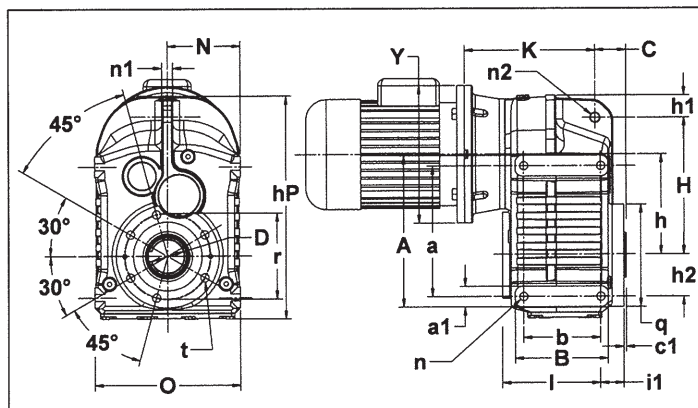
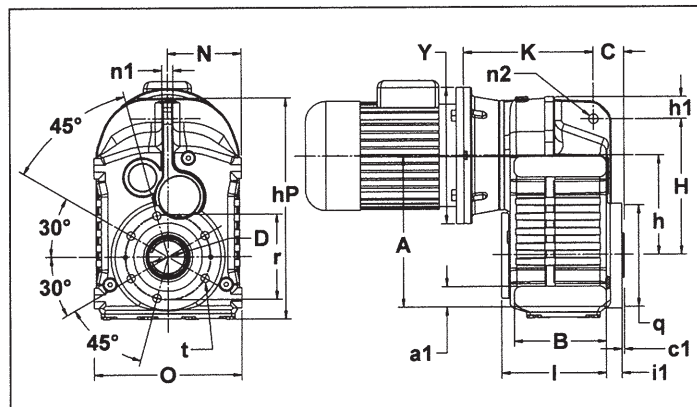
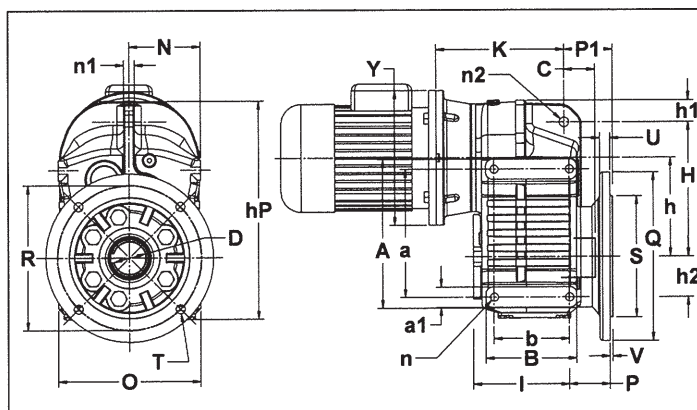
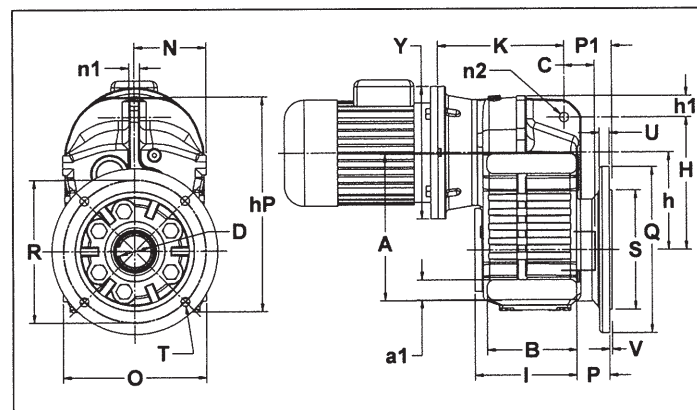
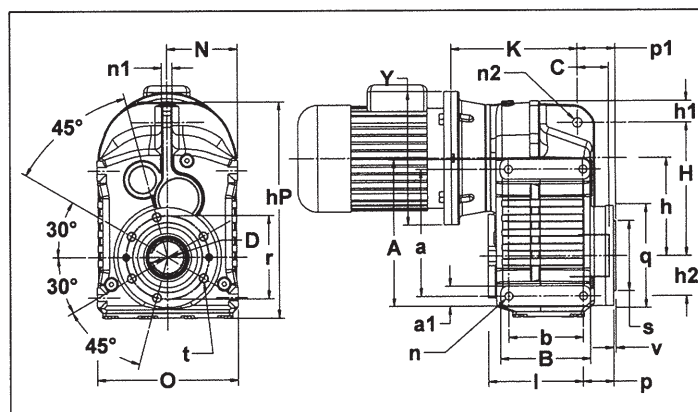
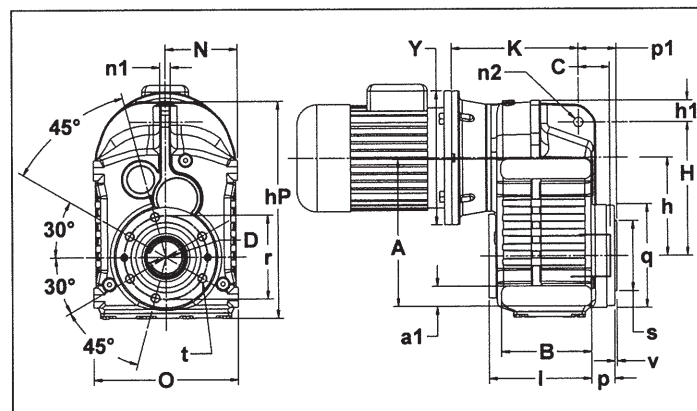


