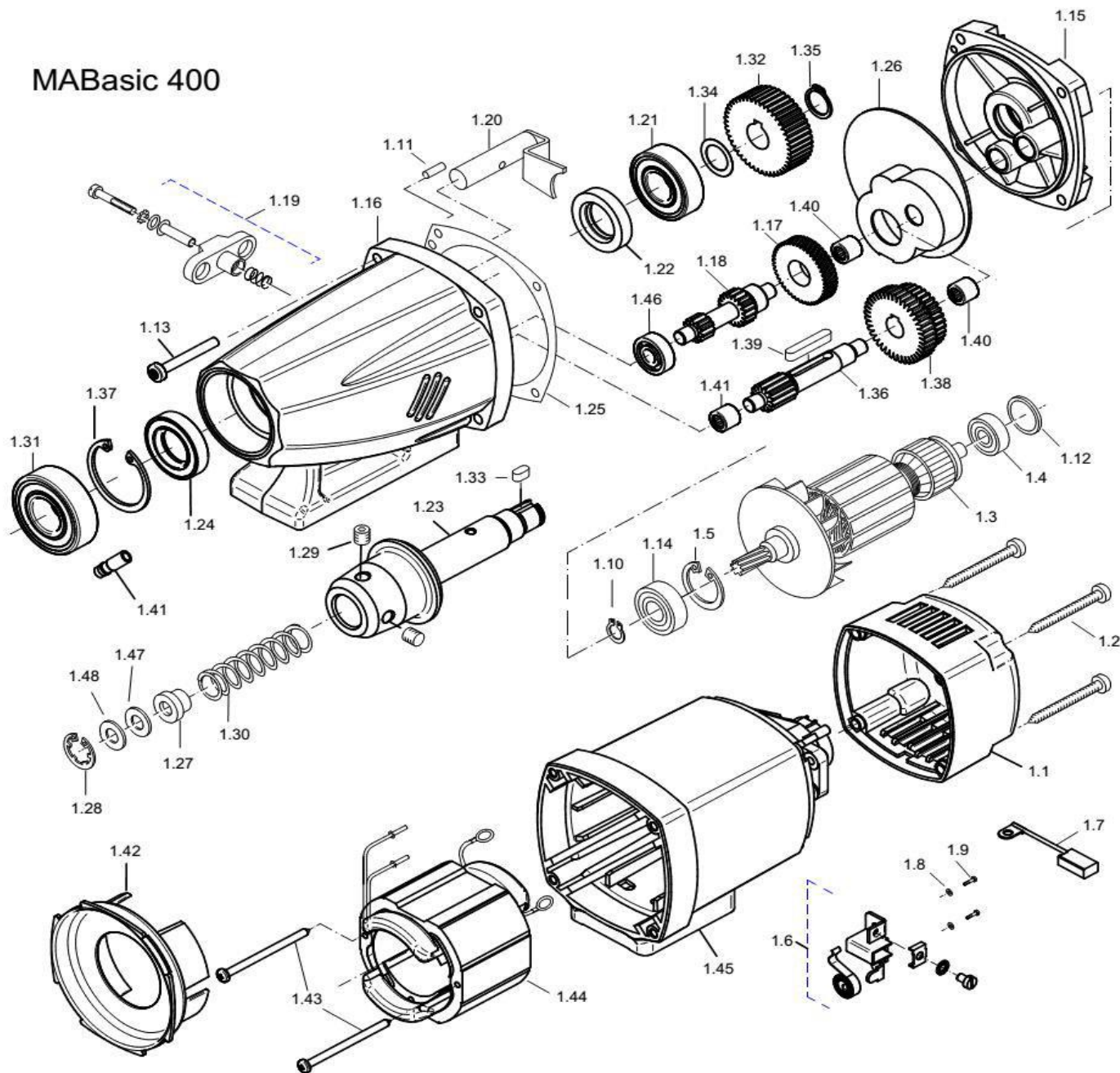


### MABasic 400



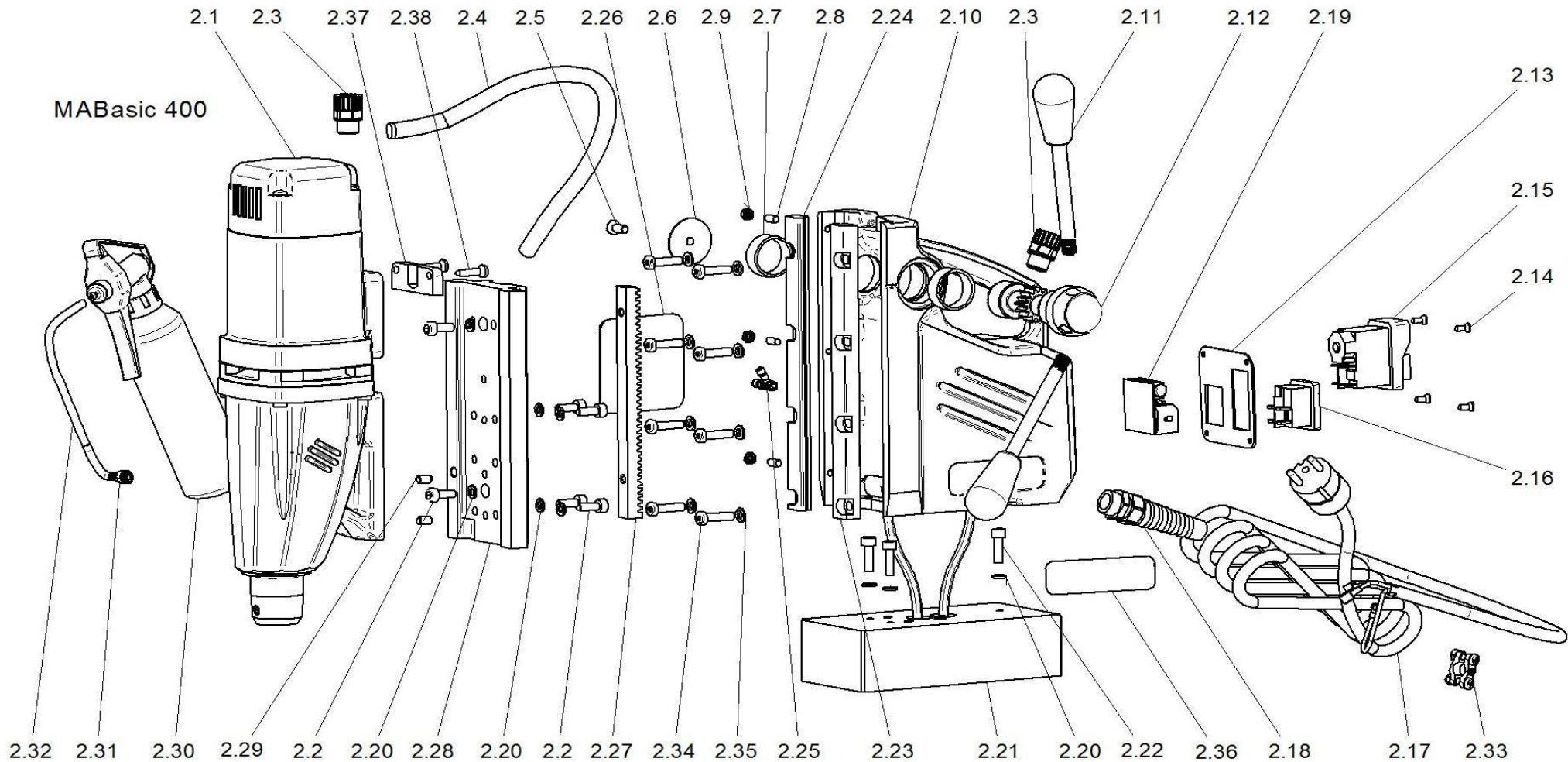
| Pos. No. | Article no. | Description                         | pc. |
|----------|-------------|-------------------------------------|-----|
| 1.1      | 5010691     | Cap for motor housing               | 1   |
| 1.2      | 5010581     | Screw HC 4,8x45 DIN 7981            | 4   |
| 1.3.1    | 5010661     | Armature 110V                       | 1   |
| 1.3.2    | 5010651     | Armature 230V                       | 1   |
| 1.4      | 5010061     | Ball bearing 608 2Z                 | 1   |
| 1.5      | 5010271     | Circlip ring 28/1,2 DIN 472         | 1   |
| 1.6      | 5010561     | Carbon brush holder                 | 2   |
| 1.7      | 5010571     | Carbon brush 6,3x10x18              | 2   |
| 1.8      | 5013981     | Corrugated spring washer B4 DIN 137 | 4   |
| 1.9      | 5013991     | Screw ZM4x12                        | 4   |
| 1.10     | 5010711     | Circlip ring 11/1 DIN 471           | 1   |
| 1.11     | 5010291     | Pin M4x12 DIN 1474                  | 1   |
| 1.12     | 5010591     | O-Ring 22x2,5                       | 1   |
| 1.13     | 5015231     | PT-Screw 50x40                      | 4   |
| 1.14     | 5010081     | Ball bearing 6001 2Z                | 1   |
| 1.15     | 5010731     | Gearbox bearing plate               | 1   |
| 1.16     | 5015261     | Gear box housing                    | 1   |
| 1.17     | 5010541     | Intermedium wheel 34 teeth          | 1   |
| 1.18     | 5010421     | Shaft with 2 pinions 19/11 teeth    | 1   |
| 1.19     | 5010521     | Gear change complete                | 1   |
| 1.20     | 5010761     | Clutch complete                     | 1   |
