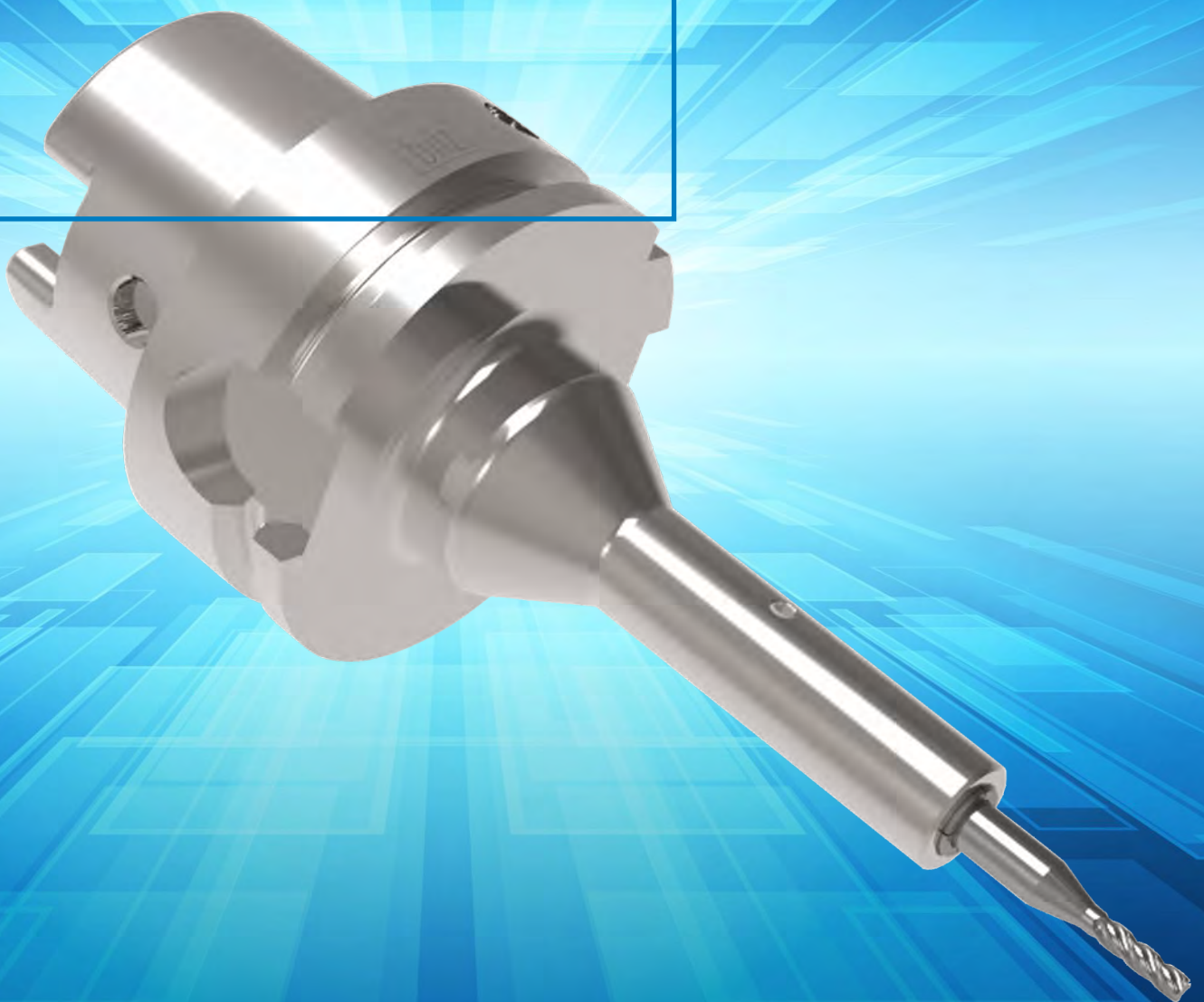
