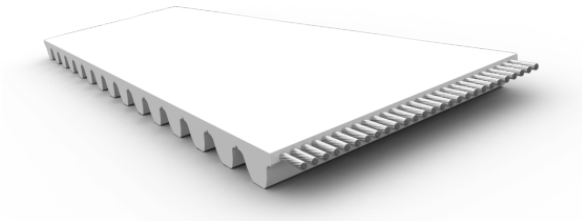




## GATES POLYURETHANE TIMING BELTS

### STD8-NIRO – FOR MOISTURE AND LIQUIDS

Gates STD 8-Niro Timing Belts own stainless steel cords, which gives them the necessary requirements for applications in contact with moisture and liquids.



NEW!

#### PRODUCT DATA

Pitch	8 mm
Minimum Welded Belt Length	960 mm
Standard Roll Length (Tolerance ± 1%)	100 m
Standard Color	White
Cord	Stainless Steel Cord
Minimum Number of Pulley Teeth $z_{min}$	25
Minimum Pulley Diameter	81,48 mm
Minimum Back Bend Diameter	150 mm
FDA / EU Approval	No
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]	10	15	20	25	30	50	85	100	150
Ultimate Tensile Strength $F_{Break}$ [N] Average Value	3.563	5.700	7.838	10.688	12.825	22.088	37.763	44.888	67.688
Allowable Belt Tension $F_{Tall}$ [N] Open Ended	935	1.496	2.058	2.806	3.367	5.799	9.914	11.784	17.770
Allowable Belt Tension $F_{Tall}$ [N] Endless Welded	468	748	1.029	1.403	1.683	2.899	4.957	5.892	8.885
Allowable Effective Tension $F_{Eall}$ [N]									
Minimum 15 Teeth are in mesh	728	1.092	1.456	1.820	2.184	3.640	6.188	7.280	10.920
Specific Belt Weight $m_{sp}$ [kg/m/mm]	0,0057								
Specific Belt Stiffness $c_{sp}$ [N]	233.813	374.100	514.388	701.438	841.725	1.449.638	2.478.413	2.946.038	4.442.438

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

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