



# BELT WEIGHING UNIT DATA SHEET

CUSTOMER ..... Date:.....

APPLICATION .....

MATERIAL .....

**Minimum required data:**

**SYSTEM CAPACITY:**

(Material conveying rate / mass flow-rate)

Max .....t/h

**ACCURACY REQUIRED:**

Needed: .....%

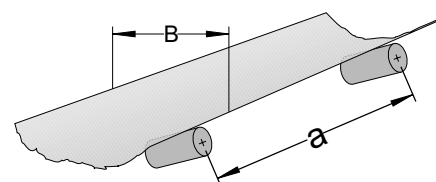
Within range: ..... - .....t/h

**CONVEYOR DATA:**

Belt Speed  $v =$  ..... m/s

Belt Width  $B =$  ..... mm

Idler distance  $a =$  ..... mm



Conveyor Inclination  $L =$  .....<sup>0</sup>

Total Length  $P =$  .....m

**Belt tensioner:**

Screw Spring Counterweight.....kg

**Additional data:**

**MATERIAL:**

Particle size:

Min.: .....mm

Max.: .....mm

Temperature: .....<sup>0</sup>C

(At entry point of the conveyor)

**ENVIRONMENT:**

Ambient temperature: ..... - .....<sup>0</sup>C

Stainless steel quality required:

(AISI 304/SIS 2333) No Yes

**OIML:**

Approval required No Yes

Scale to be certified No Yes

**SPEED MEASURING** (tachometer)

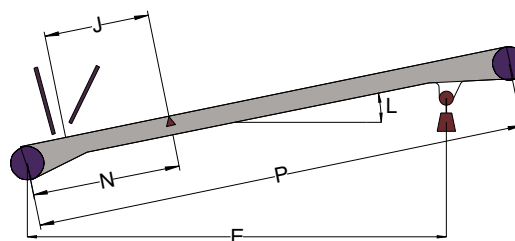
To be mounted on tail/drive drum

To be mounted with drive unit  
(measuring wheel on belt return part)

Loading to weigh unit  $J =$  .....m

Tail pulley to weigh.unit  $N =$  .....m

Tail pulley to cnt.weight  $E =$  .....m



**FLOW CONTROL** (controller requirements)

Flow Indication & Totalising (basic functions)

Options

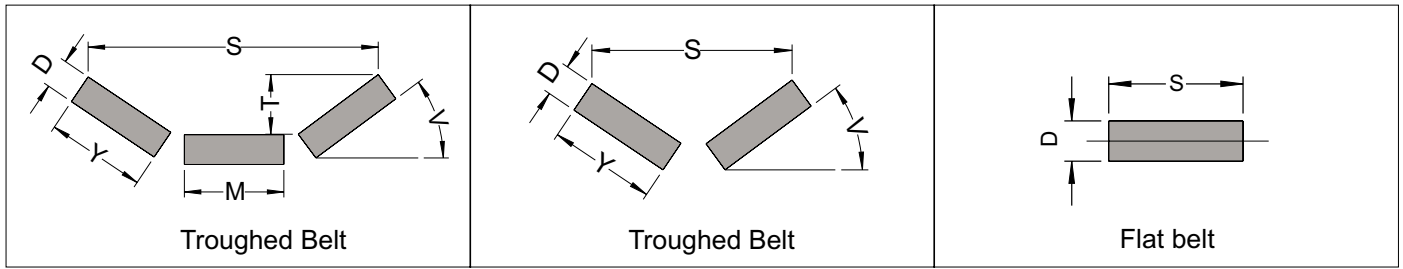
Regulation: (Built-in PID-regulator) No Yes

