



Technical data sheet

BELT TYPE U91/V

Code number 5T57

MOST POPULAR APPLICATIONS:

- Marble industry: polishing machines and edge polishing machines for marble, granite and ceramics;
- Belt recommended for high stress caused by a heavy working load or by heads pressure.

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). Rigid structure resistant to lateral stress. Good grip to the conveyed products thanks to the small semispheres structure on top cover even in presence of a lot of water.

Belt structure

Number of plies	: 3
Weft	: Flexible
Top cover	: PVC U
- Color	: Green
- Thickness	: 1.9 mm
- Hardness	: 74 Shore A
- Surface	: V structure
Bottom cover	: Skimmed
Total thickness	: 7.0 mm
Weight	: 7.6 kg/sq.m
Antistatic	: No
Max production width	: 2,000 mm

Minimum pulley diameters

Normal flexing	: 350 mm
Counter flexing	: 400 mm

Conveyor frame characteristics

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

Belt strength

Breaking load	: 950 daN/cm
Max. suggested working load	: 90 daN/cm
Working load at 1% elongation	: 50 daN/cm

Joining methods

Hot execution	: FS
Fasteners	: --

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	: 0.35
Stainless steel, 2B	: 0.35
Stainless steel, 2D	: 0.45
Rolled steel plate	: 0.35
Plastic sheet (brilliant surface)	: 0.40

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

SPECIAL EXECUTIONS: With welded profiles on both sides.

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.**