



## 8 Ersatzteile - Spare parts - MB4

### 8.1 Ersatzteilbestellung - Ordering spare parts

Bitte geben Sie folgendes an - Please indicate the following :

- Seriennummer - *Serial No.*
- Maschinenbezeichnung - *Machines name*
- Herstellungsdatum - *Date of manufacture*
- Artikelnummer - *Article no.*

Die Artikelnummer befindet sich in der Ersatzteilliste. *The article no. is located in the spare parts list.*

Die Seriennummer befindet sich am Typenschild. *The serial no. is on the type plate.*

### 8.2 Fräskopf 1 von 6 - Milling head 1 of 6

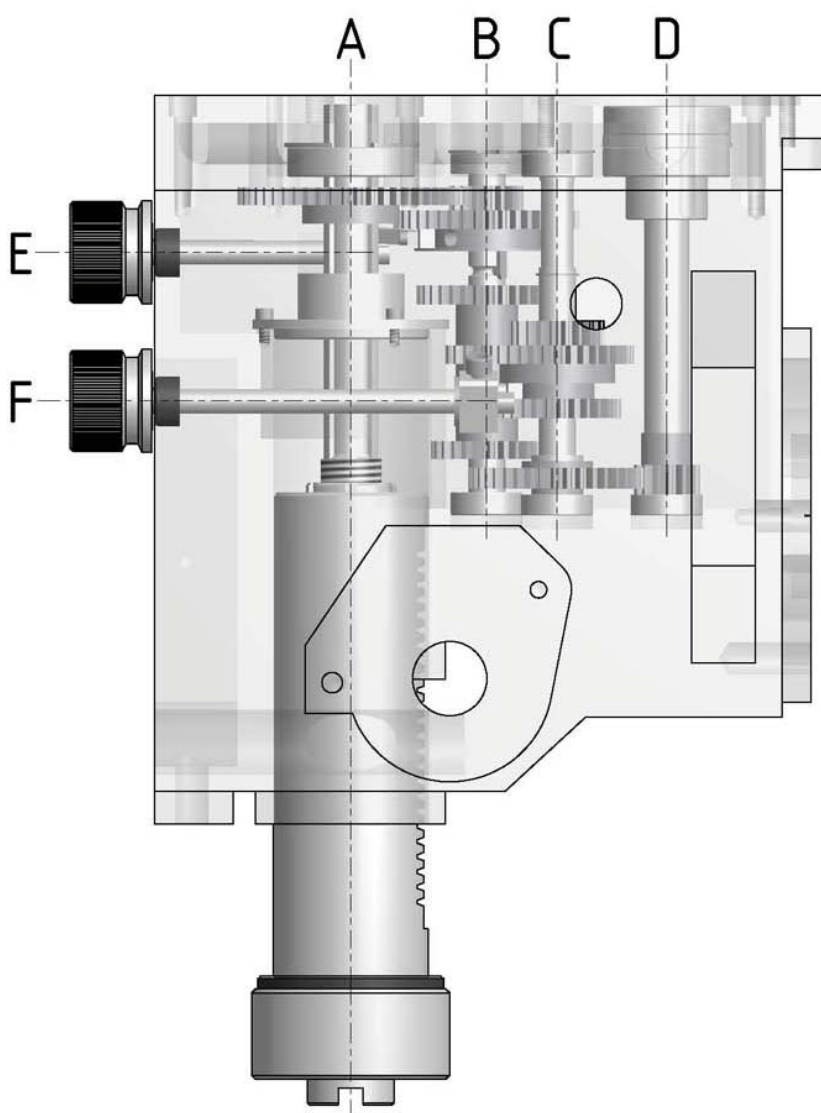


Abb.8-1: Fräskopf 1 von 6 - Milling head 1 von 6



## 8.3 Fräskopf 2 von 6 - Milling head 2 of 6

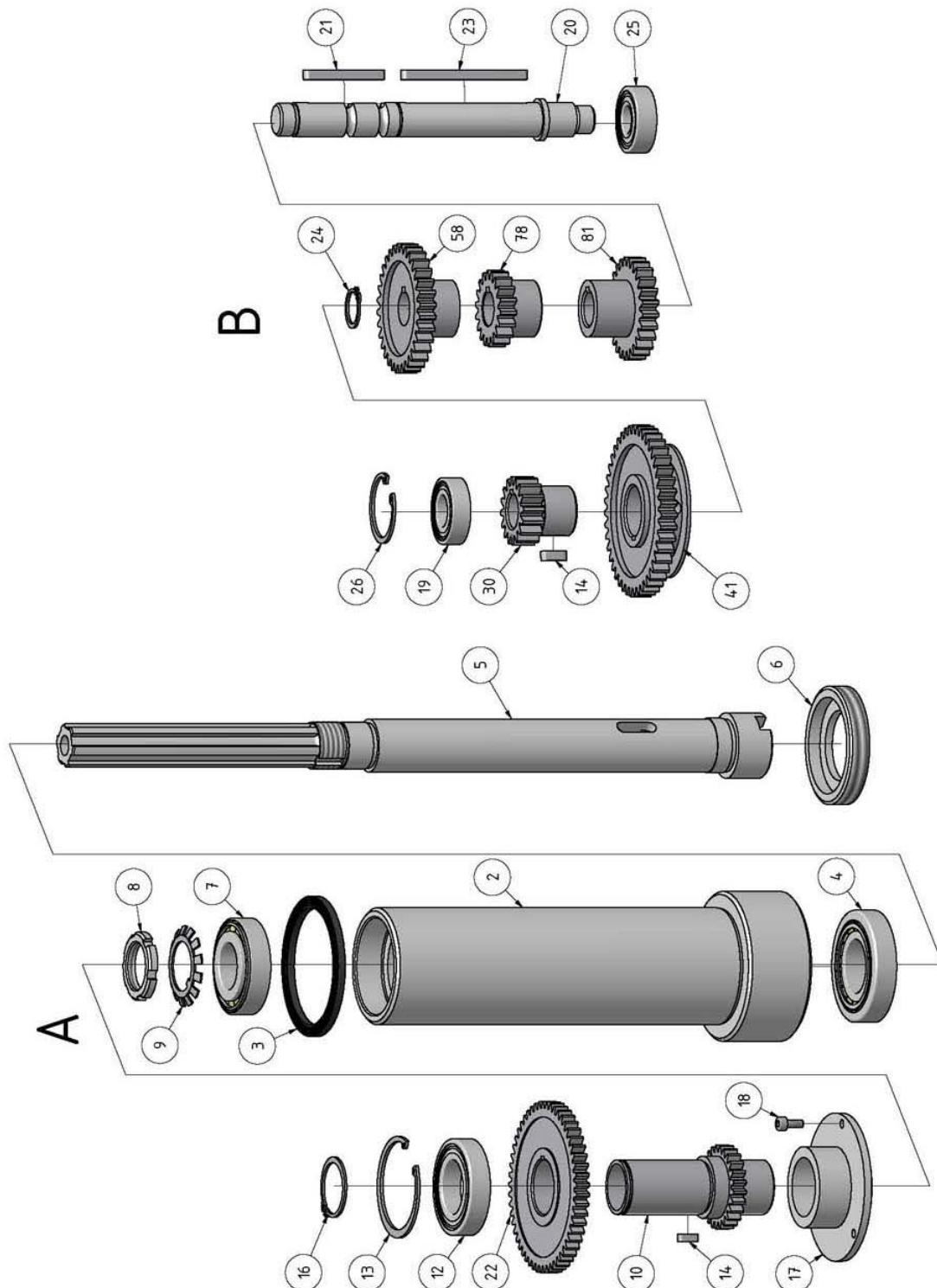


Abb.8-2: Fräskopf 2 von 6 - Milling head 2 von 6

## 8.4 Fräskopf 3 von 6 - Milling head 3 of 6

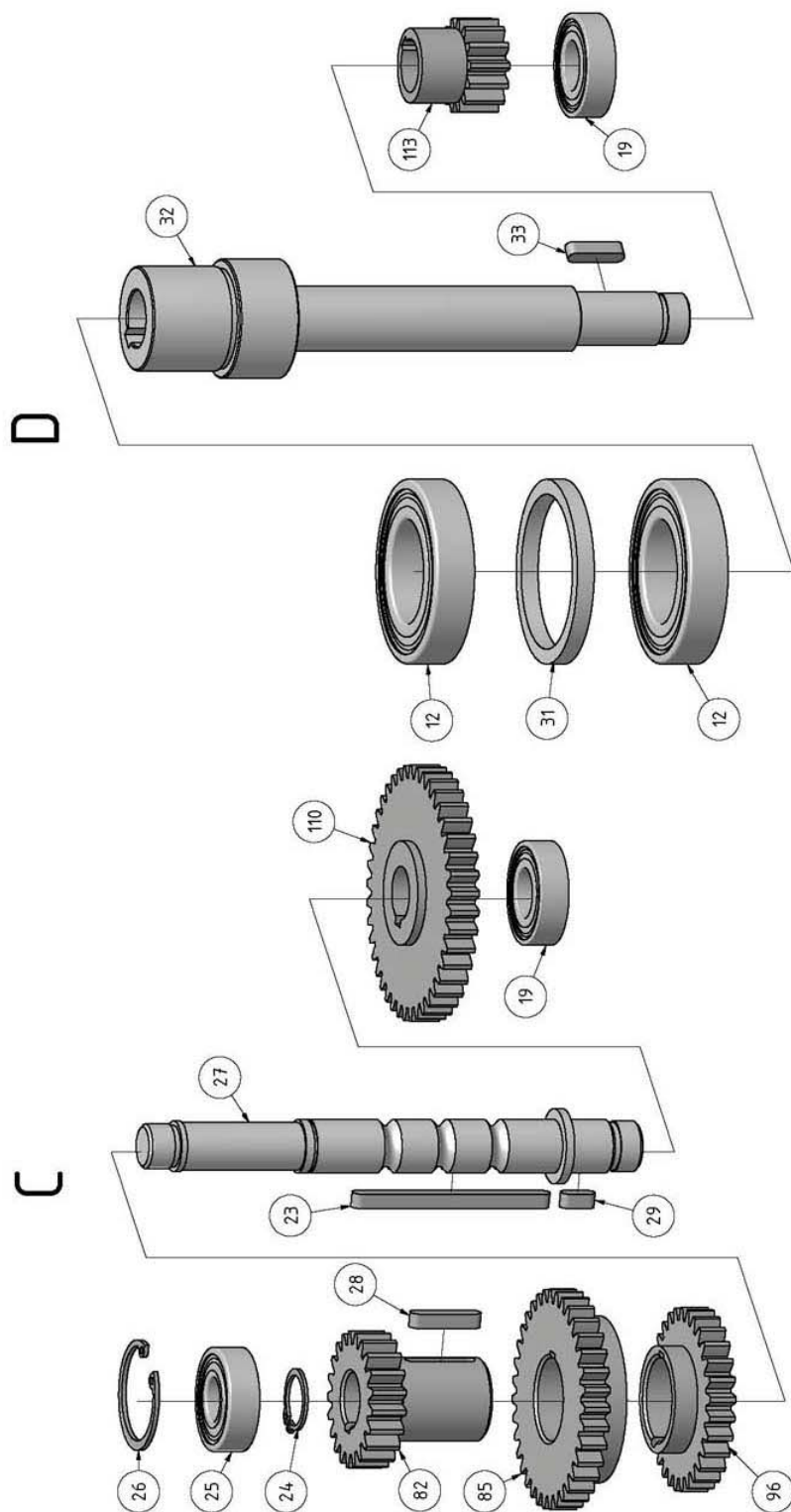


Abb.8-3: Fräskopf 3 von 6 - Milling head 3 von 6



## 8.5 Fräskopf 4 von 6 - Milling head 4 of 6

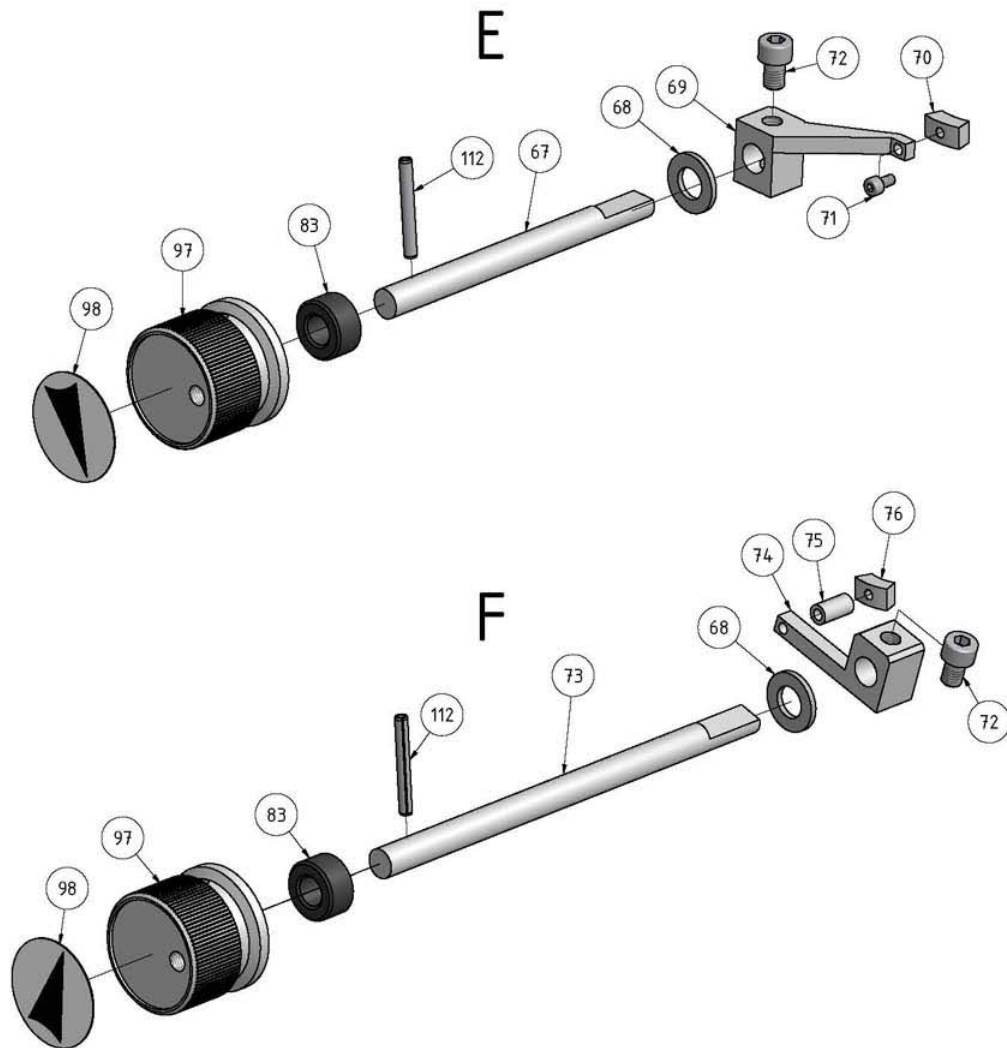


Abb.8-4: Fräskopf 4 von 6 - Milling head 4 von 6

## 8.6 Fräskopf 5 von 6 - Milling head 5 of 6

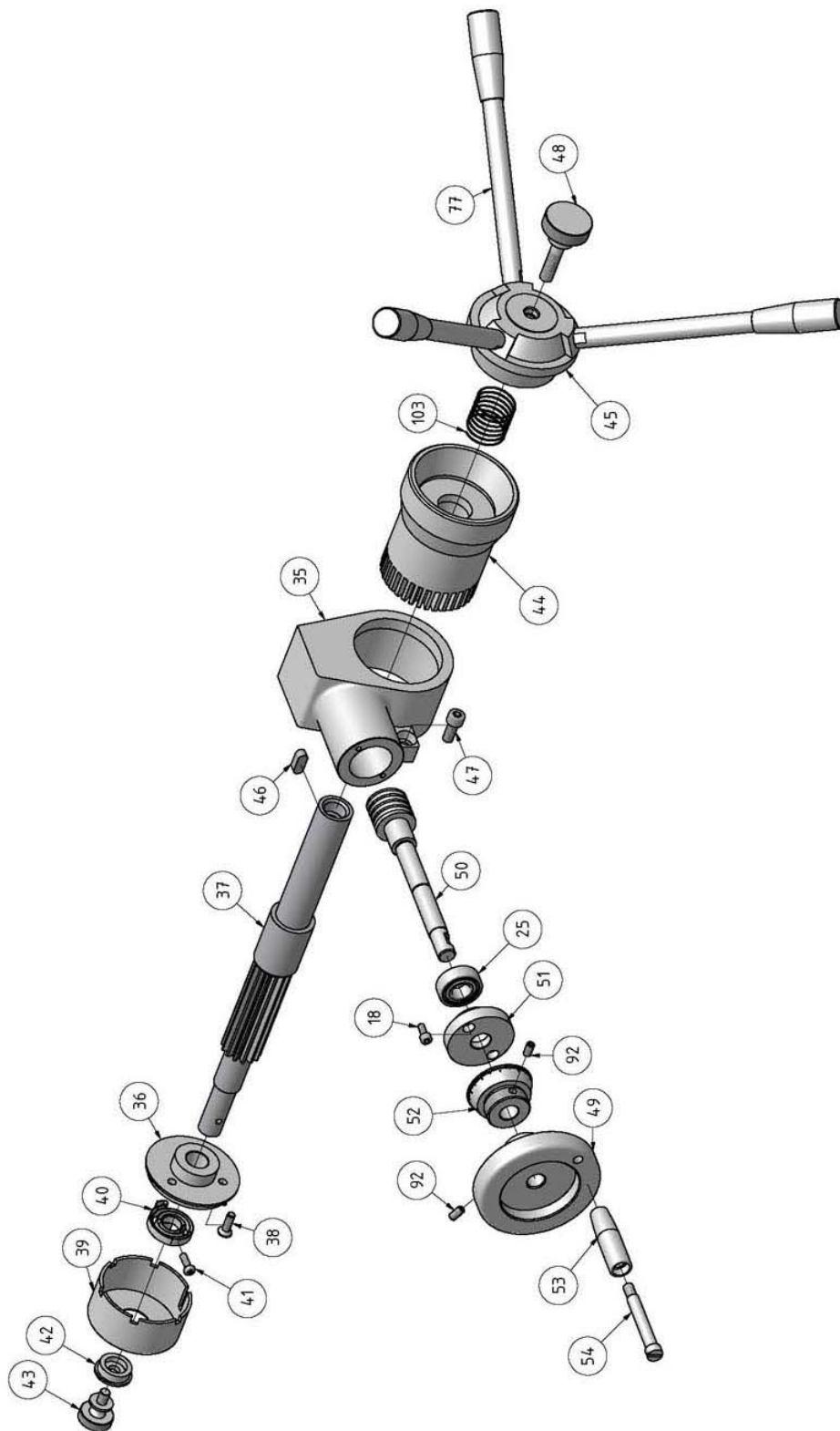


Abb.8-5: Fräskopf 5 von 6 - Milling head 5 von 6



## 8.7 Fräskopf 6 von 6 - Milling head 6 of 6

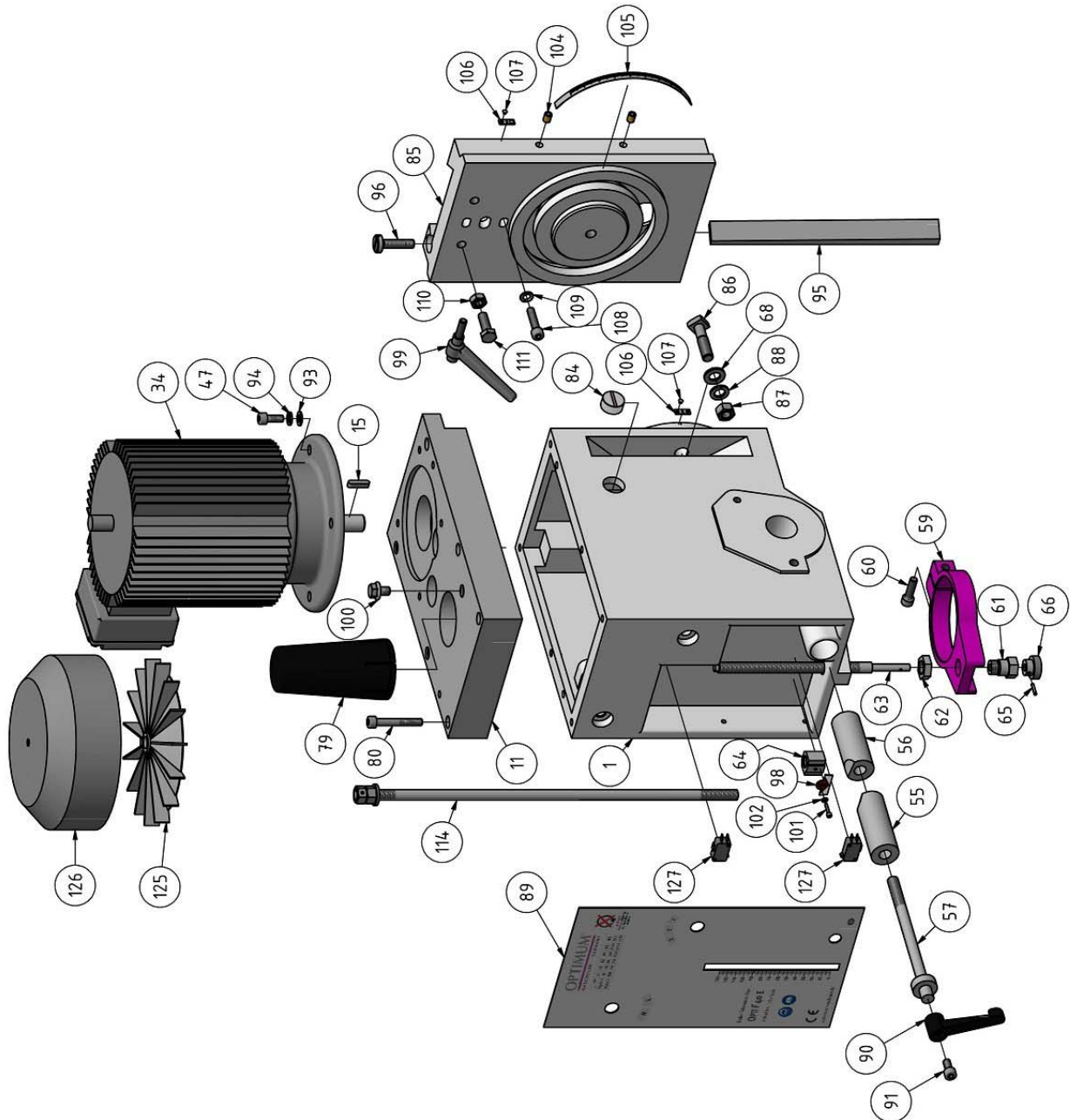


Abb.8-6: Fräskopf 6 von 6 - Milling head 6 von 6

## 8.8 Fräsfutterschutz - Milling chuck protection

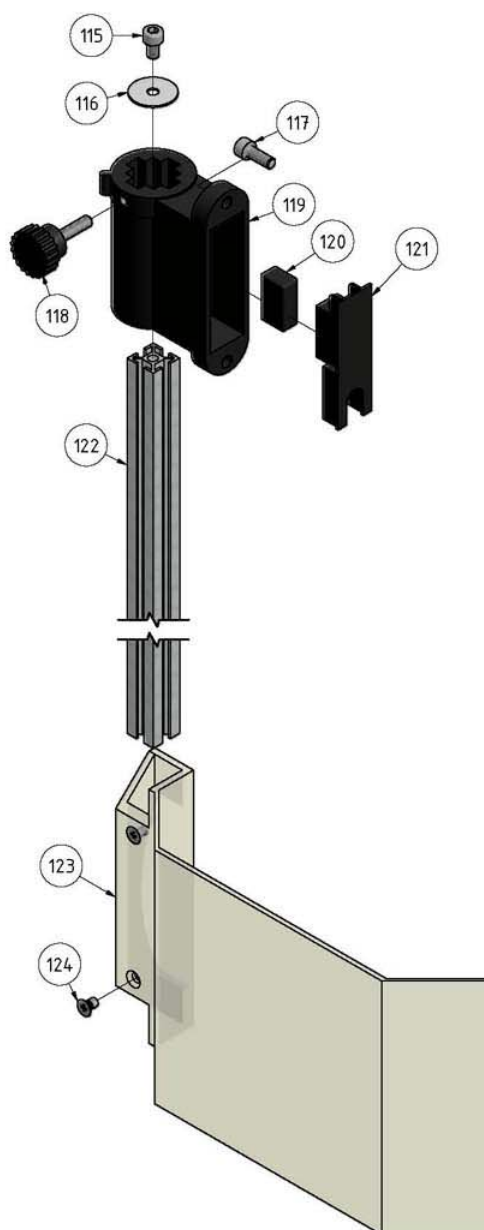


Abb.8-7: Fräsfutterschutz - Milling chuck protection





## 8.8.1 Teileliste Fräskopf - Parts list milling head

| Pos. | Bezeichnung            | Designation          | Menge | Grösse                | Artikel-<br>nummer |
|------|------------------------|----------------------|-------|-----------------------|--------------------|
|      |                        |                      | Qty.  | Size                  | Item no.           |
| 1    | Gehäuse                | Housing              | 1     |                       | 0333 845001        |
| 2    | Pinole                 | Sleeve               | 1     |                       | 0333 845002        |
| 3    | Dichtung               | Seal                 | 1     |                       | 0333 845003        |
| 4    | Kegelrollenlager       | Taper roller bearing | 1     | 30207 J2_Q            | 04030207           |
