



# Moxie<sup>®</sup> Rolls

HIGH DENSITY POLYETHYLENE IDLER ROLLS

Patent Pending



An idler option that improves the service life of your conveyor system.

## Bearing Protection

- SpinGuard<sup>®</sup> seal system shields the bearing from penetrating grit.
  - Extends life of the idler roll
  - Reduce roll change outs

## Abrasion Resistance

- The material characteristics of HDPE diminish the damaging effect abrasive materials have on conveyor idlers and belting.
  - Reduces material build up on rolls
  - Extends the life of conveyor belt

## Lightweight

- Moxie Rolls are lighter than steel.
  - Safe installation of replacement rolls
  - Energy savings
  - Less horsepower required to start and run your conveyor belt

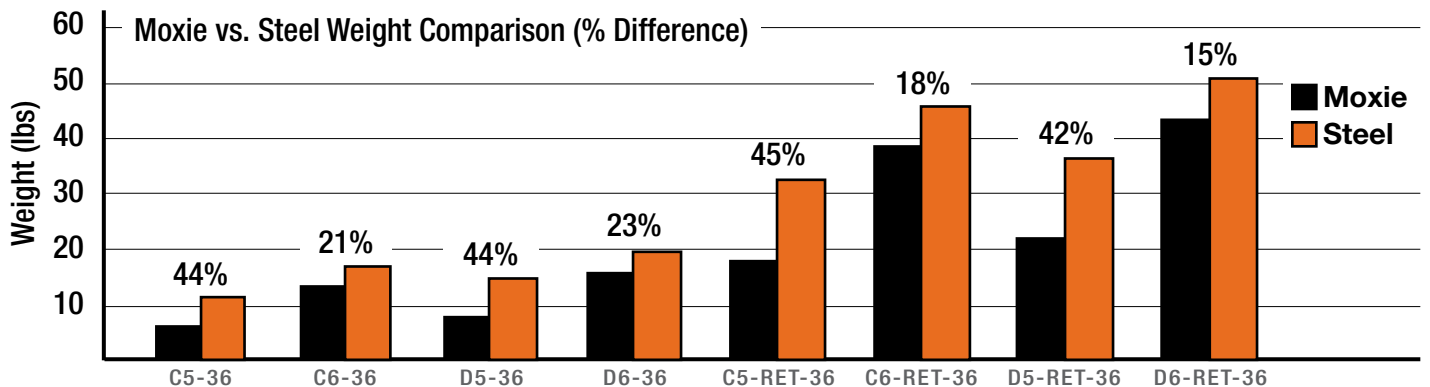
## Corrosion Resistance

- HDPE won't rust like steel in corrosive environments.
  - Fewer roll change outs
  - Reduce maintenance expense

## Noise Reduction

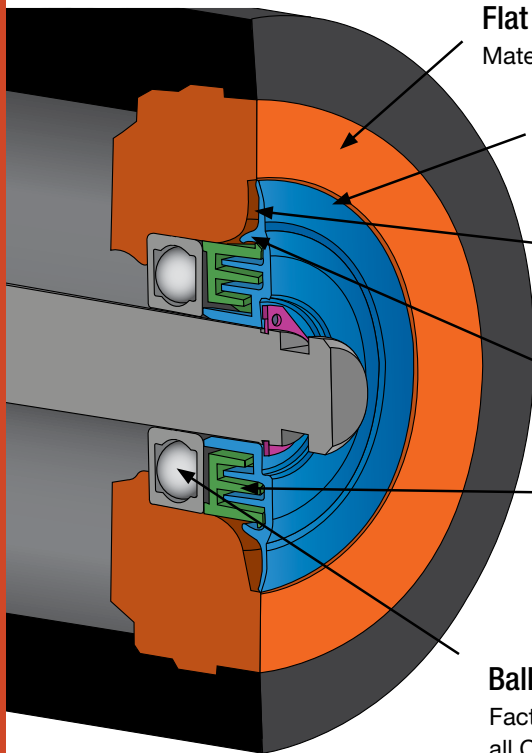
- Decreases the sound generated when conveyor belt fasteners contact idler cans as the belt travels the length of the conveyor.
  - Up to 3x quieter
  - Reduce overall noise coming from your plant

