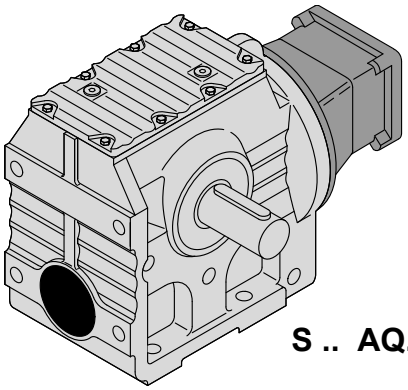
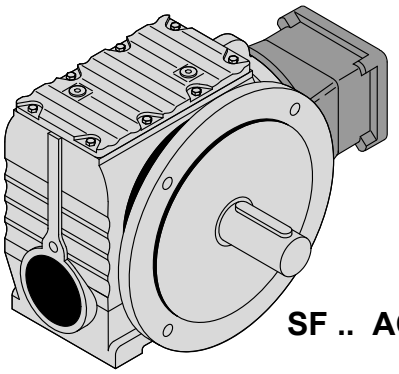
# 11 S..

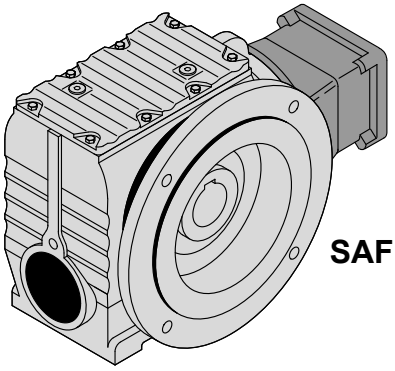
## *11.1 S.. AQ..*



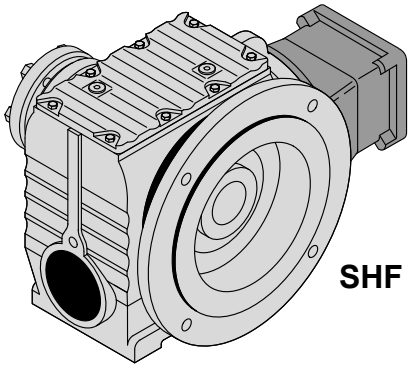
**S .. AQ..**



**SF .. AQ..**

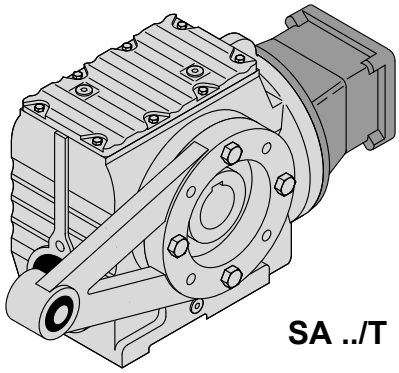


**SAF .. AQ..**

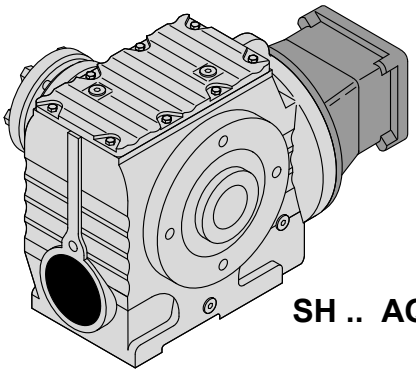


**SHF .. AQ..**

50415axx

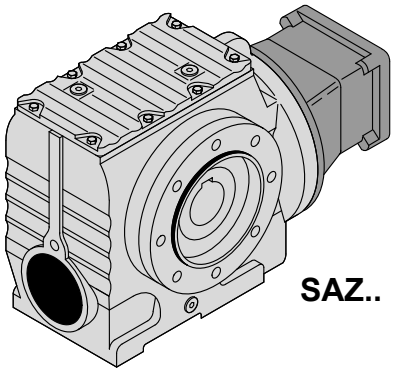


**SA ../T AQ..**

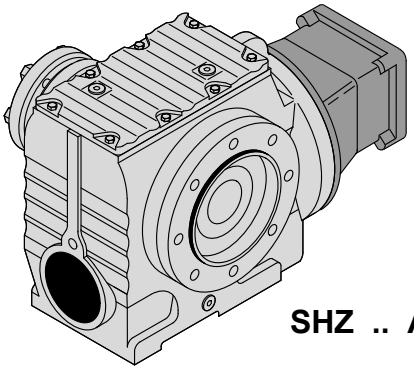


**SH .. AQ..**





**SAZ.. AQ..**



**SHZ .. AQ..**

50416axx

## *11.2 S.. AQ..*

### 11.2.1 S 37 AQ.. [Nm]

| [Nm] | | AQ. $M_{amax}$ \| $M_{apk}$ \| $M_{aNotaus}$ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | i | 80/1-3 | | | 100/1-4 | | | 115/1-2 | | | 115/3 | | |
| S37 2 | 3.97 | 32 | 43 | 64 | 32 | 42 | 63 | 32 | 42 | 63 | 32 | 42 | 63 |
| | 4.86 | 33 | 44 | 66 | 33 | 44 | 66 | 33 | 44 | 66 | 33 | 44 | 66 |
| | 5.38 | 34 | 45 | 68 | 34 | 44 | 66 | 34 | 44 | 66 | 34 | 44 | 66 |
| | 6.33 | 35 | 46 | 69 | 35 | 45 | 68 | 35 | 45 | 68 | 35 | 45 | 68 |
| | 6.80 | 43 | 48 | 72 | 43 | 47 | 70 | 43 | 47 | 70 | 43 | 47 | 70 |
| | 8.00 | 45 | 61 | 77 | 45 | 61 | 77 | 45 | 61 | 77 | 45 | 61 | 77 |
| | 9.02 | 46 | 62 | 78 | 46 | 62 | 78 | 46 | 62 | 78 | 46 | 62 | 78 |
| | 10.23 | 47 | 63 | 80 | 47 | 63 | 80 | 47 | 63 | 80 | 47 | 63 | 80 |
| | 10.91 | 48 | 64 | 82 | 48 | 64 | 82 | 48 | 64 | 82 | 48 | 64 | 82 |
| | 12.48 | 48 | 64 | 82 | 48 | 64 | 82 | 48 | 64 | 82 | 48 | 64 | 82 |
