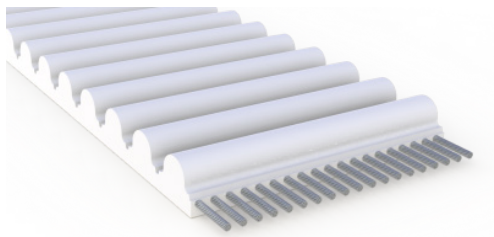




GATES POLYURETHANE TIMING BELTS

HTD5-CLASSIC – THE WELL-KNOWN

Gates HTD5-CLASSIC Timing Belts own next to a high performance tooth profile our standard steel cords, and are suitable for a wide range of applications.



HTD5-
CLASSIC

PRODUCT DATA

Pitch	5 mm
Minimum Welded Belt Length	
Up to 100 mm	480 mm
> 100 mm	960 mm
Standard Roll Length (Tolerance ± 1%)	100 m
Standard Color	White
Cord	Steel Cord
Minimum Number of Pulley Teeth z_{min}	14
Minimum Pulley Diameter	22,28 mm
Minimum Back Bend Diameter	60 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	50	100	150
Ultimate Tensile Strength							
F_{Break} [N] Average Value	3.720	5.580	8.060	10.540	21.700	44.020	66.340
Allowable Belt Tension							
F_{Tall} [N] Open Ended	826	1.239	1.789	2.340	4.818	9.773	14.728
Allowable Belt Tension							
F_{Tall} [N] Endless Welded	413	619	895	1.170	2.409	4.886	7.364
Allowable Effective Tension							
F_{Eall} [N]							
Minimum 15 Teeth are in mesh	408	612	816	1.020	2.040	4.080	6.120
Specific Belt Weight							
m_{sp} [kg/m/mm]				0,0049			
Specific Belt Stiffness							
c_{sp} [N]	206.471	309.706	447.353	585.000	1.204.412	2.443.235	3.682.059

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

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