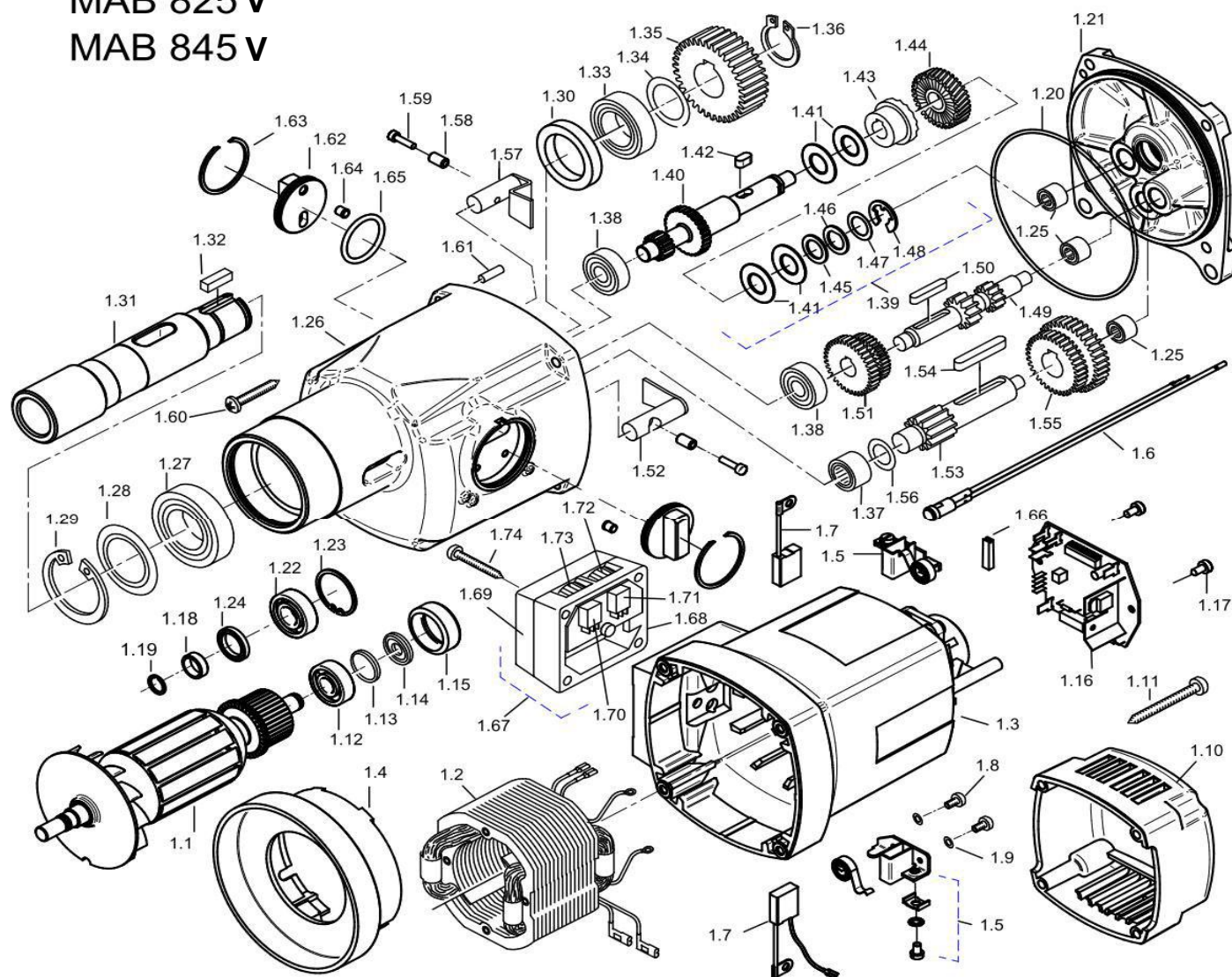


MAB 825 V

MAB 845 V



## Spare part price list 2016

### MAB 825V & 845V Motor

| Pos. No. | Article no. | Description                                                     | pc. |
|----------|-------------|-----------------------------------------------------------------|-----|
| 1.1.1    | 5013911     | Armature 110V                                                   | 1   |
| 1.1.2    | 5050061     | Armature 230 V                                                  | 1   |
| 1.2.1    | 5012551     | Field coil 110 V                                                | 1   |
| 1.2.2    | 5011611     | Field coil 230V                                                 | 1   |
| 1.3.1    | 5050051     | Motor housing complete until February 2012                      | 1   |
| 1.3.2    | 5050031     | Motor housing complete since February 2012                      | 1   |
| 1.4      | 5011091     | Air conducting ring                                             | 1   |
| 1.5      | 5011601     | Carbon brush holder complete                                    | 2   |
| 1.6      | 5015011     | Control light for carbon brush                                  | 1   |
| 1.7.1.1  | 5012541     | Carbon brush 6,3x16x20 L41F13 110V until February 2012          | 2   |
| 1.7.2.1  | 5012542     | Set of carbon brushes 6,3x16x20 L41F13 110V since February 2012 | 1   |
| 1.7.1.2  | 5012531     | Carbon brush 6,3x16x20 L85F10 230V until February 2012          | 2   |
| 1.7.2.2  | 5012532     | Set of carbon brushes 6,3x16x20 L85F10 230V since February 2012 | 1   |
| 1.8      | 5013991     | Self tapping screw ZM4x12                                       | 4   |
| 1.9      | 5013981     | Corrugated spring washer B4 DIN 137                             | 4   |
| 1.10     | 5011531     | Cap for motor housing                                           | 1   |
| 1.11     | 5010581     | Screw HC 4,8x45 DIN 7981                                        | 4   |
| 1.12     | 5011301     | Ball bearing 6000 2Z                                            | 1   |
| 1.13     | 5011741     | Pressboard washer                                               | 1   |
| 1.14     | 5011571     | Ring magnet                                                     | 1   |
| 1.15     | 5011561     | Bearing cap                                                     | 1   |
| 1.16.1   | 5014771     | Motor board 110 V                                               | 1   |
| 1.16.2   | 5011541     | Motor board 230 V                                               | 1   |
| 1.17.1   | 5010951     | Screw HC 3,9x9,5 DIN 7981 until August 2015                     | 2   |
| 1.17.2   | 5015621     | Screw HC 4,2x9,5 DIN 7981 since August 2015                     | 2   |
| 1.18     | 5050221     | Seal bush                                                       | 1   |
| 1.19     | 5050181     | Circlip ring SW 11                                              | 1   |
| 1.20     | 5050091     | Transmission seal 106x2                                         | 1   |
| 1.21.1   | 5050081     | Gearbox bearing plate until August 2015                         | 1   |
| 1.21.2   | 5050082     | Gearbox bearing plate since August 2015                         | 1   |
| 1.22     | 5012501     | Ball bearing 6001 2RS                                           | 1   |
| 1.23     | 5010271     | Circlip ring 28/1,2 DIN 472                                     | 1   |
| 1.24     | 5013601     | Shaft seal KEIV 15x21x3                                         | 1   |
| 1.25.1   | 5010351     | Needle bearing HK 0810 DIN 625 until August 2015                | 3   |
| 1.25.2   | 5014591     | Needle bearing DL 0810 since August 2015                        | 3   |
| 1.26     | 5050121     | Gearbox housing                                                 | 1   |
| 1.27     | 5012331     | Ball bearing 6006 2RS                                           | 1   |
| 1.28     | 5011251     | Washer for ball bearing 6006 2Z                                 | 1   |
| 1.29     | 5011241     | Circlip ring 55/2 DIN 472                                       | 1   |
| 1.30     | 5050111     | Shaft seal WASY 30x42x7                                         | 1   |
| 1.31     | 5011221     | Spindle                                                         | 1   |
| 1.32     | 5011161     | Spring B6x6x20 DIN 6885                                         | 1   |
| 1.33     | 5011191     | Ball bearing 6005 2RS                                           | 1   |
| 1.34     | 5011181     | Washer 25x35x0,1 DIN 988                                        | 1   |
| 1.35     | 5011811     | Spindle wheel                                                   | 1   |
| 1.36     | 5011151     | Circlip ring 24/1,2 DIN 471                                     | 1   |
| 1.37     | 5011261     | Needle bearing RNA 4900                                         | 1   |

