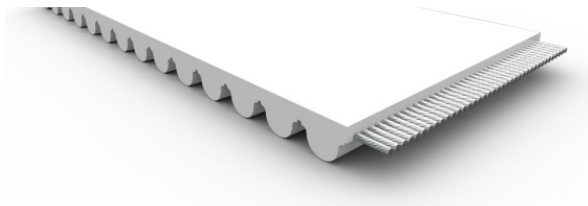




## GATES POLYURETHANE TIMING BELTS

### HTDL8-HF – THE STRONG AND FLEXIBLE ONE OF HIS TYPE

Gates HTDL8-HF Timing Belts own reinforced highly flexible steel cords, which give them greater willingness to bend than our standard HTD8 and next to it higher mechanical properties than HTD8-HF. They are the perfectly choice in case of higher mechanical Requests and the use of smaller pulleys.



NEW!

#### PRODUCT DATA

Pitch	8 mm
Minimum Welded Belt Length	No Welding
Standard Roll Length (Tolerance ± 1%)	100 m
Standard Color	White
Cord	Reinforced High Flexible Steel Cord
Minimum Number of Pulley Teeth $z_{min}$	25
Minimum Pulley Diameter	63,66 mm
Minimum Back Bend Diameter	130 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]	20	25	30	50	85	100	150
Ultimate Tensile Strength $F_{Break}$ [N] Average Value	21.175	26.950N	32.725	55.825	96.250	113.575	171.325
Allowable Belt Tension $F_{Tall}$ [N] Open Ended	3.991	5.079	6.167	10.521	18.139	21.404	32.288
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]	0,0072						
Specific Belt Stiffness $c_{sp}$ [N]	997.661	1.269.750	1.541.839	2.630.196	4.534.821	5.351.089	8.071.982

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

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