**3.9 Rozměry****3.9 Dimensions****3.9 Abmessungen****PMP****PMF****PMP F1 - F2****PMF F1 - F2****PMP P****PMF P**



Tab. 8.6

| P.P<br>P.F | a   | A   | a1 | b   | B   | C    | c1  | d<br>j6 | d1<br>h6             | D<br>H7                    | E  | h     | hP  | H   | h1   | h2 | I                           | I1                         | m  | M                                   | n                | N                          |
|------------|-----|-----|----|-----|-----|------|-----|---------|----------------------|----------------------------|----|-------|-----|-----|------|----|-----------------------------|----------------------------|----|-------------------------------------|------------------|----------------------------|
| 63         | 115 | 135 | 20 | 77  | 95  | 31.5 | 2,5 | 16      | 30<br>25<br>28       | 30<br>(25)<br>(28)         | 40 | 113.5 | 240 | 152 | 23.5 | 31 | P.F<br>105.5<br>P.P<br>96.5 | P.F<br>11<br>P.P<br>20     | M6 | 188.5<br>2 stadi<br>176.5<br>3stadi | N° 8<br>M8 x 12  | P.F<br>84.5<br>P.P<br>82.5 |
| 71         | 145 | 170 | 25 | 93  | 120 | 32   | 3   | 16      | 35<br>30<br>32       | 35<br>(30)<br>(32)         | 40 | 117   | 268 | 165 | 26   | 43 | P.F<br>131.5<br>P.P<br>119  | P.F<br>15<br>P.P<br>28     | M6 | 155<br>2 stadi<br>182<br>3stadi     | N° 8<br>M10 x 15 | P.F<br>92<br>P.P<br>90     |
| 90         | 190 | 220 | 30 | 112 | 135 | 45   | 3.5 | 19      | 40<br>42<br>45<br>48 | 40<br>(42)<br>(45)<br>(48) | 40 | 147   | 324 | 200 | 33   | 60 | P.F<br>153.5<br>P.P<br>143  | P.F<br>23<br>P.P<br>33.5   | M6 | 227<br>2 stadi<br>249<br>3stadi     | N° 8<br>M12 x 17 | P.F<br>109<br>P.P<br>106   |
| 112        | 240 | 280 | 40 | 140 | 166 | 50   | 4   | 24      | 50<br>(55)           | 50<br>(55)                 | 50 | 184   | 400 | 255 | 35.5 | 70 | P.F<br>218<br>P.P<br>205    | P.F<br>19.5<br>P.P<br>32.5 | M8 | 273.5<br>2 stadi<br>289<br>3stadi   | N° 8<br>M16 x 23 | P.F<br>138<br>P.P<br>135   |

| P.P<br>P.F | n1 | n2 | O          | p           | p1   | P           | P1   | q   | r   | s   | t          | v   |    | Q   | R   | S<br>g6 | T          | U  | V   |
|------------|----|----|------------|-------------|------|-------------|------|-----|-----|-----|------------|-----|----|-----|-----|---------|------------|----|-----|
| 63         | 12 | 14 | P.F<br>169 | P.F<br>22.5 | 43.5 | P.F<br>37.5 | 59   | 105 | 90  | 80  | N°6 M6x12  | 3   | F1 | 160 | 130 | 110     | N°4 ϕ 9    | 10 | 3.5 |
|            |    |    | P.P<br>165 | P.P<br>31.5 |      | P.P<br>46.5 |      |     |     |     |            |     | F2 | -   | -   | -       | -          | -  | -   |
| 71         | 12 | 14 | P.F<br>184 | P.F<br>26   | 46   | P.F<br>43   | 63.5 | 120 | 100 | 80  | N°6 M8x14  | 3   | F1 | 200 | 165 | 130     | N°4 ϕ 11   | 12 | 3.5 |
|            |    |    | P.P<br>180 | P.P<br>39   |      | P.P<br>56   |      |     |     |     |            |     | F2 | 160 | 130 | 110     | N°4 ϕ 9x5  | 10 | 3.5 |
| 90         | 16 | 14 | P.F<br>218 | P.F<br>35   | 57   | P.F<br>49.5 | 72   | 150 | 125 | 105 | N°6 M12x18 | 3.5 | F1 | 250 | 215 | 180     | N°4 ϕ 13.5 | 15 | 4   |
|            |    |    | P.P<br>212 | P.P<br>45.5 |      | P.P<br>60.5 |      |     |     |     |            |     | F2 | —   | —   | —       | —          | —  | —   |
| 112        | 20 | 22 | P.F<br>276 | P.F<br>33.5 | 63   | P.F<br>60.5 | 91   | 175 | 150 | 125 | N°6 M14x21 | 3.5 | F1 | 300 | 265 | 230     | N°4 ϕ 13.5 | 16 | 4   |
|            |    |    | P.P<br>270 | P.P<br>46.5 |      | P.P<br>73.5 |      |     |     |     |            |     | F2 | —   | —   | —       | —          | —  | —   |