| | 13.39 | 49 | 65 | 83 | 49 | 65 | 83 | 49 | 65 | 83 | 49 | 65 | 83 |
| | 15.53 | 50 | 66 | 85 | 50 | 66 | 85 | 50 | 66 | 85 | 50 | 66 | 85 |
| | 18.24 | 52 | 67 | 88 | 52 | 67 | 88 | 52 | 67 | 88 | 52 | 67 | 88 |
| | 19.13 | 71 | 93 | 121 | 71 | 93 | 121 | 71 | 93 | 121 | 71 | 93 | 121 |
| | 19.89 | 52 | 68 | 88 | 52 | 68 | 88 | 52 | 68 | 88 | 52 | 68 | 88 |
| | 22.50 | 73 | 95 | 124 | 73 | 95 | 124 | 73 | 95 | 124 | 73 | 95 | 124 |
| | 25.38 | 74 | 96 | 126 | 74 | 96 | 126 | 74 | 96 | 126 | 74 | 96 | 126 |
| | 28.76 | 75 | 97 | 128 | 75 | 97 | 128 | 75 | 97 | 128 | 75 | 97 | 128 |
| | 30.68 | 76 | 98 | 129 | 76 | 98 | 129 | 76 | 98 | 129 | 76 | 98 | 129 |
| | 35.10 | 78 | 99 | 133 | 78 | 99 | 133 | 78 | 99 | 133 | 78 | 99 | 133 |
| | 37.66 | 79 | 100 | 134 | 79 | 100 | 134 | 79 | 100 | 134 | 79 | 100 | 134 |
| | 43.68 | 81 | 101 | 138 | 81 | 101 | 138 | 81 | 101 | 138 | 81 | 101 | 138 |
| | 51.30 | 81 | 103 | 138 | 81 | 103 | 138 | 81 | 103 | 138 | 81 | 103 | 138 |
| | 55.93 | 81 | 104 | 138 | 81 | 104 | 138 | 81 | 104 | 138 | 81 | 104 | 138 |

| m [kg] | | AQ. | | | |
|---|---|---|---|---|---|
| | s | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 |
| S37 | 2 | 9.8 | 11 | 11 | 11 |
| SF: + 1.3 kg / SA: + -0.3 kg / SAF: + 1.3 kg | | | | | |

| | | AQ. | | | |
|---|---|---|---|---|---|
| | | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 |
| $J_A\ 10^{-4}$ | [kgm$^2$] | 0.77 | 1.4 | 1.4 | 3.1 |
| $c_{TA}$ | [Nm/'] | 0.25 | 0.25 | 0.25 | 0.625 |