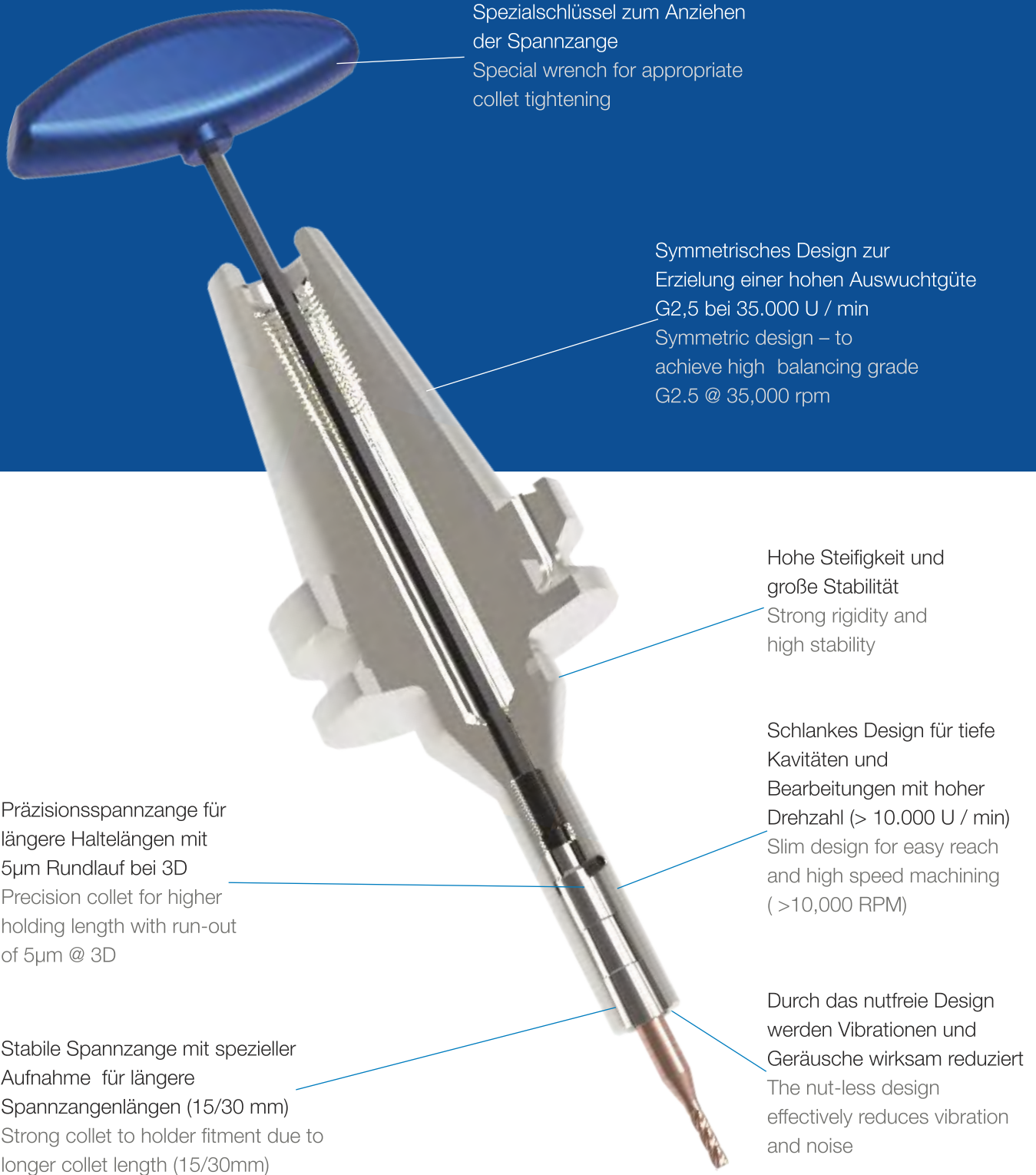


