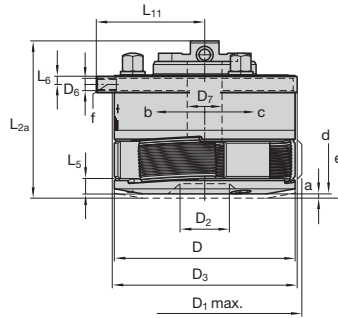




| Type     | Ident No. |
|----------|-----------|
| F34 EVO  | 7156344   |
| F34L EVO | 7169609   |
| K34 EVO  | 7169610   |
| K34L EVO | 7169611   |



**Baumaße in mm Dimension in inches**

| D      | D1max  | D2     | D3     | D6 | D7     | L2a    | L5     | L6     | L11    | a      | $\alpha$ | $\gamma$ |  |  |
|--------|--------|--------|--------|----|--------|--------|--------|--------|--------|--------|----------|----------|--|--|
| 117    | 128    | 44     | 119    | M8 | 22,5   | 97     | 8      | 5      | 66,8   | 4      | 60°      | 1° 15'   |  |  |
| 4.606" | 5.039" | 1.732" | 4.685" |    | 0.886" | 3.819" | 0.315" | 0.197" | 2.630" | 0.157" |          |          |  |  |

F34 EVO, K34 EVO für Rechtsgewinde for right-hand threads

F34L EVO, K34L EVO für Linksgewinde for left-hand threads

F34 EVO, F34L EVO nur feststehend verwendbar to be used stationary only

K34 EVO, K34L EVO feststehend und umlaufend verwendbar used stationary or rotating

| m-Rk                              | m-Ro                                    |
|-----------------------------------|-----------------------------------------|
| ca. 3,85 kg<br>approx.<br>8.49 lb | 0,32–0,85 kg<br>approx.<br>0.71–1.87 lb |

a = Schalthebel Pull off for opening

b = Kopf schließt bei Typ F Head closes when type F

c = Kopf öffnet bei Typ F Head opens when type F

d = Rollkopf geschlossen Rolling head closed

e = Rollkopf geöffnet Rolling head opened

f = Gewinde für Griff bei feststehender Verwendung. Thread for hand grip with stationary operation.

$\alpha$  = Schließwinkel Closing angle

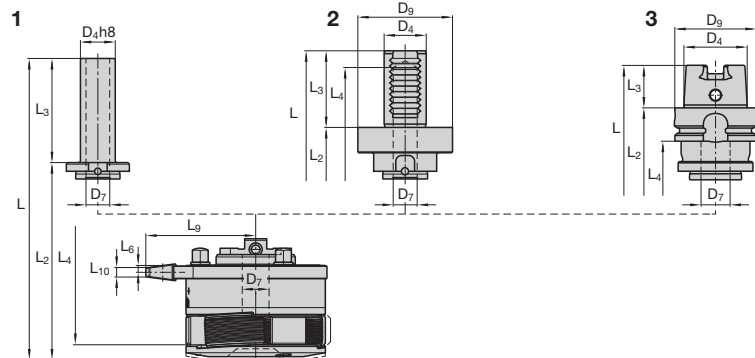
$\gamma$  = Rollen-Schrägstellung Inclined position of rolls

m-Rk = Rollkopfgewicht ohne Schaft und ohne Rollen Rolling head weight without shank and rolls

m-Ro = Gewicht für 1 Satz = 3 Stück Rollen Weight of 1 set of 3 rolls

**Wechselschäfte EVOLine Change shanks EVOLine**

| Type           | Ident No. |
|----------------|-----------|
| R25-size 3     | 7139628   |
| R30-size 3     | 7139630   |
| R1-size 3      | 7139632   |
| R1 1/4-size 3  | 7139634   |
| R1 1/2-size 3  | 7139636   |
| VDI-25-size 3  | 7139638   |
| VDI-30-size 3  | 7139640   |
| VDI-40-size 3  | 7139642   |
| HSK-A63-size 3 | 7139644   |

