

# IDLERS

**CEMA B | CEMA C | CEMA D | CEMA E**

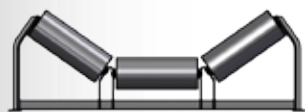


**TROUGHING | RETURN | IMPACT | RUBBER DISC RETURN  
SELF ALIGNING | SCALE QUALITY | LIVE SHAFT | V RETURN**

**DOUGLAS D**



# Idler Styles



Equal Troughing



Unequal Troughing



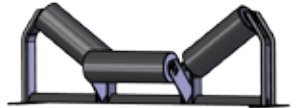
Feeder / Picking



Channel Mount Low Profile



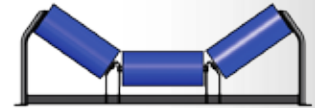
Impact Troughing



Offset Center Roll Troughing



Self-Aligning Troughing



Equal Troughing With Spun Urethane Coating



2-Roll Troughing



Scale Quality Troughing



Self-Aligning Return



Live Shaft Rubber Disc



Live Shaft Steel



Squirrel Cage Rolls



Flat Carrying Idler



Rubber Disc Flat Idler



Rubber Disc Return



Negotiator Self-Aligning Return



V-Return



Beater Rolls



Channel Inset Return



Channel Inset Rubber Disc Return



Return



Return With Spun Urethane Coating

Douglas® manufactured Idlers are engineered for CEMA B, C, D or E applications in the styles shown above. Douglas® also manufactures custom idlers, custom rolls and specialty metric rolls.

# CEMA B, C, D & E Idlers



- Deep drawn steel end cap with metal outer seal
- Exclusive Triple Lip Polyurethane Contact Seal
- The optional Defender™ Polymer Flinger helps prevent material from rolling on the roll and the frame as well as helps provide additional protection
- CNC Machined, shouldered shaft helps ensure proper fit
- Rigid, self cleaning, welded steel frame with reinforced corners
- Heavy precision ground sealed for life ball bearings
- Reduced friction levels help conserve energy
- Meets or exceeds CEMA B, C, D & E idler requirements
- All Douglas Welders are AWS Certified



Provides excellent durability and protection  
Helps prevent bearing contamination  
Prevents material buildup between the end of the shaft  
Provides additional sealing in wet and corrosive applications  
Ensures proper bearing alignment  
Features interchangeable mounting slots  
Available in various sizes and configurations

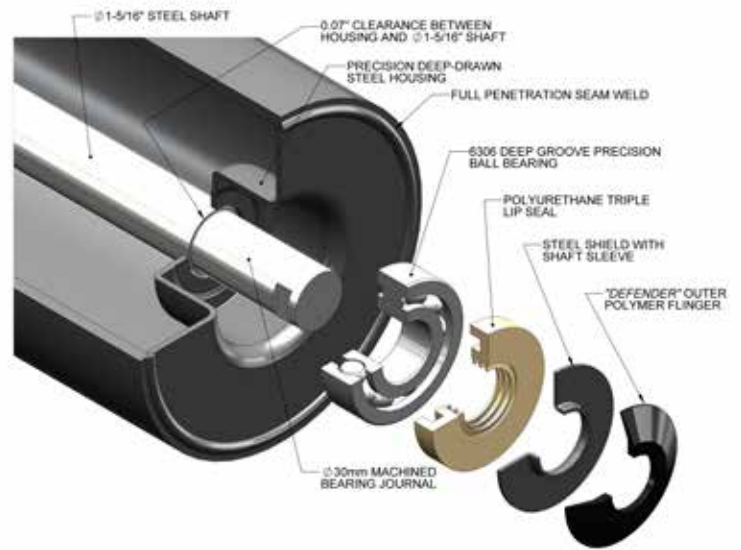
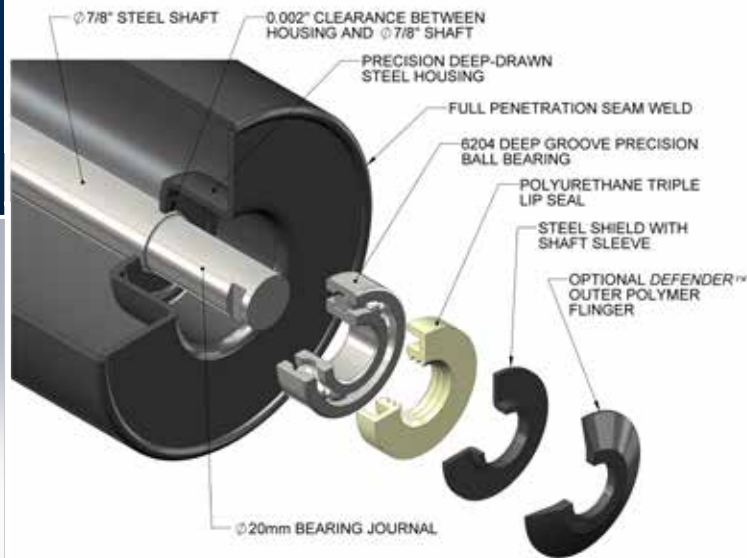