Tab. 8.7

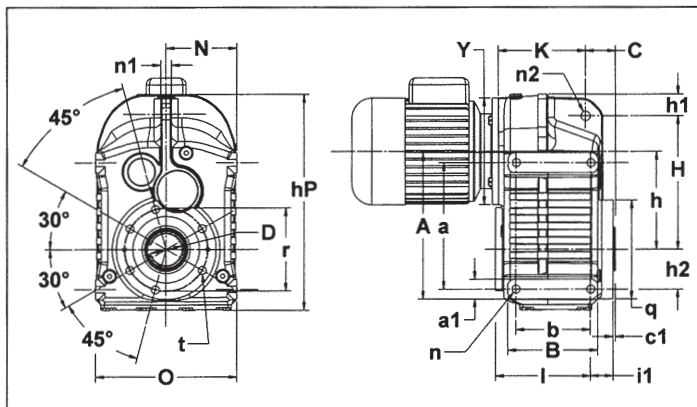
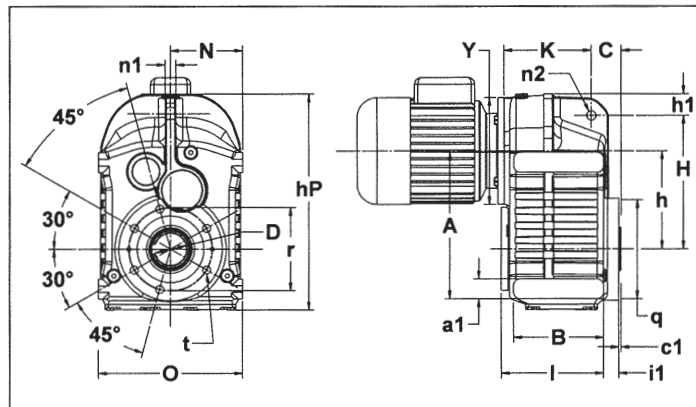
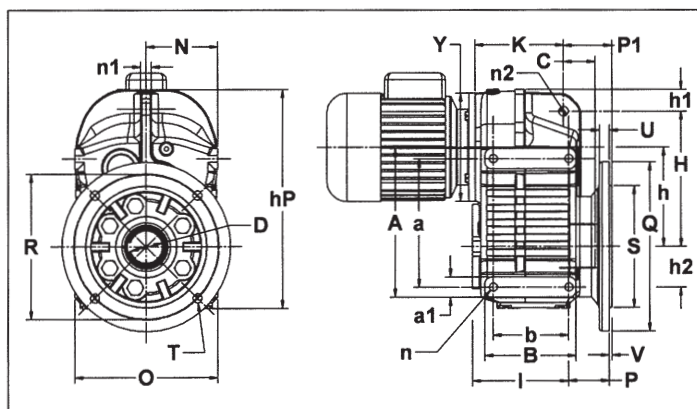
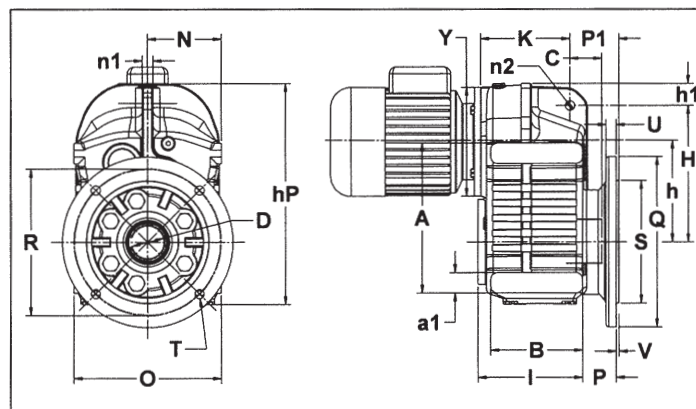
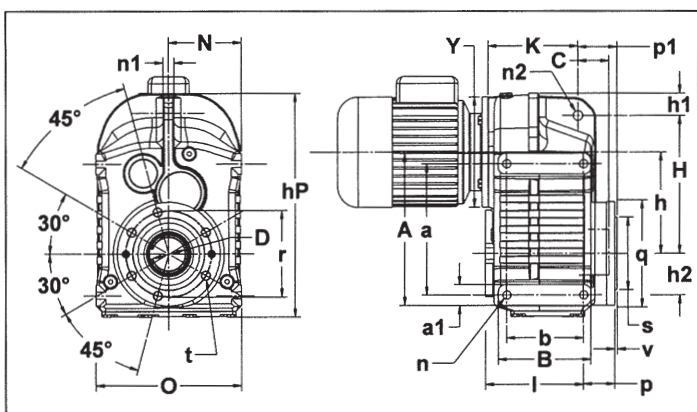
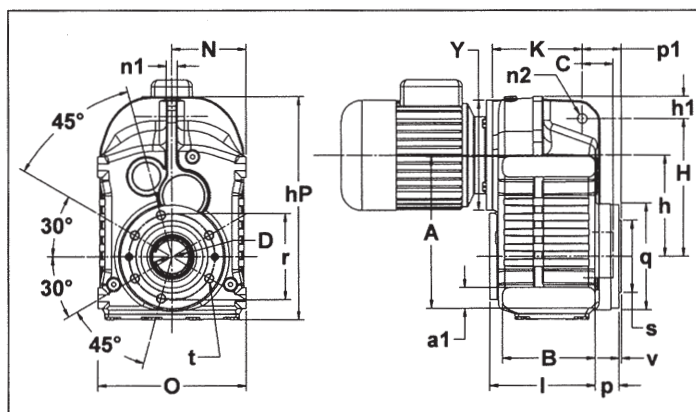
|                                     | IEC | 63  |             |               | 71  |         |                | 90  |         |                | 112 |         |                |
|-------------------------------------|-----|-----|-------------|---------------|-----|---------|----------------|-----|---------|----------------|-----|---------|----------------|
|                                     |     | Y   | K (PM.)     | K (PC.)       | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        |
| PM.<br>PC.<br>2 stadi<br>2 stupňová | B5  | 140 | 120<br>140* | 81<br>(Y=140) | 160 | 159     | 114<br>(Y=140) | 200 | 205     | 131<br>(Y=160) | 250 | 255     | 163<br>(Y=200) |
|                                     |     | 160 | 120<br>140* |               | 200 | 159     |                | 250 | 205     |                | 300 | 255     |                |
|                                     |     | 200 | 140         |               | 250 | 169     |                | 300 | 205     |                | 350 | 255     |                |
|                                     |     | 250 | 150         |               | —   | —       |                | —   | —       |                | —   | —       |                |
|                                     | B14 | 120 | 140         | —             | 120 | 159     | —              | 200 | 205     | —              | —   | —       | —              |
|                                     |     | 140 | 140         | —             | 140 | 159     | —              | —   | —       | —              | —   | —       | —              |
|                                     |     | 160 | 150         | —             | 160 | 169     | —              | —   | —       | —              | —   | —       | —              |

|                                     | IEC | 63  |         |               | 71  |             |                | 90  |         |                | 112 |         |                |
|-------------------------------------|-----|-----|---------|---------------|-----|-------------|----------------|-----|---------|----------------|-----|---------|----------------|
|                                     |     | Y   | K (PM.) | K (PC.)       | Y   | K (PM.)     | K (PC.)        | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        |
| PM.<br>PC.<br>3 stadi<br>3 stupňová | B5  | 140 | 125     | 98<br>(Y=140) | 140 | 153         | 114<br>(Y=140) | 160 | 175     | 131<br>(Y=160) | 200 | 215     | 163<br>(Y=200) |
|                                     |     | 160 | 129     |               | 160 | 153<br>173* |                | 200 | 190     |                | 250 | 230     |                |
|                                     |     | 200 | 153     |               | 200 | 173         |                | 250 | 200     |                | —   | —       |                |
|                                     | B14 | 120 | 153     | —             | 120 | 173         | —              | —   | —       | —              | —   | —       | —              |
|                                     |     | —   | —       | —             | 140 | 173         | —              | —   | —       | —              | —   | —       | —              |

\* Se stahovacím kroužkem  
ve standardní poloze

\* With shrink disc in standard positions.

\* Mit Schrumpfscheibe in Standardposition.

**3.9 Rozměry****3.9 Dimensions****3.9 Abmessungen****PCP****PCF****PCP F1 - F2****PCF F1 - F2****PCP P****PCF P**





Tab. 8.6

| P.P<br>P.F | a   | A   | a1 | b   | B   | C    | c1  | d<br>j6 | d1<br>h6             | D<br>H7                    | E  | h     | hP  | H   | h1   | h2 | I                           | I1                         | m  | M                                   | n                | N                          |
|------------|-----|-----|----|-----|-----|------|-----|---------|----------------------|----------------------------|----|-------|-----|-----|------|----|-----------------------------|----------------------------|----|-------------------------------------|------------------|----------------------------|
| 63         | 115 | 135 | 20 | 77  | 95  | 31.5 | 2,5 | 16      | 30<br>25<br>28       | 30<br>(25)<br>(28)         | 40 | 113.5 | 240 | 152 | 23.5 | 31 | P.F<br>105.5<br>P.P<br>96.5 | P.F<br>11<br>P.P<br>20     | M6 | 188.5<br>2 stadi<br>176.5<br>3stadi | N° 8<br>M8 x 12  | P.F<br>84.5<br>P.P<br>82.5 |
| 71         | 145 | 170 | 25 | 93  | 120 | 32   | 3   | 16      | 35<br>30<br>32       | 35<br>(30)<br>(32)         | 40 | 117   | 268 | 165 | 26   | 43 | P.F<br>131.5<br>P.P<br>119  | P.F<br>15<br>P.P<br>28     | M6 | 155<br>2 stadi<br>182<br>3stadi     | N° 8<br>M10 x 15 | P.F<br>92<br>P.P<br>90     |
| 90         | 190 | 220 | 30 | 112 | 135 | 45   | 3.5 | 19      | 40<br>42<br>45<br>48 | 40<br>(42)<br>(45)<br>(48) | 40 | 147   | 324 | 200 | 33   | 60 | P.F<br>153.5<br>P.P<br>143  | P.F<br>23<br>P.P<br>33.5   | M6 | 227<br>2 stadi<br>249<br>3stadi     | N° 8<br>M12 x 17 | P.F<br>109<br>P.P<br>106   |
| 112        | 240 | 280 | 40 | 140 | 166 | 50   | 4   | 24      | 50<br>(55)           | 50<br>(55)                 | 50 | 184   | 400 | 255 | 35.5 | 70 | P.F<br>218<br>P.P<br>205    | P.F<br>19.5<br>P.P<br>32.5 | M8 | 273.5<br>2 stadi<br>289<br>3stadi   | N° 8<br>M16 x 23 | P.F<br>138<br>P.P<br>135   |