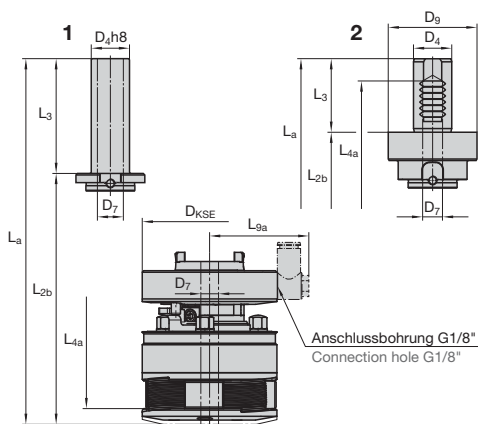
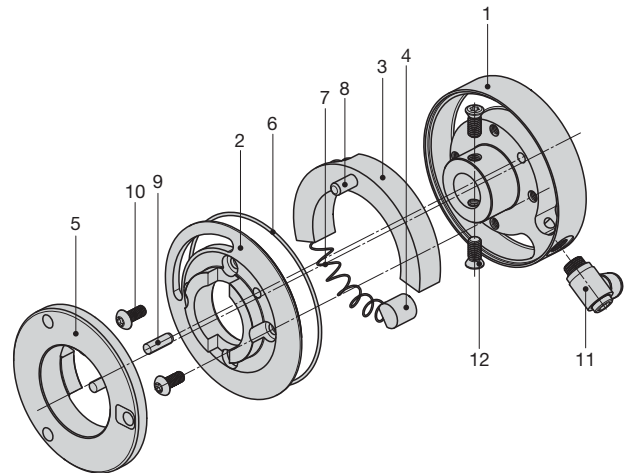


| Schaft-Ø<br>Shank dia. | Baumaße in mm Dimension in inches |               |             |                  |                |                |                |                 |                |  |  |  |  |  |
|------------------------|-----------------------------------|---------------|-------------|------------------|----------------|----------------|----------------|-----------------|----------------|--|--|--|--|--|
|                        | D4                                | D7            | D9          | D <sub>KSE</sub> | L              | L <sub>a</sub> | L <sub>2</sub> | L <sub>2b</sub> | L <sub>3</sub> |  |  |  |  |  |
| 25                     | 25   0.984"                       | 17   0.669"   | –           | 113   4.449"     | 172   6.772"   | 211,5   8.327" | 97   3.819"    | 136,5   5.374"  | 75   2.953"    |  |  |  |  |  |
| 30                     | 30   1.181"                       | 22,5   0.886" | –           | 113   4.449"     | 187   7.362"   | 226,5   8.917" | 97   3.819"    | 136,5   5.374"  | 90   3.543"    |  |  |  |  |  |
| 1                      | 25,4   1.000"                     | 17   0.669"   | –           | 113   4.449"     | 172   6.772"   | 211,5   8.327" | 97   3.819"    | 136,5   5.374"  | 75   2.953"    |  |  |  |  |  |
| 1 1/4                  | 31,75   1.250"                    | 22,5   0.886" | –           | 113   4.449"     | 187   7.362"   | 226,5   8.917" | 97   3.819"    | 136,5   5.374"  | 90   3.543"    |  |  |  |  |  |
| 1 1/2                  | 38,1   1.500"                     | 22,5   0.886" | –           | 113   4.449"     | 187   7.362"   | 226,5   8.917" | 97   3.819"    | 136,5   5.378"  | 90   3.543"    |  |  |  |  |  |
| VDI-25                 | 25   0.984"                       | 22,5   0.886" | 58   2.283" | 113   4.449"     | 168   6.614"   | 207,5   8.170" | 120   4.724"   | 159,5   6.280"  | 48   1.890"    |  |  |  |  |  |
| VDI-30                 | 30   1.181"                       | 22,5   0.886" | 68   2.677" | 113   4.449"     | 177,5   6.988" | 217   8.543"   | 122,5   4.823" | 162   6.378"    | 55   2.165"    |  |  |  |  |  |
| VDI-40                 | 40   1.575"                       | 22,5   0.886" | 83   3.268" | 113   4.449"     | 185,5   7.303" | 225   8.858"   | 122,5   4.823" | 162   6.378"    | 63   2.480"    |  |  |  |  |  |
| HSK-A63                | 48   1.890"                       | 22,5   0.886" | 63   2.480" | 113   4.449"     | 171,5   6.752" | 211   8.307"   | 139,5   5.492" | 179   7.047"    | 32   1.260"    |  |  |  |  |  |

Wechselschäfte werden mit Befestigungsschrauben (2 x 7145916) geliefert. Change shanks will be delivered with the according fastening screws (2 x 7145916).

