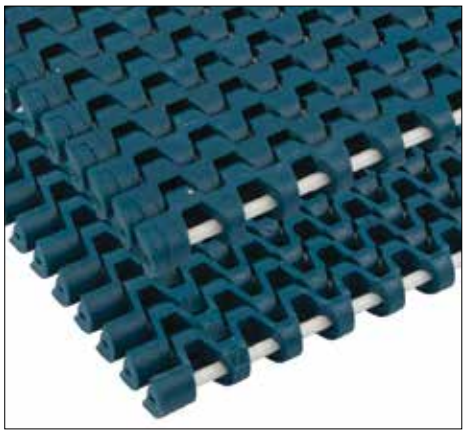
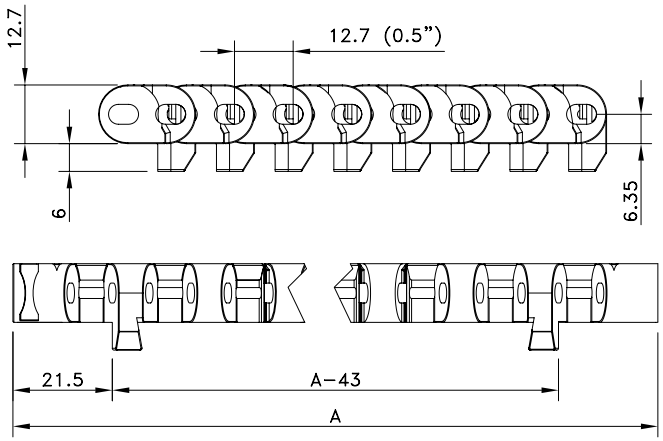
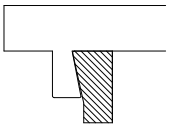
# Radius 505

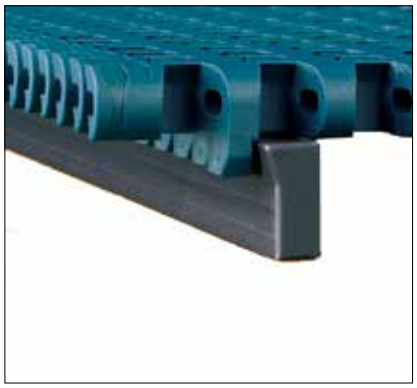




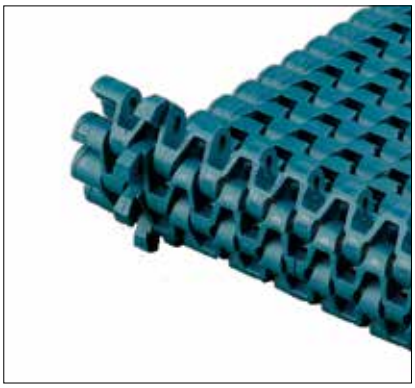

P. 200
P. 200

| Assembly | Belt Type | Code Number* | Width A | Sideflex radius inside (min.) | Working Load (max.) | | Temperature range °C | | Weight | Backflex Radius (min.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Straight | in curve | | | | |
| | | | mm | mm | N/m | N | Dry | Wet | kg/m² | mm |
| **XLG-Acetal With Reinforced Plastic Pins** | | | | | | | | | | |
| Positrack Two Sides  | RBP 505 XLG 255 | 867.30.12 | 255 | 510 | 15000 | 1300 | -40 TO +80 | -40 TO +65 | 10.0 | 15 |
| | RBP 505 XLG 340 | 867.30.13 | 340 | 680 | | | | | | |
| | RBP 505 XLG 425 | 867.30.14 | 425 | 850 | | | | | | |
| | RBP 505 XLG 510 | 867.30.15 | 510 | 1020 | | | | | | |
| | RBP 505 XLG 595 | 867.30.16 | 595 | 1190 | | | | | | |
| | RBP 505 XLG 680 | 867.30.17 | 680 | 1360 | | | | | | |

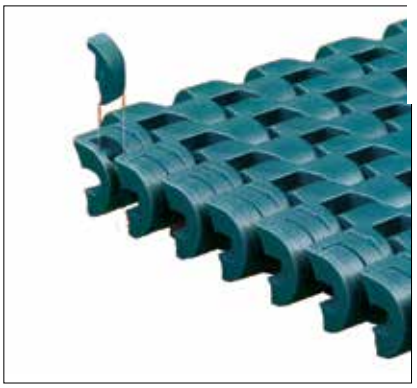
* In code numbers xx corresponds with the belt width (A), starting with 12 for 255 mm, 13 for 340 mm and so on with 85 mm increments up to 680 mm; wider belts available upon request. See also page 208.