| P.P<br>P.F | n1 | n2 | O                        | p                          | p1   | P                          | P1   | q   | r   | s   | t          | v   |          | Q          | R          | S<br>g6    | T                     | U        | V          |
|------------|----|----|--------------------------|----------------------------|------|----------------------------|------|-----|-----|-----|------------|-----|----------|------------|------------|------------|-----------------------|----------|------------|
| 63         | 12 | 14 | P.F<br>169<br>P.P<br>165 | P.F<br>22.5<br>P.P<br>31.5 | 43.5 | P.F<br>37.5<br>P.P<br>46.5 | 59   | 105 | 90  | 80  | N°6 M6x12  | 3   | F1<br>F2 | 160<br>-   | 130<br>-   | 110<br>-   | N°4 φ 9<br>-          | 10<br>-  | 3.5<br>-   |
| 71         | 12 | 14 | P.F<br>184<br>P.P<br>180 | P.F<br>26<br>P.P<br>39     | 46   | P.F<br>43<br>P.P<br>56     | 63.5 | 120 | 100 | 80  | N°6 M8x14  | 3   | F1<br>F2 | 200<br>160 | 165<br>130 | 130<br>110 | N°4 φ 11<br>N°4 φ 9x5 | 12<br>10 | 3.5<br>3.5 |
| 90         | 16 | 14 | P.F<br>218<br>P.P<br>212 | P.F<br>35<br>P.P<br>45.5   | 57   | P.F<br>49.5<br>P.P<br>60.5 | 72   | 150 | 125 | 105 | N°6 M12x18 | 3.5 | F1<br>F2 | 250<br>—   | 215<br>—   | 180<br>—   | N°4 φ 13.5<br>—       | 15<br>—  | 4<br>—     |
| 112        | 20 | 22 | P.F<br>276<br>P.P<br>270 | P.F<br>33.5<br>P.P<br>46.5 | 63   | P.F<br>60.5<br>P.P<br>73.5 | 91   | 175 | 150 | 125 | N°6 M14x21 | 3.5 | F1<br>F2 | 300<br>—   | 265<br>—   | 230<br>—   | N°4 φ 13.5<br>—       | 16<br>—  | 4<br>—     |

Tab. 8.7

| PM.<br>PC.<br>2 stupňová | IEC | 63  |             |               | 71  |         |                | 90  |         |                | 112 |         |                |
|--------------------------|-----|-----|-------------|---------------|-----|---------|----------------|-----|---------|----------------|-----|---------|----------------|
|                          |     | Y   | K (PM.)     | K (PC.)       | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        |
|                          | B5  | 140 | 120<br>140* | 81<br>(Y=140) | 160 | 159     | 114<br>(Y=140) | 200 | 205     | 131<br>(Y=160) | 250 | 255     | 163<br>(Y=200) |
|                          |     | 160 | 120<br>140* |               | 200 | 159     |                | 250 | 205     |                | 300 | 255     |                |
|                          |     | 200 | 140         |               | 250 | 169     |                | 300 | 205     |                | 350 | 255     |                |
|                          |     | 250 | 150         |               | —   | —       |                | —   | —       |                | —   | —       |                |
|                          | B14 | 120 | 140         | —             | 120 | 159     | —              | 200 | 205     | —              | —   | —       | —              |
|                          |     | 140 | 140         | —             | 140 | 159     | —              | —   | —       | —              | —   | —       | —              |
|                          |     | 160 | 150         | —             | 160 | 169     | —              | —   | —       | —              | —   | —       | —              |

| PM.<br>PC.<br>3 stupňová | IEC | 63  |         |               | 71  |             |                | 90  |         |                | 112 |         |                |
|--------------------------|-----|-----|---------|---------------|-----|-------------|----------------|-----|---------|----------------|-----|---------|----------------|
|                          |     | Y   | K (PM.) | K (PC.)       | Y   | K (PM.)     | K (PC.)        | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        |
|                          | B5  | 140 | 125     | 98<br>(Y=140) | 140 | 153         | 114<br>(Y=140) | 160 | 175     | 131<br>(Y=160) | 200 | 215     | 163<br>(Y=200) |
|                          |     | 160 | 129     |               | 160 | 153<br>173* |                | 200 | 190     |                | 250 | 230     |                |
|                          |     | 200 | 153     |               | 200 | 173         |                | 250 | 200     |                | —   | —       |                |
|                          | B14 | 120 | 153     | —             | 120 | 173         | —              | —   | —       | —              | —   | —       | —              |
|                          |     | —   | —       | —             | 140 | 173         | —              | —   | —       | —              | —   | —       | —              |

\* Se stahovacím kroužkem  
ve standardní poloze

\* With shrink disc in standard positions.

\* Mit Schrumpfscheibe in Standardposition.

