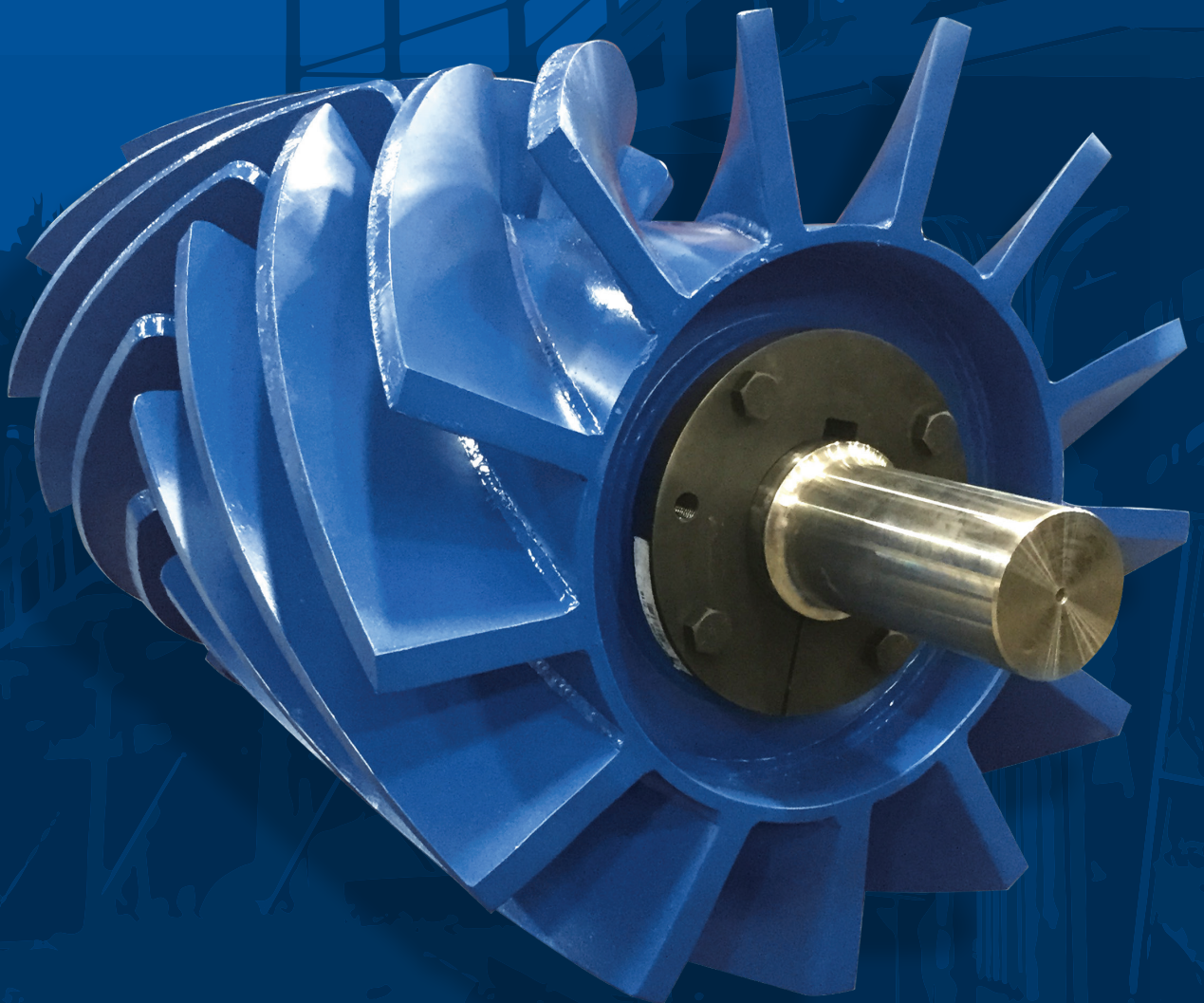


Martin

ASGCO
Complete Conveyor Solutions

CFW

**CLEAN
FLIGHT™
WING
PULLEY**

