

Conveyor Pulleys

Enquiry Form - Page 1 of 4

Brightwater Engineering
Ph: 64 (3) 543 5300
Fax: 64 (3) 543 5301
inquiries@brightwater.co.nz
www.brightwater.co.nz

A Your Details & Project Requirements

Company Name: _____

Contact Person : _____
(First Name) (Last Name)

Address: _____
(Street) (Postal Code)

Phone: _____

_____ (City/Region)

Fax: _____

Project: _____

Email: _____

1. Do Pulleys from the Brightwater 'Unpowered Pulleys - Stock Range' meet your requirements? (Circle) Y / N

If yes, quote on numbers and quantities.

→ For stock pulley ID numbers and specifications refer to page two of the 'Conveyor Pulleys - Custom Design and Rapid Service' Specifications Document.

Stock Pulley ID # : _____ Qty : _____

Stock Pulley ID # : _____ Qty : _____

Stock Pulley ID # : _____ Qty : _____

Stock Pulley ID # : _____ Qty : _____

2. Do you have engineering drawings for pulleys you want manufactured? (Circle) Y / N

If yes, please submit with quantities.

Drawing # : _____ Rev : _____ Qty : _____

Drawing # : _____ Rev : _____ Qty : _____

Drawing # : _____ Rev : _____ Qty : _____

Drawing # : _____ Rev : _____ Qty : _____

3. Do you require a full conveyor calculation service? (ie, if belt tensions are unknown) (Tick)

Yes - Full Conveyor Calculation Service. → Fill out sections B, C and D.

No - Pulley Calculation Service. → Fill out sections B and C.

Notes:

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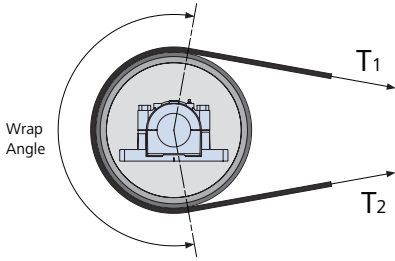
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B Pulley Work Sheet

This section MUST be completed.

Pulley Information	#1	#2	#3	#4 *
Type (Drive, Head, Bend, Snub, Tail, etc):				
Quantity:				
Diameter x Face width (mm x mm):				
Lagging type / thickness (mm):				
Flat or Crowned:				
End Disc type (Solid, tapered, or custom):				
Hub/locking element type & size (mm):				
Hub/locking element Crs (mm):				
Shaft Ø thru Pulley (mm):				
Shaft Ø at Bearings (mm):				
Bearing Centres (mm):				
Bearing type (SNL, SSN/SD, THM, other):				
Shaft Ø at drive connection (mm):				
Shaft length (mm):				
Shaft Material (1040, 1045, 4140, other):				
 <p>Wrap Angle</p> <p>T_1</p> <p>T_2</p>	Wrap Angle (°)			
	Ø:			
	Belt Tensions (kN)			
	$T_{1, START} =$	$T_{1, START} =$	$T_{1, START} =$	$T_{1, START} =$
	$T_{2, START} =$	$T_{2, START} =$	$T_{2, START} =$	$T_{2, START} =$
$T_{1, RUN} =$	$T_{1, RUN} =$	$T_{1, RUN} =$	$T_{1, RUN} =$	
$T_{2, RUN} =$	$T_{2, RUN} =$	$T_{2, RUN} =$	$T_{2, RUN} =$	
Comments and Special Instructions				

* If more than 4 pulleys are required please submit multiple copies of Section B.