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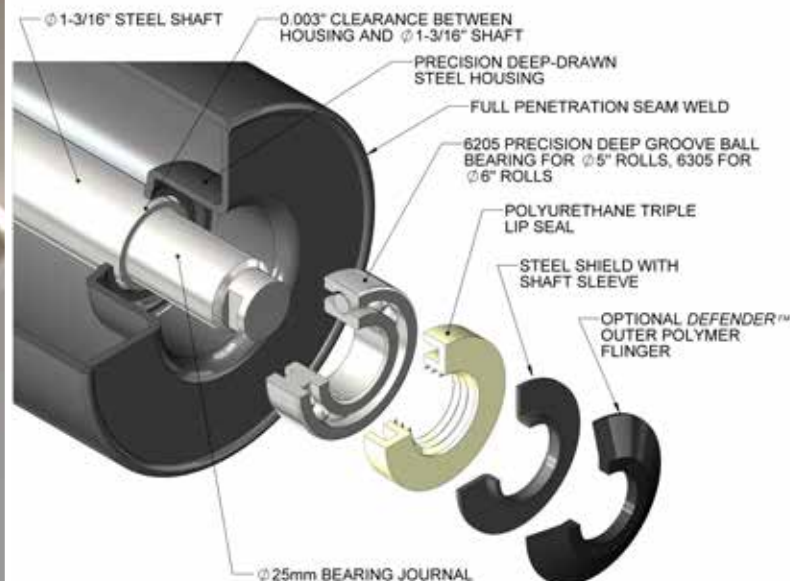
sales@douglasmanufacturing.com

# CEMA C Idler Roll Detail

# CEMA E Idler Roll Detail



# CEMA D Idler Roll Detail



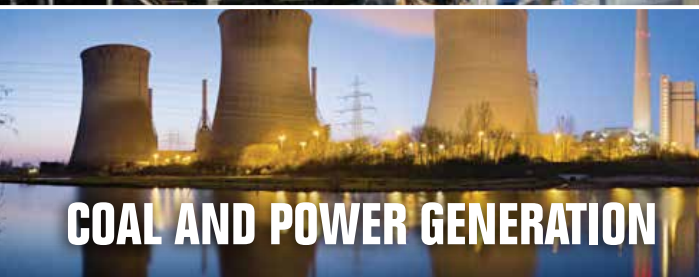
## Idler Features



- ① Foot Bracket - open design allows for single or double bolt hole mounting
- ② Self-cleaning base angle design
- ③ Die formed End Brackets provide clearance preventing material from being trapped between roll and end bracket
- ④ Bearing housings are welded 100% within the tubing O.D. (Welds do not contact the conveyor belt)
- ⑤ Retainer clip holds rolls within the frame and offers easy roll removal
- ⑥ Narrow roll gaps protect belt from excessive wear

IDLER SPECIFICATIONS					
Class	Bearing Dia.	Shaft Dia.	Roll Dia.	Roll Thickness	Belt Width
CEMA-B	20mm	7/8"	4" & 5"	11 Ga	18" - 48"
CEMA-C	20mm	7/8"	4", 5", & 6"	11 Ga	18" - 60"
CEMA-D	25mm	1-3/16"	5" & 6"	9 Ga & 8 Ga	24" - 72"
CEMA-E	30mm	1-5/16"	6" & 7"	3/16" & 1/4"	36" - 96"

## INDUSTRIES SERVED INCLUDE:



Also Available from Douglas:

**PULLEYS**

**LAGGING**

**IMPACT BEDS**

**TAKE-UPS**

**MAGNETIC SEPARATORS**

Contact us 205-884-1200

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Or visit our website at

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



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