| 5    | Frässpindel            | Milling spindle      | 1     |                       | 0333 845005        |
| 6    | Klemmmutter            | Clamping nut         | 1     |                       | 0333 845006        |
| 7    | Kegelrollenlager       | Taper roller bearing | 1     | 30206 J2_Q            | 04030206           |
| 8    | Nutmutter              | Grooved nut          | 1     |                       | 0333 845008        |
| 9    | Sicherungsscheibe      | Safety washer        | 1     | DIN 981 - MB6.4       |                    |
| 10   | Zahnrad                | Gear                 | 1     |                       | 0333 845010        |
| 11   | Platte                 | Plate                | 1     |                       | 0333 845011        |
| 12   | Kugellager             | Ball bearing         | 3     | 6007-2Z               | 0406007.2R         |
| 13   | Sicherungsring         | Retaining ring       | 1     | DIN 472 - 62 x 2      |                    |
| 14   | Passfeder              | Fitting key          | 2     | DIN 6885/5x5x14       |                    |
| 15   | Passfeder              | Fitting key          | 1     | DIN 6885/6x20         |                    |
| 16   | Sicherungsring         | Retaining ring       | 1     | DIN 471 - 35x1,5      |                    |
| 17   | Flansch                | Flange               | 1     |                       | 0333 845017        |
| 18   | Innensechskantschraube | Hexagon socket screw | 5     | ISO 4762 - M5x12      |                    |
| 19   | Kugellager             | Ball bearing         | 3     | 6003-2Z               | 0406003.2R         |
| 20   | Welle                  | Shaft                | 1     |                       | 0333 845020        |
| 21   | Passfeder              | Fitting key          | 1     | DIN 6885 - 5x5x45     |                    |
| 22   | Zahnrad                | Gear                 | 1     |                       | 0333 845022        |
| 23   | Passfeder              | Fitting key          | 2     | DIN 6885/5x 5x50      |                    |
| 24   | Sicherungsring         | Retaining ring       | 2     | DIN 471 - 18x1,2      |                    |
| 25   | Kugellager             | Ball bearing         | 3     | 6202-2RSL             | 0406202.2R         |
| 26   | Sicherungsring         | Retaining ring       | 2     | DIN 472 - 35 x 1,5    |                    |