| 1.21     | 5010611     | Ball bearing 6203 2RS               | 1   |
| 1.22     | 5013461     | Shaft seal 20x35x7                  | 1   |
| 1.23     | 5015271     | Spindle                             | 1   |
| 1.24     | 5015281     | Shaft seal 20x37x8                  | 1   |
| 1.25     | 5015111     | Gear box gasket                     | 1   |
| 1.26     | 5010771     | Shaft seal for grease chamber       | 1   |
| 1.27     | 5014691     | Spring bracket                      | 1   |
| 1.28     | 6010161     | Circlip ring JK 19/1                | 1   |
| 1.29     | 6010181     | Set screw M8x8 DIN 913              | 2   |
| 1.30     | 5014681     | Pressure spring                     | 1   |
| 1.31     | 5015291     | Ball bearing 6204 2RS               | 1   |
| 1.32     | 5015301     | Spindle gear wheel 40 teeth         | 1   |
| 1.33     | 5010751     | Spring A5x5x12 DIN 6885             | 1   |
| 1.34     | 5010531     | Washer 15x22x0,2 DIN 988            | 1   |
| 1.35     | 5010721     | Circlip ring 15/1 DIN 471           | 1   |
| 1.36     | 5015311     | Shaft for gear wheel 18 teeth       | 1   |
| 1.37     | 5015321     | Circlip ring 37/1,5 DIN 472         | 1   |
| 1.38     | 5010632     | Gear wheel assembly 34/40 teeth     | 1   |
| 1.39     | 5010501     | Spring A5x5x28 DIN 6885             | 1   |
| 1.40     | 5010351     | Needle bearing HK 0810 DIN 625      | 2   |
| 1.41     | 5014591     | Needle Bearing DL 0810              | 1   |
| 1.42     | 5010641     | Air conducting ring                 | 1   |
| 1.43     | 5010031     | Screw HC 3,9 x 60 DIN 7981          | 2   |
| 1.44.1   | 5012741     | Field coil 110V                     | 1   |