## Spare part price list 2016

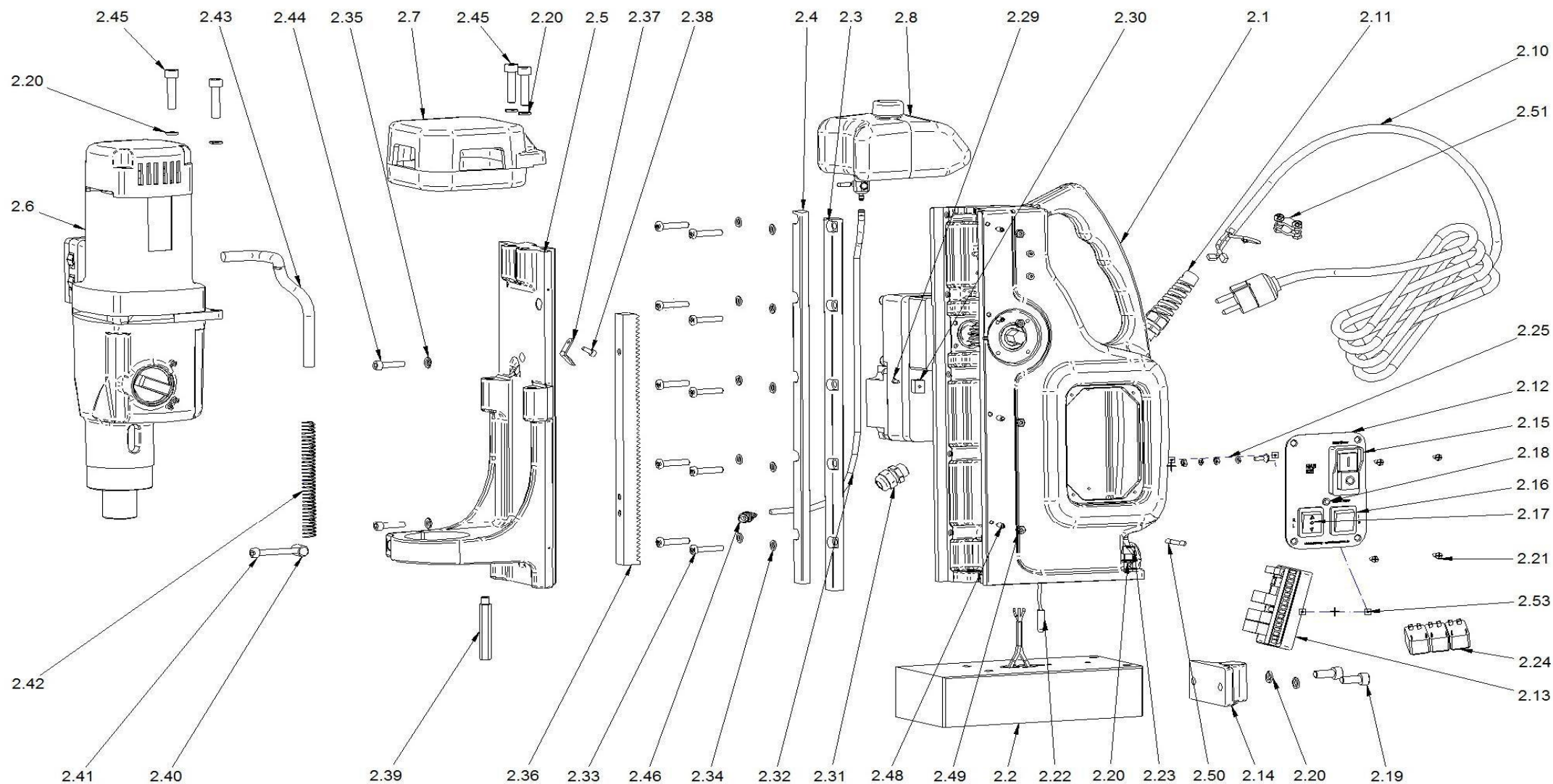
### MAB 825V & 845V Motor

| Pos. No. | Article no. | Description                                                                      | pc. |
|----------|-------------|----------------------------------------------------------------------------------|-----|
| 1.38     | 5011011     | Ball bearing 6000                                                                | 2   |
| 1.39     | 5050071     | Clutch complete                                                                  | 1   |
| 1.40     | 5050101     | Intermedium shaft 1                                                              | 1   |
| 1.41     | 5011331     | Spring 28x12,2x1                                                                 | 4   |
| 1.42     | 5011341     | Spring A5x5x10 DIN 6885                                                          | 1   |
| 1.43     | 5011351     | Half of clutch                                                                   | 1   |
| 1.44     | 5050171     | Clutch wheel                                                                     | 1   |
| 1.45     | 5011391     | Washer 1                                                                         | 1   |
| 1.46     | 5050201     | Washer 12x18x0,2 DIN 988                                                         | 1   |
| 1.47     | 5011381     | Washer 2                                                                         | 1   |
| 1.48     | 5011411     | Circlip ring 9 DIN 6799                                                          | 1   |
| 1.49     | 5011841     | Intermedium gear wheel 2                                                         | 1   |
| 1.50     | 5010501     | Spring A5x5x28 DIN 6885                                                          | 1   |
| 1.51     | 5011281     | Gear wheel assembly 1                                                            | 1   |
| 1.52     | 5050131     | Clutch 2                                                                         | 1   |
| 1.53     | 5011851     | Intermedium shaft 3                                                              | 1   |
| 1.54     | 5011881     | Spring A6x6x40 DIN 6885                                                          | 1   |
| 1.55     | 5011791     | Gear wheel assembly 2                                                            | 1   |
| 1.56     | 5011271     | Washer for needle bearing RNA 4900                                               | 1   |
| 1.57     | 5050161     | Clutch 1                                                                         | 1   |
| 1.58     | 5014581     | Sleeve                                                                           | 2   |
| 1.59     | 5014531     | Hexagon socket cylinder head screw with pilot recess M4 x16                      | 2   |
| 1.60     | 5010911     | Screw HC 5,5x38 DIN 7981                                                         | 4   |
| 1.61     | 5050191     | Pin 5 x12 DIN 1474                                                               | 1   |
| 1.62     | 5014541     | Gear change                                                                      | 2   |
| 1.63     | 5014551     | Circlip ring SB42                                                                | 2   |
| 1.64     | 5014561     | Pressure piece                                                                   | 2   |
| 1.65     | 5014601     | O-Ring 36x1,5                                                                    | 2   |
| 1.66     | 5014741     | Isolating grommet                                                                | 1   |
| 1.67.1   | 6011981     | Housing for potentiometer complete 110V                                          | 1   |
| 1.67.2   | 5011981     | Housing for potentiometer complete 230V                                          | 1   |
| 1.68     | 5011661     | Bottom part of housing for potentiometer without potentiometer and speed control | 1   |
| 1.69     | 5011671     | Cover for housing of potentiometer                                               | 1   |
| 1.70     | 5011681     | Potentiometer for power control 1 kOhm 7V                                        | 1   |
| 1.71     | 5011401     | Potentiometer for speed control 100 kOhm 2V                                      | 1   |
| 1.72     | 5010861     | Adjustment wheel blue for speed control 2V                                       | 1   |
| 1.73     | 5011701     | Adjustment wheel red for power control 7V                                        | 1   |
| 1.74     | 5015041     | Countersunk screw 6x40 voltaic black                                             | 4   |