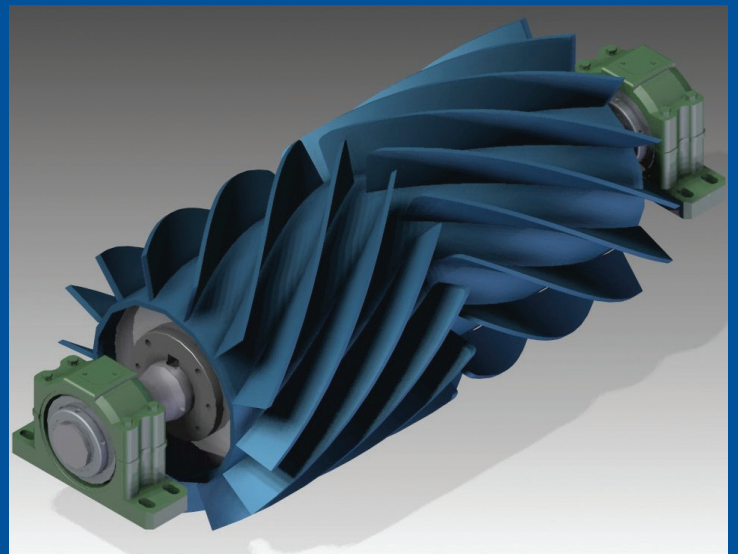


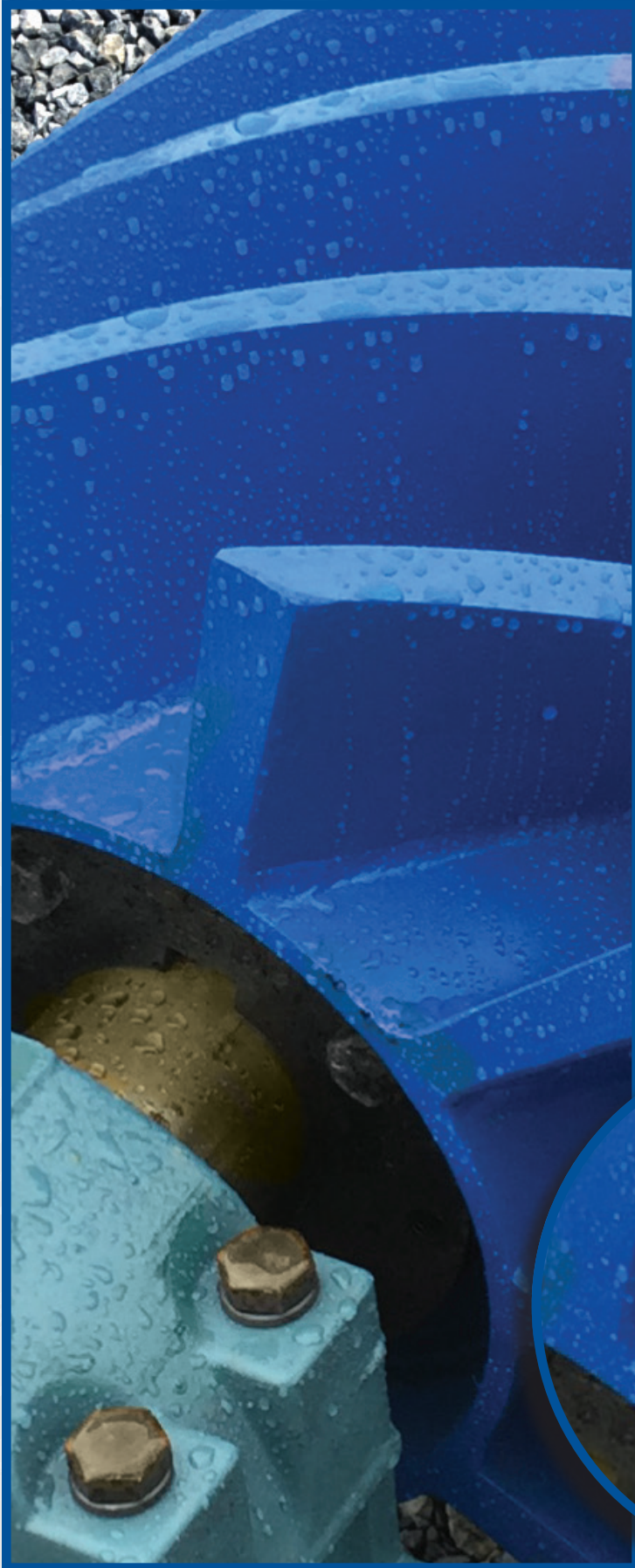


Martin's Clean Flight™ Wing Pulley (CFW).