| 27   | Welle                  | Shaft                | 1     |                       | 0333 845027        |
| 28   | Passfeder              | Fitting key          | 1     | DIN 6885 - 5 x 5 x 25 |                    |
| 29   | Passfeder              | Fitting key          | 1     | DIN 6885 - 5 x 5 x 12 |                    |
| 30   | Zahnrad                | Gear                 | 1     |                       | 0333 845030        |
| 31   | Abstandring            | Spacer ring          | 1     |                       | 0333 845031        |
| 32   | Welle                  | Shaft                | 1     |                       | 0333 845032        |
| 33   | Passfeder              | Fitting key          | 1     | DIN 6885 - 5 x 5 x 20 |                    |
| 34   | Motor                  | Motor                | 1     |                       | 0333 845034        |
| 35   | Gehäuse                | Housing              | 1     |                       | 0333 845035        |
| 36   | Flansch                | Flange               | 1     |                       | 0333 845036        |
| 37   | Welle                  | Shaft                | 1     |                       | 0333 845037        |
| 38   | Schraube               | Screw                | 3     | ISO 10642 - M6x20     |                    |
| 39   | Gehäuse                | Housing              | 1     |                       | 0333 845039        |
| 40   | Feder                  | Spring               | 1     |                       | 0333 845040        |
| 41   | Zahnrad                | Gear                 | 1     |                       | 0333 845041        |
| 42   | Buchse                 | Bush                 | 1     |                       | 0333 845042        |
| 43   | Schraube               | Screw                | 1     |                       | 0333 845043        |
| 44   | Schneckenrad           | Worm gear            | 1     |                       | 0333 845044        |
| 45   | Nabe                   | Handle base          | 1     |                       | 0333 845045        |
| 46   | Passfeder              | Fitting key          | 1     | DIN 6885 - 8 x 7 x 20 |                    |
| 47   | Innensechskantschraube | Hexagon socket screw | 6     | ISO 4762 - M8 x 20    |                    |
