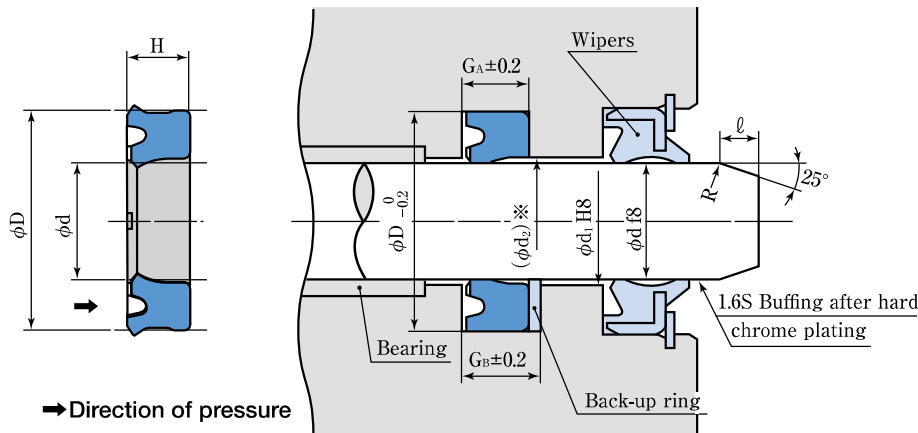




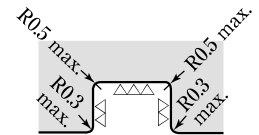
## Hydraulic packings for rods (Installable in one-piece groove)

# RNY-Packings

## Dimension table



### Details of groove



( $\nabla \nabla \nabla$  : 6.3S  $\nabla \nabla$  : 12.5S)

- Note:
- Packings should be installed in the direction specified in the above schematic.
  - Consider adopting divided grooves if one-piece groove is technically adverse.
  - Use divided grooves for packings smaller than RNY-18 in size.
  - For applications without back-up rings, refer to the limiting curve of extrusion of seals (page 15) for the size  $(\phi d_2)$ .
  - For information on preferred values of surface finish (roughness), see page 14.

## Dimension table of RNY-Packings

(Unit : mm)

