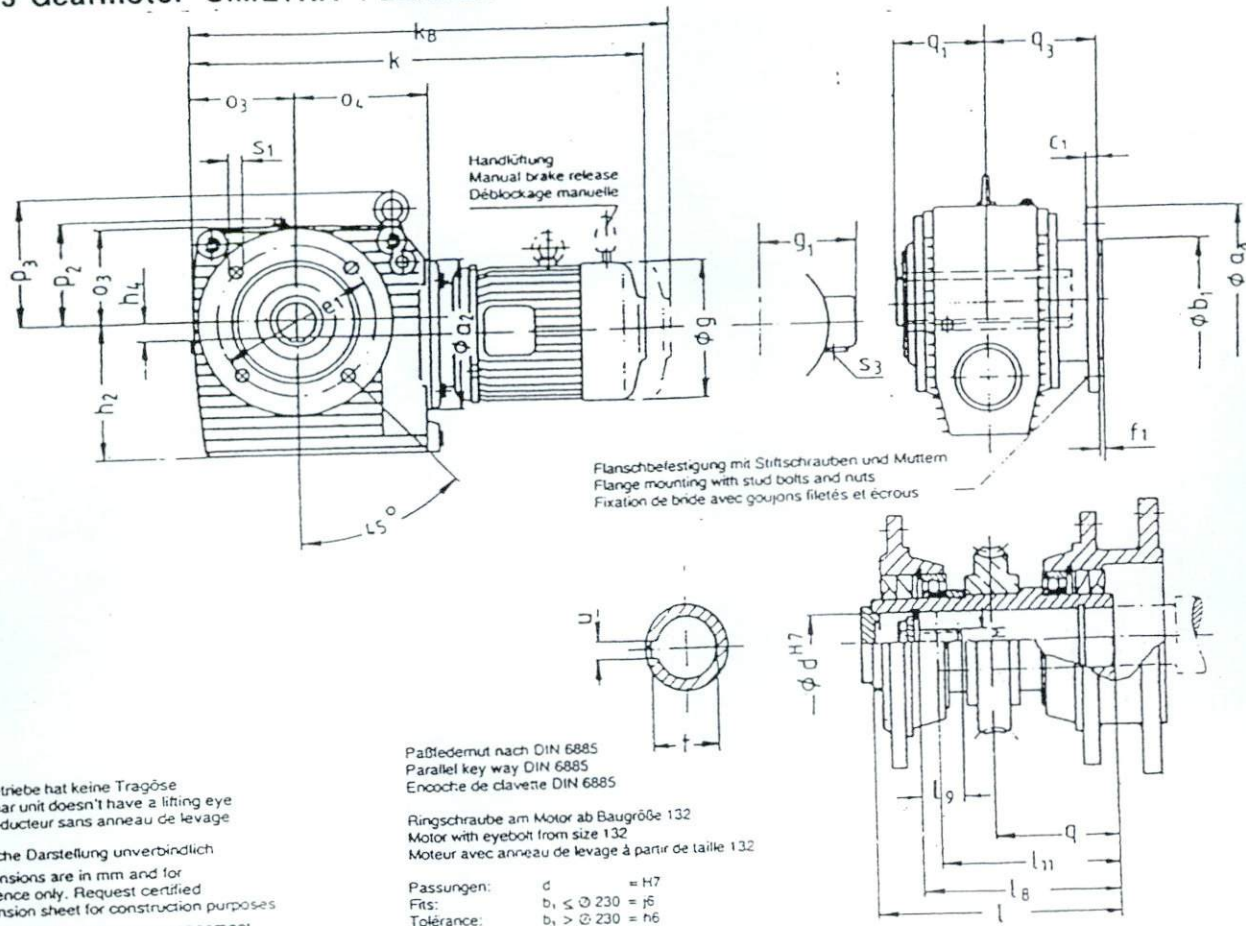


**S.M.P.  
MATERIEL  
PERRIER**

**OPERATING AND MAINTENANCE MANUAL  
CONTINUOUS PRESSURE  
FILTER WITH HYDRAULIC  
SLUDGE REMOVAL  
STR SERIES**

PAGE : 11  
DATE : July 94  
REVISION : A

**4 - 3 Gearmotor SIMETRA FLENDER**



\*j) Getriebe hat keine Tragöse  
Gear unit doesn't have a lifting eye  
Réducteur sans anneau de levage