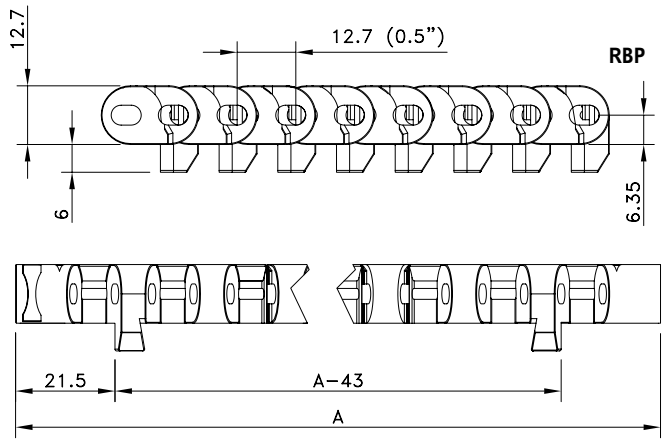
Curve guiding profile for 505



Standard positrack lugs on both sides

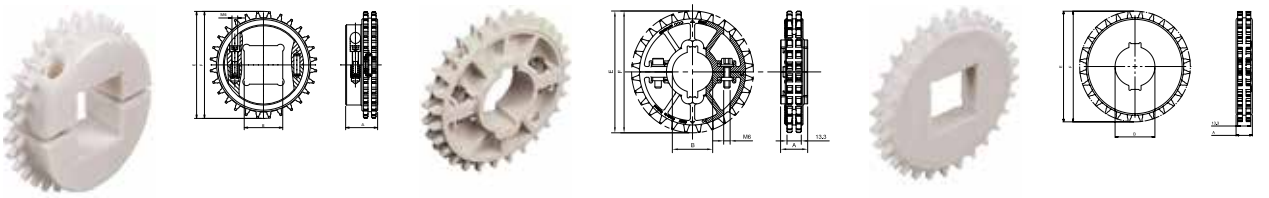


Pin retention clips for easy (dis)assembly



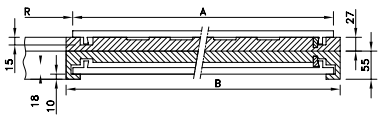

The curve guiding profile for the 505 has a standard length of 1.8 meters; it is made of MCC 3600 polyester for direct food contact, code nr. 800.00.13, ULF-profile: 10383606

## Split Sprockets Machined  Split Sprockets Injection Moulded  Classic Sprockets



| Sprocket Type | Code Number | Number of Teeth | Bore B | Pitch Diameter E | Outside Diameter F | Hub Width A |
|---|---|---|---|---|---|---|
| | | | mm/inch | mm | mm | mm |
| **Split Sprockets Machined** | | | | | | |
| **Round Bores** | | | | | | |
| KUS505-28T_25MM_2KW_PA | 10331058 | 28 | 25 mm | 113.4 | 113.4 | 33.5 |
| KUS505-28T_30MM_2KW_PA | 10331458 | 28 | 30 mm | | | |
| KUS505-28T_35MM_2KW_PA | 10331811 | 28 | 35 mm | | | |
| KUS505-28T_1IN_2KW_PA | 10326599 | 28 | 1.0” | | | |
| **Square Bores** | | | | | | |
| KUS505-28T_25MM_S_PA | 10331057 | 28 | 25 mm | 113.4 | 113.4 | 33.5 |
| KUS505-28T_30MM_S_PA | 10331457 | 28 | 30 mm | | | |
| KUS505-28T_1IN_S_PA | 10326598 | 28 | 1.0” | | | |
| **Split Sprockets Injection Moulded** | | | | | | |
| **Round Bores** | | | | | | |
| NS505-28T_40MM_2KW_PA | 10332337 | 28 | 40 mm | 113.4 | 113.4 | 25.5 |
| **Square Bores** | | | | | | |
| NS505-28T_40MM_S_PA | 10148171 | 28 | 40 mm | 113.4 | 113.4 | 25.5 |
| **Classic Sprockets** | | | | | | |
| **Round Bores** | | | | | | |
| KU505-28T_25MM_2KW_PA | 10330882 | 28 | 25 mm | 113.4 | 113.4 | 16.5 |
| KU505-28T_30MM_2KW_PA | 10331285 | 28 | 30 mm | | | |
| KU505-28T_35MM_2KW_PA | 10331678 | 28 | 35 mm | | | |
| KU505-28T_40MM_2KW_PA | 10332008 | 28 | 40 mm | | | |
| KU505-28T_1IN_2KW_PA | 10325158 | 28 | 1.0” | | | |
| KU505-28T_1-1/2IN_2KW_PA | 10325583 | 28 | 1.5” | | | |
| **Square Bores** | | | | | | |
| KU505-28T_25MM_S_PA | 10330883 | 28 | 25 mm | 113.4 | 113.4 | 16.5 |
| KU505-28T_30MM_S_PA | 10331286 | 28 | 30 mm | | | |
| KU505-28T_40MM_S_PA | 10148125 | 28 | 40 mm | | | |
| KU505-28T_1IN_S_PA | 10325159 | 28 | 1.0” | | | |
| KU505-28T_1-1/2IN_S_PA | 10325584 | 28 | 1.5” | | | |

## Positrack Curves




| Code Number | Radius R | Belt Width A | Height | Curve Width B | Angle |
|---|---|---|---|---|---|
| | mm | mm | mm | mm | |
| **Positrack Curves** | | | | | |
| **For 505** | | | | | |
| 804.02.02 | 510 | 255 | 27 + 55 | 281 | 90° |
| 804.02.03 | 680 | 340 | 27 + 55 | 366 | |
| 804.02.04 | 850 | 425 | 27 + 55 | 451 | |
| 804.02.05 | 1020 | 510 | 27 + 55 | 536 | |
| 804.02.06 | 1190 | 595 | 27 + 55 | 621 | |
| 804.02.07 | 1360 | 680 | 27 + 55 | 706 | |

Other angles and non-standard positrack curves on request; these curves include a curve guiding profile.
Including 100 mm long straight sections at upper part.