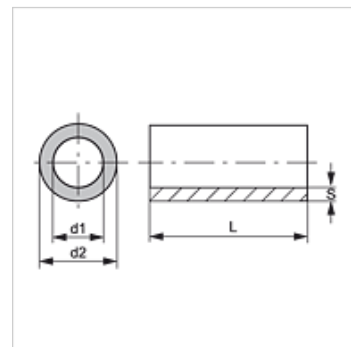
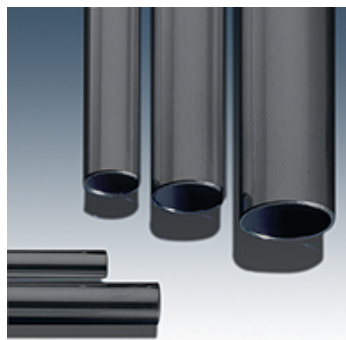


## Īpašības

|                     |                                      |
|---------------------|--------------------------------------|
| Modelis             | Tērauda precīzijas caurule, metriskā |
| Standarts           | DIN EN 10305-4                       |
| Materiāls           | Tērauds ST 37.4 NBK (1.0255)         |
| Virsmas aizsardzība | fosfatēts un ieeļlots                |
| Caurules garums     | 6 metri                              |



## Norāde

Norādītās spiediena vērtības attiecas uz taisnu cauruli.

Liekai caurulei analogi DIN EN 13480-4 jāaprēķina atbilstošais sienīņu biezums.

## Papildu informācija

Aprēķins ir analogs DIN 2413 (projekts)

slodzes veids I: statiskā (līdz 100 °C)

slodzes veids III: dinamiskā (līdz 200 °C) svārstību diapazons = P bar

Stiprības koeficients: K 235 [N/mm<sup>2</sup>]

Drošības koeficients: S 1,5

Pastāvīgā stiprības robeža:  $\sigma_{Sch/D}$  225 [N/mm<sup>2</sup>]

Pielaides: DIN 10305-4

## Izstrādājums

| Apzīmējums | Ø d2<br>(mm) | AD pielaides +/-<br>(mm) | Ø d1<br>(mm) | ID pielaides +/-<br>(mm) | S<br>(mm) | Slodzes veids I<br>(bar) | Slodzes veids III<br>(bar) |
|------------|--------------|--------------------------|--------------|--------------------------|-----------|--------------------------|----------------------------|
| PR 60-8    | 60,0         | -                        | 44,0         | -                        | 8,00      | -                        | -                          |
| PR 18-4    | 18,0         | 0,08                     | 10,0         | 0,15                     | 4,00      | -                        | -                          |
| PR 04-0.5  | 4,0          | 0,08                     | 3,0          | 0,15                     | 0,50      | 210                      | 189                        |
| PR 04-0.75 | 4,0          | 0,08                     | 2,5          | 0,15                     | 0,75      | 405                      | 345                        |
| PR 04-1    | 4,0          | 0,08                     | 2,0          | 0,15                     | 1,00      | 602                      | 484                        |
| PR 05-0.75 | 5,0          | 0,08                     | 3,5          | 0,15                     | 0,75      | 325                      | 282                        |
| PR 05-1    | 5,0          | 0,08                     | 3,0          | 0,15                     | 1,00      | 482                      | 400                        |
| PR 06-0.75 | 6,0          | 0,08                     | 4,5          | 0,12                     | 0,75      | 286                      | 251                        |
| PR 06-1    | 6,0          | 0,08                     | 4,0          | 0,12                     | 1,00      | 416                      | 352                        |
| PR 06-1.5  | 6,0          | 0,08                     | 3,0          | 0,15                     | 1,50      | 663                      | 524                        |
| PR 06-2    | 6,0          | 0,08                     | 2,0          | 0,15                     | 2,00      | 924                      | 683                        |
| PR 06-2.25 | 6,0          | 0,08                     | 1,5          | 0,15                     | 2,25      | 1053                     | 755                        |
| PR 08-1    | 8,0          | 0,08                     | 6,0          | 0,10                     | 1,00      | 320                      | 278                        |
| PR 08-1.5  | 8,0          | 0,08                     | 5,0          | 0,10                     | 1,50      | 516                      | 424                        |
| PR 08-2    | 8,0          | 0,08                     | 4,0          | 0,15                     | 2,00      | 693                      | 543                        |
| PR 08-2.5  | 8,0          | 0,08                     | 3,0          | 0,15                     | 2,50      | 888                      | 663                        |
| PR 10-1    | 10,0         | 0,08                     | 8,0          | 0,08                     | 1,00      | 263                      | 232                        |
| PR 10-1.5  | 10,0         | 0,08                     | 7,0          | 0,12                     | 1,50      | 407                      | 345                        |
| PR 10-2    | 10,0         | 0,08                     | 6,0          | 0,15                     | 2,00      | 554                      | 451                        |
| PR 10-2.5  | 10,0         | 0,08                     | 5,0          | 0,15                     | 2,50      | 711                      | 555                        |
| PR 10-3    | 10,0         | 0,08                     | 4,0          | 0,15                     | 3,00      | 867                      | 650                        |
| PR 10-4    | 10,0         | 0,08                     | 2,0          | 0,15                     | 4,00      | 1178                     | 820                        |
| PR 12-1    | 12,0         | 0,08                     | 10,0         | 0,08                     | 1,00      | 219                      | 196                        |
| PR 12-1.5  | 12,0         | 0,08                     | 9,0          | 0,10                     | 1,50      | 344                      | 297                        |
| PR 12-2    | 12,0         | 0,08                     | 8,0          | 0,12                     | 2,00      | 469                      | 391                        |
| PR 12-2.5  | 12,0         | 0,08                     | 7,0          | 0,15                     | 2,50      | 592                      | 477                        |
| PR 12-3    | 12,0         | 0,08                     | 6,0          | 0,15                     | 3,00      | 723                      | 562                        |
| PR 12-4    | 12,0         | 0,08                     | 4,0          | 0,15                     | 4,00      | 984                      | 717                        |
| PR 14-1    | 14,0         | 0,08                     | 12,0         | 0,08                     | 1,00      | 187                      | 169                        |
| PR 14-1.5  | 14,0         | 0,08                     | 11,0         | 0,08                     | 1,50      | 299                      | 262                        |
| PR 14-2    | 14,0         | 0,08                     | 10,0         | 0,10                     | 2,00      | 407                      | 345                        |
| PR 14-2.5  | 14,0         | 0,08                     | 9,0          | 0,12                     | 2,50      | 514                      | 423                        |
| PR 14-3    | 14,0         | 0,08                     | 8,0          | 0,15                     | 3,00      | 619                      | 495                        |
| PR 14-3.5  | 14,0         | 0,08                     | 7,0          | 0,15                     | 3,50      | 731                      | 568                        |
| PR 15-1    | 15,0         | 0,08                     | 13,0         | 0,08                     | 1,00      | 175                      | 159                        |