| 48   | Griffschraube          | Screw                | 1     |                       | 0333 845048        |
| 49   | Handrad                | Handle               | 1     |                       | 0333 845049        |
| 50   | Welle                  | Shaft                | 1     |                       | 0333 845050        |
| 51   | Flansch                | Flange               | 1     |                       | 0333 845051        |
| 52   | Skalenring             | Scale ring           | 1     |                       | 0333 845052        |
| 53   | Griff                  | Grip                 | 1     |                       | 0333 845053        |
| 54   | Griffschraube          | Grip screw           | 1     |                       | 0333 845054        |
| 55   | Klemmbolzen            | Clamping bolt        | 1     |                       | 0333 845055        |
| 56   | Klemmbolzen            | Clamping bolt        | 1     |                       | 0333 845056        |
| 57   | Schraube               | Screw                | 1     |                       | 0333 845057        |
| 58   | Zahnrad                | Gear                 | 1     |                       | 0333 845058        |
| 59   | Halter                 | Holder               | 1     |                       | 0333 845059        |
| 60   | Innensechskantschraube | Hexagon socket screw | 1     | ISO 4762 - M8 x 30    |                    |
| 61   | Buchse                 | Bushing              | 1     |                       | 0333 845061        |
| 62   | Sechskantmutter        | Hexagon screw        | 1     |                       | 0333 845062        |
| 63   | Gewindestange          | Graduated rod        | 1     |                       | 0333 845063        |
| 64   | Endanschlag            | Limited block        | 1     |                       | 0333 845064        |
| 65   | Spannstift             | Spring pin           | 1     | 3 X 16                |                    |
| 66   | Schraube               | Screw                | 1     |                       | 0333 845066        |
| 67   | Welle                  | Shaft                | 1     |                       | 0333 845067        |
| 68   | Scheibe                | Washer               | 4     | DIN 125 - A 13        |                    |
| 69   | Schalthebel            | Control lever        | 1     |                       | 0333 845069        |





