APPLICATION WORKSHEET - BULK MATERIALS HANDLING

Motorized Pulleys - Complete this form and submit to Rulmeca for a power calculation and Motorized, Pulley recommendation.

Contact Person ............................................................................................................................ Date..................................................................... Ref # .....................................

Company ........................................................................................................................................

Address ...........................................................................................................................................

Phone ..............................................................................................................................................

Fax ...................................................................................................................................................

E-mail ................................................................................................................................................

What is the application? (Describe type of application, material and ambient condition)........................................................................................................................................................................

☐ Abrasive  ☐ Corrosive  ☐ Very dirty  ☐ Wet  ☐ Wash Down  ☐ Humid  ☐ Dry  ☐ Dusty  ☐ Other  ........................................................................................................................................................................

Depth of Material in Skirt Zone (mm)____________

Length of Skirt Zone (m)_______________________

Throughput (tph)____________________________

Conveyor Length (m)_________________________

Options:


☐ Matching terminal box  ☐ Dualdrive

☐ With cable  ☐ Elbow connector 90°  ☐ Non-regreasable

☐ Food application  ☐ Re-greasable labyrinth seals  ☐ Total in stainless steel  ☐ labyrinth seals

☐ Reversible belt  ☐ Electromagnetic brake  ☐ Mounting bracket Qty: __________________

☐ Mechanical backstop  ☐ Parallel shell (cylindrical)  ☐ Anti-clockwise direction

☐ Idler Pulley Qty: __________________

☐ Clockwise direction  ☐ Mounting bracket Qty: __________________

 NOTES: special options

Please attach a photo, drawing or sketch of the application

Operating Conditions:

Duty Cycle (start/stop per hour)

Hours of Operation (hrs/day)

Days of Operation (days/week)

Is this a reversing belt?

Additional Comments:

Special Loading Conditions:

Hopper Feeder Parameters:

Hopper Opening Width (mm)_____________________

Hopper Opening Length (mm)____________________

Sliding Bed Parameters:

Sliding Bed Length (m)_____________________

Material Bulk Density (kg/m³)

☐ ashes, coal, wet  900

☐ bagasse  160

☐ bark, wood  320

☐ bauxite, ground, dry  1090

☐ bauxite, crushed  1370

☐ beans, navy, dry  770

☐ beans, whole  770

☐ borax, 3° & under  1120

☐ cement, portland  1590

☐ clay, ceramic, dry, fine  1320

☐ clay, dry, fine  1320

☐ coal, bituminous  880

☐ coal,ignite  720

☐ coke  720

☐ corn, ear  800

☐ cullet  1320

☐ gravel, bark run  1600

☐ iron ore  3200

☐ iron ore pellets  2080

☐ limestone, crushed  1340

☐ paper pulp stock  960

☐ phosphate rock  1360

☐ potash salts  1280

☐ rock, crushed  2320

☐ rock, soft  1760

☐ rye  740

☐ salt, common dry, fine  1280

☐ sand, bark, dry  2520

☐ sand, bark, dry  1760

☐ sand, foundry  1600

☐ sawdust  210

☐ sewage sludge, moist  880

☐ soybeans, whole  800

☐ sugar, raw, cane  1040

☐ taconite pellets  2080

☐ tamplock, 23” lumps  1760

☐ wheat, cracked  720

☐ wood chips  480

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Material (frictional coefficient)

☐ ashes, coal, dry  0.071

☐ bauxite, ground  0.1881

☐ cement, Portland, dry  0.2120

☐ cement clinker  0.1228

☐ clay, ceramic, dry lines  0.0924

☐ coal, bituminous mined  0.0754

☐ coke, ground fine  0.0452

☐ cullet (broken glass)  0.0836

☐ grains, wheat, corn, rye  0.0433

☐ gravel, bark run  0.1142

☐ iron ore, 200 lbs/cu ft  0.2760

☐ limestone, pulverized dry  0.1280

☐ phosphate rock, dry  0.1086

☐ salt, common, dry fine  0.0614

☐ sand, dry, bark  0.1378

☐ wood chips  0.0095

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