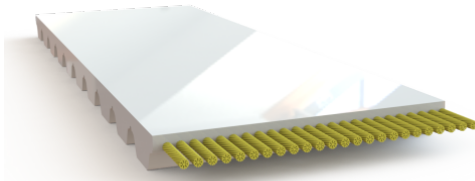




## GATES POLYURETHANE TIMING BELTS

### HTDL8-ARAMID – FOR SPECIAL REQUIREMENTS

Gates HTDL8-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 HTD8.



NEW!

#### PRODUCT DATA

Pitch	8 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 $z_{min}$	32
Minimum Pulley Diameter	81,48 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]	20	25	30	50	85	100	150
Ultimate Tensile Strength							
$F_{Break}$ [N] Average Value	17.127	21.798	26.496	45.153	77.850	91.863	138.573
Allowable Belt Tension							
$F_{Tall}$ [N] Open Ended	1.375	1.750	2.125	3.625	6.250	7.375	11.125
Allowable Effective Tension							
$F_{Eall}$ [N]							
Minimum 15 Teeth are in mesh	1.496	1.870	2.244	3.740	6.358	7.480	11.220
Specific Belt Weight							
$m_{sp}$ [kg/m/mm]	0,0045						
Specific Belt Stiffness							
$c_{sp}$ [N]	343.750	437.500	531.250	906.250	1.562.500	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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