| Kühlschmierstoff betriebene Schließeinrichtung<br>Coolant operating closing device |               |                                                              | KSE   CCD<br>Size 3<br>(F3/F34) |
|------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------|---------------------------------|
| Teil Nr.<br>Part No.                                                               | Stück<br>Qty. | Benennung<br>Part description                                | Ident No.                       |
| 1                                                                                  | 1             | Gehäuse<br>Housing                                           | 7137676                         |
| 2                                                                                  | 1             | Deckel<br>Cover plate                                        | 7137677                         |
| 3                                                                                  | 1             | Ringkolben<br>Curved piston                                  | 7137678                         |
| 4                                                                                  | 1             | Federlager<br>Spring bolt                                    | 7137679                         |
| 5                                                                                  | 1             | Späneschutz<br>Chip guard                                    | 7146737                         |
| 6                                                                                  | 1             | Dichtring<br>Ring sealing                                    | 7137674                         |
| 7                                                                                  | 1             | Druckfeder<br>Pressure spring                                | 7155154                         |
| 8                                                                                  | 1             | Zylinderstift<br>Cylindrical pin                             | 2142691                         |
| 9                                                                                  | 2             | Zylinderstift<br>Cylindrical pin                             | 2142688                         |
| 10                                                                                 | 4             | Schrauben<br>Screw                                           | 7123891                         |
| 11                                                                                 | 1             | L- und I-<br>Steckverbindung G1/8"<br>L- and I-Fitting G1/8" | 7167804-L<br>7167806-I          |
| 12                                                                                 | 2             | Schraube<br>Screw                                            | 7145916                         |

| Type                           | Ident No. |
|--------------------------------|-----------|
| KSE EVOLine Size 3<br>(F3/F34) | 7137675   |



1 Zylinderschaft  
Straight shank

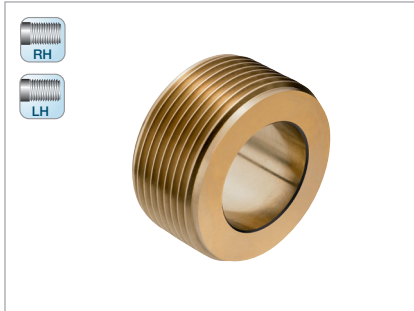
2 VDI-Schaft  
VDI shank

3 HSK-Schaft  
HSK shank

Andere (auf Anfrage)  
Others (upon request)

|  | L <sub>4</sub>  | L <sub>4a</sub> | L <sub>6</sub> | L <sub>9</sub> | L <sub>9a</sub>        | L <sub>10</sub> | m-Rs                      |
|--|-----------------|-----------------|----------------|----------------|------------------------|-----------------|---------------------------|
|  | —               | —               | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 0,34 kg appr. 0.75 lb |
|  | —               | —               | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 0,37 kg appr. 0.82 lb |
|  | —               | —               | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 0,34 kg appr. 0.75 lb |
|  | —               | —               | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 0,37 kg appr. 0.82 lb |
|  | —               | —               | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 0,4 kg appr. 0.88 lb  |
|  | 104,5   4.114 " | 144   5.669 "   | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 0,7 kg appr. 1.54 lb  |
|  | 107,5   4.232 " | 147   5.787 "   | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 0,94 kg appr. 2.07 lb |
|  | 156,5   6.161 " | 196   7.717 "   | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 1,42 kg appr. 3.13 lb |
|  | 101,5   3.996 " | 141   5.551 "   | 5   0.197 "    | 85,9   3.382 " | Individuell Individual | 9,1   0.358 "   | ca. 1 kg appr. 2.21 lb    |

m-Rs = Gewicht Schaft Weight shank



| MF                                                      |                      |                      |
|---------------------------------------------------------|----------------------|----------------------|
| Nennmaß x Steigung<br>Nominal size x pitch<br>mm   inch | Anlauf 1k<br>Lead 1k | Anlauf 2k<br>Lead 2k |
| Ident No.                                               |                      |                      |
| MF 12 ... 14 x 1                                        | 1516800              | 1516819              |
| MF 14 ... 16 x 1                                        | 1516828              | 1516837              |
| MF 16 ... 18 x 1                                        | 1516846              | 1516855              |
| MF 18 ... 20 x 1                                        | 1516864              | 1516882              |
| MF 16 ... 18 x 1,5                                      | 1517006              | 1517015              |
| MF 18 ... 20 x 1,5                                      | 1517042              | 1517060              |
| MF 20 ... 22 x 1,5                                      | 1517088              | 1517113              |
| MF 22 ... 24 <sup>1)</sup> x 1,5                        | 1517159              | 1517177              |
| MF 24 <sup>1)</sup> ... 27 <sup>1)</sup> x 1,5          | 1517195              | 1517202              |
| MF 27 <sup>1)</sup> ... 30 <sup>1)</sup> x 1,5          | 1517220              | 1517248              |

