AMERICAN EAGLE MANUFACTURING · ECT4HD

Mine-duty primary belt cleaner.

The ACT Group
Environmental Services Division

BULK MATERIAL HANDLING · SINCE 1991

BUILT FOR THE WORST BELT IN THE PLANT

Impressive cleaning, less time on the wrench.

Both efficient and durable, the **ECT4HD primary cleaner series** was designed to reduce maintenance time with impressive cleaning results — and to survive mine duty while doing it. MSHA approved (IC-379/01) with a proprietary urethane blend that scored **ZERO in both flame and afterglow** testing. Patent No. 12246927.

The 7-1/4" universal blade is the first of its kind: full engagement to the mounting pipe eliminates loose fit and chatter, and allows more blade length options without drilling holes in the mounting pipe frame.



Eagle Covered Torsion System

- The simplest and most accurate tensioning system on the market — Patent No. 8,485,344
- **Only 4 components:** stainless steel bracket, stainless steel spring, Eagle Torsion™ ring, tension indicator
- Stainless steel and composite bushings — the most dependable, long-lasting materials available
- Works with **all splice types** without damaging the belt

Every cleaner includes

- **Gap gage installation tool** — ensures proper gap between mounting pipe and belt
- Consistent gap across the entire pipe length guarantees proper blade engagement
- 2-3/8" OD mounting pipe, powder-coated standard or stainless steel
- Dual tensioners recommended on belt widths over 48"

Specifications & guidelines · ECT4HD

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 Covered Torsion System
Blade material	Ev-R-Wear™ 85 durometer polyurethane
Blade height	7-1/4" (185 mm) · widths -2, -6, -8
Clearance required	4" horizontal · 9-1/2" vertical
Belt widths	24" to 72" · mounting pipe = belt width + 40"

Running a mine-duty belt? This is the primary for it.

ACT stocks the ECT4HD and its blades, installs it, and maintains it under our Belt Cleaner Maintenance Program.

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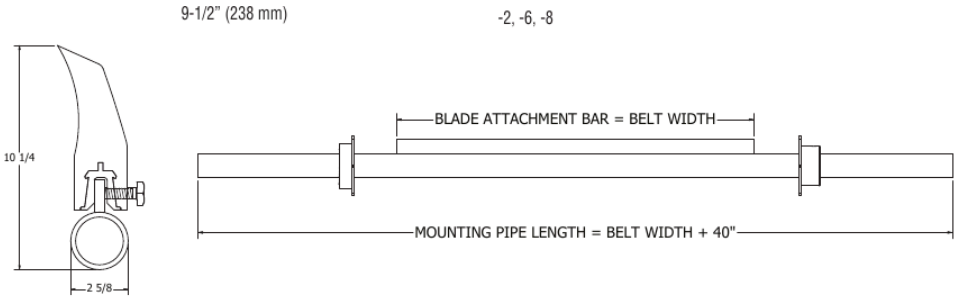
Sized to your belt. On the shelf.

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DIMENSIONS

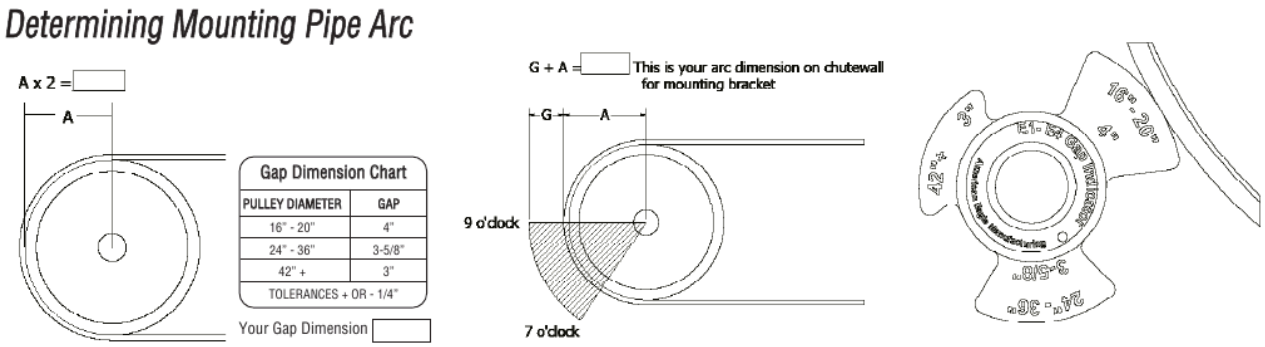
E4 blade/pipe profile & mounting geometry.



10-1/4" profile over 2-5/8" pipe · blade attachment bar = belt width · mounting pipe = belt width + 40"

DETERMINING MOUNTING PIPE ARC

Set the gap once, set it right.



Gap by pulley diameter: 16"–20" → 4" · 24"–36" → 3-5/8" · 42"+ → 3" (tolerance ±1/4"). G + A = arc dimension on chutewall for the mounting bracket.

ORDERING INFORMATION

Every width, both blade profiles.

ECT4HD · -2 blade

Belt width	-2 blade width	Part number	Replacement blade
24"	22"	ECT4HDCSM24	E4M22
30"	28"	ECT4HDCSM30	E4M28
36"	34"	ECT4HDCSM36	E4M34
42"	40"	ECT4HDCSM42	E4M40
48"	46"	ECT4HDCSM48	E4M46
54"	52"	ECT4HDCSM54	E4M52
60"	58"	ECT4HDCSM60	E4M58
72"	70"	ECT4HDCSM72	E4M70

ECT4HD · -8 blade

Belt width	-8 blade width	Part number	Replacement blade
24"	16"	ECT4HDCSM24-8	E4M16
30"	22"	ECT4HDCSM30-8	E4M22
36"	28"	ECT4HDCSM36-8	E4M28
42"	34"	ECT4HDCSM42-8	E4M34
48"	40"	ECT4HDCSM48-8	E4M40
54"	46"	ECT4HDCSM54-8	E4M46
60"	52"	ECT4HDCSM60-8	E4M52
72"	64"	ECT4HDCSM72-8	E4M64

Order by belt width. We handle the rest.

Give us the belt width and blade profile — we quote the ECT4HD, the replacement blades, and installation by ACT crews.

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