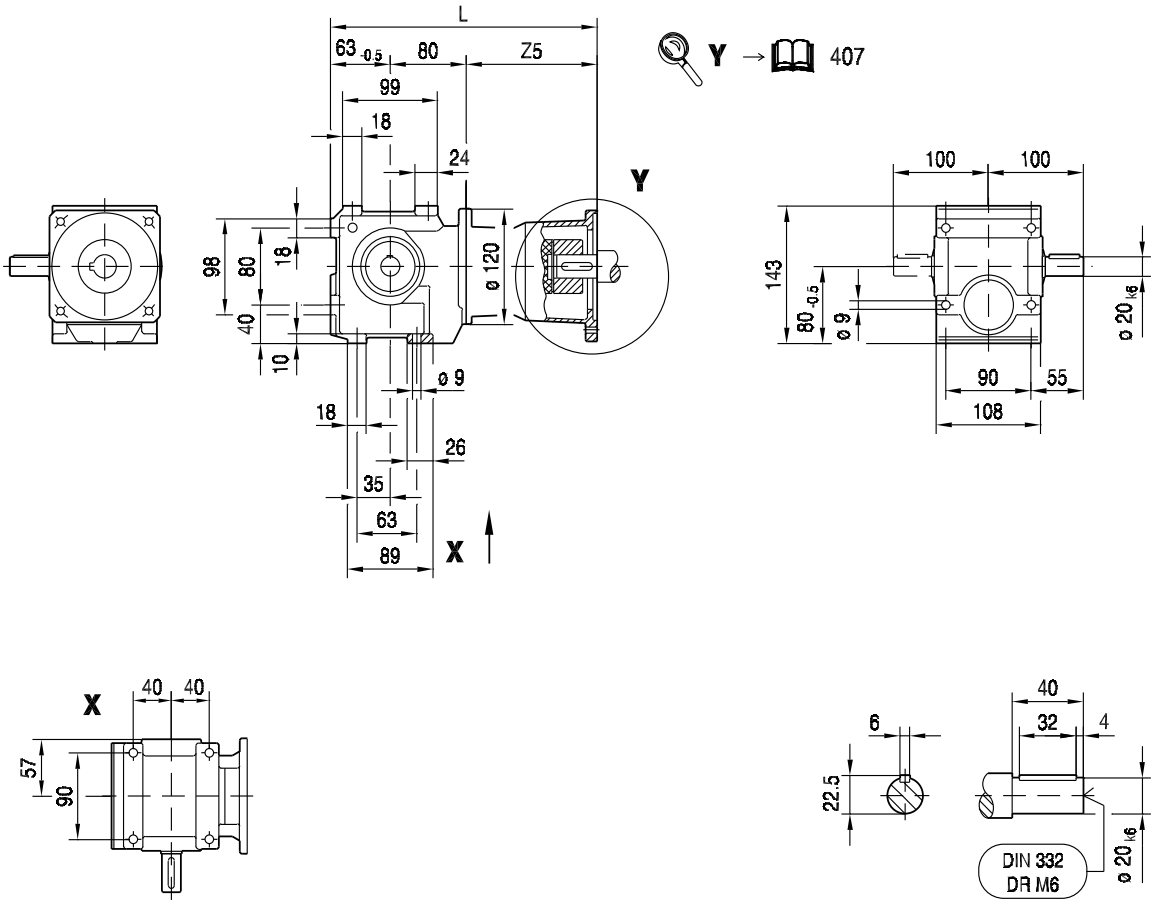
| S37 | | | | | | | $F_{Ramax}$ | | | | $F_{Rapk}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $n_e$ = 1400 | i | $M_{amax}$ [Nm] | $M_{apk}$ [Nm] | $M_{aNotaus}$ [Nm] | $n_{ak}$ [1/min] | $J_G$ $10^{-4}$ [kgm$^2$] | S [N] | SF [N] | SA [N] | SAF [N] | S [N] | SF [N] | SA [N] | SAF [N] |
| S37 2 | 3.97 | 32 | 48 | 72 | 277 | 0.92 | 1400 | 1570 | 2010 | 2010 | 3000 | 3000 | 4000 | 4000 |
| | 4.86 | 33 | 49 | 74 | 226 | 0.67 | 1520 | 1700 | 2180 | 2180 | 3000 | 3000 | 4000 | 4000 |
| | 5.38 | 34 | 51 | 76 | 204 | 0.59 | 1570 | 1760 | 2260 | 2260 | 3000 | 3000 | 4000 | 4000 |
| | 6.33 | 35 | 52 | 78 | 174 | 0.44 | 1670 | 1870 | 2400 | 2400 | 3000 | 3000 | 4000 | 4000 |
| | 6.80 | 43 | 60 | 90 | 29 | 0.47 | 1630 | 1840 | 2360 | 2360 | 3000 | 3000 | 4000 | 4000 |
| | 8.00 | 45 | 61 | 77 | 25 | 0.36 | 1730 | 1950 | 2500 | 2500 | 3000 | 3000 | 4000 | 4000 |
| | 9.02 | 46 | 62 | 78 | 22 | 0.30 | 1810 | 2040 | 2610 | 2610 | 3000 | 3000 | 4000 | 4000 |
| | 10.23 | 47 | 63 | 80 | 20 | 0.24 | 1900 | 2140 | 2740 | 2740 | 3000 | 3000 | 4000 | 4000 |
| | 10.91 | 48 | 64 | 82 | 18 | 0.22 | 1940 | 2190 | 2800 | 2800 | 3000 | 3000 | 4000 | 4000 |
| | 12.48 | 48 | 64 | 82 | 16 | 0.18 | 2060 | 2320 | 2970 | 2970 | 3000 | 3000 | 4000 | 4000 |
| | 13.39 | 49 | 65 | 83 | 15 | 0.16 | 2110 | 2370 | 3040 | 3040 | 3000 | 3000 | 4000 | 4000 |
| | 15.53 | 50 | 66 | 85 | 13 | 0.13 | 2240 | 2510 | 3220 | 3220 | 3000 | 3000 | 4000 | 4000 |
| | 18.24 | 52 | 67 | 88 | 11 | 0.10 | 2380 | 2660 | 3410 | 3410 | 3000 | 3000 | 4000 | 4000 |
| | 19.13 | 71 | 93 | 121 | 10 | 0.43 | 2380 | 2670 | 3420 | 3420 | 3000 | 3000 | 4000 | 4000 |
| | 19.89 | 52 | 68 | 88 | 10 | 0.090 | 2470 | 2760 | 3540 | 3540 | 3000 | 3000 | 4000 | 4000 |
| | 22.50 | 73 | 95 | 124 | 9 | 0.32 | 2530 | 2840 | 3630 | 3630 | 3000 | 3000 | 4000 | 4000 |
| | 25.38 | 74 | 96 | 126 | 8 | 0.27 | 2660 | 2980 | 3810 | 3810 | 3000 | 3000 | 4000 | 4000 |
| | 28.76 | 75 | 97 | 128 | 7 | 0.22 | 2800 | 3000 | 4000 | 4000 | 3000 | 3000 | 4000 | 4000 |
| | 30.68 | 76 | 98 | 129 | 16 | 0.20 | 2860 | 3000 | 4000 | 4000 | 3000 | 3000 | 4000 | 4000 |
| | 35.10 | 78 | 99 | 133 | 14 | 0.16 | 3000 | 3000 | 4000 | 4000 | 3000 | 3000 | 4000 | 4000 |
| | 37.66 | 79 | 100 | 134 | 13 | 0.15 | 3000 | 3000 | 4000 | 4000 | 3000 | 3000 | 4000 | 4000 |
| | 43.68 | 81 | 101 | 138 | 16 | 0.12 | 3000 | 3000 | 4000 | 4000 | 3000 | 3000 | 4000 | 4000 |
| | 51.30 | 81 | 103 | 138 | 14 | 0.090 | 3000 | 3000 | 4000 | 4000 | 3000 | 3000 | 4000 | 4000 |
| | 55.93 | 81 | 104 | 138 | 13 | 0.080 | 3000 | 3000 | 4000 | 4000 | 3000 | 3000 | 4000 | 4000 |