| UN UNF UNEF                                            |                      |                      |
|--------------------------------------------------------|----------------------|----------------------|
| Nennmaß x Gangzahl<br>auf 1 Zoll<br>Nominal size x TPI | Anlauf 1k<br>Lead 1k | Anlauf 2k<br>Lead 2k |
| Ident No.                                              |                      |                      |
| UNEF 1/2 -28                                           | 2243650              | 2243655              |
| UN 5/8 ... 11/16 -28                                   | 2165494              | 2246320              |
| UN 11/16 ... 3/4 -28                                   | 2246314              | 2246321              |
| UN 3/4 ... 13/16 -28                                   | 2246315              | 2246322              |
| UN 13/16 ... 7/8 -28                                   | 2246318              | 2246324              |
| UNEF 9/16 ... 5/8 -24                                  | 2243651              | 2243656              |
| UNEF 5/8 ... 11/16 -24                                 | 2240319              | 2243657              |
| UN 5/8 ... 11/16 -20                                   | 2246313              | 2246319              |
| UNEF 3/4 ... 13/16 -20                                 | 2243652              | 2243658              |
| UNEF 13/16 ... 7/8 -20                                 | 2166331              | 2166820              |
| UNEF 7/8 ... 15/16 <sup>1)</sup> -20                   | 2243653              | 2243659              |
| UNEF 15/16 <sup>1)</sup> ... 1 <sup>1)</sup> -20       | 2168615              | 2243660              |
| UNF 5/8 -18                                            | 1517505              | 1517514              |
| UNEF 11/16 <sup>1)</sup> ... 11/8 -18                  | 2243654              | 2243661              |
| UNF 11/16 ... 3/4 -16                                  | 2169256              | 2241532              |
| UNF 3/4 ... 13/16 -16                                  | 1517523              | 1517541              |
| UN 7/8 ... 15/16 <sup>1)</sup> -16                     | 2246317              | 2241474              |
| UNF 7/8 -14                                            | 1517550              | 1517569              |
| UN 7/8 ... 15/16 <sup>1)</sup> -12                     | 2246316              | 2246323              |
| UNF 1 <sup>1)</sup> -12                                | 1517578              | 1517587              |

| BSFS                                                   |                      |                      |
|--------------------------------------------------------|----------------------|----------------------|
| Nennmaß x Gangzahl<br>auf 1 Zoll<br>Nominal size x TPI | Anlauf 1k<br>Lead 1k | Anlauf 2k<br>Lead 2k |
| Ident No.                                              |                      |                      |
| BSFS 9/16 ... 5/8 -26                                  | 2243620              | 2243634              |
| BSFS 5/8 ... 11/16 -26                                 | 2243621              | 2243635              |
| BSFS 11/16 ... 3/4 -26                                 | 2243622              | 2243636              |
| BSFS 3/4 ... 13/16 -26                                 | 2243623              | 2243637              |
| BSFS 9/16 ... 5/8 -20                                  | 2243624              | 2243638              |
| BSFS 5/8 ... 11/16 -20                                 | 2243625              | 2243639              |
| BSFS 11/16 ... 3/4 -20                                 | 2243626              | 2243640              |
| BSFS 3/4 ... 13/16 -20                                 | 2243627              | 2243641              |
| BSFS 13/16 ... 7/8 <sup>1)</sup> -20                   | 2243629              | 2243642              |
| BSFS 7/8 <sup>1)</sup> ... 15/16 <sup>1)</sup> -20     | 2243630              | 2243643              |
| BSFS 15/16 <sup>1)</sup> ... 1 <sup>1)</sup> -20       | 2240197              | 2243644              |
| BSFS 11/16 ... 3/4 -16                                 | 2241703              | 2243645              |
| BSFS 3/4 ... 13/16 -16                                 | 2243631              | 2243646              |
| BSFS 11/8 <sup>1)</sup> -12                            | 2243632              | 2243647              |
| BSFS 11/16 <sup>1)</sup> -10                           | 2243633              | 2243648              |

