

# EVO® High Speed Roller Cradle



The [EVO® High Speed Roller Cradle](#) is designed to provide belt support in transfer points where belt speeds exceed the operating limits of ordinary impact bar belt support cradles.

## NOMENCLATURE — HSRC-X<sub>1</sub>X<sub>2</sub>X<sub>3</sub>XX<sub>4</sub>XX<sub>5</sub>X<sub>6</sub>

- The first X indicates CEMA class:  
D = CEMA "D"  
E = CEMA "E"
- The next X indicates roll diameter:  
5 = 5 inches  
6 = 6 inches  
7 = 7 inches
- The next X indicates roll manufacturer:  
P = PPI
- The next XX indicates belt width:  
CEMA D is available in 30–72"  
CEMA E is available in 36–72"
- The next XX indicates trough angle:  
20 = 20 degrees  
35 = 35 degrees
- The next X indicates stringer width:  
S = Standard  
W = Wide

## BENEFITS

- Designed and engineered for high speed/high tonnage belts.
- Designed to withstand the highest belt speeds achievable with heavy-duty impact rolls.
- Slide-out/slide-in roller frames allow idler service without the need to raise belt or remove adjacent idlers.
- Close roll spacing allows effective belt sealing and superior belt support.
- Innovative upper connector brackets link idlers together throughout the load zone, allowing them to work together as a unified structure.
- Elastomer bar suspension absorbs shocks from impact maximizing the life of the belt support structure and rolling components.
- Accommodates belt widths and troughing angles for CEMA, DIN, SABS and other conveyor standards.
- Assemblies are supplied with impact rolls from Precision Pulley and Idler.

## SPECIFICATIONS

| Idler Diameter | Maximum Belt Speed |
|----------------|--------------------|
| 5 in.          | 700 FPM (3.5 m/s)  |
| 6 in.          | 870 FPM (4.4 m/s)  |
| 7 in.          | 990 FPM (5.0 m/s)  |



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