| AQ. | | | | $c_{TG}$ | | | |
|---|---|---|---|---|---|---|---|
| | i | $n_{epk}$ [1/min] | η [%] | S [Nm/°] | SF [Nm/°] | SA [Nm/°] | SAF [Nm/°] |
| S37 2 | 3.97 | 4500 | 88 | - | - | - | - |
| | 4.86 | 4500 | 88 | - | - | - | - |
| | 5.38 | 4500 | 88 | - | - | - | - |
| | 6.33 | 4500 | 87 | - | - | - | - |
| | 6.80 | 4500 | 87 | - | - | - | - |
| | 8.00 | 4500 | 86 | - | - | - | - |
| | 9.02 | 4500 | 86 | - | - | - | - |
| | 10.23 | 4500 | 86 | - | - | - | - |
| | 10.91 | 4500 | 86 | - | - | - | - |
| | 12.48 | 4500 | 85 | - | - | - | - |
| | 13.39 | 4500 | 85 | - | - | - | - |
| | 15.53 | 4500 | 84 | - | - | - | - |
| | 18.24 | 4500 | 84 | - | - | - | - |
| | 19.13 | 4500 | 78 | - | - | - | - |
| | 19.89 | 4500 | 84 | - | - | - | - |
| | 22.50 | 4500 | 77 | - | - | - | - |
| | 25.38 | 4500 | 76 | - | - | - | - |
| | 28.76 | 4500 | 76 | - | - | - | - |
| | 30.68 | 4500 | 76 | - | - | - | - |
| | 35.10 | 4500 | 75 | - | - | - | - |
| | 37.66 | 4500 | 75 | - | - | - | - |
| | 43.68 | 4500 | 74 | - | - | - | - |
| | 51.30 | 4500 | 73 | - | - | - | - |
| | 55.93 | 4500 | 73 | - | - | - | - |

### 11.2.2 S 37 AQ.. [mm]

02 063 00 08

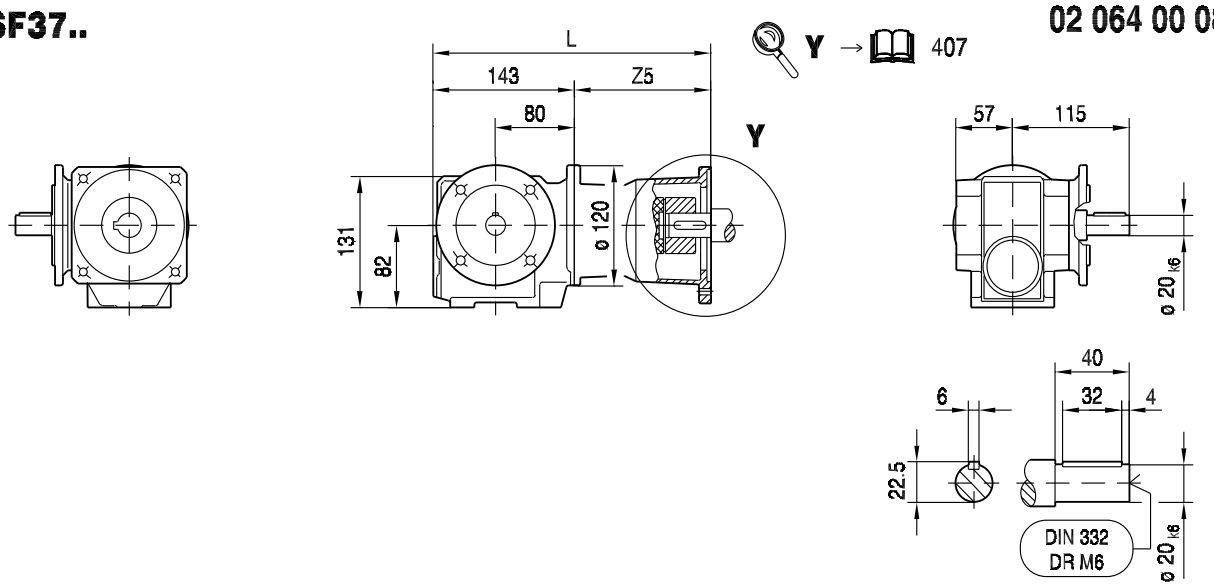
**S37..**



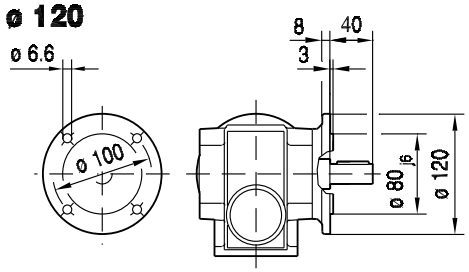

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 248 | 273 | 287 | 296 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