0/4-20mA output: No Yes

Electrical instruments designed for EEx

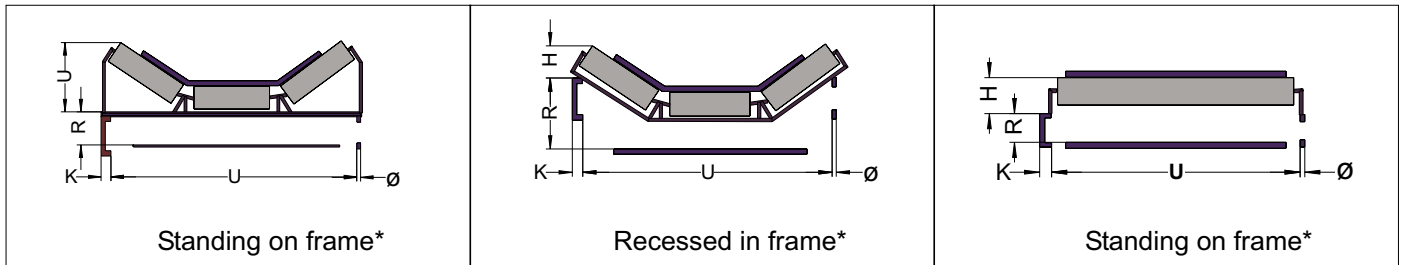
Environment zone (1 and 2):  No  Yes

### IDLER DATA:



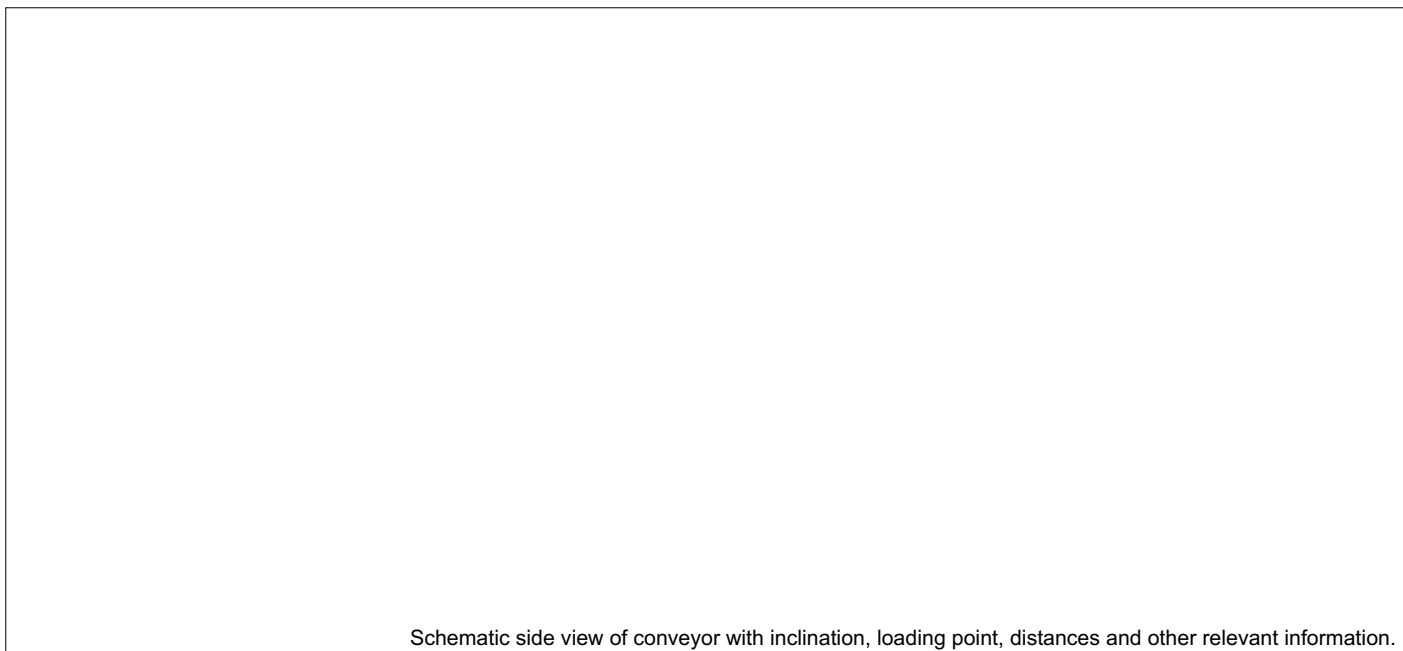
Idler roller diameter: D = .....mm      Roller width: S = .....mm  
 Center roller: M = .....mm      Trough angle: V = .....°  
 Side roller: Y = .....mm      Troughing: T = .....mm

### IDLER TYPE:



\*)Frame type:    Beam            Tube            Profile  
 Height:            H = .....mm      Inner frame width: U = .....mm  
 Belt return plane: R = .....mm      Beam flange: K = .....mm  
 Tube diameter:    = .....mm

### CONVEYOR LAYOUT:



Schematic side view of conveyor with inclination, loading point, distances and other relevant information.

.....

.....

.....