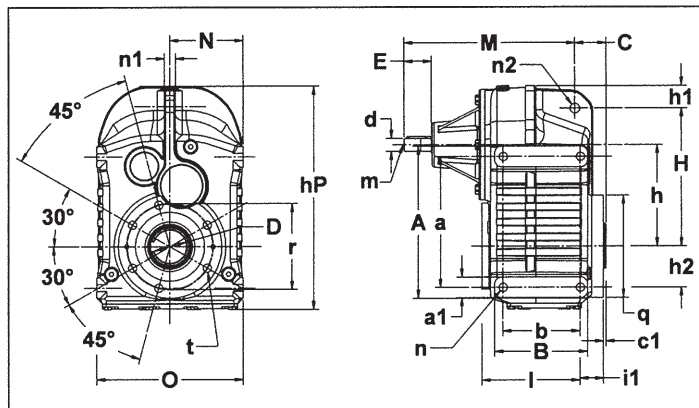


### 3.9 Rozměry

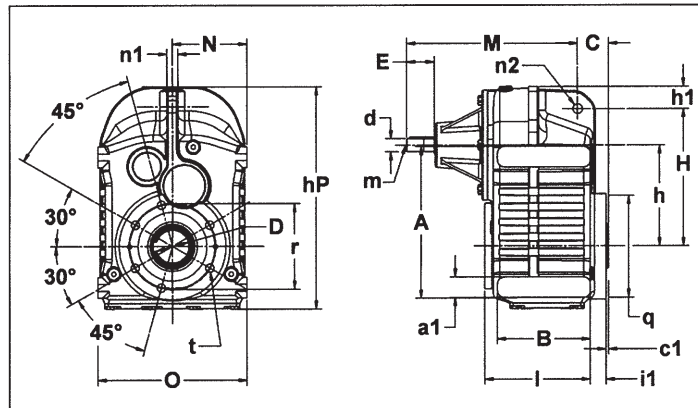
### 3.9 Dimensions

### 3.9 Abmessungen

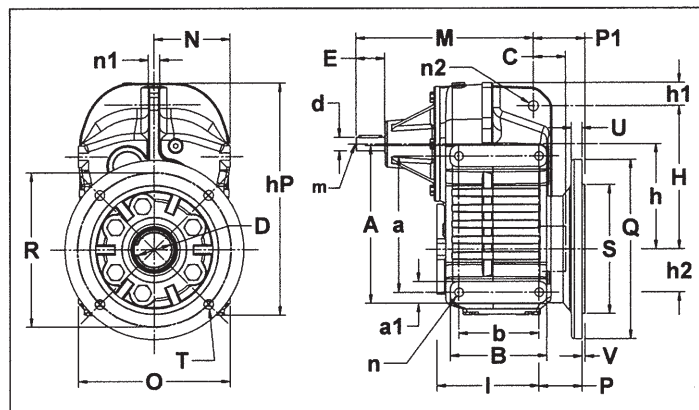
#### PRP



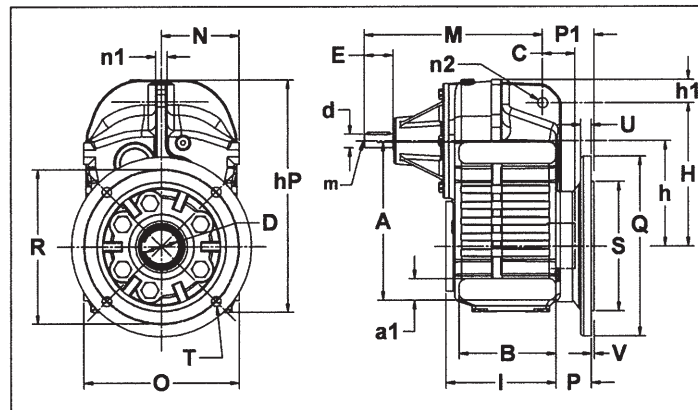
#### PRF



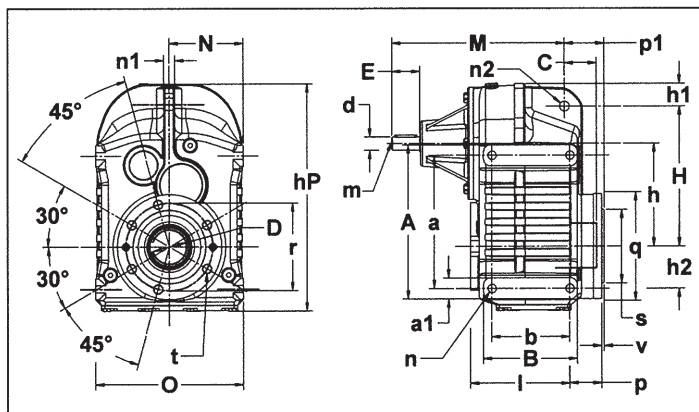
#### PRP F1 - F2



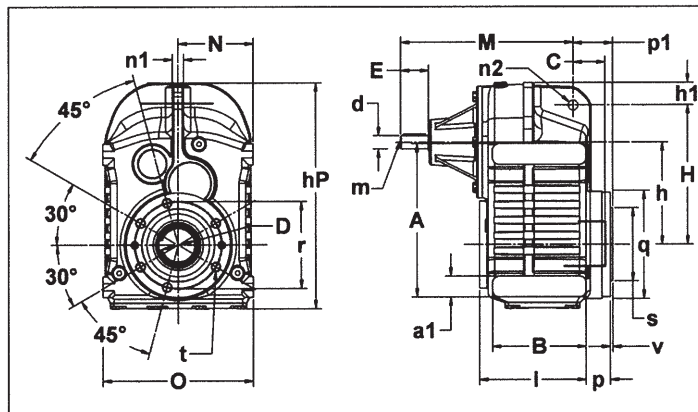
#### PRF F1 - F2



#### PRP P



#### PRF P





Tab. 8.6

| P.P<br>P.F | a   | A   | a1 | b   | B   | C    | c1  | d<br>j6 | d1<br>h6             | D<br>H7                    | E  | h     | hP  | H   | h1   | h2 | l                           | l1                         | m  | M                                   | n                | N                          |
|------------|-----|-----|----|-----|-----|------|-----|---------|----------------------|----------------------------|----|-------|-----|-----|------|----|-----------------------------|----------------------------|----|-------------------------------------|------------------|----------------------------|
| 63         | 115 | 135 | 20 | 77  | 95  | 31.5 | 2,5 | 16      | 30<br>25<br>28       | 30<br>(25)<br>(28)         | 40 | 113.5 | 240 | 152 | 23.5 | 31 | P.F<br>105.5<br>P.P<br>96.5 | P.F<br>11<br>P.P<br>20     | M6 | 188.5<br>2 stadi<br>176.5<br>3stadi | N° 8<br>M8 x 12  | P.F<br>84.5<br>P.P<br>82.5 |
| 71         | 145 | 170 | 25 | 93  | 120 | 32   | 3   | 16      | 35<br>30<br>32       | 35<br>(30)<br>(32)         | 40 | 117   | 268 | 165 | 26   | 43 | P.F<br>131.5<br>P.P<br>119  | P.F<br>15<br>P.P<br>28     | M6 | 155<br>2 stadi<br>182<br>3stadi     | N° 8<br>M10 x 15 | P.F<br>92<br>P.P<br>90     |
| 90         | 190 | 220 | 30 | 112 | 135 | 45   | 3.5 | 19      | 40<br>42<br>45<br>48 | 40<br>(42)<br>(45)<br>(48) | 40 | 147   | 324 | 200 | 33   | 60 | P.F<br>153.5<br>P.P<br>143  | P.F<br>23<br>P.P<br>33.5   | M6 | 227<br>2 stadi<br>249<br>3stadi     | N° 8<br>M12 x 17 | P.F<br>109<br>P.P<br>106   |
| 112        | 240 | 280 | 40 | 140 | 166 | 50   | 4   | 24      | 50<br>(55)           | 50<br>(55)                 | 50 | 184   | 400 | 255 | 35.5 | 70 | P.F<br>218<br>P.P<br>205    | P.F<br>19.5<br>P.P<br>32.5 | M8 | 273.5<br>2 stadi<br>289<br>3stadi   | N° 8<br>M16 x 23 | P.F<br>138<br>P.P<br>135   |

