bracket



### Ordering Information

Belt Width	-2 Blade Width	Part Number
24"	22"	E4SDCSM24
30"	28"	E4SDCSM30
36"	34"	E4SDCSM36
42"	40"	E4SDCSM42
48"	46"	E4SDCDM48
54"	52"	E4SDCDM54
60"	58"	E4SDCDM60
72"	70"	E4SDCDM72

Replacement Blade
E4M22
E4M28
E4M34
E4M40
E4M46
E4M52
E4M58
E4M70

Belt Width	-8 Blade Width	Part Number
24"	16"	E4SDCSM24-8
30"	22"	E4SDCSM30-8
36"	28"	E4SDCSM36-8
42"	34"	E4SDCSM42-8
48"	40"	E4SDCDM48-8
54"	46"	E4SDCDM54-8
60"	52"	E4SDCDM60-8
72"	64"	E4SDCDM72-8

Replacement Blade
E4M16
E4M22
E4M28
E4M34
E4M40
E4M46
E4M52
E4M64



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866-713-8985 fax (252) 633-5487

