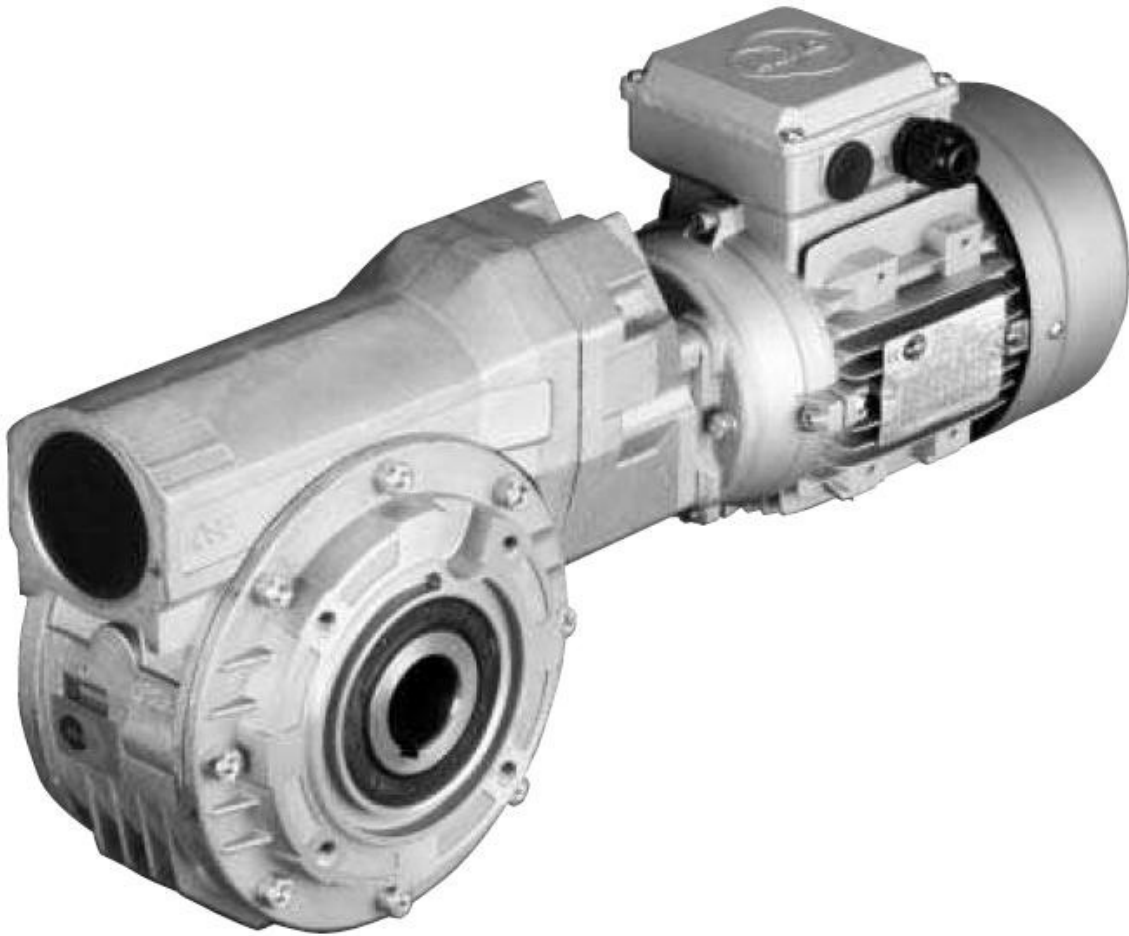


**STIRNRADSCHNECKEN-  
GETRIEBEMOTOREN**

**RAVP**

ALMO



### Eigenschaften:

Die Schneckengetriebe und Stirnradvorstufen besitzen folgende Eigenschaften:

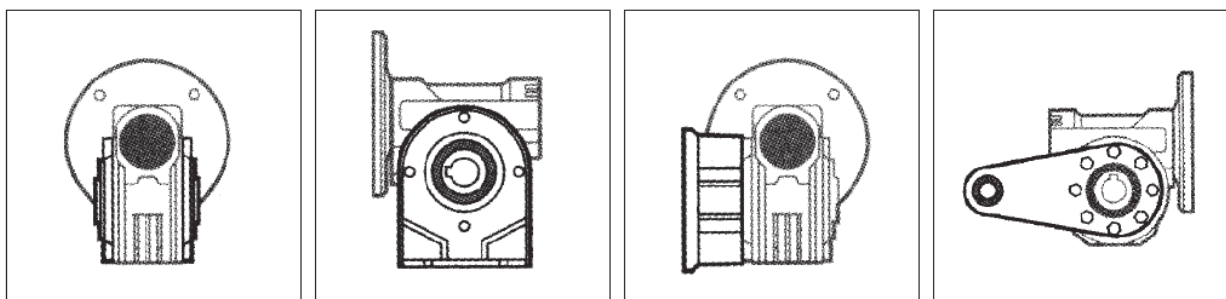
- Schneckengetriebe und Vorstufe besitzen ein Aluminiumgehäuse
- Die Stirnradvorstufen sind mit long life Synthetischschmierstoff befüllt
- Die Schneckengetriebe der Baugrößen 030, 040, 050 und 063 sind mit Synthetiköl (Viskosität 320), die Schneckengetriebe der Baugrößen 075 und 090 sind mit Mineralöl (Viskosität 460) befüllt.

### Bezeichnung:

| GETRIEBE |                                    |                      |             |                       |           |                                  | MOTOR                 |           |           |              |                          |
|----------|------------------------------------|----------------------|-------------|-----------------------|-----------|----------------------------------|-----------------------|-----------|-----------|--------------|--------------------------|
| RAVP     | 63/050                             | U                    | 58.3        | P63                   | B5        | B3                               | 63A4                  | B5        | 230/400 V | 50Hz         | T1                       |
| Type     | Größe                              | Ausführung           | Übersetzung | Größe<br>             | Bauform   | Einbaulage                       | Größe<br>             | Bauform   | Spannung  | Frequenz     | Lage<br>Klemmenkasten    |
| RAVP     | 45<br>50<br>63<br>63A<br>85<br>110 | FB<br>P.<br>F.<br>BR |             | 56..<br>—<br>90..<br> | B5<br>B14 | B3<br>B8<br>B6<br>B7<br>V5<br>V6 | 56..<br>—<br>80..<br> | B5<br>B14 | —         | 50Hz<br>60Hz | T1<br>T2<br>T3<br>T4<br> |

### Ausführungen:

Die Stirnradschneckengetriebe RAVP werden in 4 Ausführungen angeboten.



FB

P.

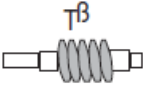
F.

BR

### Symbole:

|    |         |                   |    |     |               |
|----|---------|-------------------|----|-----|---------------|
| n1 | [min-1] | Eintriebsdrehzahl | sf |     | Servicefaktor |
| n2 | [min-1] | Abtriebsdrehzahl  | R2 | [N] | Radialkraft   |
| i  |         | Übersetzung       |    |     |               |
| P1 | [kW]    | Motorleistung     |    |     |               |
| M2 | [Nm]    | Abtriebsmoment    |    |     |               |

## Radsätze:

|  | P45               | P50                                                                                                                     | P63<br>P6A                  | P85  | P10             |                                                                                                                                    |
|-----------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------|------|-----------------|------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   | i                 |                                                                                                                         |                             |      |                 |                                                                                                                                    |
| >25°                                                                              | 30.1              |                                                                                                                         |                             |      |                 | >25°<br>Totale Reversierung –<br>keine Selbsthemmung                                                                               |
| 12° - 25°                                                                         | 43.0<br>60.2      | 30.1<br>43.0                                                                                                            |                             |      | 42<br>48<br>125 | 12° - 25°<br><br>Statische Reversierbarkeit<br>Schneller Durchlauf<br>Dynamische Reversierbarkeit                                  |
| 8° - 12°                                                                          | 90.3              | 60.2<br>77.4                                                                                                            | 29.9<br>37.7<br>87.8<br>111 |      |                 | 8° - 12°<br><br>Variable statische Selbsthemmung<br>Schneller Durchlauf im Falle von<br>Vibrationen<br>Dynamische Reversierbarkeit |
| 5° - 8°                                                                           | 120               | 112<br>155                                                                                                              | 47.1<br>56.6<br>139<br>166  | 59.7 | 83.2            | 5° - 8°<br><br>Statische Selbsthemmung<br>Durchlauf im Falle von Vibrationen<br>Etwas dynamische Selbsthemmung                     |
|                                                                                   |                   |                                                                                                                         |                             | 72.3 | 101             |                                                                                                                                    |
|                                                                                   |                   |                                                                                                                         |                             | 81.7 | 176             |                                                                                                                                    |
|                                                                                   |                   |                                                                                                                         |                             | 176  | 208             |                                                                                                                                    |
|                                                                                   |                   |                                                                                                                         |                             | 213  | 245             |                                                                                                                                    |
| 240                                                                               | 296               | 3° - 5°<br><br>Statische Selbsthemmung<br>Etwas Durchlauf im Falle von Vibrationen<br>Leichte dynamische Selbsthemmung* |                             |      |                 |                                                                                                                                    |
| 328                                                                               | 334               |                                                                                                                         |                             |      |                 |                                                                                                                                    |
| 403                                                                               | 403               | 1° - 3°<br><br>Statische Selbsthemmung<br>Kein Durchlaufen<br>Leichte dynamische Selbsthemmung*                         |                             |      |                 |                                                                                                                                    |
| 70.7                                                                              | 132               |                                                                                                                         |                             |      |                 |                                                                                                                                    |
| 105                                                                               | 132               |                                                                                                                         |                             |      |                 |                                                                                                                                    |
| 3° - 5°                                                                           | 159<br>198<br>258 | 185<br>258<br>292                                                                                                       | 208                         | 422  | 529             | 1° - 3°<br><br>Statische Selbsthemmung<br>Kein Durchlaufen<br>Leichte dynamische Selbsthemmung*                                    |
|                                                                                   |                   |                                                                                                                         | 310                         | 466  | 624             |                                                                                                                                    |
|                                                                                   |                   |                                                                                                                         | 370                         | 605  |                 |                                                                                                                                    |
| 1° - 3°                                                                           | 301<br>439        | 344<br>430                                                                                                              | 434                         |      |                 |                                                                                                                                    |