## Spare part price list 2016

### MAB 825V Stand

### MAB 825 V

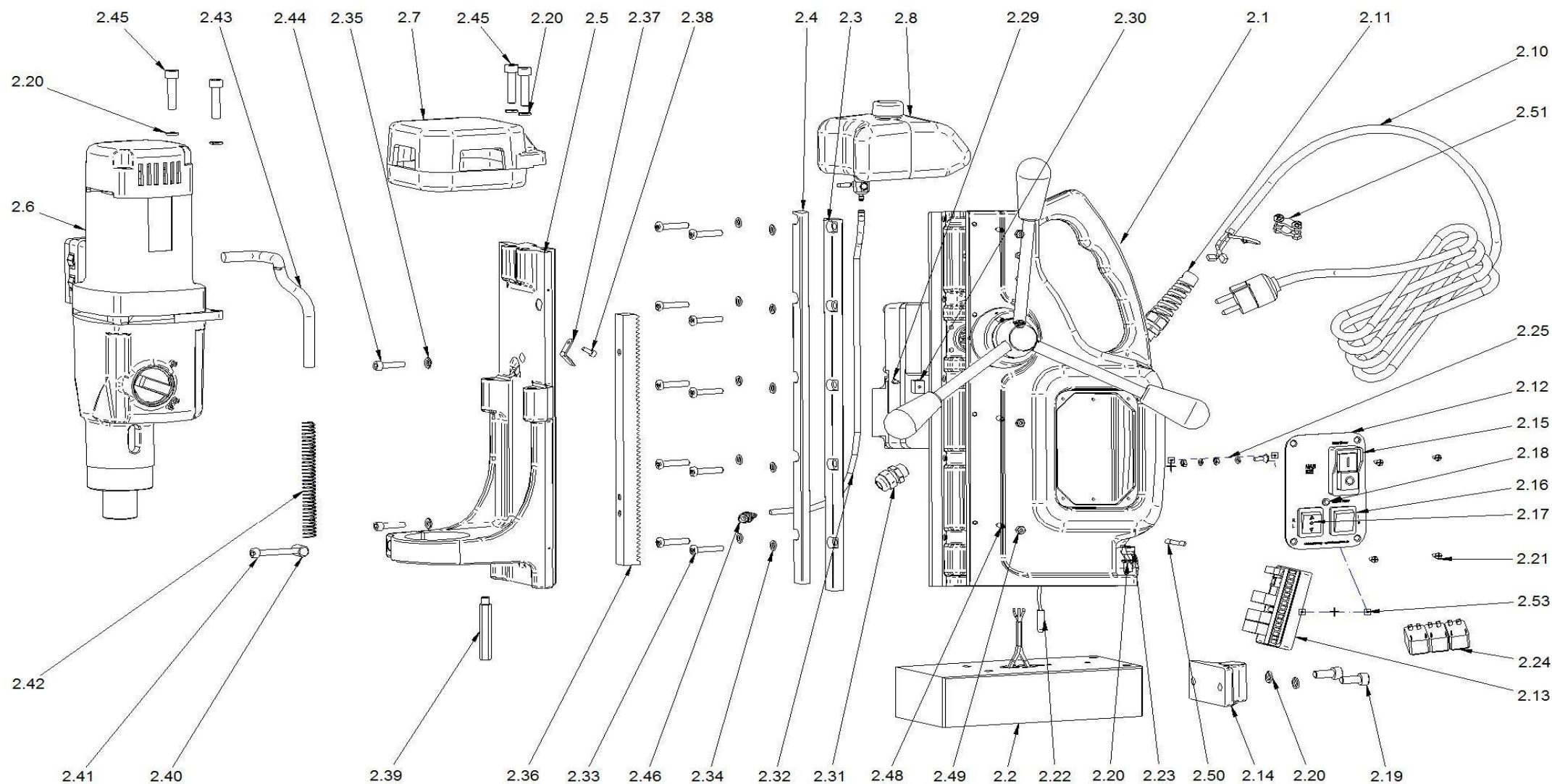




# Spare part price list 2016

## MAB 825V Stand

MAB 825 V ab Januar 2016



-Errors and omissions excepted!

02.09.2016

## Spare part price list 2016

### MAB 825V Stand

| Pos. No. | Article no. | Description                                                                             | pc. |
|----------|-------------|-----------------------------------------------------------------------------------------|-----|
| 2.1.1    | 6151011     | Housing with feed unit for machines until December 2015 - consult our technical service | 1   |
| 2.1.2    | 6151012     | Housing with feed unit since January 2016                                               | 1   |
| 2.2      | 6050031     | Magnet (electric) with indicator M8                                                     | 1   |
| 2.3      | 6050061     | Guide rail right, screwed, 5 holes                                                      | 1   |
| 2.4      | 6050051     | Guide rail left, screwed, 5 holes                                                       | 1   |
| 2.5      | 6051001     | Slide with holder for gearbox                                                           | 1   |
| 2.6.1    | 5018252     | Motor complete 110V 1800W 4-Gears                                                       | 1   |
| 2.6.2    | 5008252     | Motor complete 230V 1800W 4-Gears                                                       | 1   |
| 2.7      | 6050071     | Cover for motor                                                                         | 1   |
| 2.8      | 6050081     | Coolant reservoir with tap                                                              | 1   |
| 2.10.1.1 | 7010052     | Connection cable 110V with GB-plug                                                      | 1   |
| 2.10.2.1 | 7010242     | Connection cable 110V with US-plug                                                      | 1   |
| 2.10.1.2 | 7010042     | Connection cable 230V complete with plug                                                | 1   |
| 2.11     | 7010031     | Mains cable gland PG 11                                                                 | 1   |
| 2.12.1   | 7011451     | Switch plate front side for version 110V                                                | 1   |
| 2.12.2   | 7011471     | Switch plate front side for version 230V                                                | 1   |
| 2.13.1   | 7010163     | Control board with 3 Relais 110V                                                        | 1   |
| 2.13.2   | 6012152     | Control board with 3 Relais 230V                                                        | 1   |
| 2.14     | 6010581     | Magnet release assembly                                                                 | 1   |
| 2.15.1   | 7010111     | Actuator 110V                                                                           | 1   |
| 2.15.2   | 7010801     | Actuator 230V                                                                           | 1   |
| 2.16     | 7010142     | Magnet switch, 4 connection terminals                                                   | 1   |
| 2.17     | 7010482     | Rocker switch right/left                                                                | 1   |
| 2.18     | 7010101     | LED display for indicator red/green                                                     | 1   |
