



## HPL14-RSL– HIGH PERFORMANCE PU TIMING BELT

Gates HPLS14-RSL Timing Belts are our new generation of high performance Polyurethane Timing Belts. They have a high tensile strength and increased load carrying capacity.



NEW!

### PRODUCT DATA

Pitch	14 mm
Standard Thickness	10 mm
Minimum Welded Belt Length	No Welding
Standard Roll Length (Tolerance $\pm 1\%$ )	100 m
Standard Color	Black
Cord	Reinforced Steel Cord
Minimum Number of Pulley Teeth $z_{min}$	34
Minimum Pulley Diameter	151 mm
Minimum Back Bend Diameter	250 mm
FDA / EU Approval	No
Polyurethane	R1 / 92 Shore A (Standard) R2 / 85 Shore A (Option)
Polyamide Fabric	NT / Nylon® on Tooth Side (STANDARD) NTB / Nylon® on Tooth and Back Side (OPTION)

### TECHNICAL DATA

Standard Width [mm]	55	85	115	170	200
Ultimate Tensile Strength $F_{Break}$ [N] Average Value	97500	157500	217500	315000	375000
Allowable Belt Tension $F_{1all}$ [N] Open Ended	23189	37459	51729	74918	89188
Allowable Effective Tension $F_{eall}$ [N] Minimum 15 Teeth in mesh	8305	12835	17365	25670	30200
Specific Belt Weight $m_{sp}$ [kg/m]	0,014	0,14	0,013	0,012	0,012
Specific Belt Stiffness $C_{sp}$ [N]	5797187	9364687	12932187	12932187	22296875

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