Bildliche Darstellung unverbindlich  
Dimensions are in mm and for  
reference only. Request certified  
dimension sheet for construction purposes  
Les illustrations sont sans engagement

| Typ(e) | a <sub>1</sub> | b <sub>1</sub> | c <sub>1</sub> | e <sub>1</sub> | f <sub>1</sub> | s <sub>1</sub> | h <sub>2</sub> | h <sub>4</sub> | o <sub>3</sub> | o <sub>4</sub> | p <sub>2</sub> | p <sub>3</sub> | q    | q <sub>1</sub> | q <sub>3</sub> | M   | l <sub>9</sub> | d  | t    | l <sub>8</sub> | a <sub>2</sub> | k   | k <sub>8</sub> | g   | g <sub>1</sub> | s <sub>3</sub> |
|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|----------------|----------------|-----|----------------|----|------|----------------|----------------|-----|----------------|-----|----------------|----------------|
| M1.    |                |                |                |                |                |                |                |                |                |                |                |                |      |                |                |     |                |    |      |                |                | 415 | 452            | 138 | 114            | 2 x Pg 13.5    |
| CH 41  | 200            | 130            | 12             | 165            | 3.5            | 11             | 115            | 16             | 87             | 116            | 96             | -              | 72.5 | 76.5           | 97             | M12 | 41             | 35 | 38.3 | 127            | 120            |     |                |     |                |                |

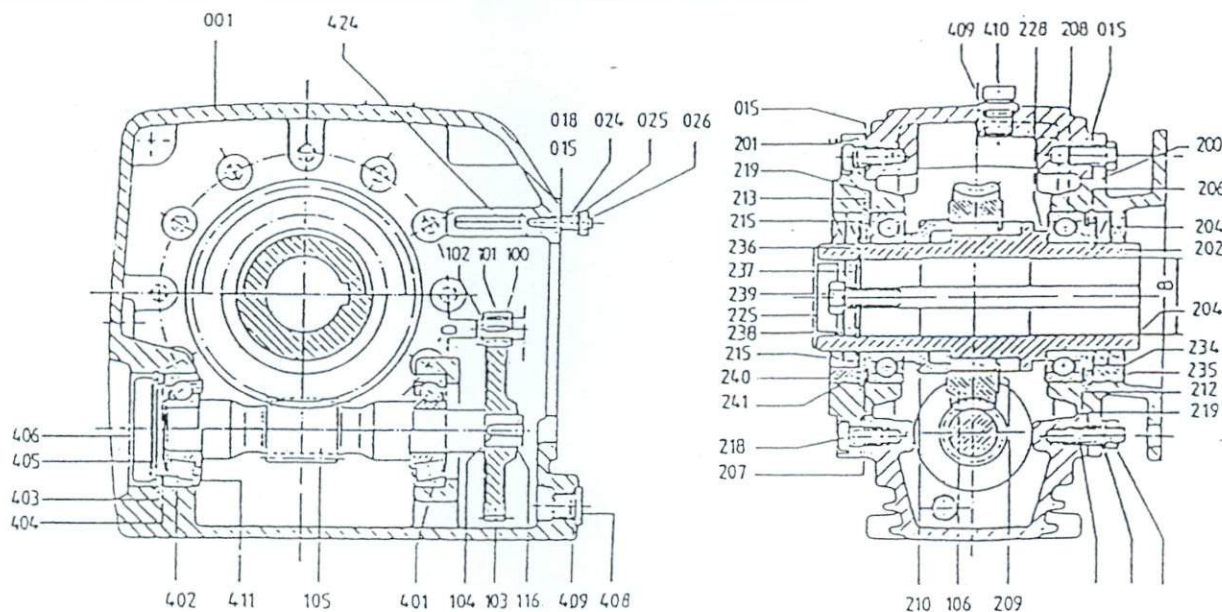
Maß k<sub>8</sub> bei Bremsmotoren  
Dimension k<sub>8</sub> for brake-motors  
Cote k<sub>8</sub> pour moteurs-frein

# Speed-reducer type M1 IP55

Hollow shaft  $\varnothing 35$  reduction 241,66

Outlet-torque 256 mN Outlet-velocity 5,6 rpm

I/Q/94/8147  
STR6 EBONITE



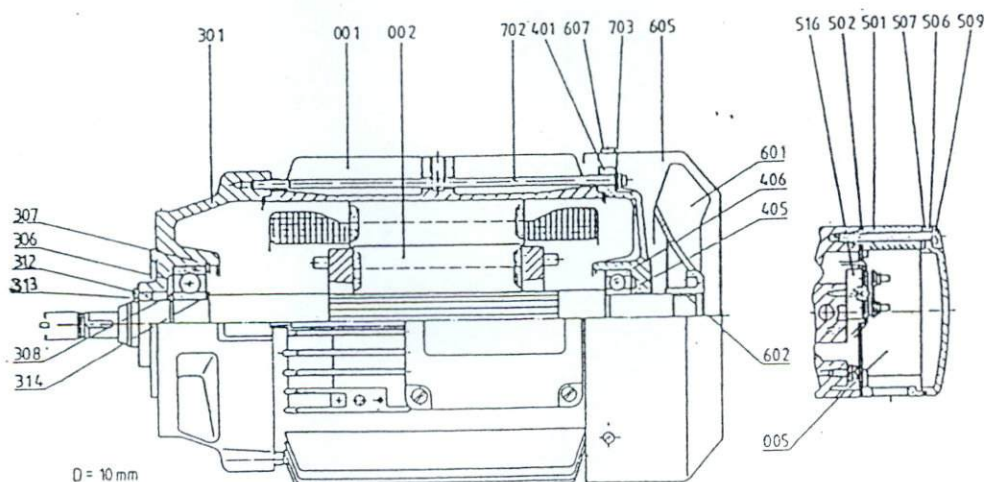
Position of the breather item 410 is corresponding to the type of construction.