\* Bitte beachten Sie: Eine totale Selbsthemmung kann nicht garantiert werden, da es im Falle von Vibrationen zum Selbstdurchdrehen kommen kann. Zur absoluten Sicherheit ist ein Bremsmotor zu verwenden.

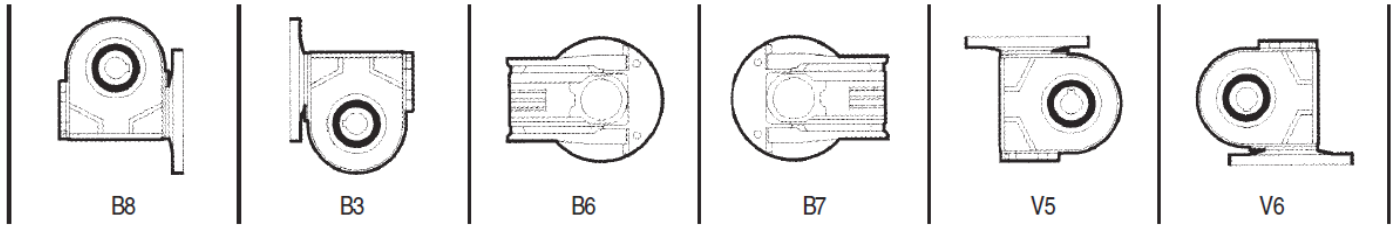
## Schmierstoffe:

Die Getriebe sind für die Einbaulagen B3, B6, B7 und B8 mit Schmierstoff befüllt. Bei Einbaulage V5 und V6 bitte um Rücksprache. Bei Baugröße 110 muss die Schmierstoffmenge der Einbaulage gemäß nachfolgender Tabelle angepasst werden.

| Empfohlene Schmierstoffe |                 |                  |               |                    |
|--------------------------|-----------------|------------------|---------------|--------------------|
|                          | AGIP            | KLUBER           | SHELL         | MOBIL              |
| 030÷110                  | Tellium VSF 320 | Syntheso D220 EP | Tivela Oil WB | Glygoyl 30 SHC 630 |

### Einbaulagen:

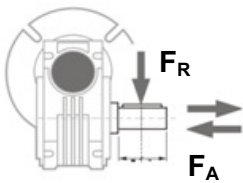
#### Einbaulagen



Getriebe der Größen 45 bis 85 sind lebensdauer geschmiert und wartungsfrei. Bei Getriebegröße 110 ist ein Ölwechsel nach 400 Stunden und danach alle 4000 Stunden notwendig.