## Izstrādājums

| Apzīmējums | Ø d2<br>(mm) | AD pielaides +/-<br>(mm) | Ø d1<br>(mm) | ID pielaides +/-<br>(mm) | S<br>(mm) | Slodzes veids I<br>(bar) | Slodzes veids III<br>(bar) |
|------------|--------------|--------------------------|--------------|--------------------------|-----------|--------------------------|----------------------------|
| PR 15-1.5  | 15,0         | 0,08                     | 12,0         | 0,08                     | 1,50      | 279                      | 246                        |
| PR 15-2    | 15,0         | 0,08                     | 11,0         | 0,10                     | 2,00      | 380                      | 324                        |
| PR 15-2.5  | 15,0         | 0,08                     | 10,0         | 0,12                     | 2,50      | 480                      | 398                        |
| PR 15-3    | 15,0         | 0,08                     | 9,0          | 0,15                     | 3,00      | 578                      | 467                        |
| PR 16-1    | 16,0         | 0,08                     | 14,0         | 0,08                     | 1,00      | 164                      | 149                        |
| PR 16-1.5  | 16,0         | 0,08                     | 13,0         | 0,08                     | 1,50      | 262                      | 231                        |
| PR 16-2    | 16,0         | 0,08                     | 12,0         | 0,15                     | 2,00      | 346                      | 298                        |
| PR 16-2.5  | 16,0         | 0,08                     | 11,0         | 0,12                     | 2,50      | 450                      | 377                        |
| PR 16-3    | 16,0         | 0,08                     | 10,0         | 0,15                     | 3,00      | 542                      | 442                        |
| PR 16-4    | 16,0         | 0,08                     | 8,0          | 0,15                     | 4,00      | 738                      | 572                        |
| PR 17-2    | 17,0         | 0,08                     | 13,0         | 0,15                     | 2,00      | 325                      | 281                        |
| PR 18-1    | 18,0         | 0,08                     | 16,0         | 0,08                     | 1,00      | 146                      | 133                        |
| PR 18-1.5  | 18,0         | 0,08                     | 15,0         | 0,08                     | 1,50      | 233                      | 207                        |
| PR 18-2    | 18,0         | 0,08                     | 14,0         | 0,08                     | 2,00      | 320                      | 278                        |
| PR 18-2.5  | 18,0         | 0,08                     | 13,0         | 0,15                     | 2,50      | 395                      | 335                        |
| PR 18-3    | 18,0         | 0,08                     | 12,0         | 0,15                     | 3,00      | 482                      | 400                        |
| PR 20-1.5  | 20,0         | 0,08                     | 17,0         | 0,08                     | 1,50      | 209                      | 188                        |
| PR 20-2    | 20,0         | 0,08                     | 16,0         | 0,08                     | 2,00      | 288                      | 252                        |
| PR 20-2.5  | 20,0         | 0,08                     | 15,0         | 0,15                     | 2,50      | 355                      | 305                        |
| PR 20-3    | 20,0         | 0,08                     | 14,0         | 0,15                     | 3,00      | 433                      | 364                        |
| PR 20-3.5  | 20,0         | 0,08                     | 13,0         | 0,15                     | 3,50      | 512                      | 421                        |
| PR 20-4    | 20,0         | 0,08                     | 12,0         | 0,15                     | 4,00      | 590                      | 475                        |
| PR 22-1    | 22,0         | 0,08                     | 20,0         | 0,08                     | 1,00      | 119                      | 109                        |
| PR 22-1.5  | 22,0         | 0,08                     | 19,0         | 0,08                     | 1,50      | 190                      | 172                        |
| PR 22-2    | 22,0         | 0,08                     | 18,0         | 0,08                     | 2,00      | 262                      | 231                        |
| PR 22-2.5  | 22,0         | 0,08                     | 17,0         | 0,08                     | 2,50      | 333                      | 288                        |
| PR 22-3    | 22,0         | 0,08                     | 16,0         | 0,15                     | 3,00      | 394                      | 335                        |
| PR 25-1    | 25,0         | 0,08                     | 23,0         | 0,08                     | 1,00      | 105                      | 97                         |
| PR 25-1.5  | 25,0         | 0,08                     | 20,0         | 0,08                     | 1,50      | 167                      | 152                        |
| PR 25-2    | 25,0         | 0,08                     | 21,0         | 0,08                     | 2,00      | 230                      | 205                        |