| Pos. | Bezeichnung            | Designation            | Menge | Grösse              | Artikel-<br>nummer<br>Item no. |
|------|------------------------|------------------------|-------|---------------------|--------------------------------|
|      |                        |                        | Qty.  | Size                |                                |
| 70   | Platte                 | Plate                  | 1     |                     | 0333 845070                    |
| 71   | Innensechskantschraube | Hexagon socket screw   | 1     | ISO 4762 - M4 x 8   |                                |
| 72   | Innensechskantschraube | Hexagon socket screw   | 2     | ISO 4762 - M8 x 12  |                                |
| 73   | Welle                  | Shaft                  | 1     |                     | 0333 845073                    |
| 74   | Schalthebel            | Control lever          | 1     |                     | 0333 845074                    |
| 75   | Hülse                  | Sleeve                 | 1     |                     | 0333 845075                    |
| 76   | Platte                 | Plate                  | 1     |                     | 0333 845076                    |
| 77   | Hebel                  | Lever                  | 3     |                     | 0333 845077                    |
| 78   | Zahnrad                | Gear                   | 1     |                     | 0333 845078                    |
| 79   | Abdeckung              | Cover cap              | 1     |                     | 0333 845079                    |
| 80   | Innensechskantschraube | Hexagon screw          | 6     | ISO 4762 - M8 x 55  |                                |
| 81   | Zahnrad                | Gear                   | 1     |                     | 0333 845081                    |
| 82   | Zahnrad                | Gear                   | 1     |                     | 0333 845082                    |
| 83   | Dichtung               | Seal                   | 2     |                     | 0333 845083                    |
| 84   | Ölschauglas            | Oil glass              | 1     |                     | 0333 845084                    |
| 85   | Zahnrad                | Gear                   | 1     |                     | 0333 845085                    |
| 86   | Vierkantschraube       | Square head bolt       | 2     | M12-50              |                                |
| 87   | Sechskantmutter        | Hexagon nut            | 2     | ISO 4032 - M12      |                                |
| 88   | Federring              | Spring ring            | 2     | DIN 127 - A 12      |                                |
| 89   | Label                  | Label                  | 1     |                     | 0333 845089                    |
| 90   | Hebel                  | Lever                  | 1     |                     | 0333 845090                    |
| 91   | Innensechskantschraube | Hexagon socket screw   | 1     | ISO 4762 - M8 x 16  |                                |
| 92   | Gewindestift           | Grub screw             | 2     | ISO 4026 - M6 x 12  |                                |
| 93   | Scheibe                | Washer                 | 4     | DIN 125 - A 8,4     |                                |
| 94   | Federring              | Spring ring            | 4     | DIN 127 - A 8       |                                |
| 95   | Keilleiste             | Taper gib              | 1     |                     | 0333 845095                    |
| 96   | Zahnrad                | Gear                   | 1     |                     | 0333 845096                    |
| 97   | Schaltknopf            | Control knob           | 2     |                     | 0333 845097                    |
| 98   | Zeiger                 | Indicator              | 3     |                     |                                |
| 99   | Spannhebel             | Clamping lever         | 2     | JB-T7270.12-1994    | 0333 845099                    |
| 100  | Sechskantschraube      | Hexagon screw          | 1     |                     | 0333 8450100                   |
| 101  | Innensechskantschraube | Hexagon socket screw   | 1     | ISO 4762 - M3 x 16  |                                |
| 102  | Scheibe                | Washer                 | 1     | DIN 125 - A 3,2     |                                |
| 103  | Feder                  | Spring                 | 1     |                     | 0333 8450103                   |
| 104  | Schmiernippel          | Lubrication cup        | 4     | 8                   |                                |
| 105  | Skale                  | Scale                  | 1     |                     | 0333 8450105                   |
| 106  | Zeiger                 | Indicator              | 2     |                     | 0333 8450106                   |
| 107  | Niet                   | Rivet                  | 4     |                     |                                |
| 108  | Innensechskantschraube | Hexagon socket screw   | 3     | ISO 4762 - M8 x 35  |                                |
| 109  | Federring              | Spring ring            | 3     | DIN 128 - A8        |                                |
| 110  | Zahnrad                | Gear                   | 1     |                     | 0333 8450110                   |
| 111  | Sechskantschraube      | Hexagon screw          | 2     | ISO 4017 - M10 x 30 |                                |
| 112  | Spannstift             | Spring pin             | 2     | ISO 8752 - 5 x 40   |                                |
| 113  | Zahnrad                | Gear                   | 1     |                     | 0333 8450113                   |
| 114  | Anzugstange            | Drawin bar             | 1     |                     | 0333 8450114                   |
| 115  | Innensechskantschraube | Socket head screw      | 1     | GB 70-85 - M6 x 10  |                                |
| 116  | Scheibe                | Washer                 | 1     |                     | 0333 8450116                   |
| 117  | Innensechskantschraube | Socket head screw      | 2     | GB 70-85 - M6 x 16  |                                |
| 118  | Rändelschraube         | Knurled screw          | 1     |                     | 0333 8450118                   |
| 119  | Halterung              | Fixture                | 1     |                     | 0333 8450119                   |
| 120  | Mikroschalter          | Microswitch            | 1     |                     | 0333 8450120                   |
| 121  | Platte                 | Plate                  | 1     |                     | 0333 8450121                   |
| 122  | Alu- Profil            | Aluminium profile      | 1     |                     | 0333 8450122                   |
| 123  | Bohrfutterschutz       | Drill chuck protection | 1     |                     | 0333 8450123                   |
| 124  | Schraube               | Screw                  | 2     | GB819-85/M5x8       |                                |
| 125  | Lüfter                 | Fan                    | 1     |                     | 0333 8450125                   |
| 126  | Deckel                 | Cover                  | 1     |                     | 0333 8450126                   |
| 127  | Mikroschalter          | Micro switch           | 2     | JUCHE LXW16-16/51C  | 03338450127                    |



