



RESATEC-Spannrolle Typ RE:

Zu Beginn als rotierende Rolle zum Spannen von Flachriemen und später zum Spannen von Poly- und V-Riemen sowie Kraftbänder entwickelt, wird die Spannrolle Typ RE vielfach als universelle Maschinenkomponente eingesetzt.

Möchten Sie Anpassungen im Material, andere Durchmesser oder ein Profil? Bitte klären Sie die Möglichkeiten mit uns ab.

RESATEC-RESATEC-Roller Type RE:

At the beginning as a rotating roller for tensioning of flat belts and later developed for tensioning of poly-and V-belts and power belts, the roller type RE is widely used as a universal machine component.

Would you like to change the material, other diameter or profiling? Please clarify the possibilities with us.

Abmasse / Dimensions / Material

| Rollensatz RE Rollerset Type RE | Art. Nr. Art. No. | øD | A | E | 6kt-Mutter hex-nut | Anziehmoment torque [Nm] | B | C | F | Kugellager ball bearing DIN 625 2Z | min -1 rpm max. | passend zu suitable for Typ / Type | Gewicht Weight | Material Deklaration / Declaration |
|------------------------------------|----------------------|----|-----|-----|-----------------------|--------------------------------|-----|-----|----|--|-----------------------|--|-------------------|--|
| RE 2 | 552 002 00 | 30 | 35 | M8 | M8 - 0.5d | 10 | 3 | 51 | 7 | 608 | 8'000 | TE 2 | 0.08 | Rolle PA6 Temperaturbereich -40°C bis 100°C Schraube DIN 933 ISO 4017 Stahl 8.8 galvanisch verzinkt I 6kt-Mutter DIN 439 B ISO 4035 Stahl 8.8 galvanisch verzinkt In Ex-Schutzräumen empfehlen wir die Komponenten zu erden Oberflächenwiderstand *10 ¹¹ Ohm, Durchgangswiderstand *10 ¹¹ Ohm Roller PA6 temperature range -40°C until 100°C screw DIN 933 ISO 4017 steel 8.8 galvanised I hex-nut DIN 439 B ISO 4035 steel 8.8 galvanised in Ex-shelters the components have to be to ground surface resistance *10 ¹¹ , the flow resistance *10 ¹¹ ohms |
| RE 3 / 4 | 552 003 00 | 40 | 45 | M10 | M10 - 0.5d | 20 | 6 | 67 | 9 | 6200 | 8'000 | TE 3 / TE 4 | 0.17 | |
| RE 5 | 552 005 00 | 60 | 60 | M12 | M12 - 0.5d | 35 | 7.5 | 89 | 13 | 6301 | 6'000 | TE 5 | 0.40 | |
| RE 6 | 552 006 00 | 80 | 90 | M20 | M20 - 0.5d | 160 | 9 | 127 | 14 | 6304 | 5'000 | TE 6 / TE 7 | 1.20 | |
| RE 7 | 552 007 00 | 80 | 135 | M20 | M20 - 0.5d | 160 | 7 | 167 | 12 | 6304 | 4'500 | TE 7 | 1.70 | |