## Thickest Shell in the Industry



# Moxie® Roll Cutaway with SpinGuard Seal System

Patent Pending with Spin Guard Seal System



## Flat Surface

Material will not build up across the flat surface

## Recessed/Stationary External Seal

Stationary external seal is recessed and helps prevent material pinch points between the frame and the end of the roller

## Centrifugal Force Chamber

Centrifugal force creates a self-cleaning flinger effect, keeping water and dirt out

## Contact Seal

First defense against contaminants is the contact seal which creates less drag than a rubber seal

## Triple Labyrinth Seal

Triple labyrinth seal which makes contaminants travel a longer distance

- The labyrinth is also grease filled to keep contaminants away from the ball bearing
- The delrin seal material is more durable and is less susceptible to corrosion

## Ball Bearing

Factory sealed metric ball bearing on all CEMA rated idlers

## Part Numbers

Part Numbers - Troughing Idler					
BW	CEMA C		CEMA D		
	20°	35°	20°	35°	
5"	18	C5-20E-18MOX	C5-35E-18MOX	-	-
	24	C5-20E-24MOX	C5-35E-24MOX	D5-20E-24MOX	D5-35E-24MOX
	30	C5-20E-30MOX	C5-35E-30MOX	D5-20E-30MOX	D5-35E-30MOX
	36	C5-20E-36MOX	C5-35E-36MOX	D5-20E-36MOX	D5-35E-36MOX
	42	C5-20E-42MOX	C5-35E-42MOX	D5-20E-42MOX	D5-35E-42MOX
	48	C5-20E-48MOX	C5-35E-48MOX	D5-20E-48MOX	D5-35E-48MOX
	54	C5-20E-54MOX	C5-35E-54MOX	D5-20E-54MOX	D5-35E-54MOX
	60	C5-20E-60MOX	C5-35E-60MOX	D5-20E-60MOX	D5-35E-60MOX
	72	-	-	D5-20E-72MOX	D5-35E-72MOX
6"	18	C6-20E-18MOX	C6-35E-18MOX	-	-
	24	C6-20E-24MOX	C6-35E-24MOX	D6-20E-24MOX	D6-35E-24MOX
	30	C6-20E-30MOX	C6-35E-30MOX	D6-20E-30MOX	D6-35E-30MOX
	36	C6-20E-36MOX	C6-35E-36MOX	D6-20E-36MOX	D6-35E-36MOX
	42	C6-20E-42MOX	C6-35E-42MOX	D6-20E-42MOX	D6-35E-42MOX
	48	C6-20E-48MOX	C6-35E-48MOX	D6-20E-48MOX	D6-35E-48MOX
	54	C6-20E-54MOX	C6-35E-54MOX	D6-20E-54MOX	D6-35E-54MOX
	60	C6-20E-60MOX	C6-35E-60MOX	D6-20E-60MOX	D6-35E-60MOX
	72	-	-	D6-20E-72MOX	D6-35E-72MOX

Part Numbers - Return Idlers			
BW	CEMA C	CEMA D	
5"	18	C5-RET-18MOX	-
	24	C5-RET-24MOX	D5-RET-24MOX
	30	C5-RET-30MOX	D5-RET-30MOX
	36	C5-RET-36MOX	D5-RET-36MOX
	42	C5-RET-42MOX	D5-RET-42MOX
	48	C5-RET-48MOX	D5-RET-48MOX
	54	C5-RET-54MOX	D5-RET-54MOX
	60	C5-RET-60MOX	D5-RET-60MOX
	6"	18	C6-RET-18MOX
24		C6-RET-24MOX	D6-RET-24MOX
30		C6-RET-30MOX	D6-RET-30MOX
36		C6-RET-36MOX	D6-RET-36MOX
42		C6-RET-42MOX	D6-RET-42MOX
48		C6-RET-48MOX	D6-RET-48MOX
54		C6-RET-54MOX	D6-RET-54MOX
60		C6-RET-60MOX	D6-RET-60MOX

Self-aligning idlers should contain steel or rubber lagged rollers.

To get more information you can visit:  
[www.superior-ind.com](http://www.superior-ind.com) or call 1-800-437-9074