| 1.44.2   | 5010671     | Field coil 230V                     | 1   |
| 1.45     | 5010701     | Motor housing complete              | 1   |
| 1.46     | 5010071     | Ball bearing 608                    | 1   |
| 1.47     | 5014701     | Rubber ring 19x11x1,5               | 1   |



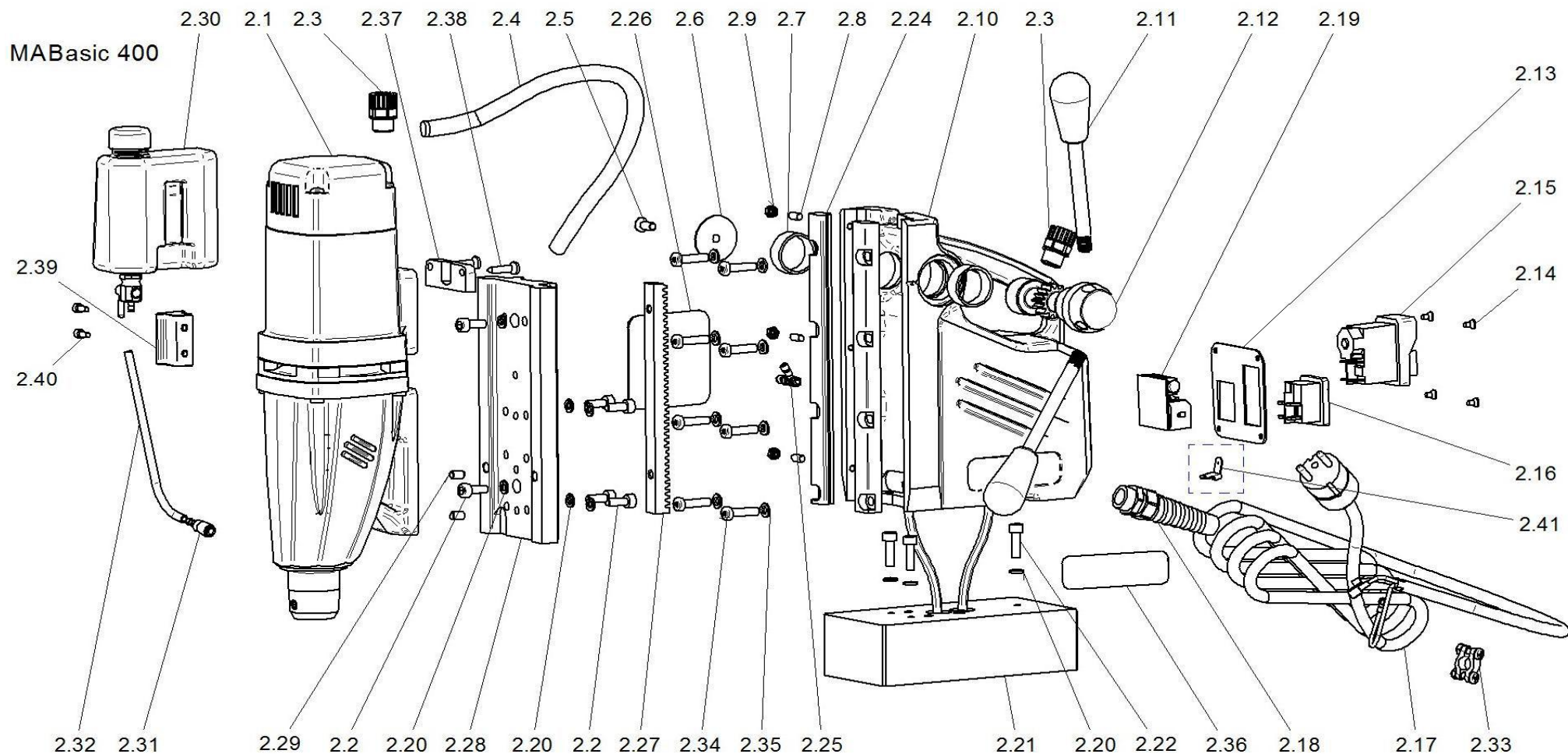
## Spare part price list 2016

### MABasic 400 Motor

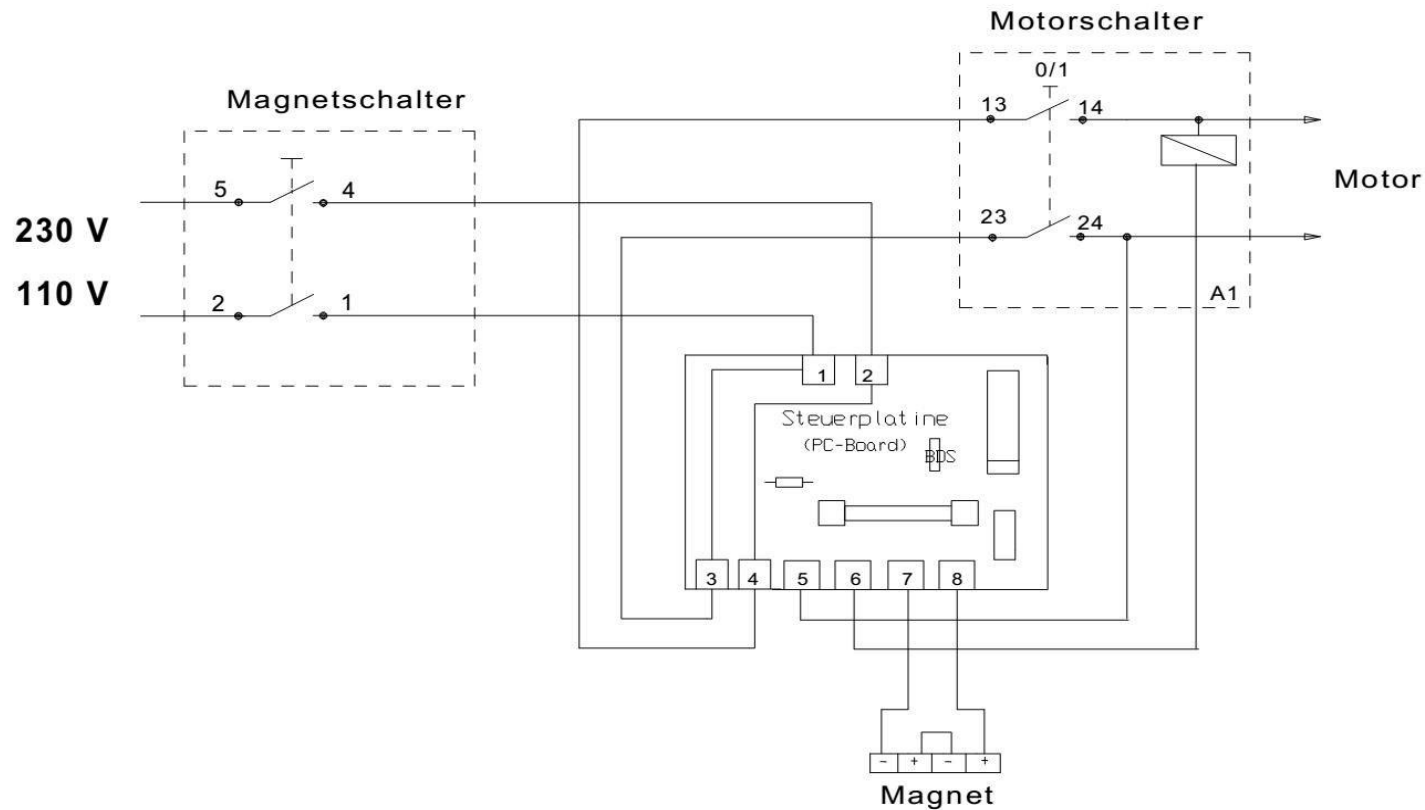
| Pos.<br>No. | Article no. | Description | pc. |
|-------------|-------------|-------------|-----|
| 1.48        | 5014711     | Disc        | 1   |







| Pos. No. | Article no. | Description                                                                       | pc. |
|----------|-------------|-----------------------------------------------------------------------------------|-----|
| 2.1.1    | 5104111     | Motor complete 110V                                                               | 1   |
| 2.1.2    | 5104011     | Motor complete 230V                                                               | 1   |
| 2.2      | 6010011     | Hexagon socket cylinder head screw M6x16 DIN 912                                  | 6   |
| 2.3      | 7010021     | Gland PG 9                                                                        | 2   |
| 2.4      | 7010001     | Cable protection tube 440mm                                                       | 1   |
| 2.5      | 6010232     | Flat-countersunk screw M6x16 ISO 10642                                            | 1   |
| 2.6      | 6010221     | Washer for gear wheel 10,5x35x1,5                                                 | 1   |
| 2.7      | 3020005     | Slide bearing 28x32x12                                                            | 2   |