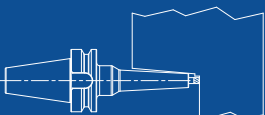
Micro-Spannzangenhalter  
Micro collet holder



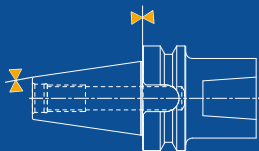
# Micro-Spannzangenhalter Micro collet holder



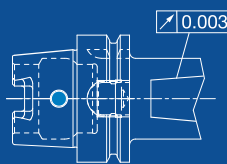
Schlankes Design für tiefe Kavitäten  
Slim design for easy reach



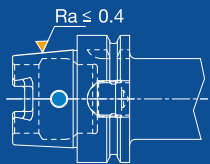
Steilkegel mit Plananlage  
Dual Face Contact



Hohe Rundlaufgenauigkeit  
High run-out accuracy



Oberflächengüte  
Surface finish



# Micro-Spannzangenhalter (BT)

Micro collet holder (BT)

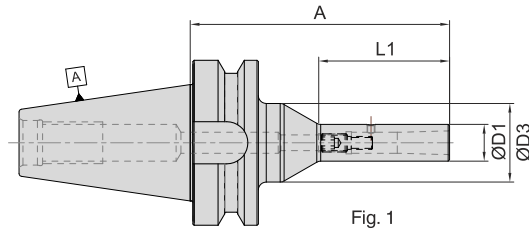


Fig. 1

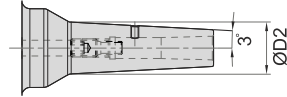


Fig. 2

| BT30                      |                  |           |            |            |            |            |                                     |      |             |                            |           |  |  |
|---------------------------|------------------|-----------|------------|------------|------------|------------|-------------------------------------|------|-------------|----------------------------|-----------|--|--|
| Spannzange<br>Collet Type | Bereich<br>Range | A<br>(mm) | L1<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | Kühlmittelezufuhr<br>Coolant supply | Fig. | N/W<br>(Kg) | Bezeichnung<br>Designation | Ident No. |  |  |
| MC10                      | 3-4              | 90        | 45         | 10         | -          | 22         | Form "AD"                           | 1    | 0,45        | WMCH/D10-90/FBT30          | 5153133   |  |  |
| MC14                      | 3-6              | 90        | 40         | 14         | -          | 30         | Form "AD"                           | 1    | 0,55        | WMCH/D14-90/FBT30          | 5153134   |  |  |
| MC14                      | 3-6              | 120       | 70         | 14         | 21.3       | 30         | Form "AD"                           | 2    | 0,65        | WMCH/D14-120/FBT30         | 5153135   |  |  |

| BT40                      |                  |           |            |            |            |            |                                     |      |             |                            |           |  |  |
|---------------------------|------------------|-----------|------------|------------|------------|------------|-------------------------------------|------|-------------|----------------------------|-----------|--|--|
| Spannzange<br>Collet Type | Bereich<br>Range | A<br>(mm) | L1<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | Kühlmittelezufuhr<br>Coolant supply | Fig. | N/W<br>(Kg) | Bezeichnung<br>Designation | Ident No. |  |  |
| MC14                      | 3-6              | 90        | 40         | 14         | -          | 30         | Form "AD"                           | 1    | 0,55        | WMCH/D14-90/FBT40          | 5153136   |  |  |
| MC14                      | 3-6              | 120       | 70         | 14         | 21.3       | 30         | Form "AD"                           | 2    | 1,20        | WMCH/D14-120/FBT40         | 5153138   |  |  |

|                                                      |  |  |  |  |  |  |  |  |  |  |  |           |              |        |
|------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--------------|--------|
| Ersatzteile und Zubehör / Spare Parts & Accessories: |  |  |  |  |  |  |  |  |  |  |  | Pull stud | Micro collet | Wrench |
|------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--------------|--------|

# Micro-Spannzangenhalter (SK)

Micro collet holder (SK)