| 2.19     | 6050091     | Hexagon socket cylinder head screw M8x20 DIN 912                                        | 2   |
| 2.20     | 6010571     | Spring washer 8,2 DIN 7980                                                              | 10  |
| 2.21     | 7010081     | Screw M4x8 DIN 966                                                                      | 8   |
| 2.22     | 6012171     | Indicator with cable                                                                    | 1   |
| 2.23     | 6050101     | Hexagon socket cylinder head screw M8x30 DIN 912                                        | 4   |
| 2.24     | 7011851     | Relais 30A for control board 110V                                                       | 3   |
| 2.25     | 7010061     | Earthing complete                                                                       | 1   |
| 2.29     | 6050121     | Screw HC 2,9x9,5 DIN 7983                                                               | 1   |
| 2.30     | 6050131     | Fixing device for coolant tube                                                          | 1   |
| 2.31     | 7050011     | Cable Gland PG 11                                                                       | 1   |
| 2.32     | ZSS 200SL   | Cooling tube blue, long 480mm                                                           | 1   |
| 2.33     | 7012171     | Hexagon socket cylinder head screw M6x20 DIN 7984                                       | 8   |
| 2.34     | 6013441     | Disc 6,4x11x1,6 DIN 433                                                                 | 8   |
| 2.35     | 6010021     | Spring washer 6,1 DIN 7980                                                              | 2   |
| 2.36.1   | 6050161     | Rack until December 2015                                                                | 1   |
| 2.36.2   | 7015391     | Rack since January 2016                                                                 | 1   |
| 2.37     | 6050171     | Fixing device for cable                                                                 | 1   |
| 2.38     | 6050181     | Screw with cross slot M3x8 DIN 7985                                                     | 1   |
| 2.39     | 6050191     | Stop pin L=70                                                                           | 1   |
| 2.40     | 6050201     | Plug with thread                                                                        | 1   |
| 2.41     | 6010481     | Hexagon socket cylinder head screw M6x55 DIN 912                                        | 1   |
| 2.42     | 7050021     | Feder für Motoranschlusskabel                                                           | 1   |
| 2.43     | 6050221     | Motoranschlusskabel 770mm                                                               | 1   |
| 2.44     | 6010111     | Hexagon socket cylinder head screw M6x25 DIN 912                                        | 2   |
| 2.45     | 6050241     | Hexagon socket cylinder head screw M8x35 DIN 912                                        | 4   |
| 2.46     | ZSS 200K    | Quick-change coupling                                                                   | 1   |
| 2.48     | 6010041     | Adjusting screw for dovetail carriage M5x16 DIN 913                                     | 4   |
| 2.49     | 6010031     | Nut M5 DIN 934                                                                          | 4   |

