PINTSCH BUBENZER

INQUIRY OF FORM

Project Name

Company

Name

Telephone

Telefax

E-Mail

Drive

- ☐ Hoist
- ☐ Boom Hoist
- ☐ Trolley
- ☐ Gantry
- ☐ Conveyor
- ☐ Cableway
- ☐ Other:

Location of Drive

- ☐ Indoor
- ☐ Indoor, heavy dirt
- ☐ Outdoor
- ☐ Outdoor, aggress. atmosphere

Motor

Manufacturer

Type

HP

RPM

Volt

Hz.

Quantity

Load

Load Torque (Nm)

Total Load (kg)

Load Speed (m/s)

Moment of Inertia Motor + Gearbox (kgm^2)

Brake Disc / Drum Speed (RPM)

Desired Brake, if known

- ☐ Disc Brake
- ☐ Drum Brake
- ☐ Other:

Type:

Quantity:

Arrangement of Brake

- ☐ Between Motor and Gearbox
- ☐ On the 2nd Gearbox Shaft
- ☐ Rope Drum (Emergency Brake)
- ☐ Other:

Others

Ambient Temperature °F

Duty Cycle (1/h)

Options and Accessories

- ☐ Limit Switch Release Control
- ☐ Limit Switch Wear Control
- ☐ Manual Release with or w/o Stop
- ☐ Limit Switch Manual Release
- ☐ Automatic Wear Compensator
- ☐ Space Heater
- ☐ VSR System
- ☐ CMB System
- ☐ Coupling with Disc / Drum
- ☐ Hub with Disc / Drum

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PINTSCH BUBENZER

BASIC DRIVE QUESTIONNAIRE				
DRIVE	**Ref.**			
Make				
Type / Application				
Number of Brakes required				
Inertial of driven rotating parts (referred to motor)	kgm^2			
Drive Motor Type (cage, slip ring, dc shunt or series)				
Number of motors				
Make and Frame Size				
Rotor inertia	kgm^2			
Voltage 3 ph, 1 ph Frequency	V Hz			
Power	kW/HP			
Speed	RPM			
Rated Starts per Hour (or actual no. of stops/hour from full speed)				
Percentage Duty Factor (CDF) Is Brake connected directly to motor or via separate Brake Relay?	%			
Are brake time relays required? 1) Delay in release while motor starts 2) Application delay as conveyor slows				
Coupling type Coupling inertia driven half (input) driving half (output)	 kgm^2 kgm^2			
Stopping time and/or revolutions required	SEC			

CRANE BRAKE QUESTIONNAIRE			
CRANE		Main Hoist	Aux. Hoist
Make			
Type (overhead, CMAA class etc.)			
Safe Working Load	Ton		
Tare Load (grab, magnet etc.)	Ton		
Control (cab, pendant, radio etc.)			
Type of work, load			
Environment (high temp. chemicals			
high humidity, metallic or other dust)			
How hard is the crane worked?			
Hoist Speed	m/min ft/min		
Cross Traverse Speed	m/min ft/min		
Long Traverse Speed	m/min ft/min		

HOIST		Main Hoist	Aux. Hoist
Hoist Motor Type (cage, slip ring, dc shunt or series)			
Number of motors per hoist			
Make and Frame Size			
AC Supply 3 ph, 1 ph Frequency **DC Supply** Voltage Full load current Series or Shunt wound	 V Hz V A		
Power			
Speed			
Rated starts per hour (or actual no. of stops/hour from full speed)			
Percentage Duty Factor (CDF)			

CRANE BRAKE QUESTIONNAIRE			
HOIST BRAKE(S)		Main Hoist	Aux. Hoist
Hoist Service Brake(s) Make Type (magnetic, thruster) Number Drum Diameter Drum Width	 mm or in. mm or in.		
AC Supply Voltage 3 ph, 1 ph Frequency **DC Supply** Voltage Full load current Series or Shunt wound	 V Hz V A		
CONTROL Is brake connected directly to motor or via separate Brake Relay?			
Hoist Standby Brake(s) Make Type (magnetic, thruster) Number Drum Diameter Drum Width	 mm or in. mm or in.		
AC Supply Voltage 3 ph, 1 ph Frequency **DC Supply** Voltage Full load current Series or Shunt wound	 V Hz V A		

CRANE BRAKE QUESTIONNAIRE			
CROSS TRAVERSE			
CT Motor			
Number of motors on CT			
Make and Frame Size			
AC Supply 3 ph, 1 ph Frequency **DC Supply** Voltage Full load current Series or Shunt wound	 V Hz V A		
Power	kW/HP		
Speed	RPM		
Rated Starts per Hour and/or Duty			

CROSS TRAVERSE BRAKE(S)			
Make Type Number Drum Diameter Drum Width	kW/HP mm or in. mm or in.		
AC Supply Details Voltage 3 ph, 1 ph Frequency **DC Supply Details** Voltage Full load current Series or Shunt wound	 V Hz V A		

CRANE BRAKE QUESTIONNAIRE			
LONG TRAVEL			
LT Motor			
Number of motors on LT			
Make and Frame Size			
AC Supply 3 ph, 1 ph Frequency **DC Supply** Voltage Full load current Series or Shunt wound Power	 V Hz V A kW/HP		
Speed	RPM		
Rated Starts per Hour and/or Duty			

LONG TRAVEL BRAKE(S)			
Make Type Number Drum Diameter Drum Width	kW/HP mm or in. mm or in.		
AC Supply Details Voltage 3 ph, 1 ph Frequency **DC Supply Details** Voltage Full load current Series or Shunt wound	 V Hz V A		

CRANE BRAKE QUESTIONNAIRE			
CONVEYOR			
Make			
Type (Uphill, level, downhill etc.)			
Capacity	Ton		
Belt Speed	m/min		
Conveyor Length	m		
Conveyor rise/fall height	m		
Mass of material per metre of length	kg		
Mass of belt per metre length	kg		
Diameter of driving drum	mm		
Speed of driving pulley	RPM		
Inertia of rotating parts (drums, idlers etc.)	kgm2		
Drive Motor Type (cage, slip ring, dc shunt or series)			
Number of motors per conveyor			
Make and Frame Size			
Rotor Inertia	kgm2		
Voltage 3 ph, 1 ph Frequency	V Hz		
Power	kW/HP		
Speed	RPM		
Rated Starts per hour (or actual no. of stops/hour from full speed)			
Is Brake connected directly to motor or via separate Brake Relay?			
Percentage Duty Factor (CDF)	%		
Are brake time delays required? 1) Delay in release while motor starts 2) Application delay as conveyor slows			
Coupling type			
Coupling inertias driven half (input) driving half (output)	kgm2 kgm2		
Stopping time and/or distance required	sec		