

TYC heavy duty roller chains are based on ANSI / ISO standards, but incorporate additional design features, manufacturing steps and process control to provide higher strength and better performance than standard ANSI / ISO chains. TYC heavy duty roller chains are the ideal solution for the most demanding applications because of their superior design and top quality workmanship.

HEAVY DUTY ROLLER CHAIN

Features:

- 
Extra link plate thickness
 Provides greater shock load resistance and higher ultimate tensile strength
- 
Wider waist design of link plates
 Ensures greater fatigue strength (maximizes allowable load)
- 
Through-hardened pins
 Provides greater shock load resistance and higher ultimate tensile strength
- 
Solid bushings and rollers
 Perfectly cylindrical inside wall reduces stretch and wear during initial operation
- 
Heat treatment stability
 Heat treatment process control ensures durability and uniformity
- 
Shot peened parts
 Chain parts are shot peened for greater fatigue strength
- 
Ball drifting
 Ensures greater fatigue strength (maximizes allowable load)
- 
Chain preloading
 Ensures durability and reduces initial elongation

TYC heavy duty roller chains are directly interchangeable with standard ANSI / ISO chains and are compatible with standard ANSI / ISO sprockets.



TYC provides a variety of ANSI / ISO heavy duty roller chains that meet your specific driving and loading requirements including heavy shock loads and higher fatigue strength for durability and long life.

ANSI/ISO Heavy (H) series

Chains have thicker link plates and through-hardened pins for greater shock resistance. Provides higher tensile and fatigue strength.



ANSI Super (S) series

Chains have wider-waist link plates & through-hardened pins for greater shock resistance. Provides higher fatigue strength.



ANSI Super Heavy (HS) series

Chains have the same features as S series plus thicker link plates. Provides even higher tensile and fatigue strength.



ANSI API series

Chains have the same features as S & HS series plus ball-drifted link plate apertures. Provides the highest tensile and fatigue strength.



ISO Super (S) series

Chains have wider-waist link plates for greater shock resistance. Provides higher fatigue strength.



ISO Super Heavy (HS) series

Chains have thicker link plates and through-hardened pins for greater shock resistance. Provides higher tensile and fatigue strength.



TYC Heavy Duty Roller Chain Tensile Strength and Fatigue Strength Comparison