|         | Öfüllmenge                                              |    |    |    | Lebensdauer-<br>schmierung |
|---------|---------------------------------------------------------|----|----|----|----------------------------|
|         | B3                                                      | B8 | B6 | B7 |                            |
| RAVP045 | 0,09/0,04                                               |    |    |    |                            |
| RAVP050 | 0,18/0,04                                               |    |    |    |                            |
| RAVP063 | 0,4/0,08                                                |    |    |    |                            |
| RAVP63A | 0,4/0,08                                                |    |    |    |                            |
| RAVP085 | 1,2/0,14                                                |    |    |    |                            |
| RAVP110 | 2 : 1,5 / 0,14 – mittels Füllstandschaube kontrollieren |    |    |    |                            |

### Querkräfte:






| $n_2$<br>[min <sup>-1</sup> ] | P45          |              | P50          |              | P63/P6A      |              | P85          |              | P10          |              |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                               | $F_A$<br>[N] | $F_R$<br>[N] | $F_A$<br>[N] | $F_R$<br>[N] | $F_A$<br>[N] | $F_R$<br>[N] | $F_A$<br>[N] | $F_R$<br>[N] | $F_A$<br>[N] | $F_R$<br>[N] |
| 75                            | 240          | 1200         | 340          | 1700         | 500          | 2500         | 700          | 3500         | 800          | 4000         |
| 50                            | 260          | 1400         | 380          | 1900         | 600          | 3000         | 800          | 4000         | 920          | 4600         |
| 25                            | 300          | 1800         | 480          | 2500         | 700          | 3800         | 1000         | 5000         | 1200         | 6000         |
| 15-6                          | 400          | 2000         | 560          | 2800         | 800          | 4000         | 1160         | 5800         | 1400         | 7000         |




# STIRNRADSCHNECKEN- GETRIEBEMOTOREN




# RAVP




# ALMO




## Technische Daten




| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i    |  |  |  |
|----------------------------|------------|-----|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>0.09kW</b>              |            |     |      |                                                                                   |                                                                                   |                                                                                   |
| 3,3                        | 172        | 1   | 420  | RAVP63                                                                            | - MTA 63K4                                                                        | 12                                                                                |
| 3,9                        | 159        | 1   | 356  |                                                                                   |                                                                                   |                                                                                   |
| 4,7                        | 139        | 1   | 300  |                                                                                   |                                                                                   |                                                                                   |
| 7                          | 103        | 1,5 | 200  |                                                                                   |                                                                                   |                                                                                   |
| 9                          | 82         | 2,1 | 160  |                                                                                   |                                                                                   |                                                                                   |
| 10                         | 81         | 2,1 | 134  |                                                                                   |                                                                                   |                                                                                   |
| 13                         | 63         | 3,1 | 107  |                                                                                   |                                                                                   |                                                                                   |
| 10                         | 72         | 1   | 143  | RAVP50                                                                            | - MTA 63K4                                                                        | 9                                                                                 |
| 12                         | 63         | 1   | 120  |                                                                                   |                                                                                   |                                                                                   |
| 15                         | 49         | 1   | 93   | RAVP45                                                                            | - MTA 63K4                                                                        | 8                                                                                 |
| 20                         | 36         | 1   | 70   |                                                                                   |                                                                                   |                                                                                   |
| 30                         | 28         | 2,1 | 47   |                                                                                   |                                                                                   |                                                                                   |
| 42                         | 20         | 2,1 | 33,3 |                                                                                   |                                                                                   |                                                                                   |
| 60                         | 15         | 2,1 | 23,3 |                                                                                   |                                                                                   |                                                                                   |




| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i    |  |  |  |
|----------------------------|------------|-----|------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>0.18kW</b>              |            |     |      |                                                                                    |                                                                                    |                                                                                    |
| 7                          | 154        | 1   | 200  | RAVP63                                                                             | - MTA 63G4                                                                         | 12                                                                                 |
| 9                          | 123        | 1,4 | 160  |                                                                                    |                                                                                    |                                                                                    |
| 10                         | 121        | 1,4 | 134  |                                                                                    |                                                                                    |                                                                                    |
| 30                         | 42         | 1,4 | 47   | RAVP45                                                                             | - MTA 63G4                                                                         | 8                                                                                  |
| 42                         | 31         | 1,4 | 33,3 |                                                                                    |                                                                                    |                                                                                    |
| 60                         | 22         | 1,4 | 23,3 |                                                                                    |                                                                                    |                                                                                    |




| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i    |  |  |  |
|----------------------------|------------|-----|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>0.25kW</b>              |            |     |      |                                                                                     |                                                                                     |                                                                                     |
| 2,9                        | 415        | 1   | 486  | RAVP85                                                                              | - MTA 71K4                                                                          | 27                                                                                  |
| 3,1                        | 424        | 1   | 451  |                                                                                     |                                                                                     |                                                                                     |
| 3,4                        | 434        | 1   | 409  |                                                                                     |                                                                                     |                                                                                     |
| 4,4                        | 340        | 1   | 317  |                                                                                     |                                                                                     |                                                                                     |
| 5,5                        | 272        | 1   | 256  |                                                                                     |                                                                                     |                                                                                     |
| 6,8                        | 227        | 1,5 | 205  |                                                                                     |                                                                                     |                                                                                     |
| 8,2                        | 196        | 2,2 | 170  |                                                                                     |                                                                                     |                                                                                     |
| 9                          | 171        | 1   | 160  | RAVP63                                                                              | - MTA 71K4                                                                          | 15                                                                                  |
| 10                         | 168        | 1   | 134  |                                                                                     |                                                                                     |                                                                                     |
| 30                         | 58         | 1   | 47   | RAVP45                                                                              | - MTA 71K4                                                                          | 10                                                                                  |
| 42                         | 43         | 1   | 33,3 |                                                                                     |                                                                                     |                                                                                     |
| 60                         | 30         | 1   | 23,3 |                                                                                     |                                                                                     |                                                                                     |




| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i   |  |  |  |
|----------------------------|------------|-----|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>0.37kW</b>              |            |     |     |                                                                                     |                                                                                     |                                                                                     |
| 6,8                        | 336        | 1   | 205 | RAVP85                                                                              | - MTA 71G4                                                                          | 28                                                                                  |
| 8,2                        | 291        | 1,5 | 170 |                                                                                     |                                                                                     |                                                                                     |
| 13                         | 168        | 2   | 104 |                                                                                     |                                                                                     |                                                                                     |
| 17                         | 130        | 3   | 81  |                                                                                     |                                                                                     |                                                                                     |
| 19                         | 120        | 3   | 72  |                                                                                     |                                                                                     |                                                                                     |
| 24                         | 99         | 3   | 59  |                                                                                     |                                                                                     |                                                                                     |




| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i   |  |  |  |
|----------------------------|------------|-----|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>0.55kW</b>              |            |     |     |                                                                                     |                                                                                     |                                                                                     |
| 4,8                        | 728        | 1   | 289 | RAVP110                                                                             | - MTA 80K4                                                                          | 51                                                                                  |
| 5,7                        | 639        | 1   | 245 |                                                                                     |                                                                                     |                                                                                     |
| 6,8                        | 550        | 1,4 | 207 |                                                                                     |                                                                                     |                                                                                     |
| 8,5                        | 446        | 1,4 | 164 |                                                                                     |                                                                                     |                                                                                     |
| 11                         | 363        | 2,7 | 125 |                                                                                     |                                                                                     |                                                                                     |
| 15                         | 243        | 2,7 | 94  |                                                                                     |                                                                                     |                                                                                     |
| 8,2                        | 432        | 1   | 170 | RAVP85                                                                              | - MTA 80K4                                                                          | 30                                                                                  |
| 13                         | 249        | 1,4 | 104 |                                                                                     |                                                                                     |                                                                                     |
| 17                         | 194        | 2   | 81  |                                                                                     |                                                                                     |                                                                                     |
| 19                         | 179        | 2   | 72  |                                                                                     |                                                                                     |                                                                                     |
| 24                         | 148        | 2   | 59  |                                                                                     |                                                                                     |                                                                                     |

| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i   |  |  |  |
|----------------------------|------------|-----|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>0.75kW</b>              |            |     |     |                                                                                     |                                                                                     |                                                                                     |
| 6,8                        | 750        | 1   | 207 | RAVP110                                                                             | - MTA 80G4                                                                          | 52                                                                                  |
| 8,5                        | 608        | 1   | 164 |                                                                                     |                                                                                     |                                                                                     |
| 11                         | 495        | 2   | 125 |                                                                                     |                                                                                     |                                                                                     |
| 15                         | 331        | 2   | 94  |                                                                                     |                                                                                     |                                                                                     |
| 18                         | 284        | 2,4 | 80  |                                                                                     |                                                                                     |                                                                                     |
| 13                         | 340        | 1   | 104 | RAVP85                                                                              | - MTA 80G4                                                                          | 30                                                                                  |
| 17                         | 264        | 1,5 | 81  |                                                                                     |                                                                                     |                                                                                     |
| 19                         | 244        | 1,5 | 72  |                                                                                     |                                                                                     |                                                                                     |
| 24                         | 201        | 1,5 | 59  |                                                                                     |                                                                                     |                                                                                     |

| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i   |  |  |  |
|----------------------------|------------|-----|-----|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>1.1kW</b>               |            |     |     |                                                                                       |                                                                                       |                                                                                       |
| 11                         | 726        | 1,4 | 125 | RAVP110                                                                               | - MTA 90S4                                                                            | 54                                                                                    |
| 15                         | 486        | 1,4 | 94  |                                                                                       |                                                                                       |                                                                                       |
| 18                         | 416        | 1,6 | 80  |                                                                                       |                                                                                       |                                                                                       |
| 22                         | 345        | 2   | 63  |                                                                                       |                                                                                       |                                                                                       |
| 29                         | 275        | 2,7 | 48  |                                                                                       |                                                                                       |                                                                                       |
| 33                         | 248        | 2,7 | 42  |                                                                                       |                                                                                       |                                                                                       |
| 17                         | 387        | 1   | 81  | RAVP85                                                                                | - MTA 90S4                                                                            | 32                                                                                    |
| 19                         | 357        | 1   | 72  |                                                                                       |                                                                                       |                                                                                       |
| 24                         | 295        | 1   | 59  |                                                                                       |                                                                                       |                                                                                       |

| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i   |  |  |  |
|----------------------------|------------|-----|-----|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>1.5kW</b>               |            |     |     |                                                                                       |                                                                                       |                                                                                       |
| 11                         | 990        | 1   | 125 | RAVP110                                                                               | - MTA 90L4                                                                            | 56                                                                                    |
| 15                         | 662        | 1   | 94  |                                                                                       |                                                                                       |                                                                                       |
| 18                         | 567        | 1,2 | 80  |                                                                                       |                                                                                       |                                                                                       |
| 22                         | 470        | 1,5 | 63  |                                                                                       |                                                                                       |                                                                                       |
| 29                         | 375        | 2   | 48  |                                                                                       |                                                                                       |                                                                                       |
| 33                         | 338        | 2   | 42  |                                                                                       |                                                                                       |                                                                                       |

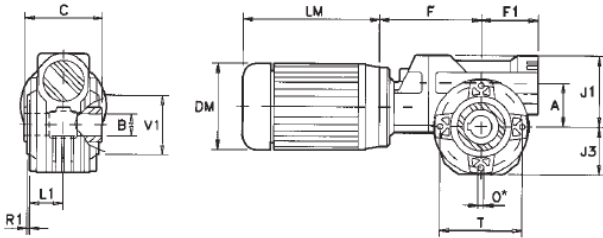
| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf  | i  |  |  |  |
|----------------------------|------------|-----|----|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>2.2kW</b>               |            |     |    |                                                                                       |                                                                                       |                                                                                       |
| 18                         | 832        | 0,8 | 80 | RAVP110                                                                               | - MTA100L4                                                                            | 62                                                                                    |
| 22                         | 690        | 1   | 63 |                                                                                       |                                                                                       |                                                                                       |
| 29                         | 551        | 1,4 | 48 |                                                                                       |                                                                                       |                                                                                       |
| 33                         | 496        | 1,4 | 42 |                                                                                       |                                                                                       |                                                                                       |

| n2<br>[min <sup>-1</sup> ] | M2<br>[Nm] | sf | i  |  |  |  |
|----------------------------|------------|----|----|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>3.0kW</b>               |            |    |    |                                                                                       |                                                                                       |                                                                                       |
| 29                         | 751        | 1  | 48 | RAVP110                                                                               | - MTA100Lx4                                                                           | 65                                                                                    |
| 33                         | 676        | 1  | 42 |                                                                                       |                                                                                       |                                                                                       |

### Abmessungen:

#### RAVP

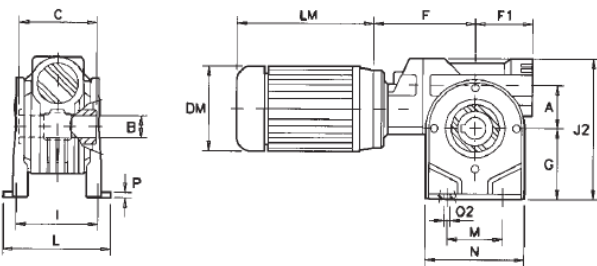
#### RAVP FB



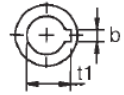
#### \*Flanschbohrungen

|                                 |  |
|---------------------------------|--|
| RAVP 45<br>RAVP 50              |  |
| RAVP 63<br>RAVP 63A<br>RAVP 110 |  |
| RAVP 85                         |  |