| P.P<br>P.F | n1 | n2 | O                        | p                          | p1   | P                          | P1   | q   | r   | s   | t          | v   |    | Q   | R   | S<br>g6 | T          | U  | V   |
|------------|----|----|--------------------------|----------------------------|------|----------------------------|------|-----|-----|-----|------------|-----|----|-----|-----|---------|------------|----|-----|
| 63         | 12 | 14 | P.F<br>169<br>P.P<br>165 | P.F<br>22.5<br>P.P<br>31.5 | 43.5 | P.F<br>37.5<br>P.P<br>46.5 | 59   | 105 | 90  | 80  | N°6 M6x12  | 3   | F1 | 160 | 130 | 110     | N°4 φ 9    | 10 | 3.5 |
|            |    |    |                          |                            |      |                            |      |     |     |     |            |     | F2 | -   | -   | -       | -          | -  | -   |
| 71         | 12 | 14 | P.F<br>184<br>P.P<br>180 | P.F<br>26<br>P.P<br>39     | 46   | P.F<br>43<br>P.P<br>56     | 63.5 | 120 | 100 | 80  | N°6 M8x14  | 3   | F1 | 200 | 165 | 130     | N°4 φ 11   | 12 | 3.5 |
|            |    |    |                          |                            |      |                            |      |     |     |     |            |     | F2 | 160 | 130 | 110     | N°4 φ 9x5  | 10 | 3.5 |
| 90         | 16 | 14 | P.F<br>218<br>P.P<br>212 | P.F<br>35<br>P.P<br>45.5   | 57   | P.F<br>49.5<br>P.P<br>60.5 | 72   | 150 | 125 | 105 | N°6 M12x18 | 3.5 | F1 | 250 | 215 | 180     | N°4 φ 13.5 | 15 | 4   |
|            |    |    |                          |                            |      |                            |      |     |     |     |            |     | F2 | —   | —   | —       | —          | —  | —   |
| 112        | 20 | 22 | P.F<br>276<br>P.P<br>270 | P.F<br>33.5<br>P.P<br>46.5 | 63   | P.F<br>60.5<br>P.P<br>73.5 | 91   | 175 | 150 | 125 | N°6 M14x21 | 3.5 | F1 | 300 | 265 | 230     | N°4 φ 13.5 | 16 | 4   |
|            |    |    |                          |                            |      |                            |      |     |     |     |            |     | F2 | —   | —   | —       | —          | —  | —   |

Tab. 8.7

| PM.<br>PC.<br>2 stadi<br>2 stupňová | IEC | 63  |             |               | 71  |         |                | 90  |         |                | 112 |         |                |
|-------------------------------------|-----|-----|-------------|---------------|-----|---------|----------------|-----|---------|----------------|-----|---------|----------------|
|                                     |     | Y   | K (PM.)     | K (PC.)       | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        |
|                                     | B5  | 140 | 120<br>140* | 81<br>(Y=140) | 160 | 159     | 114<br>(Y=140) | 200 | 205     | 131<br>(Y=160) | 250 | 255     | 163<br>(Y=200) |
|                                     |     | 160 | 120<br>140* |               | 200 | 159     |                | 250 | 205     |                | 300 | 255     |                |
|                                     |     | 200 | 140         |               | 250 | 169     |                | 300 | 205     |                | 350 | 255     |                |
|                                     |     | 250 | 150         |               | —   | —       |                | —   | —       |                | —   | —       |                |
|                                     | B14 | 120 | 140         | —             | 120 | 159     | —              | 200 | 205     | —              | —   | —       | —              |
|                                     |     | 140 | 140         | —             | 140 | 159     | —              | —   | —       | —              | —   | —       | —              |
|                                     |     | 160 | 150         | —             | 160 | 169     | —              | —   | —       | —              | —   | —       | —              |

| PM.<br>PC.<br>3 stadi<br>3 stupňová | IEC | 63  |         |               | 71  |             |                | 90  |         |                | 112 |         |                |
|-------------------------------------|-----|-----|---------|---------------|-----|-------------|----------------|-----|---------|----------------|-----|---------|----------------|
|                                     |     | Y   | K (PM.) | K (PC.)       | Y   | K (PM.)     | K (PC.)        | Y   | K (PM.) | K (PC.)        | Y   | K (PM.) | K (PC.)        |
|                                     | B5  | 140 | 125     | 98<br>(Y=140) | 140 | 153         | 114<br>(Y=140) | 160 | 175     | 131<br>(Y=160) | 200 | 215     | 163<br>(Y=200) |
|                                     |     | 160 | 129     |               | 160 | 153<br>173* |                | 200 | 190     |                | 250 | 230     |                |
|                                     |     | 200 | 153     |               | 200 | 173         |                | 250 | 200     |                | —   | —       |                |
|                                     | B14 | 120 | 153     | —             | 120 | 173         | —              | —   | —       | —              | —   | —       | —              |
|                                     |     | —   | —       | —             | 140 | 173         | —              | —   | —       | —              | —   | —       | —              |

\* Se stahovacím kroužkem  
ve standardní poloze

\* With shrink disc in standard positions.

\* Mit Schrumpfscheibe in Standardposition.



## DETAIL DĚR "t" PŘÍRUBY P

Pokud je použito provedení příruby P nezapomeňte, že závity jsou ve skříni převodovky a že na vzdálenosti "**yt**" závit není.

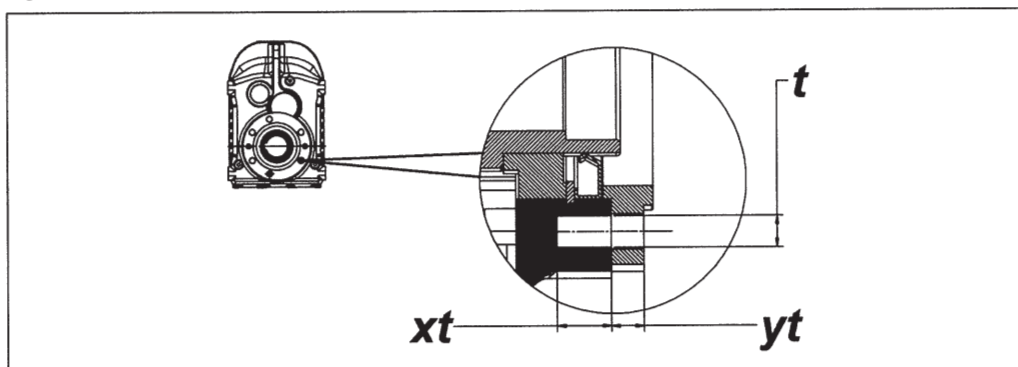
## DETAIL "t" OF THE FLANGE P HOLES

*When P-flange is used please consider that the threads are in gearcase and that Distance "**yt**" does not have a thread (see drawing).*

## DETAIL "t" BEI VERWENDUNG DES P-FLANSCHES

Bei Verwendung des P-Flansches ist zu beachten, daß sich die Gewinde im Getriebegehäuse befinden und daß Maß "**yt**" kein Gewinde besitzt. Details siehe Zeichnung.