## SF37..

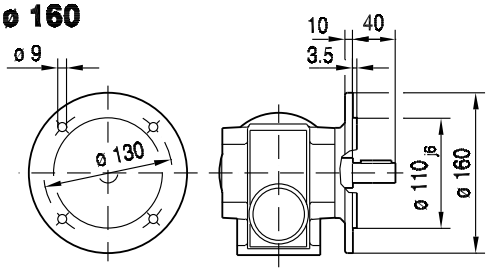
02 064 00 08



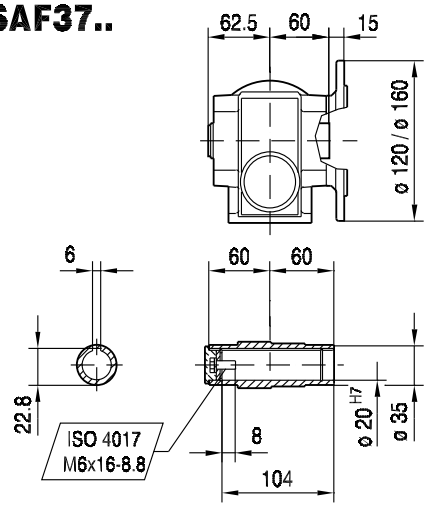

### ø 120



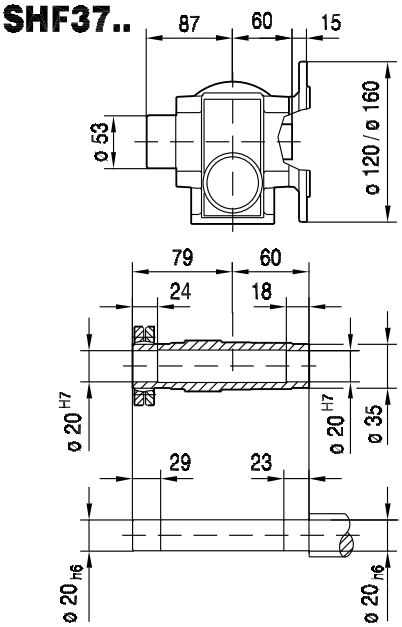

### ø 160




## SAF37..



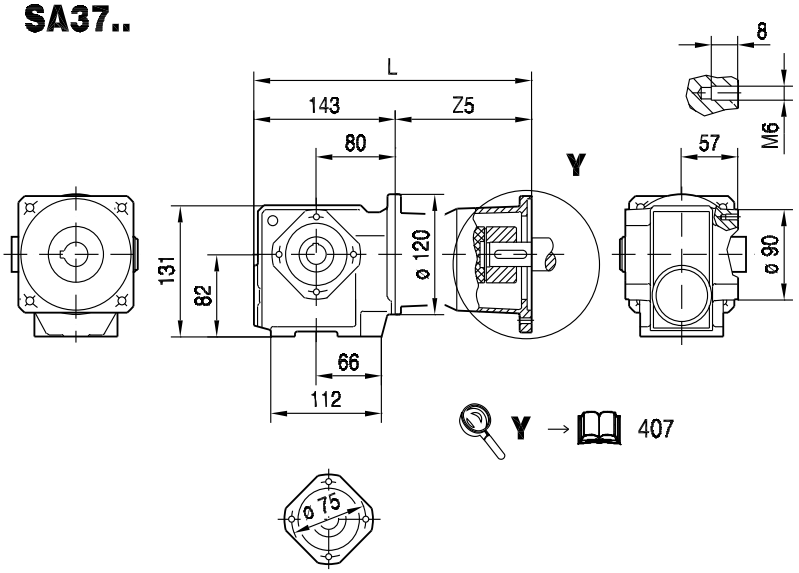

## SHF37..



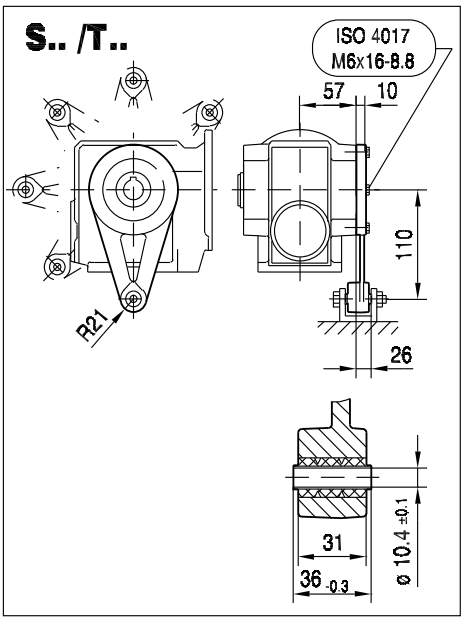

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 248 | 273 | 287 | 296 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