| 2.8      | 6015431     | Set screw M5x12 DIN 913                                                           | 3   |
| 2.9      | 6010031     | Nut M5 DIN 934                                                                    | 3   |
| 2.10     | 3020001     | Housing for guide rails both sides screwed                                        | 1   |
| 2.11     | 6010243     | Handle rod with knob                                                              | 3   |
| 2.12     | 4010181     | Gear shaft                                                                        | 1   |
| 2.13     | 7011811     | Front plate                                                                       | 1   |
| 2.14     | 7010081     | Screw M4x8 DIN 966                                                                | 4   |
| 2.15.1   | 7010931     | Actuator 110V                                                                     | 1   |
| 2.15.2   | 7010801     | Actuator 230V                                                                     | 1   |
| 2.16     | 7010142     | Magnet switch, 4 connection terminals                                             | 1   |
| 2.17.1.1 | 7010052     | Connection cable 110 V with GB-plug                                               | 1   |
| 2.17.2.1 | 7010242     | Connection cable 110V with US-plug                                                | 1   |
| 2.17.1.2 | 7010042     | Connection cable 230V complete with plug                                          | 1   |
| 2.18     | 7010031     | Mains cable gland PG 11                                                           | 1   |
| 2.19     | 7010812     | Control board 110 V + 230 V, 6 connection terminals                               | 1   |
