



STEEL ROLLERS

**Strong, durable
and proven**



STEEL ROLLER CUTAWAY

Steel rollers remain an excellent choice across a wide range of conveyor applications. Where corrosion, roller weight and the reduced belt-damage risk of HDPE are not major concerns, a premium steel roller can be the most practical and economical solution.

WHERE STEEL MAKES SENSE

Corrosion is not a major issue

In dry or relatively benign conditions, where corrosion is not driving roller failures, steel remains a dependable choice.

Cost and value come first

Premium steel can be an economical option when the application does not need the additional benefits of HDPE.

Smaller belt widths and shorter rollers

Shorter rollers can mean fewer kilograms to save by changing shell material. Compare the actual weight of complete rollers.

Existing steel roller life is satisfactory

If steel is already achieving good service life, retaining it can make more sense than changing material without a clear benefit.

Heavy loads and shell rigidity

The stiffness and structural strength of a steel shell suit heavy loads where resistance to shell deflection matters. Specify the complete roller for the application.

Choose the roller to suit the application

HDPE provides major advantages where corrosion, weight, noise and belt protection matter. Premium steel remains a highly effective solution where those advantages are not required and strength, rigidity and value are the priorities.

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APPLICATION & SELECTION

SUPERIOR STEEL ROLLERS



Steel rollers in service



Superior steel rollers

WHAT TO SPECIFY

Load	Operating load, uneven load sharing and any impact at loading points.
Roller diameter	Select for belt speed and loading. Diameter affects rotational speed and bearing life.
Shell length and thickness	Check shell deflection and strength over the required roller length, with allowance for wear.
Shaft	Select shaft size for the applied load and span. Shaft deflection affects bearing alignment.
Bearings	Choose the bearing type and size for load, rotational speed and the required service life.
Sealing arrangement	Match the seals to dust, fines, water and washdown exposure to protect the bearings.

STEEL OR HDPE?

PREMIUM STEEL

A strong choice where shell rigidity and value take priority, corrosion is limited and steel already delivers satisfactory service life.

HDPE

Consider where a non-rusting shell, lower handling weight, quieter running or reduced belt-damage risk would improve the application.

Compare the complete roller

Compare rated load, actual weight, quoted price and expected service life. Shell material alone does not determine load capacity. Include replacement labour and access in the cost comparison.

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REQUEST A QUOTE

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