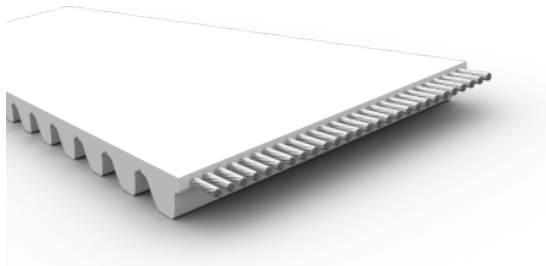




GATES POLYURETHANE TIMING BELTS

STD8-HF – THE FLEXIBLE ONE OF HIS TYPE

Gates STD8-HF Timing Belts own highly flexible steel cords, which give them a greater willingness to bend than standard STD8. They allow therefore the use of smaller pulleys and are the choice in case of shortage of place.



NEW!

PRODUCT DATA

Pitch	8 mm
Minimum Welded Belt Length	960 mm
Standard Roll Length (Tolerance $\pm 1\%$)	100 m
Standard Color	White
Cord	High Flexible Steel Cord
Minimum Number of Pulley Teeth z_{min}	16
Minimum Pulley Diameter	40,8 mm
Minimum Back Bend Diameter	100 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	4.325	6.920	9.515	12.975	15.570	26.815	45.845	54.495	82.175
Allowable Belt Tension F_{Tall} [N] Open Ended	1.152	1.843	2.534	3.456	4.147	7.142	12.211	14.515	21.888
Allowable Belt Tension F_{Tall} [N] Endless Welded	576	922	1.267	1.728	2.074	3.571	6.106	7.258	10.944
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]	0,0056								
Specific Belt Stiffness c_{sp} [N]	288.000	460.800	633.600	864.000	1.036.800	1.785.600	3.052.800	3.628.800	5.472.000

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

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