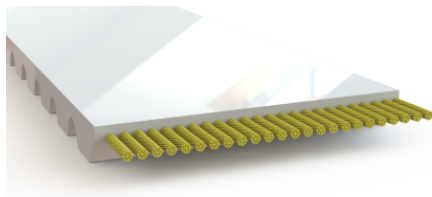




## GATES POLYURETHANE TIMING BELTS

### ATL10-ARAMID – FOR SPECIAL REQUIREMENTS

Gates ATL10-ARAMID Timing Belt is our expert for applications in contact with food, chemicals and metal detectors. Next to the FDA and EU Approval the belt owns reinforced steel cords which allows much higher mechanical load than our standard version of AT10.



NEW!

#### PRODUCT DATA

Pitch	10 mm
Minimum Welded Belt Length	No Welding
Standard Roll Length (Tolerance ± 1%)	100 m
Standard Color	White
Cord	Reinforced Aramid Cord
Minimum Number of Pulley Teeth $z_{min}$	25
Minimum Pulley Diameter	79,60 mm
Minimum Back Bend Diameter	150 mm
FDA / EU Approval	Yes
Polyurethane	R1 / 92 Shore A (STANDARD) R2 / 85 Shore A (OPTION)
Polyamide Fabric	NB / Polyamide on Back Side (OPTION) NT / Polyamide on Tooth Side (OPTION) NTB / Polyamide on Tooth and Back Side (OPTION)

#### TECHNICAL DATA

Standard Width [mm]	16	25	32	50	75	100	150
Ultimate Tensile Strength $F_{Break}$ [N] Average Value	13.390	21.798	28.337	45.153	68.508	91.863	138.573
Allowable Belt Tension $F_{Tall}$ [N] Open Ended	1.075	1.750	2.275	3.625	5.500	7.375	11.125
Allowable Effective Tension $F_{Eall}$ [N] Minimum 15 Teeth are in mesh	1.651	2.580	3.302	5.160	7.740	10.320	15.480
Specific Belt Weight $m_{sp}$ [kg/m/mm]	0,0041						
Specific Belt Stiffness $c_{sp}$ [N]	268.750	437.500	568.750	906.250	1.375.000	1.843.750	2.781.250

September 2012 • Technical specifications are subject to change without prior notice. • No liability is taken for printing errors.

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