## Spare part price list 2016

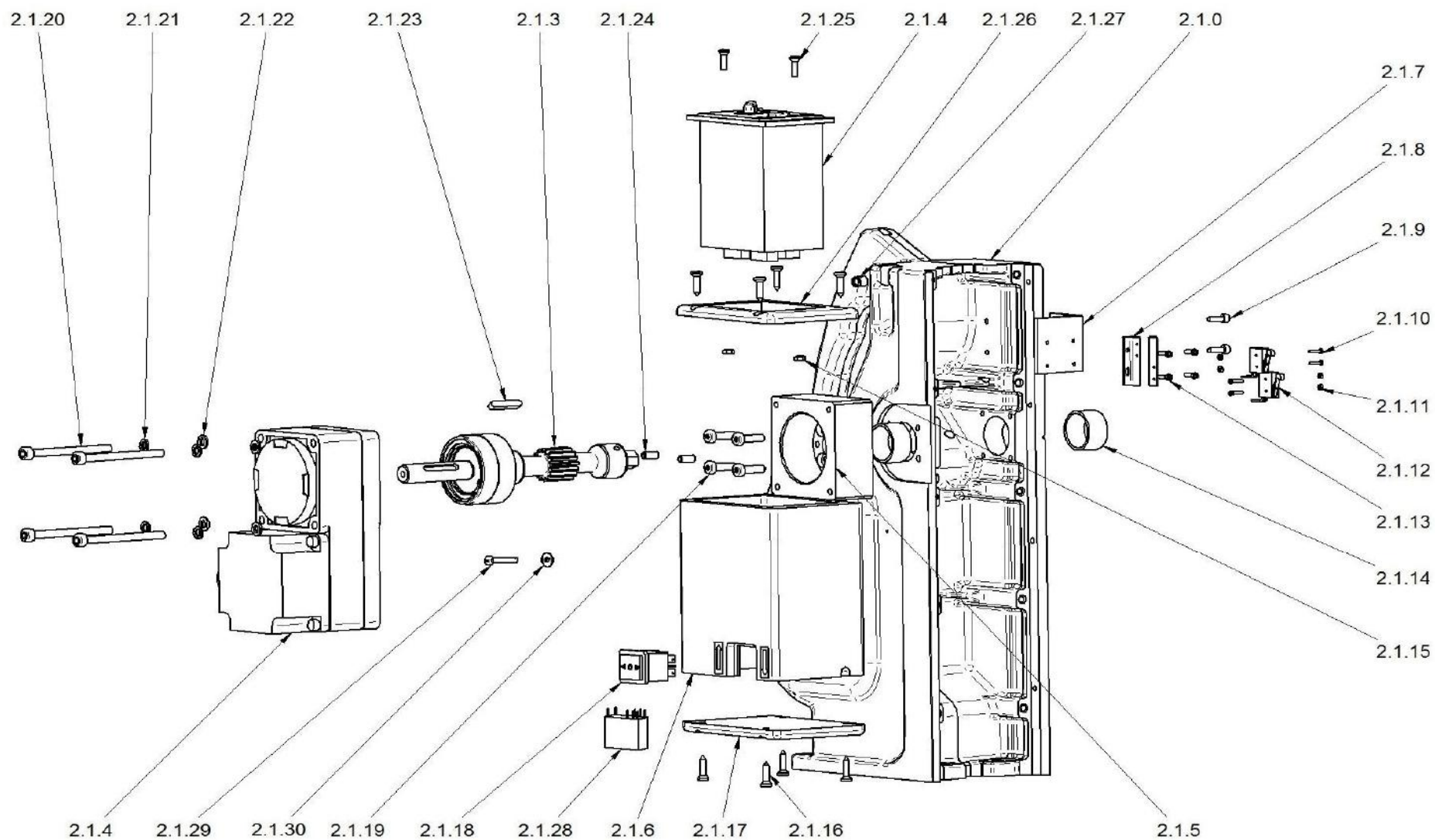
### MAB 825V Stand

| Pos.<br>No. | Article no. | Description                                       | pc. |
|-------------|-------------|---------------------------------------------------|-----|
| 2.50        | 7010131     | Fuse 2A, 5x20                                     | 1   |
| 2.51        | 4010291     | Cord grip                                         | 1   |
| 2.53.1      | 7011861     | Switch plate complete with PC board 3 relais 110V | 1   |
| 2.53.2      | 7011741     | Switch plate complete with PC board 3 relais 230V | 1   |