## 8.9 Säule, Kreuztisch - Column, cross table

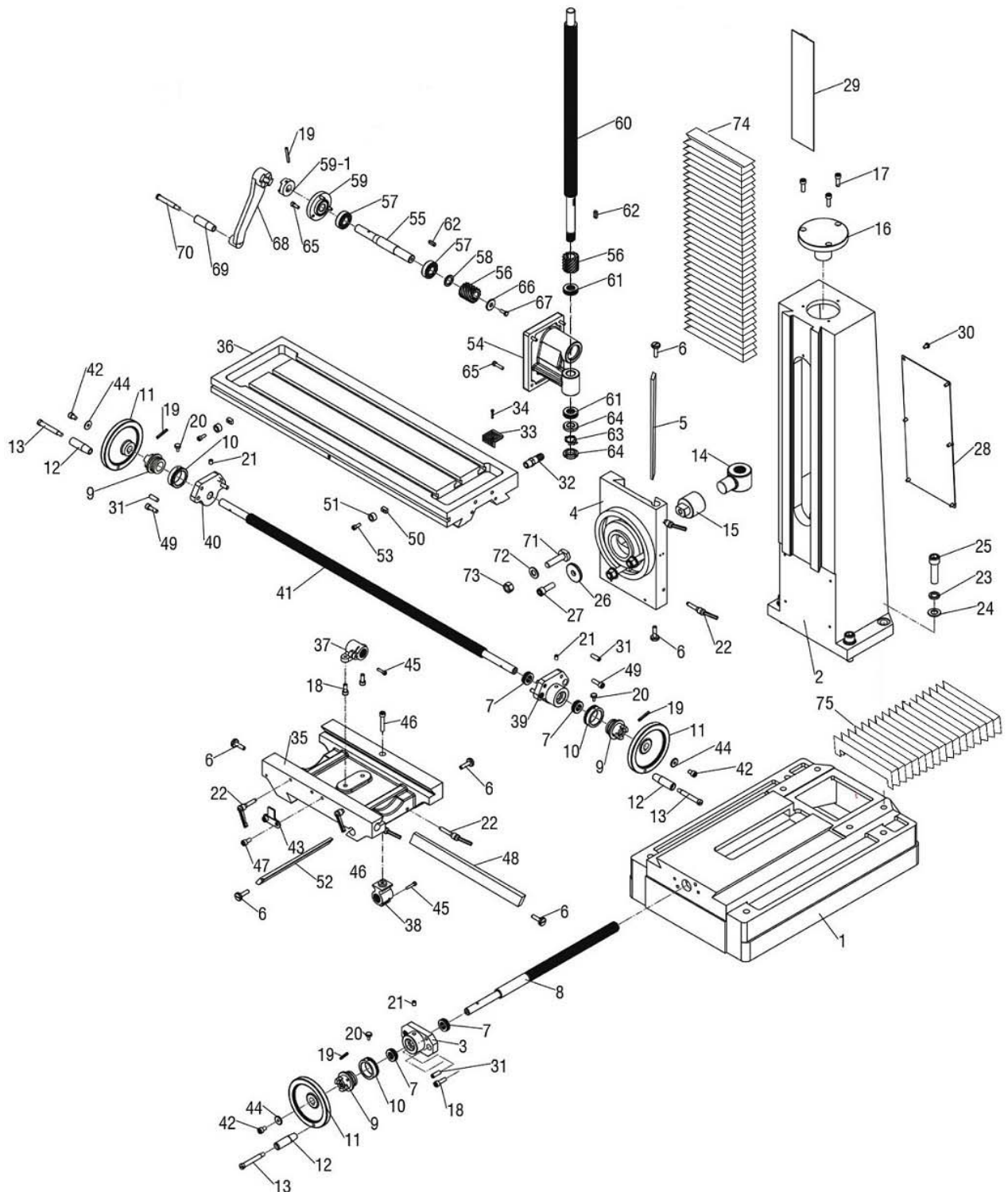


Abb.8-8: Säule, Kreuztisch - Column, cross table



## Ersatzteilliste Kreutztisch - Spare parts list cross table

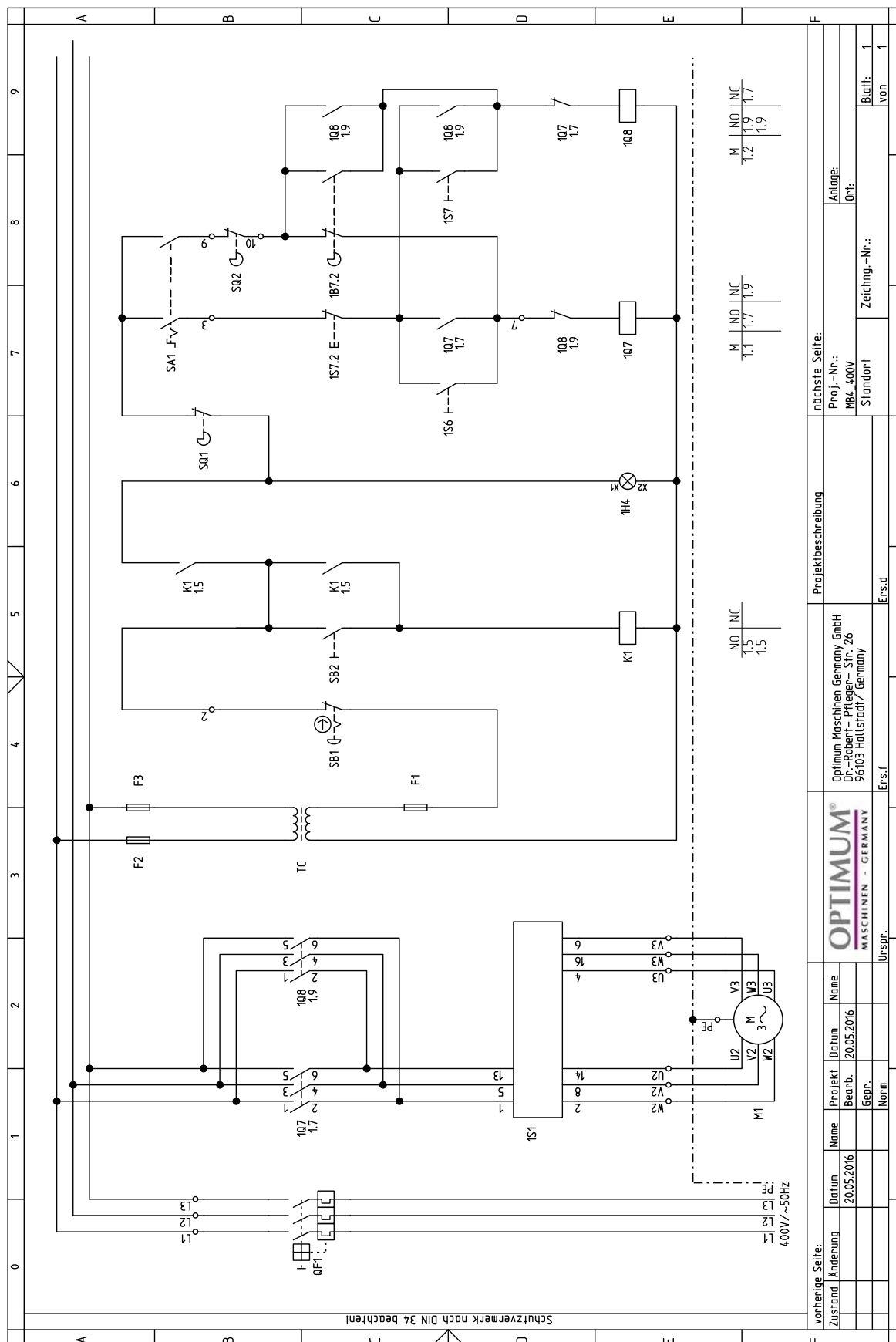
| Pos. | Bezeichnung    | Designation         | Menge | Grösse<br>Size | Artikelnummer<br>Item no. |
|------|----------------|---------------------|-------|----------------|---------------------------|
|      |                |                     | Qty.  |                |                           |
| 1    | Maschinenfuss  | base                | 1     |                | 03338460 301              |
| 2    | Säule          | column              | 1     |                | 03338460 302              |
| 3    | Flansch        | square flange       | 1     |                | 03338460 303              |
| 4    | Führung        | Guide               | 1     |                | 03338460 304              |
| 5    | Keilleiste     | gib strip           | 1     |                | 03338460 305              |
| 6    | Schraube       | screw               | 3     |                | 03338460 306              |
| 7    | Kugellager     | bearing             | 4     |                | 03338460 307              |
| 8    | Spindel        | table screw         | 1     |                | 03338460 308              |
| 9    | Kupplung       | dial clutch         | 2     |                | 03338460 309              |
| 10   | Skalenring     | Scale ring          | 2     |                | 03338460 310              |
| 11   | Handrad        | wheel               | 3     |                | 03338460 311              |
| 12   | Handhebel      | Handle lever        | 3     |                | 03338460 312              |
| 13   | Schraube       | screw               | 3     |                | 03338460 313              |
| 14   | Spindelmutter  | Spindle nut         | 1     |                | 03338460 314              |
| 15   | Halter         | nut bracket         | 1     |                | 03338460 315              |
| 16   | Abdeckung      | cover               | 1     |                | 03338460 316              |
| 17   | Schraube       | screw               | 3     | M8x20          | 03338460 317              |
| 18   | Schraube       | screw               | 4     | M8x25          | 03338460 318              |
| 19   | Stift          | pin                 | 3     | 5x35           | 03338460 319              |
| 20   | Schraube       | screw               | 2     |                | 03338460 320              |
| 21   | Schmiernippel  | oil cup             | 3     | 8              | 03338460 321              |
| 22   | Klemmhebel     | fixed handle        | 6     |                | 03338460 322              |
| 23   | Scheibe        | washer              | 4     | 16             | 03338460 323              |
| 24   | Scheibe        | washer              | 4     | 16             | 03338460 324              |
| 25   | Schraube       | Screw               | 4     | M16x60         | 03338460 325              |
| 26   | Scheibe        | washer              | 1     |                | 03338460 326              |
| 27   | Schraube       | screw               | 1     | M12x35         | 03338460 327              |
| 28   | Platte         | plate               | 1     |                | 03338460 328              |
| 29   | Abdeckung      | protecting cover    | 1     |                | 03338460 329              |
| 30   | Schraube       | screw               | 6     | M6x12          | 03338460 330              |
| 31   | Stift          | pin                 | 6     | 8x30           | 03338460 331              |
| 32   | Anschluss      | Plug                | 1     |                |                           |
| 33   | Platte         | Plate               | 1     |                |                           |
| 34   | Schraube       | Screw               | 1     |                |                           |
| 35   | Schliitten     | Slide               | 1     |                | 03338460 335              |
| 36   | Frästisch      | table               | 1     |                | 03338460 336              |
