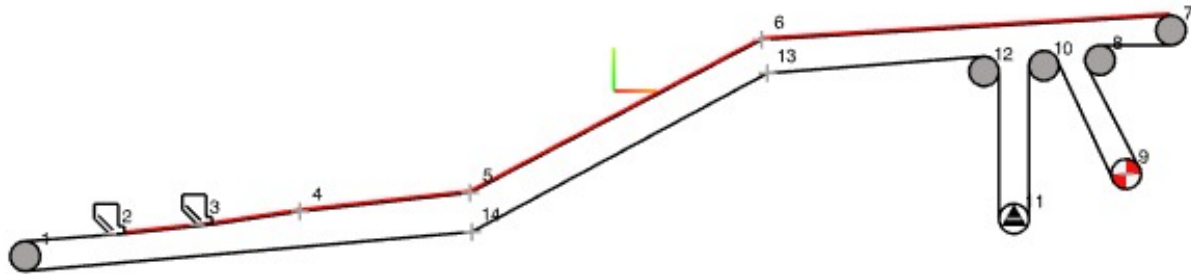


Project	Demo 02 Conveyor High Lift	Client	ABC Iron
Project No.	P9823	Prepared By	Peter Burrow
Conveyor No.	C223_Copy	Design Date	01 Oct 2019



C223_Copy



Drive Number	1	Drive	Pulley Number	9
Drive Description		Head	Motor Power Rating	630 kW
Load Share on Drive Pulley		100 %	Motor Full Load Speed	985 rpm
Starting Torque Factor Fully Loaded		122 %	Motor Torque at Full Load Speed	6108 Nm
Starting Torque Factor Empty		122 %	Motor Torque at Pulley Speed	75019 Nm
Number of Motors on Drive Pulley		2	Pulley Shaft Diameter at Brg	240 mm
Drive Efficiency		95 %		
High Speed Coupling			Low Speed Coupling	
HS Coupling Category		Falk SteelFlex Grid	LS Coupling Category	Falk G82
HS Coupling Make		Falk	LS Coupling Make	Falk
HS Coupling Model		1120T35	LS Coupling Model	1080 / 505 MCFAS
Coupling Type		Grid	Coupling Type	Rigid Flanged
Coupling Torque Rating		13700 Nm	Coupling Torque Rating	445000 Nm
Service Factor Required		1.5	Service Factor Required	1.5
Service Factor Calculated		2.24	Service Factor Calculated	5.93
Maximum Shaft Bore		140 mm	Maximum Shaft Bore	336.55 mm
Minimum Shaft Bore		0 mm	Minimum Shaft Bore	101.6 mm
Maximum Rotation Speed		2025 rpm	Maximum Rotation Speed	1750 rpm
High Speed Coupling Inertia		0.514 kg-m2	Low Speed Coupling Inertia	60 kg-m2
Drawing Number		W312-M-921/2	Drawing Number	
High Speed Coupling Mass		139.7 kg	Low Speed Coupling Mass	1130 kg
High Speed Coupling Price		0	Low Speed Coupling Price	0
Fluid Coupling				
Direct Drive		Yes		
Fluid Coupling		No Selection - Direct Drive		
Fluid Coupling Size				