Fig. 8.8



Tab. 8.9

| P.P - P.F  | t       | xt | yt   |
|------------|---------|----|------|
| <b>63</b>  | N°6 M6  | 12 | 11,5 |
| <b>71</b>  | N°6 M8  | 14 | 11   |
| <b>90</b>  | N°6 M12 | 18 | 12   |
| <b>112</b> | N°6 M14 | 21 | 14   |

Poznámka:  
**Xt** = délka závitu

NOTE.  
**xt** = thread length.

HINWEIS.  
**xt** = Gewindetiefe.

## VÝSTUPNÍ HŘÍDEL A STAHOVACÍ KROUŽEK VÝSTUPNÍ HŘÍDELE

Níže jsou uvedeny vnitřní rozměry výstupní hřídele s drážkou pro pero a se stahovacím kroužkem. Abychom garantovali nejlepší parametry doporučujeme pro hřídele klientů rozměry také níže uvedené. Pro montáž stahovacího kroužku viz. část 1 kapitola 1.11.

## OUTPUT SHAFT AND OUTPUT SHAFT SHRINK DISC

Below there are listed the internal dimensions of the output shaft with keyway and with shrink disc.

To guarantee best performance we recommend for the shafts of the clients the dimensions also shown below. For mounting the shaft with shrink disc, please see information in chapter 1, paragraph 1.11.

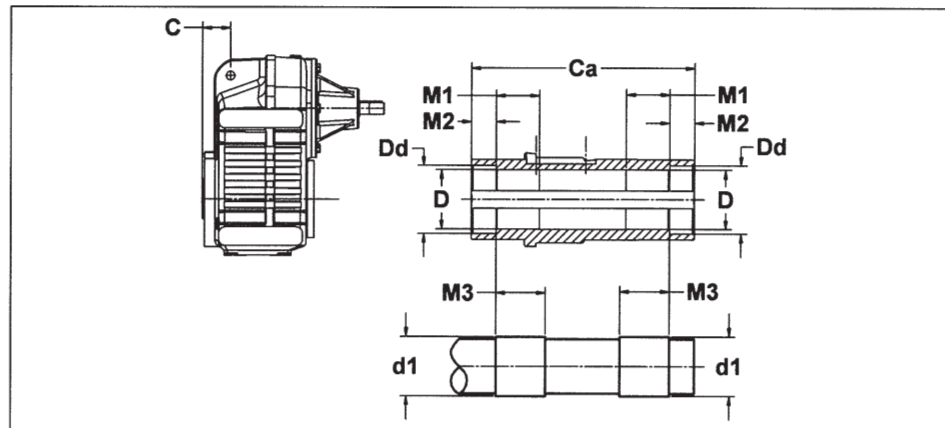
## ABTRIEBSWELLEN

Unten sind die Abmessungen der Abtriebswellen in Paßfeder- u. Schrumpfscheibenausführung aufgeführt.

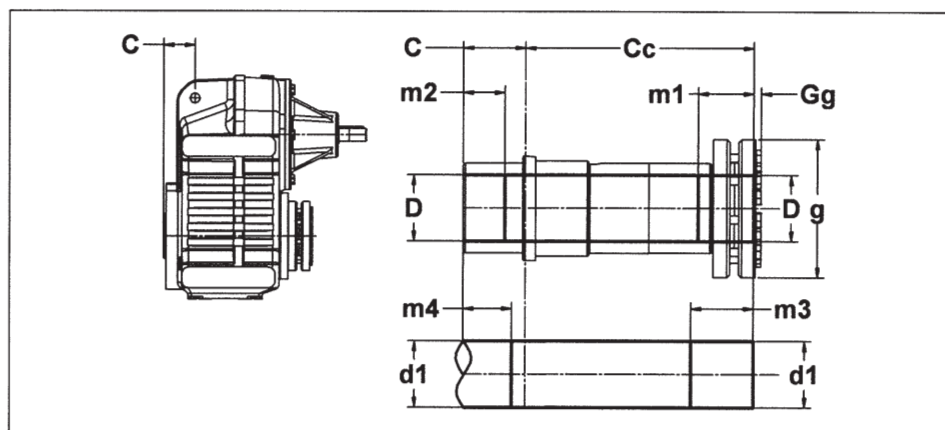
Für eine bestmögliche Leistung empfehlen wir für die Wellen der Kunden die ebenfalls aufgeführten Abmessungen.

Hinweise zur Montage der Wellen mit Schrumpfscheibe s. Paragraph 1.11.

Fig. 8.10



Výstupní hřídel s drážkou pro pero  
**Output shaft with keyway**  
Abtriebswelle mit passfedernut



Výstupní hřídel se stahovacím kroužkem  
**Output shaft with shrink disc**  
Abtriebswelle mit schrumpfscheibe

Tab. 8.11

| P.P - P.F | C    | Výstupní hřídel s drážkou pro pero<br>Output shaft with keyway<br>Abtriebswelle mit passfedernut |                            |                      |    |    |    |    | Výstupní hřídel se stahovacím kroužkem<br>Output shaft with shrink disc<br>Abtriebswelle mit schrumpfscheibe |         |          |    |    |    |    |     |    |
|-----------|------|--------------------------------------------------------------------------------------------------|----------------------------|----------------------|----|----|----|----|--------------------------------------------------------------------------------------------------------------|---------|----------|----|----|----|----|-----|----|
|           |      | Ca                                                                                               | D<br>H7                    | d1<br>h6             | M1 | M2 | M3 | Dd | Cc                                                                                                           | D<br>H7 | d1<br>h6 | m1 | m2 | m3 | m4 | g   | Gg |
| 63        | 31.5 | 120                                                                                              | 30<br>(28)<br>(25)         | 30<br>28<br>25       | 15 | 15 | 20 | 38 | 145                                                                                                          | 30      | 30       | 40 | 25 | 45 | 30 | 72  | 4  |
| 71        | 32   | 150                                                                                              | 35<br>(30)<br>(32)         | 35<br>30<br>32       | 30 | 15 | 35 | 43 | 175                                                                                                          | 35      | 35       | 40 | 25 | 45 | 30 | 80  | 4  |
| 90        | 45   | 180                                                                                              | 40<br>(42)<br>(45)<br>(48) | 40<br>42<br>45<br>48 | 35 | 20 | 40 | 55 | 205                                                                                                          | 40      | 40       | 50 | 30 | 55 | 35 | 90  | 6  |
| 112       | 50   | 210                                                                                              | 50<br>(55)                 | 50<br>55             | 35 | 25 | 45 | 61 | 245                                                                                                          | 50      | 50       | 55 | 40 | 60 | 45 | 110 | 1  |



