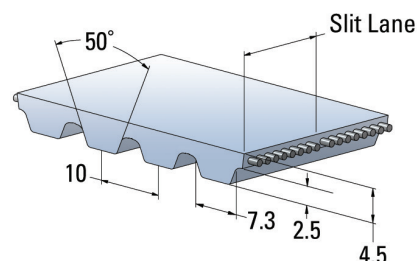




# WRAT10 SYNCHRO-POWER® ROLL STOCK

**WRAT10 Synchro-Power® belts provide fully encapsulated cord, prevents corrosion and hidden contaminants and is easy to clean.**

Endless-welded to any length, this belt is ideal for conveying applications in industrial and food processing markets.



## SPECIFICATIONS

### Product Data

|                                             |                                                             |
|---------------------------------------------|-------------------------------------------------------------|
| Pitch                                       | 10 mm                                                       |
| Standard Thickness                          | 4.5 mm                                                      |
| Minimum Welded Belt Length                  | 500 mm                                                      |
| Standard Roll Length (Tolerance $\pm 1\%$ ) | 100 m                                                       |
| Color                                       | White/Blue                                                  |
| Minimum Number of Pulley Teeth zmin         | 15 (Steel/Aramid)                                           |
| Minimum Back Bend Diameter                  | 120 mm (Steel/Aramid)                                       |
| FDA/ EU Approval                            | Yes (Aramid)                                                |
| Polyurethane                                | R1/92 Shore A/-5°C to +70°C<br>R2/85 Shore A/-20°C to +60°C |
| Polyamide Fabric                            | No                                                          |

### Technical Data

| Standard Width [mm]                                      | 25     | 32      | 50      | 75      | 100     | 150     |
|----------------------------------------------------------|--------|---------|---------|---------|---------|---------|
| Ultimate Tensile Strength [N] Average Value              |        |         |         |         |         |         |
| Steel                                                    | 14250  | 18050   | 29450   | 44650   | 59850   | 90250   |
| Aramid                                                   | 16185  | 21019   | 33449   | 50713   | 67977   | 102505  |
| Allowable Belt Tension [N] Open Ended                    |        |         |         |         |         |         |
| Steel                                                    | 3741   | 4739    | 7731    | 11722   | 15712   | 23693   |
| Aramid                                                   | 1750   | 2273    | 3617    | 5483    | 7350    | 11083   |
| Allowable Belt Tension [N] Endless Welded                |        |         |         |         |         |         |
| Steel                                                    | 1871   | 2369    | 3866    | 5861    | 7856    | 11847   |
| Aramid                                                   | 1313   | 1705    | 2713    | 4113    | 5513    | 8313    |
| Allowable Effective Tension [N] Minimum 15 Teeth in mesh |        |         |         |         |         |         |
|                                                          | 2580   | 3302    | 5160    | 7740    | 10320   | 15480   |
| Specific Belt Stiffness [N]                              |        |         |         |         |         |         |
| Steel                                                    | 935250 | 1184650 | 1932850 | 2930450 | 3928050 | 5923500 |
| Aramid                                                   | 437500 | 568167  | 904167  | 1370833 | 1837500 | 2770833 |

**UNITED STATES**  
9 Northwestern Drive  
Salem, NH 03079  
P +1 (800) 394-4844  
E contact@gatesmectrol.com

**EUROPE**  
Werner von Siemens Strasse 2  
64319 Pfungstadt, Germany  
P: +49 (0) 6157-9727-0  
E: info@gatesmectrol.de

**GATES.COM**  
**GATESMECTROL.COM**