## Spare part price list 2016

### MAB 825V Stand with feed unit

#### MAB 825 V Gehäuse mit Vorschubeinheit



-Errors and omissions excepted!-

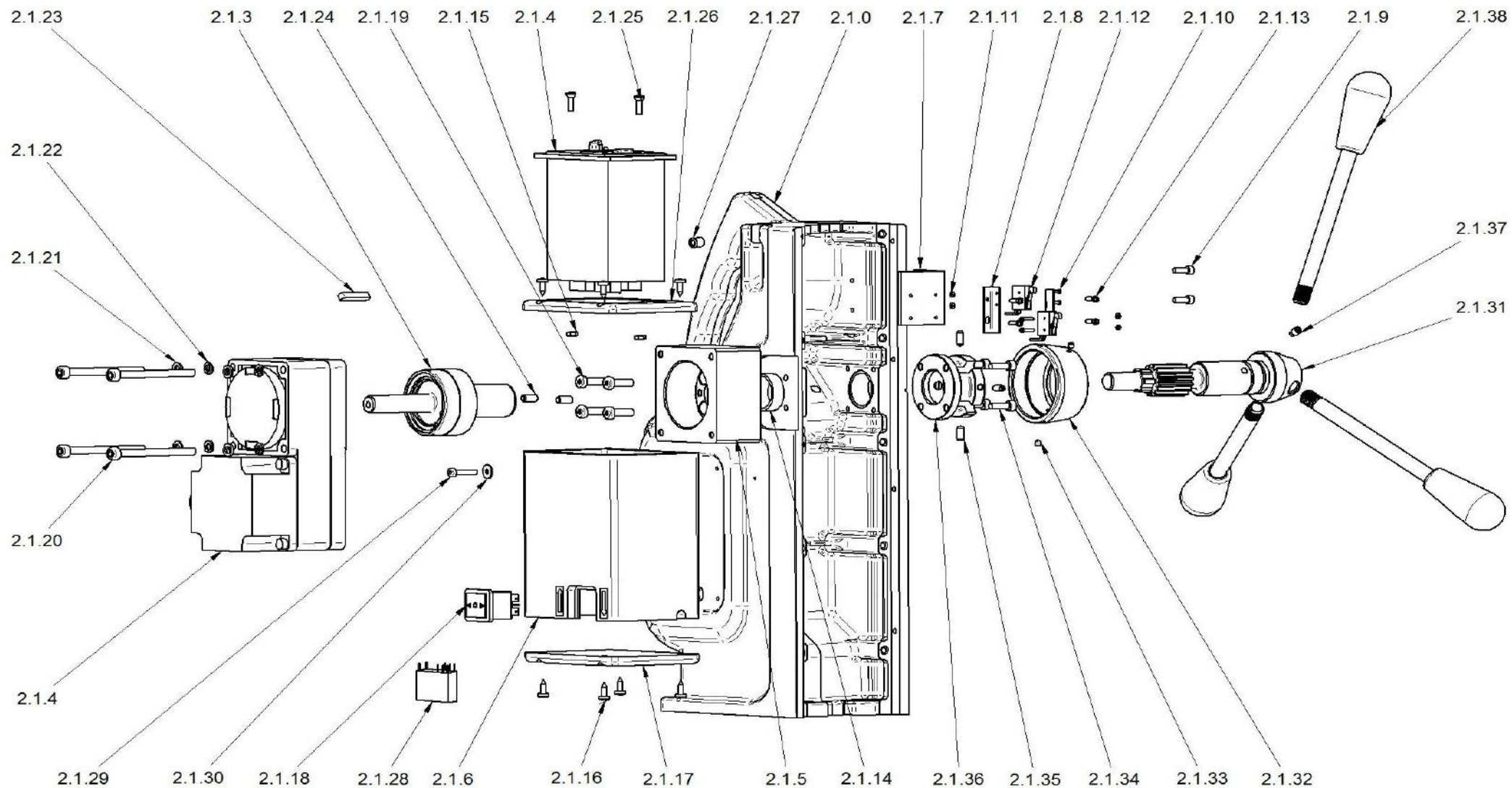
02.09.2016



## Spare part price list 2016

### MAB 825V Stand with feed unit

MAB 825 V ab Januar 2016  
Gehäuse mit Vorschubeinheit



-Errors and omissions excepted!-

02.09.2016

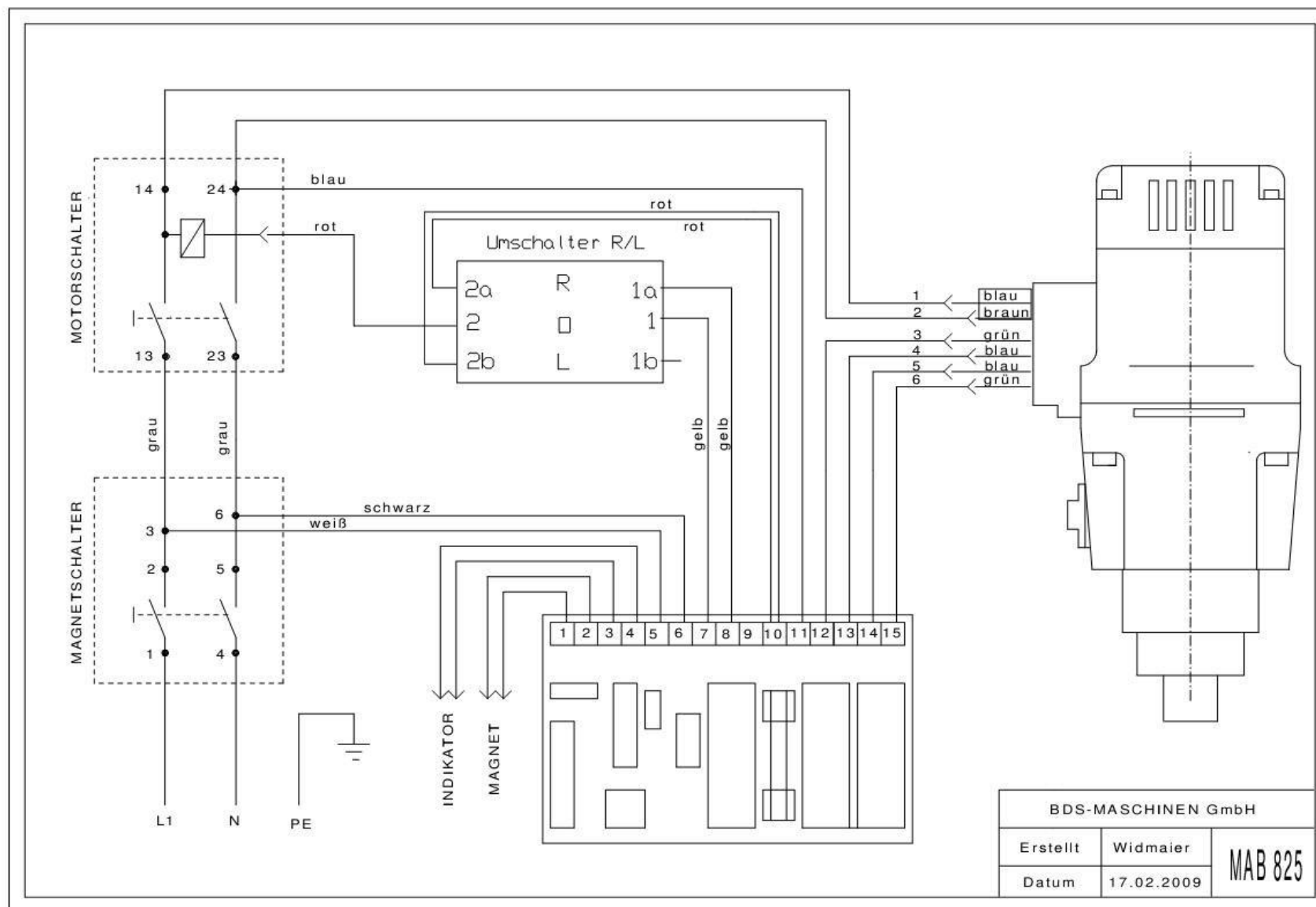
## Spare part price list 2016

### MAB 825V Stand with feed unit

| Pos. No. | Article no. | Description                                                                                                      | pc. |
|----------|-------------|------------------------------------------------------------------------------------------------------------------|-----|
| 2.1.0.1  | 6051011     | Housing M8 for guide rails both sides screwed - for machines until December 2015 - consult our technical service | 1   |
| 2.1.0.2  | 6051012     | Housing M8 for guide rails both sides screwed since January 2016                                                 | 1   |
| 2.1.3.1  | ZPA 404     | Power Assistant - for machines until December 2015 - consult our technical service                               | 1   |
| 2.1.3.2  | 7013331     | Epicyclic gear since January 2016                                                                                | 1   |
| 2.1.4.1  | 7010691     | Feed motor 110V with connection cable and drift                                                                  | 1   |
| 2.1.4.2  | 7010681     | Feed motor 230V with connection cable and drift                                                                  | 1   |
| 2.1.5.1  | 7012401     | Intermediate flange until December 2015                                                                          | 1   |
| 2.1.5.2  | 7015361     | Intermediate flange since January 2016                                                                           | 1   |
| 2.1.6    | 7012411     | Electronic housing                                                                                               | 1   |
| 2.1.7    | 7012421     | Angle support 40x40x4                                                                                            | 1   |
| 2.1.8    | 7012431     | Angle support 15x15x1                                                                                            | 2   |
| 2.1.9    | 6012681     | Hexagon socket cylinder head screw M4x16 DIN 912                                                                 | 2   |
| 2.1.10   | 7012311     | Hexagon socket cylinder head screw M2x10 DIN 7985                                                                | 4   |
| 2.1.11   | 7012321     | Nut M2 DIN 934-8                                                                                                 | 4   |
| 2.1.12   | 7012331     | Limit switch                                                                                                     | 2   |
| 2.1.13   | 8030101     | Hexagon socket cylinder head screw M3x10 DIN 912                                                                 | 4   |
| 2.1.14   | 6013871     | Bush bearing 28,05H7x32x16                                                                                       | 2   |
| 2.1.15   | 4010271     | Nut M4 DIN 934-8                                                                                                 | 2   |
