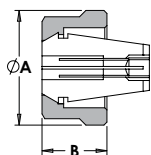
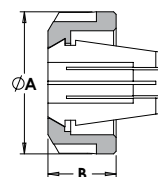


### Clamping nuts acc. to DIN 6499 standard without internal coolant sealing



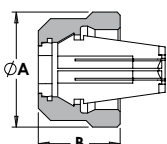
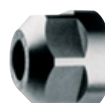
**Note:** For recommended tightening torque, please see page 56.

| Order code | Type | A mm | B mm |
|------------|------|------|------|
| 69318      | ER11 | 19   | 11.3 |
| 69518      | ER16 | 28   | 17.5 |
| 70018      | ER20 | 34   | 19.0 |

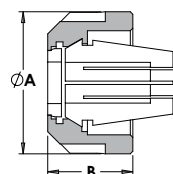


| Order code | Type | A mm | B mm |
|------------|------|------|------|
| 69918      | ER25 | 42   | 20.0 |
| 71118      | ER32 | 50   | 22.5 |
| 71318      | ER40 | 63   | 25.5 |
| 66018      | ER50 | 78   | 35.3 |

### Clamping nuts to DIN 6499 for internal coolant system, for use with sealing disks



| Order code | Type | A mm | B mm |
|------------|------|------|------|
| 70116      | ER16 | 28   | 22.5 |
| 70120      | ER20 | 34   | 24.5 |



| Order code | Type | A mm | B mm |
|------------|------|------|------|
| 70125      | ER25 | 42   | 25.0 |
| 70132      | ER32 | 50   | 27.5 |
| 70140      | ER40 | 63   | 30.5 |
| 66050      | ER50 | 78   | 42.5 |

### Steel collet seals for use with coolant through steel collet models and sealing disk nuts.

| Description #16 Series Seals |             |
|------------------------------|-------------|
| Size                         | Catalog No. |
| <b>Complete Set</b>          | 70117       |
| 3-3.5mm (.118-.138)          | 70117-35    |
| 3.5-4mm (.138-.157)          | 70117-40    |
| 4-4.5mm (.157-.177)          | 70117-45    |
| 4.5-5mm (.177-.197)          | 70117-50    |
| 5-5.5mm (.197-.217)          | 70117-55    |
| 5.5-6mm (.217-.236)          | 70117-60    |
| 6-6.5mm (.236-.256)          | 70117-65    |
| 6.5-7mm (.256-.276)          | 70117-70    |
| 7-7.5mm (.276-.295)          | 70117-75    |
| 7.5-8mm (.295-.315)          | 70117-80    |
| 8-8.5mm (.315-.335)          | 70117-85    |
| 8.5-9mm (.335-.354)          | 70117-90    |
| 9-9.5mm (.354-.374)          | 70117-95    |
| 9.5-10mm (.374-.394)         | 70117-100   |

| Description #20 Series Seals |             |
|------------------------------|-------------|
| Size                         | Catalog No. |
| <b>Complete Set</b>          | 70121       |
| 3-3.5mm (.118-.138)          | 70121-35    |
| 3.5-4mm (.138-.157)          | 70121-40    |
| 4-4.5mm (.157-.177)          | 70121-45    |
| 4.5-5mm (.177-.197)          | 70121-50    |
| 5-5.5mm (.197-.217)          | 70121-55    |
| 5.5-6mm (.217-.236)          | 70121-60    |
| 6-6.5mm (.236-.256)          | 70121-65    |
| 6.5-7mm (.256-.276)          | 70121-70    |
| 7-7.5mm (.276-.295)          | 70121-75    |
| 7.5-8mm (.295-.315)          | 70121-80    |
| 8-8.5mm (.315-.335)          | 70121-85    |
| 8.5-9mm (.335-.354)          | 70121-90    |
| 9-9.5mm (.354-.374)          | 70121-95    |
| 9.5-10mm (.374-.394)         | 70121-100   |
| 10-10.5mm (.394-.413)        | 70121-105   |
| 10.5-11mm (.416-.433)        | 70121-110   |
| 11-11.5mm (.433-.453)        | 70121-115   |
| 11.5-12mm (.453-.472)        | 70121-120   |
| 12-12.5mm (.472-.492)        | 70121-125   |