Adjust worm shaft without axial-play with shims item 404 is possible.  
Gear item 106 determine with shims item 219, maintain axial play of the output-shaft  $\leq 0,05$  mm.

NB = If required

|      |                    |          |             |         |    |
|------|--------------------|----------|-------------|---------|----|
| 116  | circlip            | 15x1     | DIN 471     | 051271  | 1  |
| 106  | worm gear          |          |             |         |    |
| 105  | worm shaft         |          |             |         |    |
| 104  | key                | B5x5x12  | M533.05     | 441775  | 1  |
| 103  | helical gear wheel |          |             |         |    |
| 102  | circlip for        | SW 10    |             | 4184E0  | 1  |
|      |                    | 12x1     | DIN 471     | 051268  | 1  |
|      |                    | 14x1     | DIN 471     | 051270  | 1  |
|      |                    | 16x1     | DIN 471     | 051272  | 1  |
| 101  | pinion             |          |             |         |    |
| 100  | key for            | A 2x2x12 | M533.05     | 555150  | 1  |
|      |                    | A 3x3x12 | M533.05     | 555177  | 1  |
|      |                    | A 4x4x14 | M533.05     | 555177  | 1  |
|      |                    | A 4x4x16 | M533.05     | 119644  | 1  |
| 026  | hexagon nut        | N 6      | DIN 934-6   | 051063  | 4  |
| 025  | spring washer      | U 6      | DIN 127     | 051208  | 4  |
| 024  | stud               | M 6x20   | DIN 913-6.8 | 050940  | 4  |
| 018  | gasket             |          |             | 516549  | 1  |
| 015  | sealing            | Kr. 40   |             | 623547  | N2 |
| 001  | housing            |          |             | 825 255 | 1  |
| item | Designation        | DIN-Code | Part -No    | No      |    |

| Item | Designation     | DIN - Code              | Part-No. | No. |
|------|-----------------|-------------------------|----------|-----|
|      | shrink disc     |                         |          |     |
| 431  | locking cap     |                         |          |     |
| 430  | screw           |                         |          |     |
| 429  | oil seal        |                         |          |     |
| 424  | gallace ring    |                         |          |     |
| 415  | eye bolt        |                         | 851 302  | 1   |
| 410  | breather        |                         |          |     |
| 409  | o-ring          | M 16 x 1,5              | 789 348  | 1   |
| 408  | plain plug      | 14 x 2                  | 053 109  | 5   |
| 406  | locking cap     | M 16 x 1,5 DIN 906      | 789 330  | 2   |
| 405  | circclip        | VK 52x10                | 690929   | 1   |
| 404  | ohim ring       | 52x2 DIN 472            | 051 006  | 1   |
| 404  | ohim ring       | 42x52x0,4 DIN 988       | 696935   | 53  |
| 404  | ohim ring       | 42x52x0,15 DIN 988      | 696927   | 52  |
| 403  | supporting ring | 42x52x0,1 DIN 988       | 051 005  | 51  |
| 402  | bearing         | S 42x52x2,5 DIN 988     | 429615   | 1   |
| 401  | bearing         | 7304 5 DIN 628          | 429615   | 1   |
| 241  | o-ring          |                         |          |     |
| 240  | sleeve          |                         |          |     |
| 239  | screw           | M 10x45 DIN 931-8.8     | 554 027  | 1   |
| 238  | spring washer   | M 12x50 DIN 931         | 050 755  | 1   |
| 237  | washer          | B 10 DIN 127            | 051 212  | 1   |
| 236  | circclip        | B 12 DIN 127            | 051 214  | 1   |
| 235  | o-ring          | B 13x30                 | 708 550  | 1   |
| 234  | sleeve          | B 13x35                 | 656 520  | 1   |
| 232  | hexagon nut     | 30x1,2 DIN 472          | 051 253  | 1   |
| 231  | spring washer   | 35x1,5 DIN 472          | 051 252  | 1   |
| 229  | supporting ring |                         |          |     |
| 227  | rubber sleeve   |                         |          |     |
| 226  | screw           |                         |          |     |
| 225  | locking cap     | DIN 933                 |          |     |
| 219  | ohim ring       |                         | 851 310  | 1   |
| 219  | ohim ring       |                         | 851 320  | 1   |
| 219  | ohim ring       | DIN 988                 |          |     |
| 219  | ohim ring       | 63x80x0,15 DIN 988      | 697 001  | 2   |
| 219  | ohim ring       | 63x80x0,1 DIN 988       | 429 740  | 2   |
| 217  | screw           | M 8x16 DIN 6912-8.8     | 021 358  | 5   |
| 217  | screw           | M8 x 25 DIN 939         | 190 799  | 6   |
| 215  | oil seal        | A50x80x5 DIN 5760       | 064 335  | 2   |
| 214  | locking cap     |                         |          |     |
| 213  | circclip        |                         |          |     |
| 212  | supporting ring | 80x2,5 DIN 472          | 051 323  | 1   |
| 211  | bearing         | 66x80x: DIN 988         | 690 989  | 2   |
| 210  | sleeve          | 6010 2                  | 040 469  | 1   |
| 209  | key             | 51x79x14                | 861 677  | 1   |
| 208  | bearing         | B 14x9x25 N533.05       | 861 596  | 1   |
| 207  | supporting ring | 6010 2 DIN 625          | 040 468  | 1   |
| 206  | circclip        | 66x80x: DIN 988         | 690 989  | 2   |
| 204  | oil seal        | 90x2,5 DIN 472          | 051 323  | 1   |
| 203  | key             | AS 50x50x10/12 DIN 6605 | 691 127  | 2   |
| 202  | hollow shaft    |                         | 871 460  | 1   |
| 201  | flange cover    |                         | 871 478  | 1   |
| 200  | output flange   |                         | 825 263  | 1   |
|      |                 |                         | 825 330  | 1   |
| Item | Designation     | DIN - Code              | Part-No. | No. |



