KINDER
EXPERIENCE INNOVATION PRODUCTIVITY

WORKSHEET - Conveyor Belt Support

BELT DETAILS

1. BELT WIDTH (mm)	
2. BELT SPECIFICATION	
3. BELT SPEED (m/s)	
4. CAPACTIY (TPH)	
5. CONVEYOR BELT CONDITION	
6. SPLICE TYPE (Vulc or Mech)	
7. BELT TAPE LENGTH	

MATERIAL DETAILS

1. MATERIAL CONVEYED	
2. MATERIAL BULK DENSITY (kg/m^3)	
3. MAXIMUM LUMP SIZE (mm)	
4. % FINES	
5. DRY/WET	

WORK CONDITIONS

1. SYSTEM START/STOP UNDER LOAD?	
2. DOES BELT REVERSE?	
3. OPERATING TEMP (°C)	

LOAD POINT

1. DROP HEIGHT (mm)	
2. LENGTH OF BED REQUIRED (mm)	
3. LOAD POINT FEATURES/DESCRIPTION	
4. CHECK INSIDE STRINGER OBSTRUCTION	

TROUGH DIMENSIONS

A - ROLLER FACE	
B - MHC	
C- TROUGH HEIGHT	
D - TROUGH WIDTH	
E - ROLLER Ø	
F - CENTRE ROLLER HEIGHT	
G - TROUGH ANGLE	
H - INSIDE STRINGER	
K - INSIDE CHUTE/HARDSKIRT	
L - STRINGER O/A	

CURRENT ISSUES

1. IDLER IMPACT DAMAGE ☐
2. SPILLAGE / BELT SAG ☐
3. BELT DAMAGE ☐
4. ALL OF THE ABOVE ☐

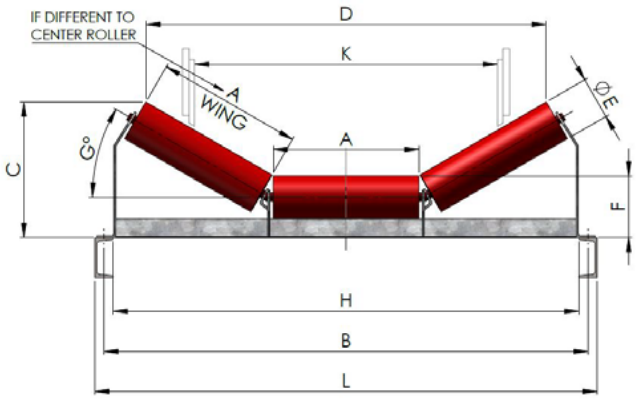
NOTE: Additional tension force due to friction should be considered. Add T_A (N) to your system calculations to ensure sufficient drive power exists.

$$T_A = 2.94 \times Bed\ Length \left(\frac{belt\ mass}{metre} + \frac{burden\ mass}{metre} \right)$$

$$\frac{Length\ (metre)\ /\ mass\ (kg)}{}$$

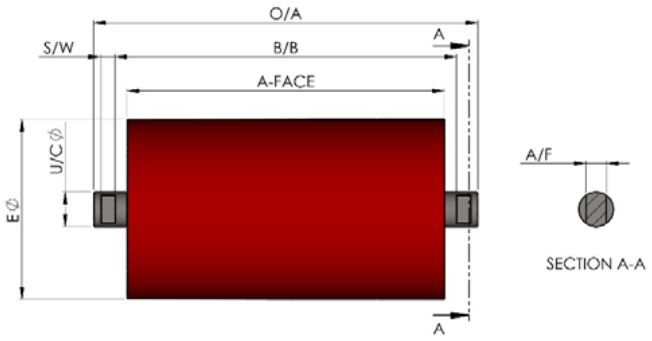
TROUGH OFFSET

TROUGH INLINE



FOR K-SURE® SUPPORT SYSTEMS ONLY

(NOMINAL 50mm minus)



A-FACE	E-ROLL Ø	B/B	O/A	U/C Ø	A/F	S/W
QTY FRAMES ACROSS 2 METRES IN TRANSFER ZONE						

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Issue: 202110