| 2.1.16   | 7012341     | Screw HC 4,2x12 DIN 7981                                                                                         | 8   |
| 2.1.17   | 7010671     | Below cover for feed motor                                                                                       | 1   |
| 2.1.18   | 7010482     | Rocker switch right/left                                                                                         | 1   |
| 2.1.19   | 6010091     | Hexagon socket cylinder head screw M6x20 DIN 912                                                                 | 4   |
| 2.1.20   | 7012371     | Hexagon socket cylinder head screw M6x70 DIN 912                                                                 | 4   |
| 2.1.21   | 6013441     | Disc 6,4x11x1,6 DIN 433                                                                                          | 4   |
| 2.1.22   | 6013281     | Spring circlip 6,1 DIN 128                                                                                       | 4   |
| 2.1.23   | 7012381     | Spring A5x5x25 DIN 6885                                                                                          | 1   |
| 2.1.24   | 7012391     | Hexagon socket set screw M6x12 DIN 913                                                                           | 2   |
| 2.1.25   | 6013051     | Screw with cross slot M4x12 DIN 966                                                                              | 2   |
| 2.1.26   | 7012361     | Upper cover for feed motor                                                                                       | 1   |
| 2.1.27   | 4000121     | Pressure piece                                                                                                   | 2   |
| 2.1.28.1 | 7014871     | Relais for feed motor 110V                                                                                       | 1   |
| 2.1.28.2 | 7014881     | Relais for feed motor 230V                                                                                       | 1   |
| 2.1.29   | 7014281     | Hexagon socket cylinder head screw M4x20 DIN 912                                                                 | 4   |
| 2.1.30   | 6015811     | Disc 4,3 DIN 9021                                                                                                | 4   |
| 2.1.31   | 7015371     | Gear shaft only for version since January 2016                                                                   | 1   |
| 2.1.32   | 7015401     | Cap only for version since January 2016                                                                          | 1   |
| 2.1.33   | 7013391     | Hexagon socket set screw M4x4 DIN 913 only for version since January 2016                                        | 2   |
| 2.1.34   | 6010821     | Hexagon socket cylinder head screw M5x16 DIN 912 only for version since January 2016                             | 4   |
| 2.1.35   | 7013341     | Pressure piece only for version since January 2016                                                               | 4   |
| 2.1.36   | 7015331     | Stop bush only for version since January 2016                                                                    | 1   |
| 2.1.37   | 7013381     | Hexagon socket set screw with pin M6x10 DIN 915 only for version since January 2016                              | 1   |
| 2.1.38   | 6010542     | Handle rod with knob only for version since January 2016                                                         | 3   |