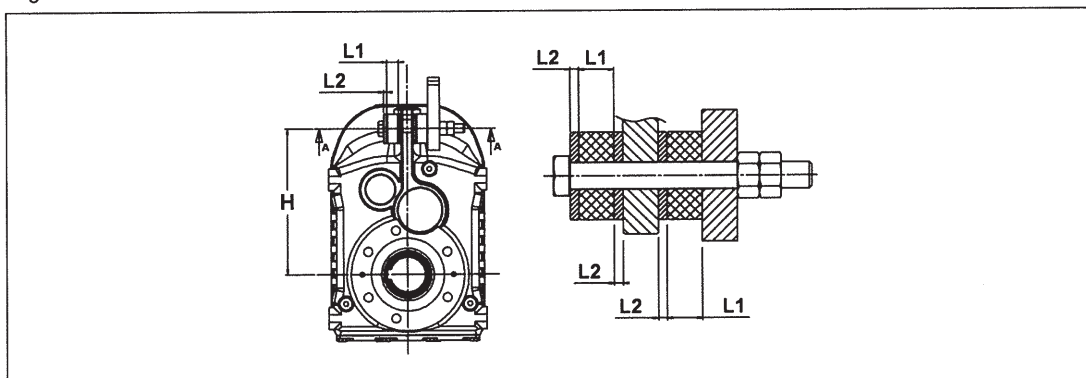


### 3.10 Příslušenství

#### PRYŽOVÝ TLUMIČ

Pro přírubové převodovky a převodovky s elektromotorem.

Fig. 8.12



Tab. 8.13

| P.P - P.F | D1   | D2 | D3 | L1 | L2 | H   |
|-----------|------|----|----|----|----|-----|
| 63        | 12.5 | 40 | 40 | 16 | 4  | 152 |
| 71        | 12.5 | 40 | 40 | 16 | 4  | 165 |
| 90        | 12.5 | 40 | 40 | 16 | 4  | 200 |
| 112       | 21   | 60 | 60 | 20 | 10 | 255 |

### JEDNOSTRANNÁ VÝSTUPNÍ HŘÍDEL

Všechny převodovky jsou dodávány s dutou výstupní hřídelí. Na požádání je možno dodat plnou výstupní hřídel s perem, podložkou a šroubem. Rozměry per odpovídají normě UNI 6604-69.

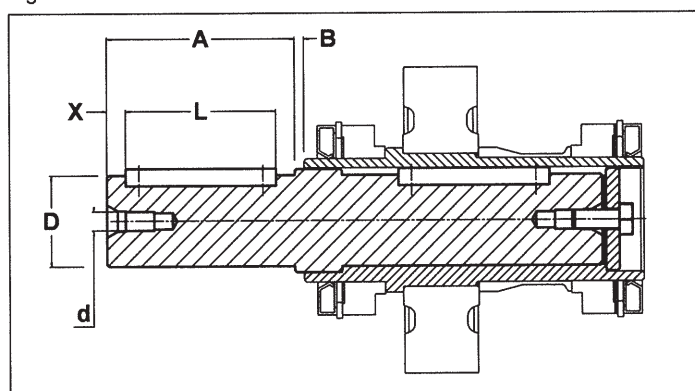
### SINGLE OUTPUT SHAFTS

All gearboxes are supplied with hollow output shaft. On request there are available also assembly kits including output shafts, keys, washers and assembly screws. The dimensions of the keys are conform with UNI 6604-69.

### EINSEITIGE ABTRIEBSWELLEN

Alle Getriebe werden mit Abtriebshohlwelle geliefert. Auf Anfrage sind auch Montagekits inklusive Abtriebswellen, Paßfedern, Unterlegscheiben und Montageschrauben erhältlich. Die Abmessungen der Paßfedern sind konform mit der UNI 6604-69.

Fig. 8.14



Jednostranná výstupní hřídel  
Single output shaft  
Einseitige Abtriebswelle

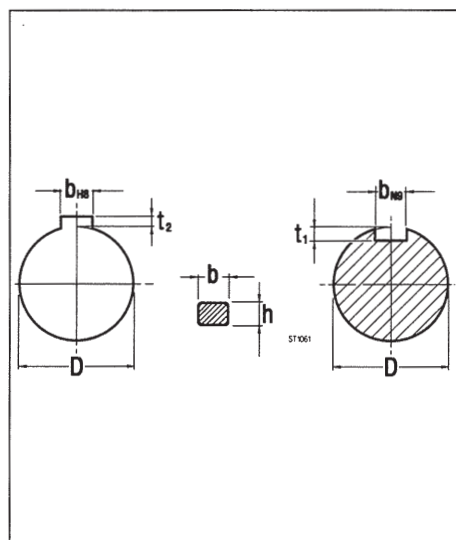
Tab. 8.15

| P.P - P.F | A   | B | D<br>g6 | d   | L  | X |
|-----------|-----|---|---------|-----|----|---|
| 63        | 60  | 1 | 30      | M10 | 50 | 5 |
| 71        | 70  | 0 | 35      | M10 | 60 | 5 |
| 90        | 80  | 1 | 40      | M10 | 70 | 5 |
| 112       | 100 | 1 | 50      | M12 | 90 | 5 |

### 3.11 Pera

### 3.11 Keys

### 3.11 Paßfedern



**Vstupní hřídel**  
**Input shaft**  
**Antriebswelle**

**Výstupní hřídel**  
**Output shaft**  
**Abtriebswelle**

Tab. 8.16

| d  | bxh | t1  |         |
|----|-----|-----|---------|
| 16 | 5x5 | 3   | 0/ +0.1 |
| 19 | 6x6 | 3.5 | 0/ +0.1 |
| 24 | 8x7 | 4   | 0/ +0.2 |

| D  | bxh   | t2  |         |
|----|-------|-----|---------|
| 25 | 8x7   | 3.3 | 0/ +0.2 |
| 28 | 8x7   | 3.3 | 0/ +0.2 |
| 30 | 8x7   | 3.3 | 0/ +0.2 |
| 32 | 10x8  | 3.3 | 0/ +0.2 |
| 35 | 10x8  | 3.3 | 0/ +0.2 |
| 40 | 12x8  | 3.3 | 0/ +0.2 |
| 42 | 12x8  | 3.3 | 0/ +0.2 |
| 45 | 14x9  | 3.8 | 0/ +0.2 |
| 48 | 14x9  | 3.8 | 0/ +0.2 |
| 50 | 14x9  | 3.8 | 0/ +0.2 |
| 55 | 16x10 | 4.3 | 0/ +0.2 |