

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			

NEPEAN
Conveyors

TM

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