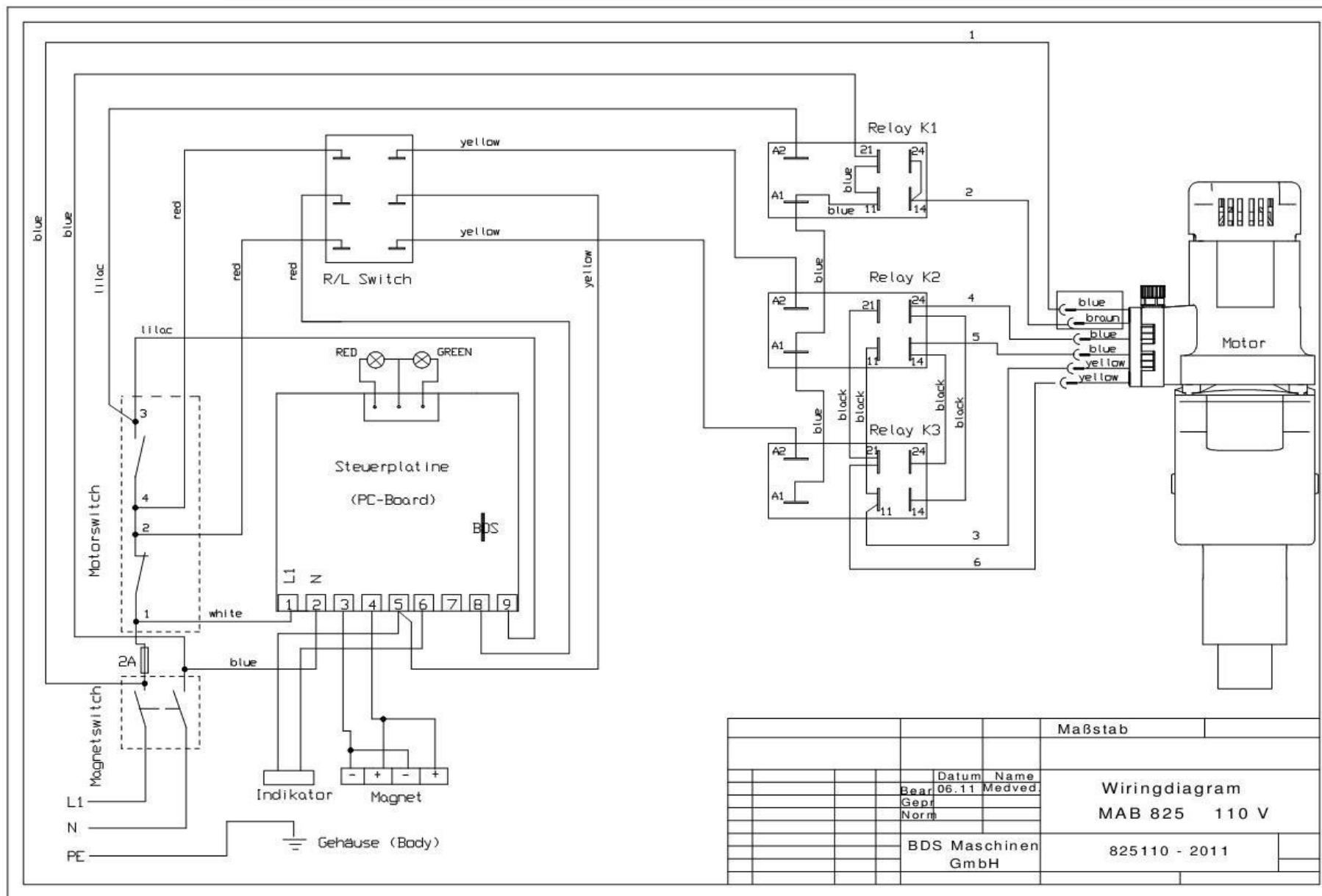
# Spare part price list 2016

## MAB 825 Wiring diagram 230V



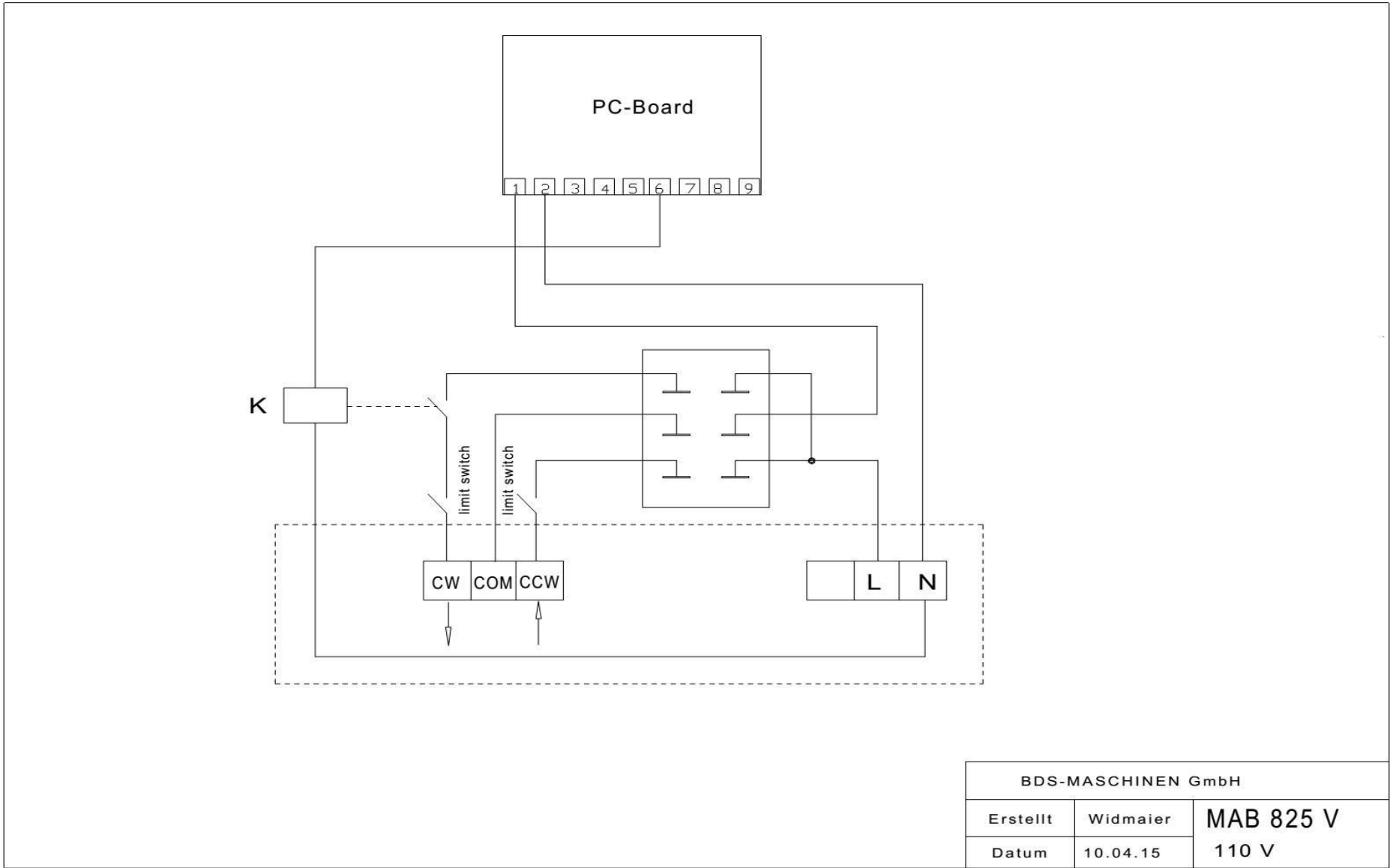
# Spare part price list 2016

## MAB 825 Wiring diagram 110V



## Spare part price list 2016

**MAB 825 Additional wiring diagram 110V**



|                    |          |                    |
|--------------------|----------|--------------------|
| BDS-MASCHINEN GmbH |          |                    |
| Erstellt           | Widmaier | MAB 825 V<br>110 V |
| Datum              | 10.04.15 |                    |