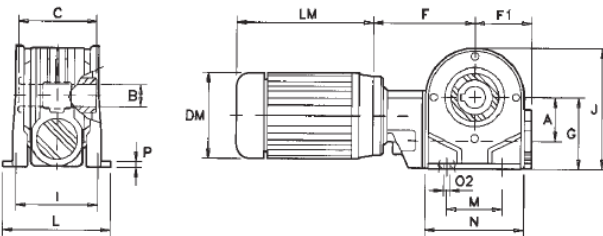
#### RAVP PA



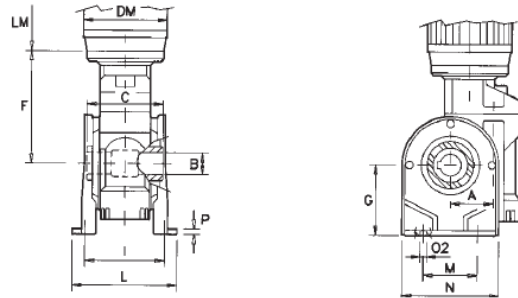
|          | b  | t1   |
|----------|----|------|
| RAVP 45  | 6  | 20,8 |
| RAVP 50  | 8  | 28,3 |
| RAVP 63  | 8  | 28,3 |
| RAVP 63A | 8  | 31,3 |
| RAVP 85  | 10 | 38,3 |
| RAVP 110 | 12 | 45,3 |