| 37   | Spindelmutter  | table nut           | 1     |                | 03338460 337              |
| 38   | Spindelmutter  | table base nut      | 1     |                | 03338460 338              |
| 39   | Flansch        | right flange        | 1     |                | 03338460 339              |
| 40   | Flansch        | left flange         | 1     |                | 03338460 340              |
| 41   | Spindel        | table screw         | 1     |                | 03338460 341              |
| 42   | Schraube       | Screw               | 1     | M6x16          | 03338460 342              |
| 43   | Anzeige        | Dial clutch         | 1     |                | 03338460 343              |
| 44   | Scheibe        | washer              | 2     | 6              | 03338460 344              |
| 45   | Schraube       | screw               | 2     | M5x20          | 03338460 345              |
| 46   | Schraube       | screw               | 1     | M8x45          | 03338460 346              |
| 47   | Schraube       | screw               | 2     | M8x15          | 03338460 347              |
| 48   | Keilleiste     | gib strip           | 1     |                | 03338460 348              |
| 49   | Schraube       | screw               | 4     | M8x25          | 03338460 349              |
| 50   | Block          | movable fixed block | 2     |                | 03338460 350              |
| 51   | Anschlag       | fixed block support | 2     |                | 03338460 351              |
| 52   | Keilleiste     | gib strip           | 1     |                | 03338460 352              |
| 53   | Schraube       | screw               | 2     | M6x16          | 03338460 353              |
| 54   | Lagerbock      | Lagerbock           | 1     |                | 03338460 354              |
| 55   | Welle          | shaft               | 1     |                | 03338460 355              |
| 56   | Zahnrad        | gear                | 2     |                | 03338460 356              |
| 57   | Kugellager     | bearing             | 2     | 6004.2Z        | 03338460 357              |
| 58   | Sicherungsring | retaining ring      | 1     |                | 03338460 358              |
| 59   | Flansch        | flange              | 1     |                | 03338460 359              |
| 59-1 | Kupplung       | Clutch              | 1     |                | 03338460 3591             |
| 60   | Spindel        | Spindle             | 1     |                | 03338460 360              |
| 61   | Kugellager     | bearing             | 2     | 51104          | 04051104                  |
| 62   | Passfeder      | key                 | 2     | 6x20           | 03338460 362              |
| 63   | Sicherungsring | lock washer         | 1     | 20             | 03338460 363              |
| 64   | Klemmmutter    | lock nut            | 1     | M20x1,5        | 03338460 364              |
| 65   | Schraube       | screw               | 7     | M6x20          | 03338460 365              |
| 66   | Scheibe        | Washer              | 2     |                | 03338460 366              |
| 67   | Schraube       | Screw               | 1     | M6x16          | 03338460 367              |



## Ersatzteilliste Kreutztisch - Spare parts list cross table

| Pos. | Bezeichnung     | Designation | Menge | Grösse | Artikelnummer |
|------|-----------------|-------------|-------|--------|---------------|
|      |                 |             | Qty.  | Size   | Item no.      |
| 68   | Schraube        | screw       | 1     |        | 03338460 368  |
| 69   | Handhebel       | turn handle | 1     |        | 03338460 369  |
| 70   | Schraube        | Screw       | 1     |        |               |
| 71   | Schraube        | Screw       | 3     | M14x55 |               |
| 72   | Scheibe         | Washer      | 3     | 14     |               |
| 73   | Sechskantmutter | Hexagon nut | 3     | M14    |               |
| 74   | Faltenbalg      | Gaiter      | 1     |        | 03338450640   |
| 75   | Faltenbalg      | Gaiter      | 1     |        | 03338450641   |