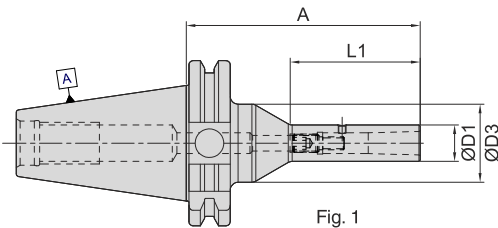


Fig. 1

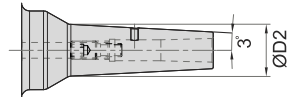


Fig. 2

| SK40                      |                  |           |            |            |            |            |                                     |      |             |                            |           |  |  |
|---------------------------|------------------|-----------|------------|------------|------------|------------|-------------------------------------|------|-------------|----------------------------|-----------|--|--|
| Spannzange<br>Collet Type | Bereich<br>Range | A<br>(mm) | L1<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | Kühlmittelezufuhr<br>Coolant supply | Fig. | N/W<br>(Kg) | Bezeichnung<br>Designation | Ident No. |  |  |
| MC14                      | 3-6              | 90        | 40         | 14         | -          | 30         | Form "AD"                           | 1    | 0,95        | WMCH/D14-90/FSK40          | 5153139   |  |  |
| MC14                      | 3-6              | 120       | 70         | 14         | 21.3       | 30         | Form "AD"                           | 2    | 1,05        | WMCH/D14-120/FSK40         | 5153140   |  |  |

|                                                      |  |  |  |  |  |  |  |  |  |  |  |           |              |        |
|------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--------------|--------|
| Ersatzteile und Zubehör / Spare Parts & Accessories: |  |  |  |  |  |  |  |  |  |  |  | Pull stud | Micro collet | Wrench |
|------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|--------------|--------|

# Micro-Spannzangenhalter (HSK)

## Micro collet holder (HSK)

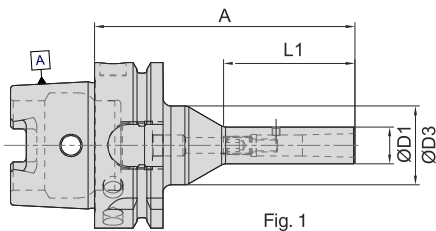


Fig. 1

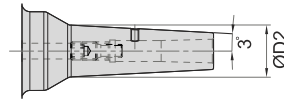


Fig. 2

### HSK-A50



| Spannzange<br>Collet Type | Bereich<br>Range | A<br>(mm) | L1<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | Kühlmittelezufuhr<br>Coolant supply | Fig. | N/W<br>(Kg) | Bezeichnung<br>Designation | Ident No. |
|---------------------------|------------------|-----------|------------|------------|------------|------------|-------------------------------------|------|-------------|----------------------------|-----------|
| MC10                      | 3-4              | 90        | 45         | 10         | -          | 22         | Form "AD"                           | 1    | 0,45        | WMCH/D10-90/HSK-A50        | 5153141   |
| MC14                      | 3-6              | 90        | 40         | 14         | -          | 30         | Form "AD"                           | 2    | 0,50        | WMCH/D14-90/HSK-A50        | 5153142   |

### HSK-A63



| Spannzange<br>Collet Type | Bereich<br>Range | A<br>(mm) | L1<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | Kühlmittelezufuhr<br>Coolant supply | Fig. | N/W<br>(Kg) | Bezeichnung<br>Designation | Ident No. |
|---------------------------|------------------|-----------|------------|------------|------------|------------|-------------------------------------|------|-------------|----------------------------|-----------|
| MC14                      | 3-6              | 90        | 40         | 14         | -          | 30         | Form "AD"                           | 1    | 0,80        | WMCH/D14-90/HSK-A63        | 5153143   |
| MC14                      | 3-6              | 120       | 70         | 14         | 21.3       | 30         | Form "AD"                           | 2    | 0,90        | WMCH/D14-120/HSK-A63       | 5153144   |

Ersatzteile und Zubehör / Spare Parts & Accessories: Micro collet Wrench Coolant tube

