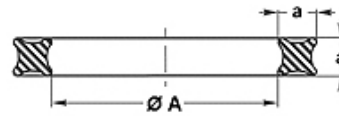


# QR (70° Shore NBR)

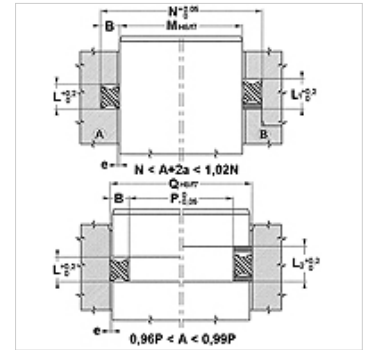
Quad ring 70SH NBR

## Properties

|                           |  |
|---------------------------|--|
| <b>Design</b>             | Quad ring                                      |
| <b>Operating pressure</b> | up to 150 bar, up to 400 bar with support ring |
| <b>Sliding speed max.</b> | 0,5 m/s  |
| <b>Temp. min.</b>         | -30 °C   |
| <b>Temp. max.</b>         | 110 °C   |
| <b>Media</b>              | Mineral oils<br>HFA, HFB                       |
| <b>Installation</b>       | in external and internal grooves               |
| <b>Material</b>           | NBR 70 Shore A                                 |



| Spaltmaß / Clearance |        |
|----------------------|--------|
| a                    | e max. |
| 1,78                 | 0,05   |
| 2,62 - 3,53          | 0,07   |
| 5,34 - 6,99          | 0,10   |



## Note

Rotational movements (consult us) up to 2 m/s  
 QR6, QR7, QR8 must be fitted into an open groove type B  
 Clearance:  
 a= 1.78; e max.=0.05  
 a= 2.62 - 3.53; e max.=0.07  
 a= 5.34 - 6.99; e max.=0.1

## Description

Low spatial requirement and low friction.  
 Numerous applications possible in static and dynamic sectors, no distortion possible with rotational movements.

## Ordering information

For special operating conditions (fluid, temperature, pressure ...) please contact us.  
 Alternative material possible: NBR 90, EPDM, MVQ, FPM

## Item

| Identification | a<br>(mm) | Ø A<br>(mm) |
|----------------|-----------|-------------|
| QR 6           | 1,78      | 2,90        |
| QR 7           | 1,78      | 3,68        |
| QR 8           | 1,78      | 4,47        |
| QR 9           | 1,78      | 5,28        |
| QR 10          | 1,78      | 6,07        |
| QR 11          | 1,78      | 7,65        |
| QR 12          | 1,78      | 9,25        |
| QR 110         | 2,62      | 9,19        |
| QR 111         | 2,62      | 10,77       |
| QR 112         | 2,62      | 12,37       |
| QR 113         | 2,62      | 13,94       |
| QR 114         | 2,62      | 15,54       |
| QR 115         | 2,62      | 17,12       |
| QR 116         | 2,62      | 18,72       |
| QR 117         | 2,62      | 20,29       |
| QR 124         | 2,62      | 31,42       |
| QR 210         | 3,53      | 18,64       |
| QR 211         | 3,53      | 20,22       |
| QR 212         | 3,53      | 21,82       |
| QR 213         | 3,53      | 23,40       |
| QR 214         | 3,53      | 24,99       |
| QR 215         | 3,53      | 26,58       |
| QR 216         | 3,53      | 28,17       |
| QR 217         | 3,53      | 29,75       |
| QR 218         | 3,53      | 31,34       |
| QR 219         | 3,53      | 32,92       |
| QR 220         | 3,53      | 34,52       |
| QR 221         | 3,53      | 36,09       |
| QR 222         | 3,53      | 37,69       |
| QR 223         | 3,53      | 40,87       |
| QR 224         | 3,53      | 44,05       |



# QR (70° Shore NBR)

Quad ring 70SH NBR

| Item           |           |             |
|----------------|-----------|-------------|
| Identification | a<br>(mm) | Ø A<br>(mm) |
| QR 325         | 5,34      | 37,47       |
| QR 326         | 5,34      | 40,65       |
| QR 327         | 5,34      | 43,82       |
| QR 328         | 5,34      | 47,00       |
| QR 329         | 5,34      | 50,16       |
| QR 330         | 5,34      | 53,34       |
| QR 331         | 5,34      | 56,52       |
| QR 332         | 5,34      | 59,69       |
| QR 333         | 5,34      | 62,87       |
| QR 334         | 5,34      | 66,04       |
| QR 335         | 5,34      | 69,22       |
| QR 336         | 5,34      | 72,39       |
| QR 337         | 5,34      | 75,57       |
| QR 338         | 5,34      | 78,74       |
| QR 339         | 5,34      | 81,92       |
| QR 340         | 5,34      | 85,09       |
| QR 341         | 5,34      | 88,27       |
| QR 342         | 5,34      | 91,44       |
| QR 343         | 5,34      | 94,62       |
| QR 344         | 5,34      | 97,79       |
| QR 345         | 5,34      | 100,14      |
| QR 346         | 5,34      | 104,14      |
| QR 347         | 5,34      | 107,32      |
| QR 348         | 5,34      | 110,50      |
| QR 349         | 5,34      | 113,67      |
| QR 356         | 5,34      | 135,89      |
| QR 425         | 6,99      | 113,67      |
| QR 426         | 6,99      | 116,84      |
| QR 427         | 6,99      | 120,02      |
| QR 428         | 6,99      | 123,20      |
| QR 429         | 6,99      | 126,37      |
| QR 430         | 6,99      | 129,54      |
| QR 431         | 6,99      | 132,72      |
| QR 432         | 6,99      | 135,90      |
| QR 433         | 6,99      | 139,06      |
| QR 434         | 6,99      | 142,24      |
| QR 435         | 6,99      | 145,42      |
| QR 436         | 6,99      | 148,60      |
| QR 437         | 6,99      | 151,77      |
| QR 438         | 6,99      | 158,12      |
| QR 439         | 6,99      | 194,47      |
| QR 440         | 6,99      | 170,82      |
| QR 441         | 6,99      | 177,17      |
| QR 442         | 6,99      | 183,52      |
| QR 443         | 6,99      | 189,97      |
| QR 444         | 6,99      | 196,22      |
| QR 445         | 6,99      | 202,57      |
| QR 446         | 6,99      | 215,27      |
| QR 447         | 6,99      | 227,97      |
| QR 448         | 6,99      | 240,67      |
| QR 449         | 6,99      | 253,30      |
| QR 450         | 6,99      | 266,07      |
| QR 451         | 6,99      | 278,77      |
| QR 452         | 6,99      | 291,47      |
| QR 453         | 6,99      | 304,17      |
| QR 454         | 6,99      | 316,87      |
| QR 455         | 6,99      | 329,57      |
| QR 456         | 6,99      | 342,30      |
| QR 457         | 6,99      | 355,00      |
| QR 458         | 6,99      | 367,67      |
| QR 459         | 6,99      | 380,37      |
| QR 460         | 6,99      | 393,07      |