e-SLIDE

High Performance UHMWPE for Chain Wearstrips and Corner Tracks

e-SLIDE is the new ultimate Ultra High Molecular Weight Polyethylene (UHMWPE), developed and produced in-house by REGINA. Thanks to special lube additives compounded with the material, e-SLIDE provides superior sliding performance and excellent wear resistance of chains and belts in most critical conveying applications characterized by high-speeds, dry-running conditions, high abrasion.

MAXIMUM SLIDING PERFORMANCE AND LIFETIME

e-SLIDE ensures an extremely low Coefficient of Friction, stable over time, and a minimal wear rate in critical and high-performance applications, providing the following benefits:

- Elimination or minimization of lubrication
- Considerable increase of chains/belts, curves and wearstrips service life
- Significant energy consumption reduction in dry running conditions
- Maximized PV (Pressure-Velocity) limit in corner applications

e-SLIDE results in the lowest friction and wear rate when used in combination with e-F.A.S.T.™ and DT2™ chain and belt materials.

e-SLIDE PROPERTIES

- Polyethylene UHMWPE with molecular density of 9.000.000 g/mol
- Working temperatures: -40°C to +80°C (-40°F to +176°F)

KEY APPLICATIONS

- PET, Cans and Glass Bottling Lines
- Glass Manufacturing Lines

e-F.A.S.T.™ chains in combination with e-SLIDE curves

DT2™ chains in combination with e-SLIDE wearstrips

REGINA CHAIN

PERFORMANCE IN MOTION

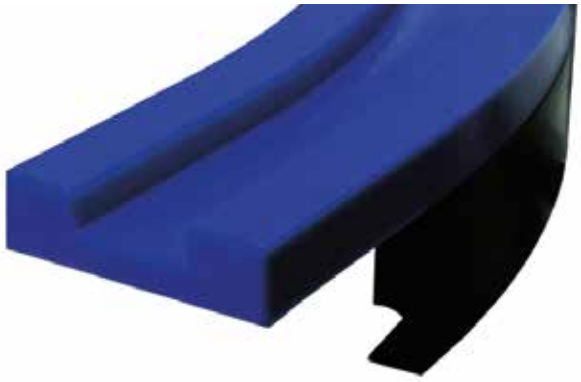
FEATURES AND BENEFITS

WEARSTRIPS

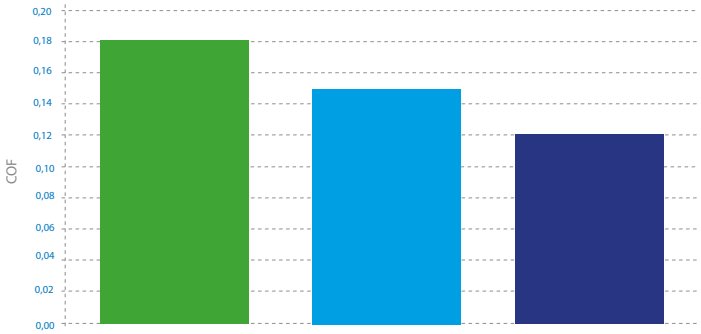
- RAM extruded profiles
- Top-tier dimensional accuracy
- Minimized COF, with all chains and materials
- Negligible dusting
- Maximized wear life
- Lowest energy consumption

CORNER TRACKS

- Minimized COF, with all chains and materials
- Lowest energy consumption
- Negligible dusting
- Maximized wear life for curves and chains
- Superior PV limits
- Reduced noise and squeaking

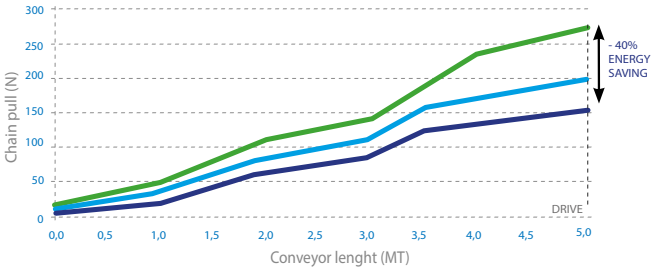


COF between chain and wearstrips



- UP chain + UHMWPE wearstrips
- UP chain + e-SLIDE wearstrips
- e-F.A.S.T.™ chain + e-SLIDE wearstrips

Chain pull trend in a sideflexing conveyor system

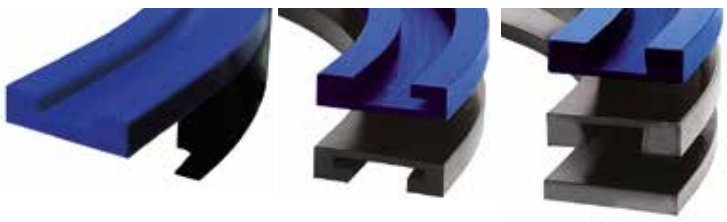


- UP chain + UHMWPE wearstrips
- UP chain + e-SLIDE wearstrips
- e-F.A.S.T.™ chain + e-SLIDE wearstrips

PRODUCTS AVAILABLE

CORNER TRACKS

- Magnetic curves
- TAB curves
- Bevel curves



WEARSTRIPS

- Side wearstrips
- Central wearstrips