02 065 00 08

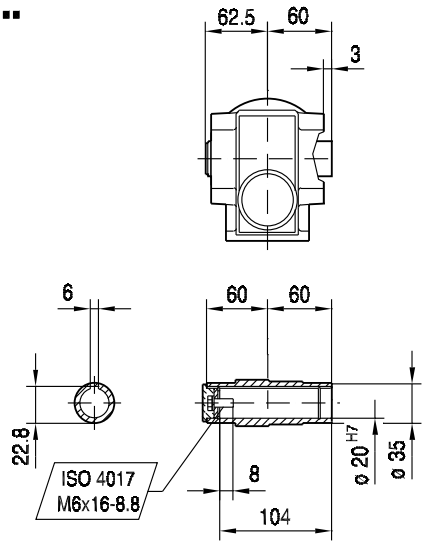
**SA37..**



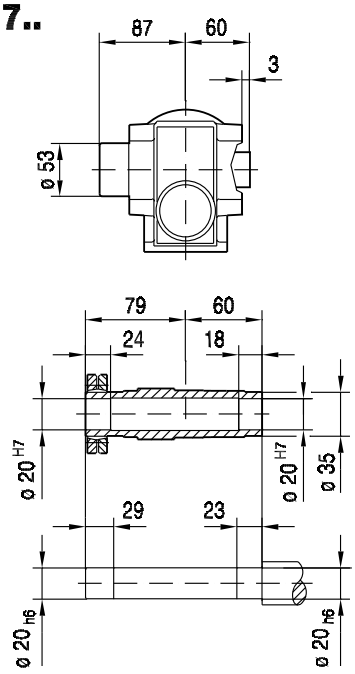

**S.. /T..**



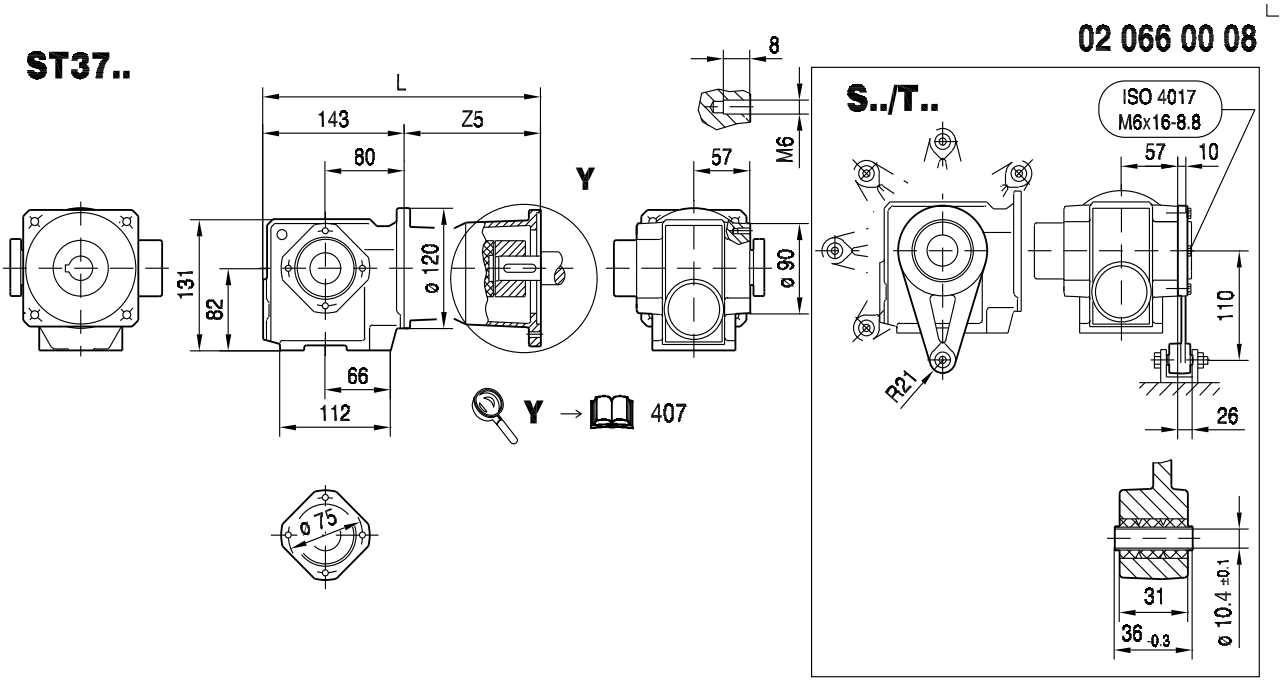

**SA37..**

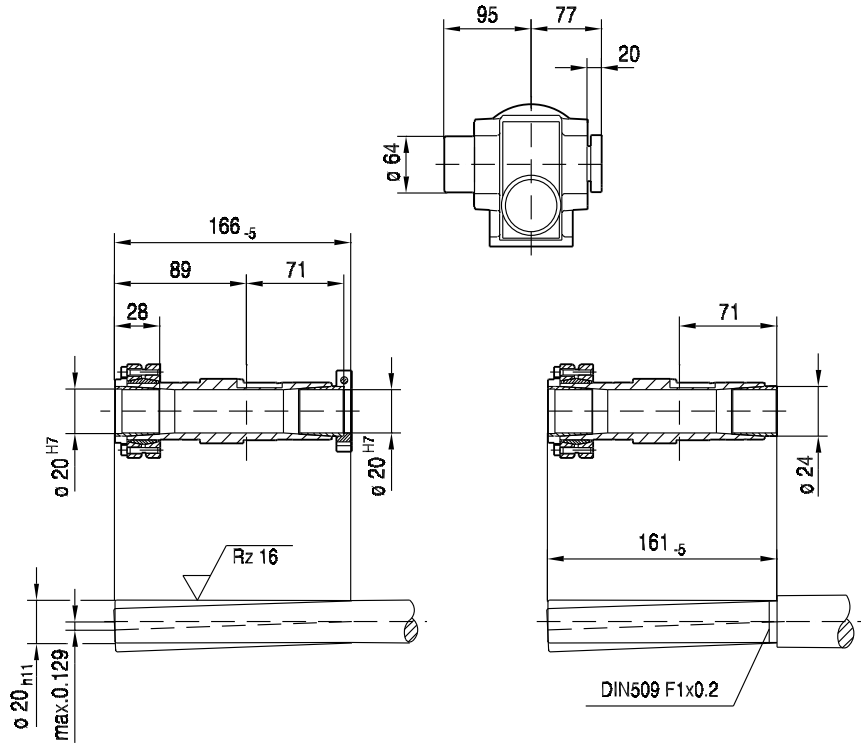



**SH37..**




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 248 | 273 | 287 | 296 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 248 | 273 | 287 | 296 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

### 11.2.3 S 47 AQ.. [Nm]

| [Nm] | | AQ. $M_{amax}$ \| $M_{apk}$ \| $M_{aNotaus}$ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | i | 80/1-3 | | | 100/1-4 | | | 115/1-2 | | | 115/3 | | |
| S47  2 | 4.00 | 61 | 69 | 104 | 61 | 72 | 108 | 61 | 72 | 108 | 61 | 72 | 108 |
| | 4.76 | 72 | 76 | 114 | 72 | 87 | 130 | 72 | 87 | 130 | 72 | 87 | 130 |
| | 5.39 | 74 | 81 | 122 | 74 | 97 | 146 | 74 | 97 | 146 | 74 | 97 | 146 |
| | 6.40 | 76 | 87 | 130 | 76 | 114 | 171 | 76 | 114 | 171 | 76 | 114 | 171 |
| | 6.83 | 78 | 90 | 135 | 78 | 117 | 176 | 78 | 117 | 176 | 78 | 117 | 176 |
| | 7.28 | 103 | 112 | 175 | 103 | 112 | 175 | 103 | 112 | 175 | 103 | 129 | 175 |
| | 8.64 | 109 | 132 | 185 | 109 | 132 | 185 | 109 | 132 | 185 | 109 | 146 | 185 |
| | 9.23 | 109 | 141 | 185 | 109 | 141 | 185 | 109 | 141 | 185 | 109 | 146 | 185 |
| | 10.80 | 109 | 145 | 185 | 109 | 145 | 185 | 109 | 145 | 185 | 109 | 145 | 185 |
| | 12.10 | 109 | 145 | 185 | 109 | 145 | 185 | 109 | 145 | 185 | 109 | 145 | 185 |
