



Technical data sheet

BELT TYPE U35

Code number 5U30

MOST POPULAR APPLICATIONS:

- Horizontal or slight slope conveying of single loads, boxes, different products for heavy loads on long interaxial length;
- Marble chamfering machines, particle board molding machines, conveying of mechanical parts and sheets.

GENERAL CHARACTERISTICS:

Excellent resistance to abrasion. 20 mg weight loss tested according to ASTM D.I. 1044 norm (TABER abrasionmeter, H22 grinder, weight 1000 g, 1000 cycles). Good resistance to mineral oils, acid solutions, aggressive chemical compounds and detergents.

Belt structure

Number of plies	: 3
Weft	: Rigid
Top cover	: PVC U
- Color	: Green
- Thickness	: 1.5 mm
- Hardness	: 74 Shore A
- Surface	: Smooth
Bottom cover	: Raw fabric
Total thickness	: 4.5 mm
Weight	: 5.4 kg/sq.m
Antistatic	: No
Max production width	: 3,000 mm

Minimum pulley diameters

Normal flexing	: 150 mm
Counter flexing	: 180 mm

Conveyor frame characteristics

Slider beds	: Yes
Metal troughs	: No
Support with horizontal rollers	: Yes
Support with trough idlers (2 or 3 rollers)	: No
Special and mixed trough idlers	: No
Sliding on the return side	: No

Belt strength

Breaking load	: 330 daN/cm
Max. suggested working load	: 30 daN/cm
Working load at 1% elongation	: 18 daN/cm

Joining methods

Hot execution	: FOF
Fasteners	: VAT B5

Operating condition

Contact temperature range	: - 10...+80°C
<p>The product temperature can vary by up to 25% more or less than the contact temperature range depending on: contact time, product weight, dispersion and ambient temperature.</p>	

Friction coefficient (bottom cover)

Stainless steel, BA	: 0.20
Stainless steel, 2B	: 0.18
Stainless steel, 2D	: 0.20
Rolled steel plate	: 0.20
Plastic sheet (brilliant surface)	: 0.20

BA = Brilliant surface
 2B = Half-brilliant surface
 2D = Hot-laminated surface

SPECIAL EXECUTIONS: With welded tracking guides on bottom cover, as well as transversal cleats on top cover.
 Other surface structures: V - Z - N - A

The data in this data sheet were measured at a temperature of 20°C and a relative humidity of 65 to 70%. Above data are subject to change without prior notice by **Sampla Belting S.p.A.**