| 2.20     | 6010021     | Spring washer 6,1 DIN 7980                                                        | 9   |
| 2.21     | 6010055     | Magnet (electric) without indicator (3 holes)                                     | 1   |
| 2.22     | 6010091     | Hexagon socket screw M6x20 DIN 912                                                | 3   |
| 2.23     | 6012262     | Adjustment rail right, screwed                                                    | 1   |
| 2.24     | 6012252     | Adjustment rail left, screwed                                                     | 1   |
| 2.25     | 7010061     | Earthing complete                                                                 | 1   |
| 2.26     | 7021001     | Cover of housing, back side                                                       | 1   |
| 2.27     | 6010081     | Rack                                                                              | 1   |
| 2.28     | 4000252     | Dovetail carriage                                                                 | 1   |
| 2.29     | 4000101     | Cylinder pin, hardened, 6m6x10 DIN 6325                                           | 2   |
| 2.30.1   | 7014221     | Pump for coolant until July 2015                                                  | 1   |
| 2.30.2   | ZKK 401     | Cooling reservoir with tap since July 2015                                        | 1   |
| 2.31     | ZSS 200K    | Quick change coupling                                                             | 1   |
| 2.32.1   | ZSS 200STL  | Cooling tube, transparent, long, 480mm until July 2015                            | 1   |