| | 14.24 | 110 | 144 | 187 | 110 | 144 | 187 | 110 | 144 | 187 | 110 | 144 | 187 |
| | 16.47 | 110 | 144 | 187 | 110 | 144 | 187 | 110 | 144 | 187 | 110 | 144 | 187 |
| | 17.62 | 110 | 144 | 187 | 110 | 144 | 187 | 110 | 144 | 187 | 110 | 144 | 187 |
| | 19.54 | 144 | 184 | 245 | 144 | 184 | 245 | 144 | 184 | 245 | 144 | 184 | 245 |
| | 20.33 | 110 | 143 | 187 | 110 | 143 | 187 | 110 | 143 | 187 | 110 | 143 | 187 |
| | 23.20 | 152 | 200 | 255 | 152 | 200 | 255 | 152 | 200 | 255 | 152 | 200 | 255 |
| | 24.77 | 155 | 205 | 260 | 155 | 205 | 260 | 155 | 205 | 260 | 155 | 205 | 260 |
| | 29.00 | 155 | 215 | 260 | 155 | 215 | 260 | 155 | 215 | 260 | 155 | 215 | 260 |
| | 32.48 | 155 | 215 | 260 | 155 | 215 | 260 | 155 | 215 | 260 | 155 | 215 | 260 |
| | 38.23 | 155 | 215 | 260 | 155 | 215 | 260 | 155 | 215 | 260 | 155 | 215 | 260 |
| | 44.22 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 |
| | 47.32 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 |
| | 54.59 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 |
| | 63.80 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 |
| | 69.39 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 | 155 | 210 | 260 |

| m [kg] | | AQ. | | | |
|---|---|---|---|---|---|
| | s | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 |
| S47 |  | 13 | 14 | 14 | 14 |
| SF: + 3.6 kg / SA: + 1.1 kg / SAF: + 2.8 kg | | | | | |