| PR 25-2.5  | 25,0         | 0,08                     | 20,0         | 0,08                     | 2,50      | 293                      | 256                        |
| PR 25-3    | 25,0         | 0,08                     | 19,0         | 0,15                     | 3,00      | 347                      | 299                        |
| PR 25-3.5  | 25,0         | 0,08                     | 18,0         | 0,15                     | 3,50      | 409                      | 347                        |
| PR 25-4    | 25,0         | 0,08                     | 17,0         | 0,15                     | 4,00      | 472                      | 393                        |
| PR 25-4.5  | 25,0         | 0,08                     | 16,0         | 0,15                     | 4,50      | 535                      | 437                        |
| PR 25-5    | 25,0         | 0,08                     | 15,0         | 0,15                     | 5,00      | 597                      | 480                        |
| PR 28-1    | 28,0         | 0,08                     | 26,0         | 0,08                     | 1,00      | 93                       | 87                         |
| PR 28-1.5  | 28,0         | 0,08                     | 25,0         | 0,08                     | 1,50      | 149                      | 136                        |
| PR 28-2    | 28,0         | 0,08                     | 24,0         | 0,08                     | 2,00      | 205                      | 184                        |
| PR 28-2.5  | 28,0         | 0,08                     | 23,0         | 0,08                     | 2,50      | 261                      | 231                        |
| PR 28-3    | 28,0         | 0,08                     | 20,0         | 0,15                     | 3,00      | 309                      | 270                        |
| PR 28-3.5  | 28,0         | -                        | 21,0         | -                        | 3,50      | -                        | -                          |
| PR 28-4    | 28,0         | 0,08                     | 20,0         | 0,15                     | 4,00      | 421                      | 355                        |
| PR 28-4.5  | 28,0         | 0,08                     | 19,0         | 0,15                     | 4,50      | 477                      | 396                        |
| PR 28-5    | 28,0         | 0,08                     | 18,0         | 0,15                     | 5,00      | 533                      | 436                        |
| PR 30-1.5  | 30,0         | 0,08                     | 27,0         | 0,08                     | 1,50      | 139                      | 128                        |
| PR 30-2    | 30,0         | 0,08                     | 26,0         | 0,08                     | 2,00      | 192                      | 173                        |
| PR 30-2.5  | 30,0         | 0,08                     | 25,0         | 0,08                     | 2,50      | 244                      | 217                        |
| PR 30-3    | 30,0         | 0,08                     | 24,0         | 0,15                     | 3,00      | 289                      | 253                        |
| PR 30-4    | 30,0         | 0,08                     | 20,0         | 0,15                     | 4,00      | 393                      | 334                        |
| PR 30-5    | 30,0         | 0,08                     | 20,0         | 0,15                     | 5,00      | 498                      | 411                        |
| PR 30-6    | 30,0         | 0,15                     | 18,0         | 0,15                     | 6,00      | 595                      | 478                        |
| PR 32-1.5  | 32,0         | 0,08                     | 29,0         | 0,08                     | 1,50      | 131                      | 120                        |
| PR 32-2.5  | 32,0         | -                        | 27,0         | -                        | 2,50      | -                        | -                          |
| PR 32-4    | 32,0         | -                        | 24,0         | -                        | 4,00      | -                        | -                          |
| PR 35-2    | 35,0         | 0,15                     | 31,0         | 0,15                     | 2,00      | 152                      | 138                        |
| PR 35-2.5  | 35,0         | 0,15                     | 30,0         | 0,15                     | 2,50      | 196                      | 177                        |
| PR 35-3    | 35,0         | 0,15                     | 29,0         | 0,15                     | 3,00      | 241                      | 214                        |
| PR 35-4    | 35,0         | 0,15                     | 27,0         | 0,15                     | 4,00      | 331                      | 286                        |
| PR 35-5    | 35,0         | 0,15                     | 25,0         | 0,15                     | 5,00      | 420                      | 355                        |
| PR 35-6    | 35,0         | 0,15                     | 23,0         | 0,15                     | 6,00      | 510                      | 420                        |
| PR 38-2.5  | 38,0         | 0,15                     | 33,0         | 0,15                     | 2,50      | 181                      | 163                        |
| PR 38-3    | 38,0         | 0,15                     | 32,0         | 0,15                     | 3,00      | 222                      | 198                        |