| Packing & Groove dimensions |      |      |                |                |                               |     | Part No.                     |                                  | Compatible<br>SKY-Packings |
|-----------------------------|------|------|----------------|----------------|-------------------------------|-----|------------------------------|----------------------------------|----------------------------|
| d                           | D    | H    | G <sub>A</sub> | G <sub>B</sub> | d <sub>1</sub><br>(Reference) | ℓ   | Standard material<br>(RN922) | Standard back-up ring<br>(PT111) |                            |
| 16                          | 24   | 5.1  | 5.7            | 6.7            | 16.4                          | 2.5 | RNY- 16                      | TCS- 24 × 16                     | SKY- 16                    |
| 18                          | 26   | 5.1  | 5.7            | 6.7            | 18.4                          | 2.5 | RNY- 18                      | TCS- 26 × 18                     | SKY- 18                    |
| 20                          | 28   | 5.1  | 5.7            | 6.7            | 20.4                          | 2.5 | RNY- 20                      | TCS- 28 × 20                     | SKY- 20                    |
| 22                          | 30   | 5.1  | 5.7            | 6.7            | 22.4                          | 2.5 | RNY- 22                      | TCS- 30 × 22                     | SKY- 22                    |
| 22.4                        | 30   | 5.1  | 5.7            | 6.7            | 22.8                          | 2.5 | RNY- 22.4                    | TCS- 30 × 22.4                   | SKY- 22.4                  |
| 25                          | 33   | 5.1  | 5.7            | 6.7            | 25.4                          | 2.5 | RNY- 25                      | TCS- 33 × 25                     | SKY- 25                    |
| 28                          | 35.5 | 5.1  | 5.7            | 6.7            | 28.4                          | 2.5 | RNY- 28                      | TCS- 35.5 × 28                   | SKY- 28                    |
| 30                          | 40   | 6.2  | 7              | 8.5            | 30.5                          | 3   | RNY- 30                      | TCS- 40 × 30                     | SKY- 30                    |
| 31.5                        | 41.5 | 6.2  | 7              | 8.5            | 32                            | 3   | RNY- 31.5                    | TCS- 41.5 × 31.5                 | SKY- 31.5                  |
| 32                          | 42   | 6.2  | 7              | 8.5            | 32.5                          | 3   | RNY- 32                      | TCS- 42 × 32                     | SKY- 32                    |
| 35                          | 45   | 6.2  | 7              | 8.5            | 35.5                          | 3   | RNY- 35                      | TCS- 45 × 35                     | SKY- 35                    |
| 35.5                        | 45   | 6.2  | 7              | 8.5            | 36                            | 3   | RNY- 35.5                    | TCS- 45 × 35.5                   | SKY- 35.5                  |
| 36                          | 46   | 6.2  | 7              | 8.5            | 36.5                          | 3   | RNY- 36                      | TCS- 46 × 36                     | SKY- 36                    |
| 40                          | 50   | 6.2  | 7              | 8.5            | 40.5                          | 3   | RNY- 40                      | TCS- 50 × 40                     | SKY- 40                    |
| 45                          | 55   | 6.2  | 7              | 8.5            | 45.5                          | 3   | RNY- 45                      | TCS- 55 × 45                     | SKY- 45                    |
| 45                          | 56   | 7.2  | 8              | 9.5            | 45.5                          | 3   | RNY- 45A                     | TCS- 56 × 45                     | SKY- 45A                   |
| 50                          | 60   | 6.2  | 7              | 8.5            | 50.5                          | 3   | RNY- 50                      | TCS- 60 × 50                     | SKY- 50                    |
| 55                          | 65   | 6.2  | 7              | 8.5            | 55.6                          | 3   | RNY- 55                      | TCS- 65 × 55                     | SKY- 55                    |
| 56                          | 66   | 6.2  | 7              | 8.5            | 56.6                          | 3   | RNY- 56                      | TCS- 66 × 56                     | SKY- 56                    |
| 60                          | 70   | 6.2  | 7              | 8.5            | 60.6                          | 3   | RNY- 60                      | TCS- 70 × 60                     | SKY- 60                    |
| 60                          | 71   | 7.2  | 8              | 9.5            | 60.6                          | 3   | RNY- 60A                     | TCS- 71 × 60                     | SKY- 60A                   |
| 63                          | 73   | 6.2  | 7              | 8.5            | 63.6                          | 3   | RNY- 63                      | TCS- 73 × 63                     | SKY- 63                    |
| 65                          | 75   | 6.2  | 7              | 8.5            | 65.6                          | 3   | RNY- 65                      | TCS- 75 × 65                     | SKY- 65                    |
| 65                          | 78   | 8.2  | 9              | 11             | 65.6                          | 3.5 | RNY- 65B                     | TCS- 78 × 65                     | SKY- 65                    |
| 70                          | 80   | 6.2  | 7              | 8.5            | 70.6                          | 3.5 | RNY- 70                      | TCS- 80 × 70                     | SKY- 70                    |
| 70                          | 85   | 9.2  | 10             | 12             | 70.6                          | 3.5 | RNY- 70B                     | TCS- 85 × 70                     | SKY- 70                    |
| 71                          | 80   | 6.2  | 7              | 8.5            | 71.6                          | 3.5 | RNY- 71                      | TCS- 80 × 71                     | SKY- 71                    |
| 75                          | 85   | 6.2  | 7              | 8.5            | 75.6                          | 3.5 | RNY- 75                      | TCS- 85 × 75                     | SKY- 75                    |
| 75                          | 90   | 9.2  | 10             | 12             | 75.6                          | 3.5 | RNY- 75B                     | TCS- 90 × 75                     | SKY- 75                    |
| 80                          | 90   | 6.2  | 7              | 8.5            | 80.6                          | 3.5 | RNY- 80                      | TCS- 90 × 80                     | SKY- 80                    |
| 80                          | 95   | 9.2  | 10             | 12             | 80.6                          | 4   | RNY- 80B                     | TCS- 95 × 80                     | SKY- 80                    |
| 85                          | 100  | 9.2  | 10             | 12             | 85.6                          | 4   | RNY- 85                      | TCS- 100 × 85                    | SKY- 85                    |
| 90                          | 105  | 9.2  | 10             | 12             | 90.6                          | 4   | RNY- 90                      | TCS- 105 × 90                    | SKY- 90                    |
| 100                         | 115  | 9.2  | 10             | 12             | 100.6                         | 4   | RNY- 100                     | TCS- 115 × 100                   | SKY- 100                   |
| 110                         | 125  | 9.2  | 10             | 12             | 110.6                         | 4   | RNY- 110                     | TCS- 125 × 110                   | SKY- 110                   |
| 112                         | 125  | 8.7  | 10             | 12             | 112.6                         | 4   | RNY- 112                     | TCS- 125 × 112                   | SKY- 112, 112A             |
| 125                         | 140  | 9.2  | 10             | 12             | 125.6                         | 4   | RNY- 125                     | TCS- 140 × 125                   | SKY- 125                   |
| 140                         | 155  | 9.2  | 10             | 12             | 140.6                         | 4   | RNY- 140                     | TCS- 155 × 140                   | SKY- 140                   |
| 160                         | 175  | 9.2  | 10             | 12             | 160.6                         | 4   | RNY- 160                     | TCS- 175 × 160                   | SKY- 160                   |
| 180                         | 200  | 12.2 | 13             | 15.5           | 180.7                         | 5.5 | RNY- 180                     | TCS- 200 × 180                   | SKY- 180                   |

★ Orders and inquiries are accepted on part numbers.

★ Products with the part numbers in blue back ground are stock items.

★ Packings with the part numbers including letter B are the improved strength types and incompatible with SKY-Packings.

★ Packings are adequately packaged for the optimum storage. Refer to "Cautions" in page 2 for the handling and the storage.

★ Both in-house stock and manufacturing tooling availability of items specified in the column "Compatible SKY-Packings" can be referred in pages 26~29, SKY Packings.

**Related products:** RGY-Packings, SDR-Wipers, SCK-Wipers, SCB-Wipers, SW-Wear rings, S-LEEVE and PG-Rings