In case of protection IP 55

|      |                       |                        |             |           |     |
|------|-----------------------|------------------------|-------------|-----------|-----|
| 703  | lock washer           | B 5                    | DIN 127     | 051 207   | 3   |
| 702  | screw                 | M 5x128                | N 503.03    | 322 121   | 3   |
|      |                       |                        |             |           |     |
| 607  | screw                 | M 4x82                 | DIN 84      | 385 913   | 3   |
| 605  | fan cover             |                        |             | 107 387   | 1   |
| 602  | tolerance ring        | BH 15x10               |             | 051 734   | 1   |
| 601  | fan                   |                        |             | 107 352   | 1   |
|      |                       |                        |             |           |     |
| 516  | terminal board compl. | 6x4 4                  |             | 437 409   | 1   |
| 509  | screw                 | M 4x48                 | N 501.04    | 050 540   | 4   |
| 507  | gasket                |                        |             | 107 468   | 1   |
| 506  | cover                 |                        |             | 396 052   | 1   |
| 502  | gasket                |                        |             | 107 476   | 1   |
| 501  | frame                 |                        |             | 350 842   | 1   |
|      |                       |                        |             |           |     |
| 406  | bearing               | 6202-2RS               | DIN 625 (1) | 016 058   | 1   |
| 405  | bearing               | 6202-22                | DIN 625     | 011 672   | 1   |
| 405  | curved spring washer  | 34, 1x0, 3             |             | 051 780   | 1   |
| 401  | end-shield            |                        |             | 101 621   | 1   |
|      |                       |                        |             |           |     |
| 314  | supporting ring       | S 17x24x1,5            | DIN 988     | 412 910   | 1   |
| 313  | splash ring           |                        |             | 405 914   | 1   |
| 312  | oil seal              | A 17x28x7              | DIN 3760-NB | 196 460   | 1   |
| 308  | circlip               | 17x1                   | DIN 471     | 051 273   | 1   |
| 307  | circlip               | 40x1,75                | DIN 472     | 051 298   | 1   |
| 306  | bearing               | 6203 2                 | DIN 625     | 016 125   | 1   |
|      |                       |                        |             |           |     |
| 301  | end-shield            | E/2/D 80, C 101, K 100 |             | 661 813   | 1   |
|      |                       | E/2/D 60, C 80, K 80   |             | 661 210   | 1   |
|      |                       | E/2/D 40, C 60, K 60   |             | 661 791   | 1   |
|      |                       | E/20,D/2 30,C 20, C 40 |             | 411 698   | 1   |
|      |                       |                        |             |           |     |
| 005  | terminal-system cpl.  |                        |             | 395 579   | 1   |
| 002  | rotor                 |                        |             | 415 596   | 1   |
| 001  | stator, not wound     |                        |             | 588 610   | 1   |
| item | Designation           | DIN - Code             |             | Part - No | No. |