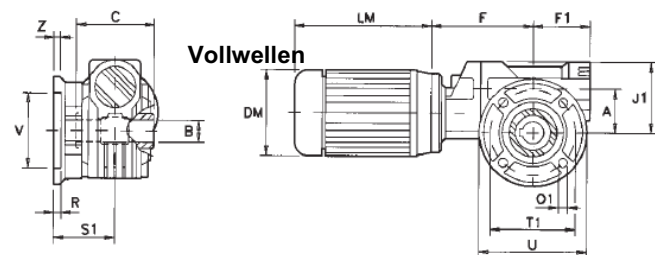
#### RAVP PV



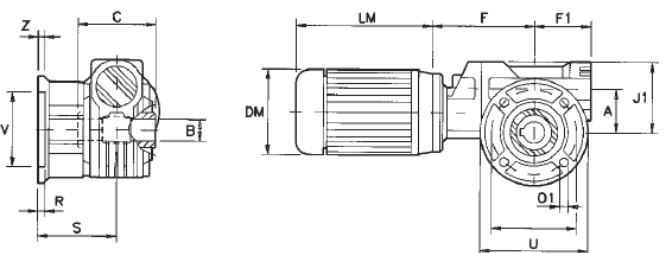
#### RAVP PV



#### RAVP FC



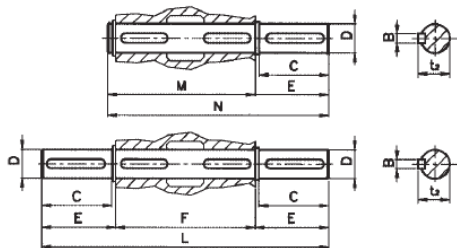
#### RAVP FL



## Abmessungen

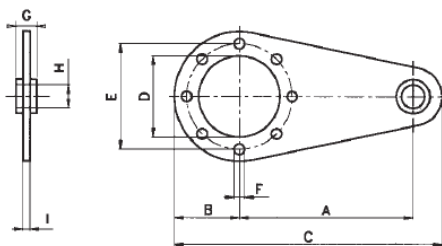
| Type    | RAVP 45        | RAVP 50        | RAVP 63         |             | RAVP 63A          |             | RAVP 85     | RAVP 110        |
|---------|----------------|----------------|-----------------|-------------|-------------------|-------------|-------------|-----------------|
| i       |                |                | 1/29.5+1/107    | 1/134+1/420 | 1/29.5+1/107      | 1/134+1/420 |             |                 |
| A       | 45             | 50             | 63              |             | 63                |             | 85          | 110             |
| BH7     | 18             | 25             | 25              |             | 28                |             | 35          | 42              |
| C       | 65             | 81             | 120             |             | 120               |             | 135         | 155             |
| F Max   | 136            | 141            | 178.2           | 159.8       | 178.2             | 159.8       | 196.5       | 214             |
| F1      | 55             | 65             | 79              |             | 79                |             | 98          | 118             |
| G       | 72 ±0.2        | 82 ±0.2        | 100 ±0.2        |             | 115 ±0.2          |             | 142 ±0.2    | 170 ±0.2        |
| I       | 80-81          | 98-100         | 110-111         |             | 115               |             | 145         | 180             |
| J       | 121            | 138.5          | 170             |             | 170               |             | 236.5       | 286             |
| J1      | 72             | 81             | 100             |             | 100               |             | 138         | 163             |
| J2      | 144            | 163            | 200             |             | 215               |             | 280         | 333             |
| J3      | 49             | 54.5           | 70              |             | 70                |             | 94.5        | 116             |
| L       | 100            | 123            | 144             |             | 142               |             | 182         | 224             |
| L1      | 35             | 38             | 45              |             | 45                |             | 64          | 74              |
| M       | 50-52          | 63-65          | 95              |             | 120               |             | 140         | 200             |
| N       | 98             | 113            | 133             |             | 156               |             | 180         | 240             |
| O       | 4 - M6x14      | 4 - M6x9       | 8 - M8x17       |             | 8 - M8x17         |             | 4 - M10x18  | 8 - M12x30      |
| O1      | 8.5            | 10.5           | 10.5            |             | 13                |             | 13          | 13              |
| O2      | 10.5           | 10.5           | 10.5            |             | 11                |             | 10.5        | 13              |
| P       | 3              | 3.5            | 4               |             | 12                |             | 5           | 22              |
| R       | 9              | 9              | 7               |             | 7                 |             | 10          | 11              |
| R1      | 2              | 3              | 5               |             | 5                 |             | 3.5         | 3.5             |
| S (FL)  | -              | 85             | 116             |             | 111               |             | 148.5       | 179.5           |
| S1 (FC) | 60.5           | -              | 86              |             | 85                |             | 108         | 131.5           |
| T       | 65             | 94             | 90              |             | 90                |             | 130         | 165             |
| T1      | 87             | 90             | 150             |             | 165               |             | 176         | 230             |
| U       | 110            | 123            | 175             |             | 200               |             | 205         | 270             |
| V       | 60 +0.05 +0.15 | 70 +0.10 +0.20 | 115 +0.10 +0.20 |             | 130 +0.083 +0.043 |             | 152 +0.06 0 | 170 +0.04 +0.08 |
| V1 h8   | 50             | 68             | 75              |             | 75                |             | 110         | 130             |
| Z       | 9              | 12             | 13              |             | 13                |             | 16          | 16.5            |

## Abtriebswellen



| Type/ Typ | B  | C  | D <sub>h6</sub> | E    | M     | N   | F   | L     | t <sub>2</sub> |
|-----------|----|----|-----------------|------|-------|-----|-----|-------|----------------|
| RAVP 45   | 6  | 32 | 18              | 43   | 70    | 113 | 65  | 151   | 20.8           |
| RAVP 50   | 8  | 52 | 25              | 60   | 88    | 146 | 81  | 200   | 28.3           |
| RAVP 63   | 8  | 60 | 25              | 63   | 127   | 190 | 120 | 246,4 | 28.3           |
| RAVP 63A  | 8  | 60 | 28              | 63   | 126   | 191 | 120 | 247   | 31.3           |
| RAVP 85   | 10 | 60 | 35              | 73.5 | 140   | 214 | 135 | 282   | 38.3           |
| RAVP 110  | 12 | 75 | 42              | 96.5 | 163.5 | 260 | 155 | 348   | 45.3           |

## Drehmomentstütze



| Type/ Typ | A   | B   | C   | D   | E   | F  | G  | H  | I |
|-----------|-----|-----|-----|-----|-----|----|----|----|---|
| RAVP 45   | 100 | 45  | 158 | 50  | 65  | 7  | 14 | 8  | 4 |
| RAVP 50   | 100 | 55  | 173 | 68  | 94  | 7  | 14 | 8  | 4 |
| RAVP 63   | 150 | 55  | 235 | 75  | 90  | 9  | 20 | 10 | 6 |
| RAVP 63A  | 200 | 55  | 235 | 75  | 90  | 9  | 20 | 20 | 6 |
| RAVP 85   | 200 | 80  | 320 | 110 | 130 | 11 | 25 | 20 | 6 |
| RAVP 110  | 250 | 100 | 391 | 130 | 165 | 13 | 25 | 20 | 6 |