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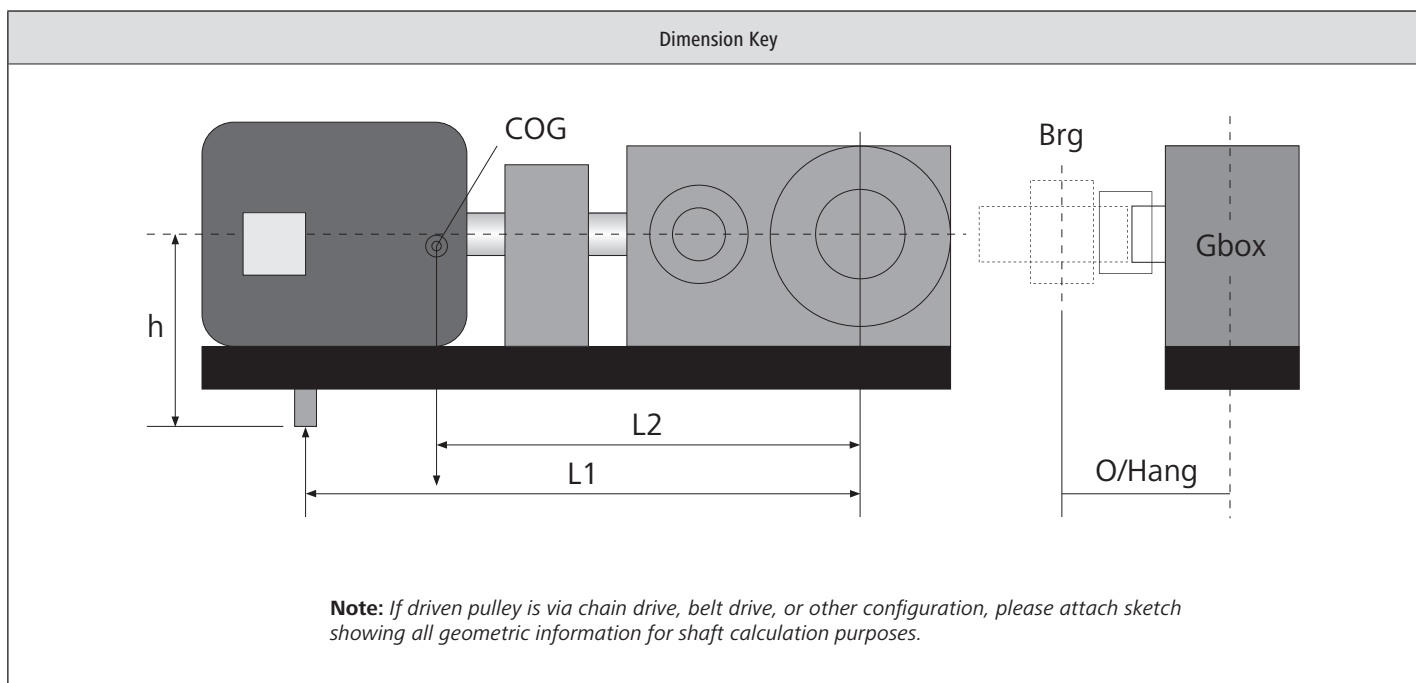
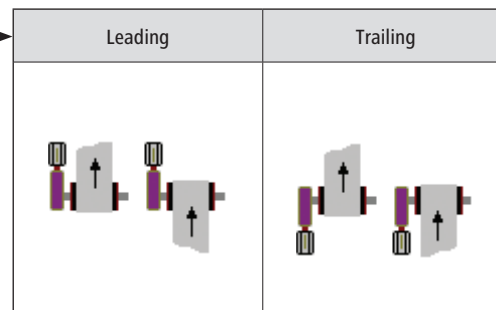
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Driven Pulley Details

This section MUST be completed if driven pulleys are required.

Driver Details	Value
Motor KW x Speed:	
Motor & Gear Reducer mass (kg):	
Reduction Ratio:	____ : 1
Leading or Trailing?:	
L1 - Horizontal torque arm offset (mm):	
L2 - COG offset (mm) :	
h - Vertical torque arm offset (mm):	
O/Hang (mm):	
Coupling (Y/N): If yes, provide geometry.	
Reducer Shaft Ø (mm):	
Reducer Make, Model, Fitting Type:	



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D Conveyor Work Sheet

If you DO NOT require a full conveyor calculation service do not complete Section D.

Conveyor Identification Description:			
Capacity (TPH):		Material	- Type:
C/C distance (m):			- Max lump (mm):
Lift (m) or Angle (°):			- Density (kg/m ³):
Belt width (mm):			- Repose angle (°):
Belt speed (m/s):			- Surcharge angle (°):
Carcass designation:			
Belt type:			Covers (top x btm):
No. of belt scrapers:			Length of skirting (m):
Take-up type:			Motor power (kW):
No. of drives:			Motor type (VSD, etc):
Conveyor Profile Sketch:			

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