- *Martin* services a wide range of industries conveying light to extreme bulk materials
- The *Martin* pulley product line features drum pulleys, wing pulleys, shafting and take-up frames
- Available to ship in assemblies
- Extensive inventory of pulleys in over 30 North American locations

Martin is a predominant manufacturer of Industrial Grade Conveyor Pulleys





Martin Clean Flight™ Wing Pulley distinct construction advantages:

- Each flight lies perpendicular to the pulley core, resulting in a much stronger design
- The **CFW** is constructed with distinctly aggressive materials with thick flights
- Continuous welds available upon request
- An open herringbone flight placement allows for better material rejection



Continuous Weld



NOISE REDUCTION

Users report a reduction in operating decibels from 14-22%, depending on belt speed and belt width

LESS VIBRATION IN OPERATION

Since the belt is in constant contact with the Clean Flight™ Wing outside diameter (OD), the “belt-slapping” observed in traditional wing pulley operation is eliminated, as is the operational ambient noise. Decreased vibration also means less stress on the belt, splice, and bearings.

ENHANCED BELT TRACKING

Each **CFW** flight contacts the belt at a helix angle that contributes to the tracking of the belt. The **CFW** flight operates much like a traditional “spiral” wing pulley in assisting belt tracking. The *Martin* **CFW** is also offered in a crown-face profile.

OPTIMIZED BELT CLEANING

As well as reducing vibration noise and improving belt tracking, the **CFW** also cleans the belt more effectively while in operation by shedding materials away from the belt surface. Additionally, the **CFW** operates with less vibration at the skirt board zones, reducing fines at the loading zone.

IMPROVED MATERIAL REJECTION

Traditional wing pulley flights contact the conveyed material at a right angle, whereas the **CFW** actually “plows” material out of harm's way, toward the end of the pulley, where it safely falls away from the pulley and belt contact surface.



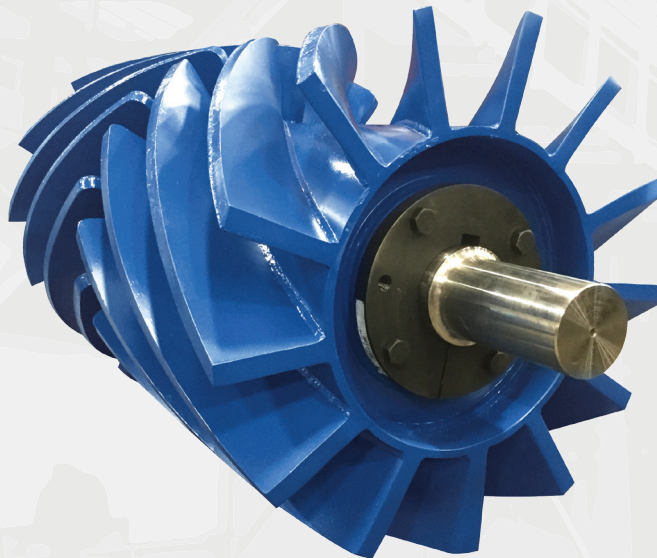
All Clean Flight™ Wing Pulleys (CFW)
use the longest pitch possible for each diameter and face width



Standard Duty
1/2" Flight, 1/4" Rim, 3/8" End-Discs



Mine Duty
3/4" Flight, 3/8" Rim, 1" End-Discs



Quarry Duty
1" Flight, 1/2" Rim, 1-1/4" End-Discs

Nomenclature

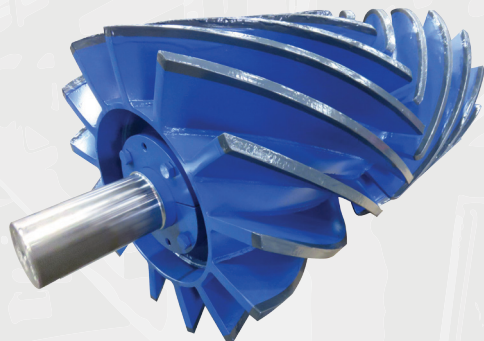
T-Bottom, Turbo Disc and Engineered Mine Duty