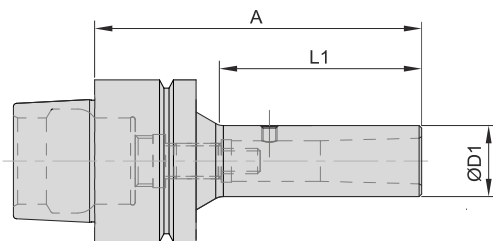


Fig. 1

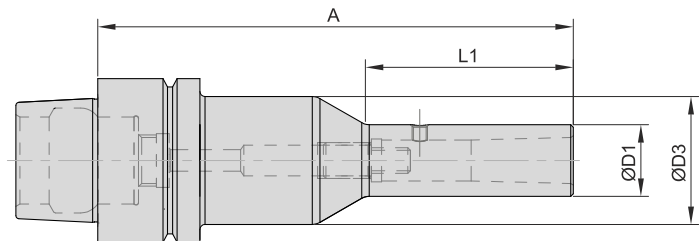


Fig. 2

### HSK-E32



| Spannzange<br>Collet Type | Bereich<br>Range | A<br>(mm) | L1<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | Kühlmittelezufuhr<br>Coolant supply | Fig. | N/W<br>(Kg) | Bezeichnung<br>Designation | Ident No. |
|---------------------------|------------------|-----------|------------|------------|------------|------------|-------------------------------------|------|-------------|----------------------------|-----------|
| MC14                      | 3-4              | 65        | 40         | 14         | -          | -          | Form "AD"                           | 1    | 0,25        | WMCH/D14-65/HSK-E32        | 5167343   |
| MC14                      | 3-6              | 90        | 40         | 14         | -          | 25         | Form "AD"                           | 2    | 0,35        | WMCH/D14-90/HSK-E32        | 5167344   |

### HSK-E40

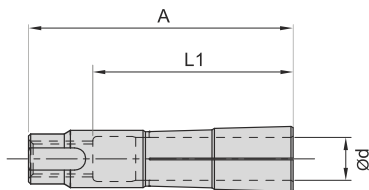


| Spannzange<br>Collet Type | Bereich<br>Range | A<br>(mm) | L1<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | Kühlmittelezufuhr<br>Coolant supply | Fig. | N/W<br>(Kg) | Bezeichnung<br>Designation | Ident No. |
|---------------------------|------------------|-----------|------------|------------|------------|------------|-------------------------------------|------|-------------|----------------------------|-----------|
| MC14                      | 3-4              | 65        | 40         | 14         | -          | -          | Form "AD"                           | 1    | 0,35        | WMCH/D14-65/HSK-E40        | 5167346   |
| MC14                      | 3-6              | 90        | 40         | 14         | -          | 30         | Form "AD"                           | 2    | 0,40        | WMCH/D14-90/HSK-E40        | 5167347   |

Ersatzteile und Zubehör / Spare Parts & Accessories: Micro collet Wrench Coolant tube

## Micro Spannzange

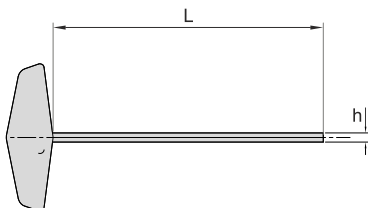
Micro collet



| für Größe<br>for Size | d<br>(mm) | A<br>(mm) | L1<br>(mm) | M<br>(mm) | Spannschlüssel<br>Wrench | Anzugsmoment<br>Tightening Torque | Bezeichnung<br>Designation | Ident No. |
|-----------------------|-----------|-----------|------------|-----------|--------------------------|-----------------------------------|----------------------------|-----------|
| MC10                  | 3         | 18        | 15         | M5        | W-D10x200L-HEX3.0        | 10Nm                              | WMC 10-3.0                 | 5153145   |
| MC10                  | 4         | 18        | 15         | M5        | W-D10x200L-HEX3.0        | 10Nm                              | WMC 10-4.0                 | 5153147   |
| MC14                  | 3         | 37        | 15         | M7x1      | W-D14x200L-HEX4.0        | 10Nm                              | WMC 14-3.0                 | 5153148   |
| MC14                  | 4         | 37        | 15         | M7x1      | W-D14x200L-HEX4.0        | 10Nm                              | WMC 14-4.0                 | 5153149   |
| MC14                  | 5         | 37        | 23         | M7x1      | W-D14x200L-HEX4.0        | 10Nm                              | WMC 14-5.0                 | 5153151   |
| MC14                  | 6         | 37        | 28         | M7x1      | W-D14x200L-HEX4.0        | 10Nm                              | WMC 14-6.0                 | 5153152   |

## Spannschlüssel

Wrench



| Bezeichnung<br>Designation | Spannzange<br>Collet Type | h<br>(mm) | L<br>(mm) | Ident No. |
|----------------------------|---------------------------|-----------|-----------|-----------|
| W-D10x200L-HEX3.0          | MC10                      | 3.0       | 200       | 5166591   |
| W-D14x200L-HEX4.0          | MC14                      | 4.0       | 200       | 5166592   |



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