| 2.32.2   | ZSS 200SL   | Cooling tube blue, long, 480 mm since July 2015                                   | 1   |
| 2.33     | 4010291     | Cord grip for connection cable                                                    | 1   |
| 2.34     | 7012171     | Hexagon socket cylinder head screw M6x20 DIN 7984                                 | 8   |
| 2.35     | 6013441     | Disc 6,4x11x1,6 DIN 433                                                           | 8   |
| 2.36     | 7024001     | Front label                                                                       | 1   |
| 2.37     | 7014231     | Cover for cable gland                                                             | 1   |
| 2.38     | 5014981     | Screw 4,8x25 ISO 14586                                                            | 2   |
| 2.39     | 7013261     | Spacer for coolant reservoir only for version since July 2015                     | 1   |
| 2.40     | 6015541     | Hexagon socket cylinder head screw M4x12 DIN 912 only for version since July 2015 | 2   |
| 2.41     | 7011571     | Plug distributor for 110V version                                                 | 1   |



| Datum              | Name     |                                                               |
|--------------------|----------|---------------------------------------------------------------|
| Bearb. 09.13       | Medvedov |                                                               |
| Gepr.              | Widmaier |                                                               |
| Norm               |          |                                                               |
| BDS Maschinen GmbH |          | Steuerschaltplan<br>MABasic 200,400,450<br>1814-MABasic200-01 |