

Standard Duty vs Mine Duty Pulleys

Drum Pulleys

Standard Duty allows 0.023" (8 mins) of deflection.

Mine Duty allows 0.015" (5 mins) of deflection.

Permissible Shaft Deflection: Mine Duty Pulleys have a more rigid shaft, therefore the rest of the pulley components must be able to accommodate.

Drum Pulley Example: 12" dia x 38" long

Component	Standard Duty	Mine Duty
End Plate	3/8"	1/2"
Shell	3/8"	1/2"
Fillet Weld	3/8"	1/2"



Wing Pulleys

Standard Duty only uses deflectors for 8" diameter and over.

Mine Duty uses deflectors on all sizes.

Standard Duty only uses reinforcing rings on 16" diameter and larger.

Mine Duty uses reinforcing ring on all sizes.

Wing Pulley Example: 18" diameter

Component	Standard Duty	Mine Duty
Contact Bars	3/8" x 1 1/2"	1/2" x 2"
Fin	1/4"	5/16"
Deflectors	10 Ga	10 Ga*
Reinforcing Ring	16" dia	All

* 3/16" PL Deflectors for 20" dia and over

