

Martin® High Speed Impact Cradle



The [Martin® High Speed Impact 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 $\frac{X}{1} \frac{X}{2} \frac{P-XX}{3} \frac{XX}{4} \frac{X}{5} \frac{X}{6}$

- 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 36–96"
- 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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QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001:2008 =**