

NEPEAN® Conveyors Idler Selection Data Sheet

Client: _____

Project: _____

Quote No: _____

Date: _____

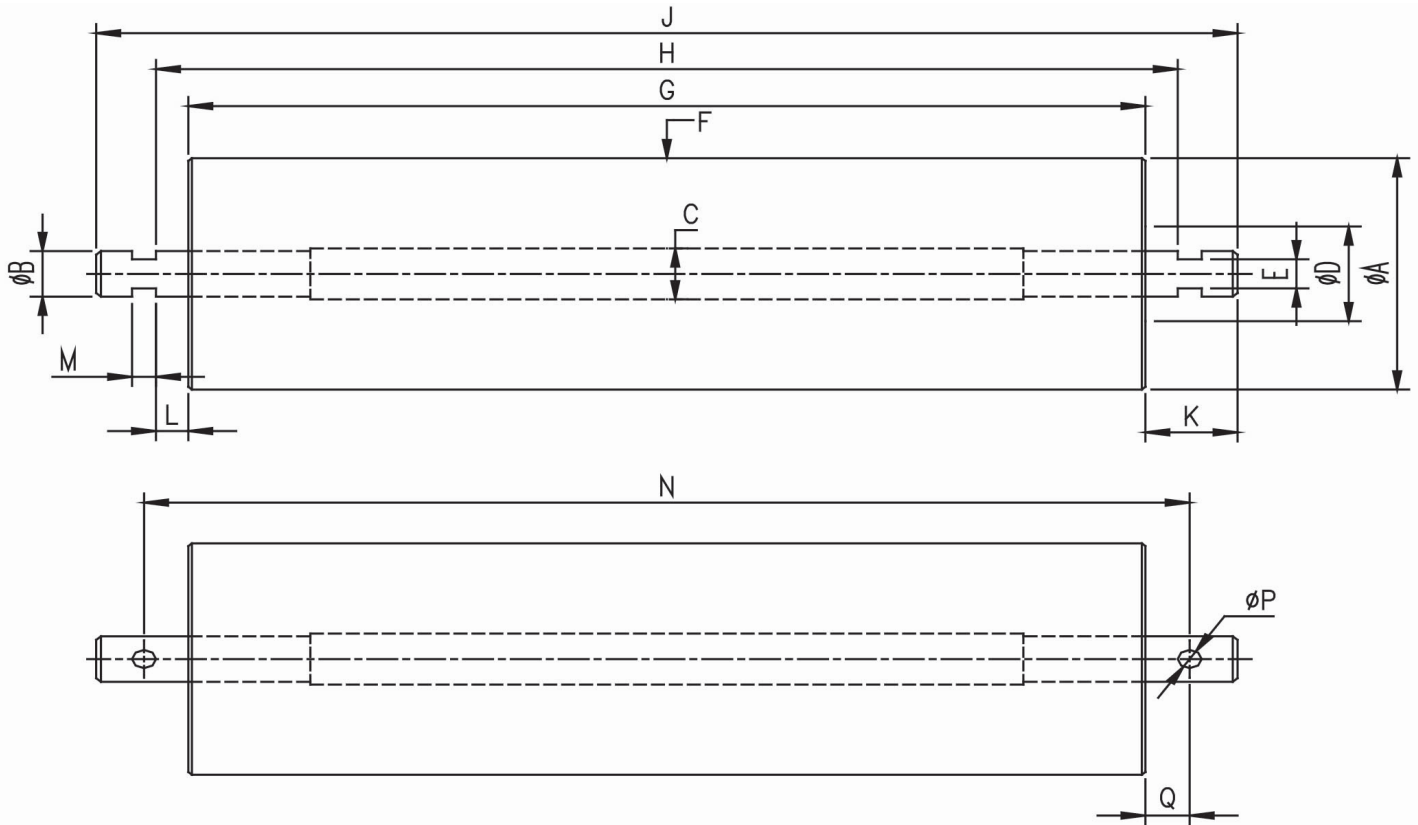
Prepared By: _____

Data Variables	Units	Conv. No.	Conv. No.	Conv. No.
Belt width	mm			
Belt speed	m/s			
Belt type				
Belt mass	kg/m			
Material type				
Bulk density	kg/m ³			
Lump size	mm			
Design capacity	tph			
L ₁₀ life	hours			
Free fall height	m			
Surcharge angle	(°) deg			
Trough angle	(°) deg			
Idler spacing				
Trough	mm			
Return	mm			
Impact	mm			
Running belt tension				
T1 (Carry)	kN			
T2 (Return)	kN			
Belt deviation				
Carry side	mm			
Return side	mm			
Convex curve radius	m			
Nominal roller size	mm			
Trough OD	mm			
Impact OD	mm			
Transition (5°/20°) OD	mm			
Transition (15°/30°) OD	mm			
Flat carry OD	mm			
Flat return OD	mm			
Vee return (rolls only) OD	mm			
Return trainer OD	mm			

Loadings Required:	YES	NO
1) Convex curve considered		
2) Flooded belt considered		
3) Deviation load considered		
4) Assumptions if needed		

CHECKED BY: _____

MINIMUM INFORMATION REQUIRED
FOR NEPEAN® CONVEYORS DESIGN
REFER TO WWW.NEPEANCONVEYORS.COM
FOR YOUR SUBMISSION SHEET



Customer Information

Client:

Address:

Dim. A - Roller Diameter (mm):	
Dim. B - Shaft Diameter (mm):	
Dim. C - Shaft Dia. Between Bearings (mm):	
Dim. D - Bearing OD (mm):	
Dim. E - Thickness Across Flats (mm):	
Dim. F - Wall Thickness (mm):	
Dim. G - Roller Face Width (mm):	
Dim. H - Slot - Back to Back (mm):	
Dim. J - Overall Shaft Length (mm):	
Dim. K - Shaft Protrusion (mm):	
Dim. L - Slot Protrusion (mm):	
Dim. M - Slot Width (mm):	
Dim. N - Hole Centres (mm):	
Dim. P - Hole Diameter (mm):	
Dim. Q - Hole Protrusion (mm):	

Mass of Rotary Parts (kg):

Total Mass (kg):

Bearing Designation:

Bearing Dynamic Rating (kg):