| G                                                      |                      |                      |
|--------------------------------------------------------|----------------------|----------------------|
| Nennmaß x Gangzahl<br>auf 1 Zoll<br>Nominal size x TPI | Anlauf 1k<br>Lead 1k | Anlauf 2k<br>Lead 2k |
| Ident No.                                              |                      |                      |
| G 3/8 - 19                                             | 1517408              | 1517417              |
| G 1/2 ... 5/8 <sup>1)</sup> - 14                       | 1517435              | 1517444              |
| G 3/4 <sup>1)</sup> - 14                               | 1517462              | 1517471              |
| G 7/8 <sup>1)</sup> - 14                               | 2168006              | 2243649              |

| NPT                                                    |                      |
|--------------------------------------------------------|----------------------|
| Nennmaß x Gangzahl<br>auf 1 Zoll<br>Nominal size x TPI | Anlauf 1k<br>Lead 1k |
|                                                        | Ident No.            |
| NPT ¾ – 14                                             | 1517756              |
| NPT ½ – 14                                             | 1517738              |
| NPT ⅜ – 18                                             | 1517710              |

| NPTF                                                   |                      |           |
|--------------------------------------------------------|----------------------|-----------|
| Nennmaß x Gangzahl<br>auf 1 Zoll<br>Nominal size x TPI | Anlauf 1k<br>Lead 1k | Ident No. |
|                                                        |                      |           |
| NPTF 3/4 – 14                                          |                      | 1517774   |
| NPTF 1/2 – 14                                          |                      | 1517765   |
| NPTF 3/8 – 18                                          |                      | 2165391   |

<sup>1)</sup> Für Kurzgewinde bis 24 mm Länge einschließlich Auslauf.  
For short threads up to 24 mm/0.945" including runoff.

Die in einem Feld zusammengefassten Gewindeabmessungen können mit **einem** Satz Rollen gerollt werden.

Thread dimensions combined in one block can be rolled with **one** set of rolls.

| Rollkopf<br>Rolling head |               |                                                  | F34 EVO   | Rollkopf<br>Rolling head |               |                                           | F34 EVO                        |
|--------------------------|---------------|--------------------------------------------------|-----------|--------------------------|---------------|-------------------------------------------|--------------------------------|
| Teil Nr.<br>Part No.     | Stück<br>Qty. | Benennung<br>Part description                    | Ident No. | Teil Nr.<br>Part No.     | Stück<br>Qty. | Benennung<br>Part description             | Ident No.                      |
| 1                        | 1             | Kupplung<br>Clutch                               | 7146721   | 9-4                      | 1             | Schraube<br>Screw                         | 2237766                        |
| 2                        | 1             | Verstellgehäuse<br>Adjustment housing            | 7146722   | 10                       | 1             | Spiralfeder<br>Coil spring                | 2165032                        |
| 3                        | 1             | Zwischenplatte<br>Center plate                   | 7156357   | 11                       | 1             | Sicherungsring<br>Circlip                 | 2165033                        |
| 4                        | 1             | Frontplatte<br>Front plate                       | 7156358   | 12                       | 1             | Sicherungsring DIN 471<br>Circlip DIN 471 | 7132606                        |
| 5                        | 3             | Exzenterbolzen<br>Eccentric spindle              | 2165534   | 13                       | 3             | Hartmetall-Laufbuchse<br>Carbide bushing  | 2164887                        |
| 6                        | 3             | Distanzbolzen<br>Spacer stud                     | 7156359   | 14                       | 3             | Schraube<br>Screw                         | 7132607                        |
| 7                        | 1             | Mittelzahnrad<br>Center gear                     | 7156361   | 15                       | 3             | Hutmutter<br>Cover nut                    | 2143583                        |
| 8                        | 3             | Zahnrad<br>Spur gear                             | 7156362   | 16                       | 3             | Unterlegscheiben<br>Washer                | 2143366                        |
| 9                        | 1             | Schließschelle komplett<br>Closing clip complete | 7146730   | 17                       | 1             | Späneschutz<br>Chip guard                 | 7146725                        |
| 9-1                      | 1             | Schelle<br>Clip                                  | 7146731   | 18                       | 3             | Rolle<br>Roll                             | siehe Einzelfall<br>individual |
| 9-2                      | 1             | Handgriff<br>Hand grip                           | 7146732   | 19                       | 3             | Scheibe<br>Washer                         | 2165539                        |
| 9-3                      | 1             | Gewindestift<br>Threaded pin                     | 7146733   |                          |               |                                           |                                |