## 8.10 Schaltplan Drehstromantrieb - Wiring diagram three-phase drive

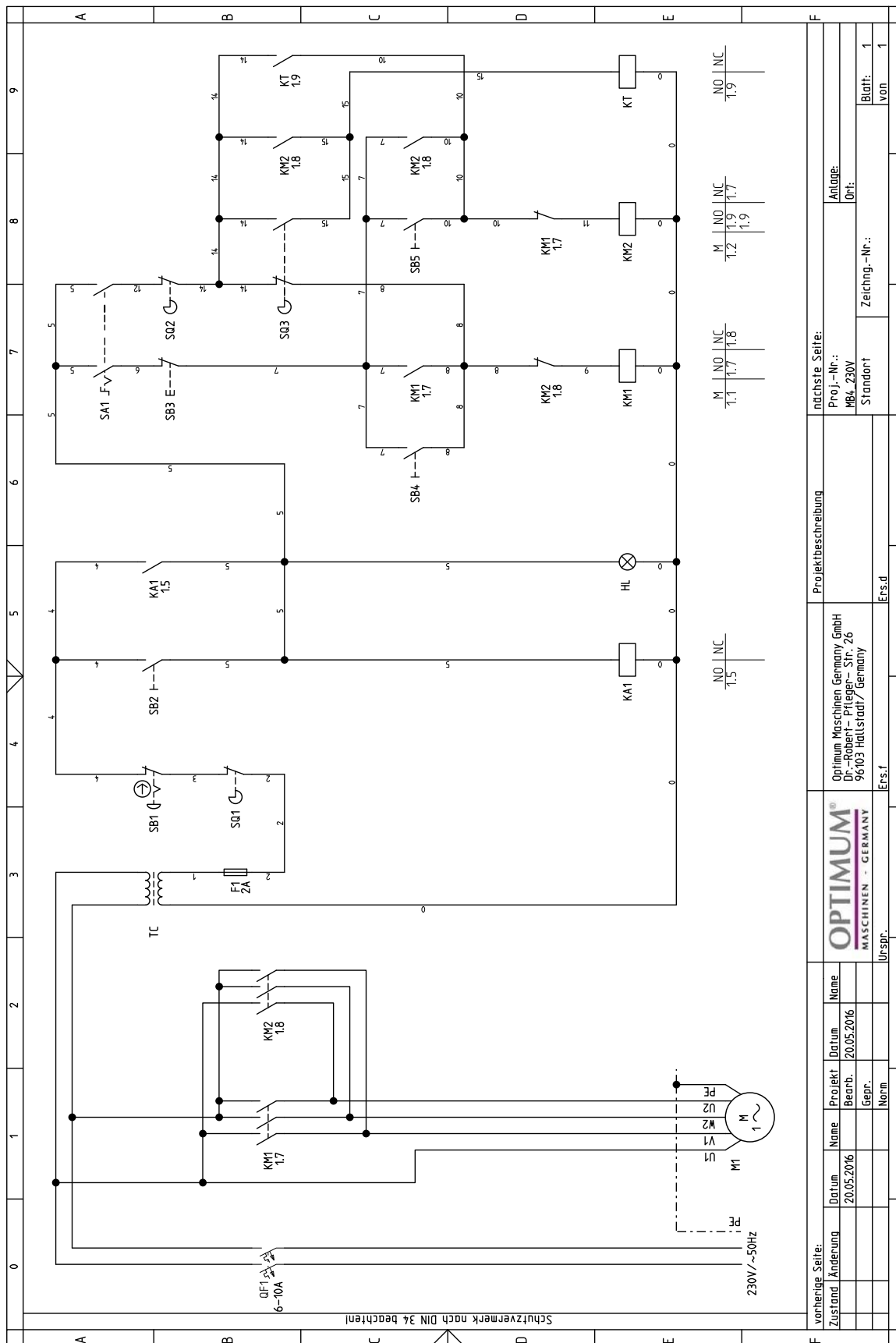




## 8.10.1 Teileliste Elektrik - Parts list electrical components

| Pos.  | Bezeichnung                   | Designation              | Menge | Grösse | Artikel-<br>nummer |
|-------|-------------------------------|--------------------------|-------|--------|--------------------|
|       |                               |                          | Qty.  | Size   | Item no.           |
| 1B5   | Sicherheitschalter Frässchutz | Mill chuck safety switch | 1     |        | 033384501B5        |
| 1B7.1 | Endschalter oben              | Top end switch           | 2     |        | 033384501B7.1      |
| 1B7.2 | Endschalter unten             | Below end switch         |       |        |                    |
| 1F0   | Schutzschalter                | Safety switch            | 1     |        | 033384501F0        |
| 1F3   | Sicherung                     | Fuse                     | 1     |        | 033384501F3        |
| 1F4.1 | Sicherung                     | Fuse                     | 1     |        | 033384501F4.1      |
| 1F4.2 | Sicherung                     | Fuse                     | 1     |        | 033384501F4.2      |
| 1H4   | Lampe Betriebsleuchte         | Work light lamp          | 1     |        | 033384501H4        |
| 1M1   | Motor                         | Motor                    | 1     |        | 033384501M1        |
| 1Q7   | Motorschütz                   | Motor contactor          | 2     |        | 033384501Q7        |
| 1Q8   | Motorschütz                   | Motor contactor          |       |        |                    |
| 1S1   | Drehrichtungsschalter         | Rotation switch          | 1     |        | 033384501S1        |
| 1S4   | Not-Aus-Schlagschalter        | Emergency stop button    | 1     |        | 033384501S4        |
| 1S5   | Taster Ein                    | Button ON                | 1     |        | 033384501S5        |
| 1S6   | Taster Vorwärts               | Button forward           | 2     |        | 033384501S6        |
| 1S7   | Taster Rückwärts              | Buton reverse            |       |        |                    |
| 1S7.1 | Funktionsschalter             | Mode switch              | 1     |        | 033384501S7.1      |
| 1S7.2 | Taster Aus                    | Button OFF               | 1     |        | 033384501S7.2      |
| 1T3   | Transformator                 | Transformer              | 1     |        | 033384501T3        |
| K1    | Steuerrelais                  | Control relay            | 1     |        | 03338450K1         |

## 8.11 Schaltplan einphasiger Antrieb - Wiring diagram one-phase drive







## 8.11.1 Teileliste Elektrik - Parts list electrical components

|     |                               |                          |   |    |               |
|-----|-------------------------------|--------------------------|---|----|---------------|
| SQ1 | Sicherheitschalter Frässchutz | Mill chuck safety switch | 1 |    | 033384501B5   |
| SQ2 | Endschalter oben              | Top end switch           | 2 |    | 033384501B7.1 |
| SQ3 | Endschalter unten             | Below end switch         |   |    |               |
| 1F0 | Schutzschalter                | Safety switch            | 1 |    | 0333845021F0  |
| F1  | Sicherung                     | Fuse                     | 1 | 2A | 033384502F1   |
| HL  | Lampe Betriebsleuchte         | Work light lamp          | 1 |    | 033384501H4   |
| M1  | Motor                         | Motor                    | 1 |    | 033384502M1   |
| KM1 | Motorschütz                   | Motor contactor          | 2 |    | 033384501Q7   |
| KM2 | Motorschütz                   | Motor contactor          |   |    |               |
| SB1 | Not-Aus-Schlagschalter        | Emergency stop button    | 1 |    | 033384501S4   |
| SB2 | Taster Ein                    | Button ON                | 1 |    | 033384501S5   |
| SB4 | Taster Vorwärts               | Button forward           | 2 |    | 033384501S6   |
| SB5 | Taster Rückwärts              | Button reverse           |   |    |               |
| SA1 | Funktionsschalter             | Mode switch              | 1 |    | 033384501S7.1 |
| SB3 | Taster Aus                    | Button OFF               | 1 |    | 033384501S7.2 |
| TC  | Transformator                 | Transformer              | 1 |    | 033384502TC   |
| KA1 | Steuerrelais                  | Control relay            | 1 |    | 03338450K1    |
| KT  | Zeitrelais                    | Time relay               | 1 |    | 033384502KT   |