| Description #25 Series Seals |             |
|------------------------------|-------------|
| Size                         | Catalog No. |
| <b>Complete Set</b>          | 70126       |
| 3-3.5mm (.118-.138)          | 70126-35    |
| 3.5-4mm (.138-.157)          | 70126-40    |
| 4-4.5mm (.157-.177)          | 70126-45    |
| 4.5-5mm (.177-.197)          | 70126-50    |
| 5-5.5mm (.197-.217)          | 70126-55    |
| 5.5-6mm (.217-.236)          | 70126-60    |
| 6-6.5mm (.236-.256)          | 70126-65    |
| 6.5-7mm (.256-.276)          | 70126-70    |
| 7-7.5mm (.276-.295)          | 70126-75    |
| 7.5-8mm (.295-.315)          | 70126-80    |
| 8-8.5mm (.315-.335)          | 70126-85    |
| 8.5-9mm (.335-.354)          | 70126-90    |
| 9-9.5mm (.354-.374)          | 70126-95    |
| 9.5-10mm (.374-.394)         | 70126-100   |
| 10-10.5mm (.394-.413)        | 70126-105   |
| 10.5-11mm (.416-.433)        | 70126-110   |
| 11-11.5mm (.433-.453)        | 70126-115   |
| 11.5-12mm (.453-.472)        | 70126-120   |
| 12-12.5mm (.472-.492)        | 70126-125   |
| 12.5-13mm (.492-.512)        | 70126-130   |
| 13-13.5mm (.512-.531)        | 70126-135   |
| 13.5-14mm (.531-.551)        | 70126-140   |
| 14-14.5mm (.551-.571)        | 70126-145   |
| 14.5-15mm (.571-.591)        | 70126-150   |
| 15-15.5mm (.591-.610)        | 70126-155   |
| 15.5-16mm (.610-.630)        | 70126-160   |

| Description #32 Series Seals |             |
|------------------------------|-------------|
| Size                         | Catalog No. |
| <b>Complete Set</b>          | 70133       |
| 3-3.5mm (.118-.138)          | 70133-35    |
| 3.5-4mm (.138-.157)          | 70133-40    |
| 4-4.5mm (.157-.177)          | 70133-45    |
| 4.5-5mm (.177-.197)          | 70133-50    |
| 5-5.5mm (.197-.217)          | 70133-55    |
| 5.5-6mm (.217-.236)          | 70133-60    |
| 6-6.5mm (.236-.256)          | 70133-65    |
| 6.5-7mm (.256-.276)          | 70133-70    |
| 7-7.5mm (.276-.295)          | 70133-75    |
| 7.5-8mm (.295-.315)          | 70133-80    |
| 8-8.5mm (.315-.335)          | 70133-85    |
| 8.5-9mm (.335-.354)          | 70133-90    |
| 9-9.5mm (.354-.374)          | 70133-95    |
| 9.5-10mm (.374-.394)         | 70133-100   |
| 10-10.5mm (.394-.413)        | 70133-105   |
| 10.5-11mm (.416-.433)        | 70133-110   |
| 11-11.5mm (.433-.453)        | 70133-115   |
| 11.5-12mm (.453-.472)        | 70133-120   |
| 12-12.5mm (.472-.492)        | 70133-125   |
| 12.5-13mm (.492-.512)        | 70133-130   |
| 13-13.5mm (.512-.531)        | 70133-135   |
| 13.5-14mm (.531-.551)        | 70133-140   |
| 14-14.5mm (.551-.571)        | 70133-145   |
| 14.5-15mm (.571-.591)        | 70133-150   |
| 15-15.5mm (.591-.610)        | 70133-155   |
| 15.5-16mm (.610-.630)        | 70133-160   |
| 16-16.5mm (.630-.650)        | 70133-165   |
| 16.5-17mm (.650-.670)        | 70133-170   |
| 17-17.5mm (.670-.690)        | 70133-175   |
| 17.5-18mm (.690-.710)        | 70133-180   |
| 18-18.5mm (.710-.730)        | 70133-185   |
| 18.5-19mm (.730-.748)        | 70133-190   |
| 19-19.5mm (.749-.767)        | 70133-195   |
| 19.5-20mm (.767-.787)        | 70133-200   |



**Note:** #40 and #50 seals also available on request

Also available, coolant flush disks for directing coolant down the tap shank.



■ on request