Examples	Flat & Crown	Standard (S) Mine (M) Quarry (Q) Engineered (E)	Clean Flight™ Wing (CF)		Diameter (3 digits)			Face Width (2 digits)		Bushing		
	C	S	C	F	1	6	0	3	2	X	3	0
	F	M	C	F	2	4	0	4	4	X	4	5
	C	Q	C	F	3	0	0	6	3	X	6	0

16.0" x 32"
24.0" x 44"
30.0" x 63"

XT30 = X30
XT45 = X45
XT60 = X60

Special Features



Assembly Options

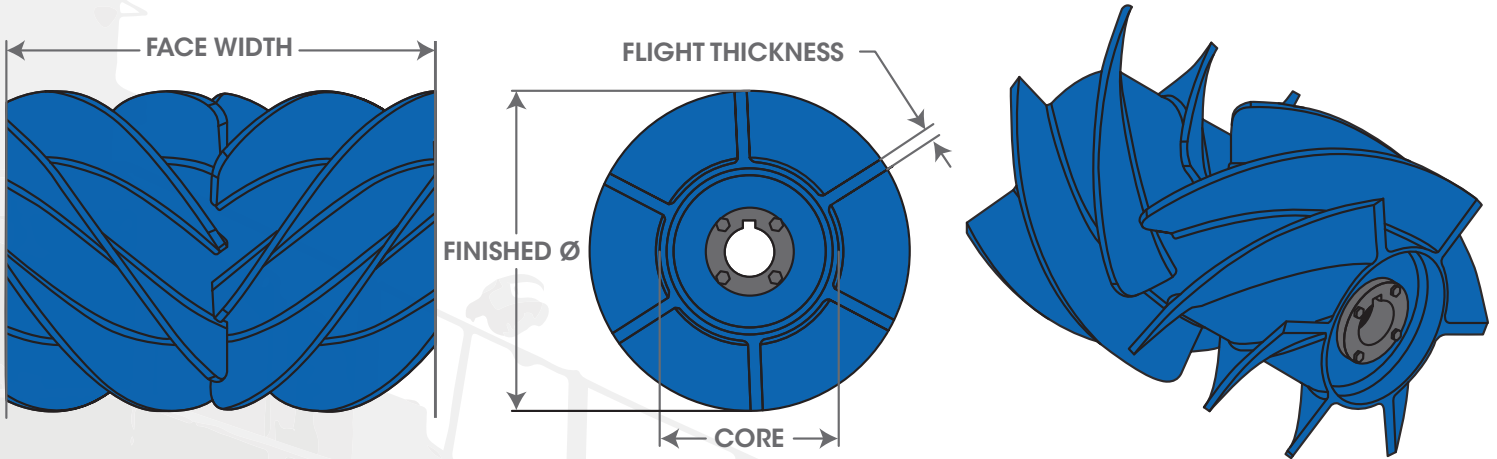
- Bearing Assemblies
- Take Up Frame Assemblies
- Keyless Lockers for Shaft Connection

Bushing Options

- M-XT
- M-HE
- QD
- Taper Bushed
- Keyless Locking Device

Pulley Options

- Hard Facing
- Custom Epoxy Paint
- Special Flight Spacing
- Special Pitch
- Continuous Welding of Flights



Basic Pulley Data

Finished Diameter: _____ Face Width: _____ Bushing Bore: _____

Conveyed Material Lump Size: _____ Location on Conveyor: _____

Application: _____

Notes: _____

Additional Data & Options:

Duty: _____ Flight Thickness: _____ Core Diameter: _____

Pulley Material: _____

Shaft Diameter: _____ x OAL: _____

Notes: _____

Horsepower: _____ Belt Speed: _____ Belt Wrap: _____

Conveyor Take-Up Style (Mechanical or Gravity/Automatic): _____

Bearing Diameter: _____ Bearing Centers: _____

Belt Width: _____ Belt PIW: _____