Auswahltabelle für TE + Rolle RE / Selection schedule for TE + Rollers RE

| Keilriemenprofil V-belt Type | ø kleinere Scheibe ø smaller pulley | Spannkraft [N] tensioning force [N] | | Typ Spannelement type tensioner device | | Spannkraft [N] tensioning force [N] | | Typ Spannelement type tensioner device | | Spannkraft [N] tensioning force [N] | | Typ Spannelement type tensioner device | | Spannkraft [N] tensioning force [N] | | Typ Spannelement type tensioner device | |
|---------------------------------|--|--|-----|---|---------------|--|------|---|---------------|--|-------------|---|--|--|--|---|--|
| | | 1 Riemen / 1 belt | | 2 Riemen / 2 belt | | 3 Riemen / 3 belt | | 4 Riemen / 4 belt | | 5 Riemen / 5 belt | | | | | | | |
| XPZ, SPZ | 56 - 71 | 40 | 80 | TE 2 + RE 2 | TE 4 + RE 3/4 | 120 | 160 | TE 5 + RE 5 | 200 | TE 5 + RE 5 | | | | | | | |
| | 75 - 90 | 44 | 88 | TE 2 + RE 2 | TE 4 + RE 3/4 | 132 | 176 | TE 5 + RE 5 | 220 | TE 5 + RE 5 | | | | | | | |
| | 95 - 125 | 50 | 100 | TE 3 + RE 3/4 | TE 4 + RE 3/4 | 150 | 200 | TE 5 + RE 5 | 250 | TE 5 + RE 5 | | | | | | | |
| XPA, SPA | >125 | 56 | 112 | TE 3 + RE 3/4 | TE 4 + RE 3/4 | 168 | 224 | TE 5 + RE 5 | 280 | TE 5 + RE 5 | | | | | | | |
| | 80 - 100 | 56 | 112 | TE 3 + RE 3/4 | TE 4 + RE 3/4 | 168 | 224 | TE 5 + RE 5 | 280 | TE 6 + RE 6 | | | | | | | |
| | 106 - 140 | 76 | 152 | TE 4 + RE 3/4 | TE 4 + RE 3/4 | 228 | 304 | TE 5 + RE 5 | 380 | TE 6 + RE 6 | | | | | | | |
| | 150 - 200 | 90 | 180 | TE 4 + RE 3/4 | TE 4 + RE 3/4 | 270 | 360 | TE 5 + RE 5 | 450 | TE 6 + RE 6 | | | | | | | |
| | >200 | 100 | 200 | TE 4 + RE 3/4 | TE 4 + RE 3/4 | 300 | 400 | TE 5 + RE 5 | 500 | TE 6 + RE 6 | | | | | | | |
| XPB, SPB | 112 - 160 | 100 | 200 | TE 4 + RE 3/4 | TE 4 + RE 3/4 | 300 | 400 | TE 5 + RE 5 | 500 | TE 7 + RE 7 | | | | | | | |
| | 170 - 224 | 124 | 248 | TE 4 + RE 3/4 | TE 5 + RE 5 | 372 | 496 | TE 6 + RE 6 | 620 | TE 7 + RE 7 | | | | | | | |
| | 236 - 355 | 154 | 308 | TE 4 + RE 3/4 | TE 5 + RE 5 | 462 | 616 | TE 6 + RE 6 | 770 | TE 7 + RE 7 | | | | | | | |
| | >355 | 162 | 324 | TE 4 + RE 3/4 | TE 5 + RE 5 | 486 | 648 | TE 6 + RE 6 | 810 | TE 7 + RE 7 | | | | | | | |
| | 224 - 250 | 174 | 348 | TE 4 + RE 3/4 | TE 5 + RE 5 | 522 | 696 | TE 6 + RE 6 | 870 | TE 7 + RE 7 | | | | | | | |
| XPC, SPC | 265 - 355 | 230 | 460 | TE 5 + RE 5 | TE 6 + RE 6 | 690 | 920 | TE 7 + RE 7 | 1150 | TE 7 + RE 7 | | | | | | | |
| | >375 | 288 | 576 | TE 5 + RE 5 | TE 6 + RE 6 | 864 | 1152 | TE 7 + RE 7 | 1440 | TE 7 + RE 7 | | | | | | | |
| | Z | 56 - 100 | 15 | 30 | TE 2 + RE 2 | TE 2 + RE 2 | 45 | 60 | TE 3 + RE 3/4 | 75 | TE 5 + RE 5 | | | | | | |
| A | 80 - 140 | 30 | 60 | TE 2 + RE 2 | TE 3 + RE 3/4 | 90 | 120 | TE 5 + RE 5 | 150 | TE 6 + RE 6 | | | | | | | |
| B | 125 - 200 | 60 | 120 | TE 3 + RE 3/4 | TE 4 + RE 3/4 | 180 | 240 | TE 6 + RE 6 | 300 | TE 7 + RE 7 | | | | | | | |
| C | 200 - 400 | 120 | 240 | TE 4 + RE 3/4 | TE 5 + RE 5 | 360 | 480 | TE 7 + RE 7 | 600 | TE 7 + RE 7 | | | | | | | |
| D | 335 - 600 | 210 | 420 | TE 4 + RE 3/4 | TE 6 + RE 6 | 630 | 840 | TE 7 + RE 7 | 1050 | TE 7 | | | | | | | |