# PR (M)

Metriskā tērauda precīzijas caurule, EN 10305-4, E235+N



## Izstrādājums

| Apzīmējums | Ø d2<br>(mm) | AD pielaides +/-<br>(mm) | Ø d1<br>(mm) | ID pielaides +/-<br>(mm) | S<br>(mm) | Slodzes veids I<br>(bar) | Slodzes veids III<br>(bar) |
|------------|--------------|--------------------------|--------------|--------------------------|-----------|--------------------------|----------------------------|
| PR 38-4    | 38,0         | 0,15                     | 30,0         | 0,15                     | 4,00      | 305                      | 266                        |
| PR 38-5    | 38,0         | 0,15                     | 28,0         | 0,15                     | 5,00      | 387                      | 330                        |
| PR 38-6    | 38,0         | 0,15                     | 26,0         | 0,15                     | 6,00      | 469                      | 391                        |
| PR 38-7    | 38,0         | 0,15                     | 24,0         | 0,15                     | 7,00      | 552                      | 449                        |
| PR 40-6    | 40,0         | -                        | 28,0         | -                        | 6,00      | -                        | -                          |
| PR 42-2    | 42,0         | 0,20                     | 38,0         | 0,20                     | 2,00      | 119                      | 109                        |
| PR 42-3    | 42,0         | 0,20                     | 36,0         | 0,20                     | 3,00      | 193                      | 174                        |
| PR 42-4    | 42,0         | 0,20                     | 34,0         | 0,20                     | 4,00      | 268                      | 236                        |
| PR 42-5    | 42,0         | 0,20                     | 32,0         | 0,20                     | 5,00      | 343                      | 296                        |
| PR 45-5    | 45,0         | 0,20                     | 35,0         | 0,20                     | 5,00      | 320                      | 278                        |
| PR 50-4    | 50,0         | 0,20                     | 42,0         | 0,20                     | 4,00      | 225                      | 201                        |
| PR 50-5    | 50,0         | 0,20                     | 40,0         | 0,20                     | 5,00      | 288                      | 252                        |
| PR 50-6    | 50,0         | 0,20                     | 38,0         | 0,20                     | 6,00      | 350                      | 302                        |
| PR 60-3    | 60,0         | 0,25                     | 54,0         | 0,25                     | 3,00      | 130                      | 119                        |
| PR 60-4    | 60,0         | 0,25                     | 52,0         | 0,25                     | 4,00      | 182                      | 165                        |
| PR 60-6    | 60,0         | -                        | 48,0         | -                        | 6,00      | -                        | -                          |
| PR 60-10   | 60,0         | 0,25                     | 40,0         | 0,25                     | 10,00     | 496                      | 410                        |
| PR 65-8    | 65,0         | 0,30                     | 49,0         | 0,30                     | 8,00      | 356                      | 306                        |
| PR 80-10   | 80,0         | 0,35                     | 60,0         | 0,35                     | 10,00     | 364                      | 312                        |