| | | AQ. | | | |
|---|---|---|---|---|---|
| | | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 |
| $J_A\ 10^{-4}$ | [$kgm^2$] | 0.77 | 1.4 | 1.4 | 3.1 |
| $c_{TA}$ | [Nm/'] | 0.25 | 0.25 | 0.25 | 0.625 |

| S47 | | | | | | | $F_{Ramax}$ | | | | $F_{Rapk}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $n_e$ = 1400 | i | $M_{amax}$ [Nm] | $M_{apk}$ [Nm] | $M_{aNotaus}$ [Nm] | $n_{ak}$ [1/min] | $J_G$ $10^{-4}$ [kgm$^2$] | S [N] | SF [N] | SA [N] | SAF [N] | S [N] | SF [N] | SA [N] | SAF [N] |
| | 4.00 | 61 | 72 | 108 | 225 | 2.5 | 1980 | 2420 | 2740 | 2740 | 5660 | 6140 | 7000 | 7000 |
| | 4.76 | 72 | 87 | 130 | 231 | 1.8 | 2010 | 2490 | 2780 | 2780 | 5580 | 6070 | 7000 | 7000 |
| | 5.39 | 74 | 97 | 146 | 204 | 1.5 | 2110 | 2600 | 2920 | 2920 | 5530 | 6030 | 7000 | 7000 |
| | 6.40 | 76 | 114 | 171 | 172 | 1.1 | 2260 | 2780 | 3120 | 3120 | 5440 | 5940 | 7000 | 7000 |
| | 6.83 | 78 | 117 | 176 | 161 | 1.0 | 2300 | 2840 | 3190 | 3190 | 5420 | 5930 | 7000 | 7000 |
| | 7.28 | 103 | 129 | 175 | 27 | 1.1 | 2110 | 2690 | 2940 | 2940 | 5360 | 5870 | 7000 | 7000 |
| | 8.64 | 109 | 146 | 185 | 23 | 0.83 | 2230 | 2840 | 3110 | 3110 | 5260 | 5780 | 7000 | 7000 |
| | 9.23 | 109 | 146 | 185 | 22 | 0.74 | 2310 | 2930 | 3210 | 3210 | 5260 | 5780 | 7000 | 7000 |
| | 10.80 | 109 | 145 | 185 | 19 | 0.57 | 2500 | 3150 | 3480 | 3480 | 5270 | 5790 | 7000 | 7000 |
| | 12.10 | 109 | 145 | 185 | 17 | 0.47 | 2650 | 3310 | 3670 | 3670 | 5270 | 5790 | 7000 | 7000 |
| | 14.24 | 110 | 144 | 187 | 14 | 0.35 | 2850 | 3540 | 3950 | 3950 | 5270 | 5790 | 7000 | 7000 |
| S47 | 16.47 | 110 | 144 | 187 | 12 | 0.28 | 3060 | 3770 | 4230 | 4230 | 5270 | 5790 | 7000 | 7000 |
|  2 | 17.62 | 110 | 144 | 187 | 11 | 0.26 | 3160 | 3880 | 4360 | 4360 | 5270 | 5790 | 7000 | 7000 |
| | 19.54 | 144 | 184 | 245 | 10 | 0.94 | 3370 | 4120 | 4660 | 4660 | 5200 | 5710 | 7000 | 7000 |
| | 20.33 | 110 | 143 | 187 | 10 | 0.20 | 3370 | 4130 | 4650 | 4650 | 5280 | 5800 | 7000 | 7000 |
| | 23.20 | 152 | 200 | 258 | 9 | 0.72 | 3570 | 4360 | 4940 | 4940 | 5110 | 5620 | 7000 | 7000 |
| | 24.77 | 155 | 205 | 264 | 8 | 0.65 | 3650 | 4460 | 5050 | 5050 | 5080 | 5590 | 7000 | 7000 |
| | 29.00 | 155 | 215 | 264 | 7 | 0.49 | 3920 | 4760 | 5420 | 5420 | 5020 | 5530 | 7000 | 7000 |
| | 32.48 | 155 | 215 | 264 | 6 | 0.41 | 4120 | 4990 | 5690 | 5690 | 5020 | 5530 | 7000 | 7000 |
| | 38.23 | 155 | 215 | 264 | 5 | 0.31 | 4420 | 5330 | 6100 | 6100 | 5020 | 5530 | 7000 | 7000 |
| | 44.22 | 155 | 210 | 264 | 5 | 0.25 | 4710 | 5660 | 6490 | 6490 | 5050 | 5560 | 7000 | 7000 |
| | 47.32 | 155 | 210 | 264 | 4 | 0.23 | 4850 | 5810 | 6680 | 6680 | 5050 | 5560 | 7000 | 7000 |
| | 54.59 | 155 | 210 | 264 | 9 | 0.18 | 5150 | 5870 | 7000 | 7000 | 5050 | 5560 | 7000 | 7000 |
| | 63.80 | 155 | 210 | 264 | 8 | 0.15 | 5370 | 5870 | 7000 | 7000 | 5050 | 5560 | 7000 | 7000 |
| | 69.39 | 155 | 210 | 264 | 7 | 0.13 | 5370 | 5870 | 7000 | 7000 | 5050 | 5560 | 7000 | 7000 |

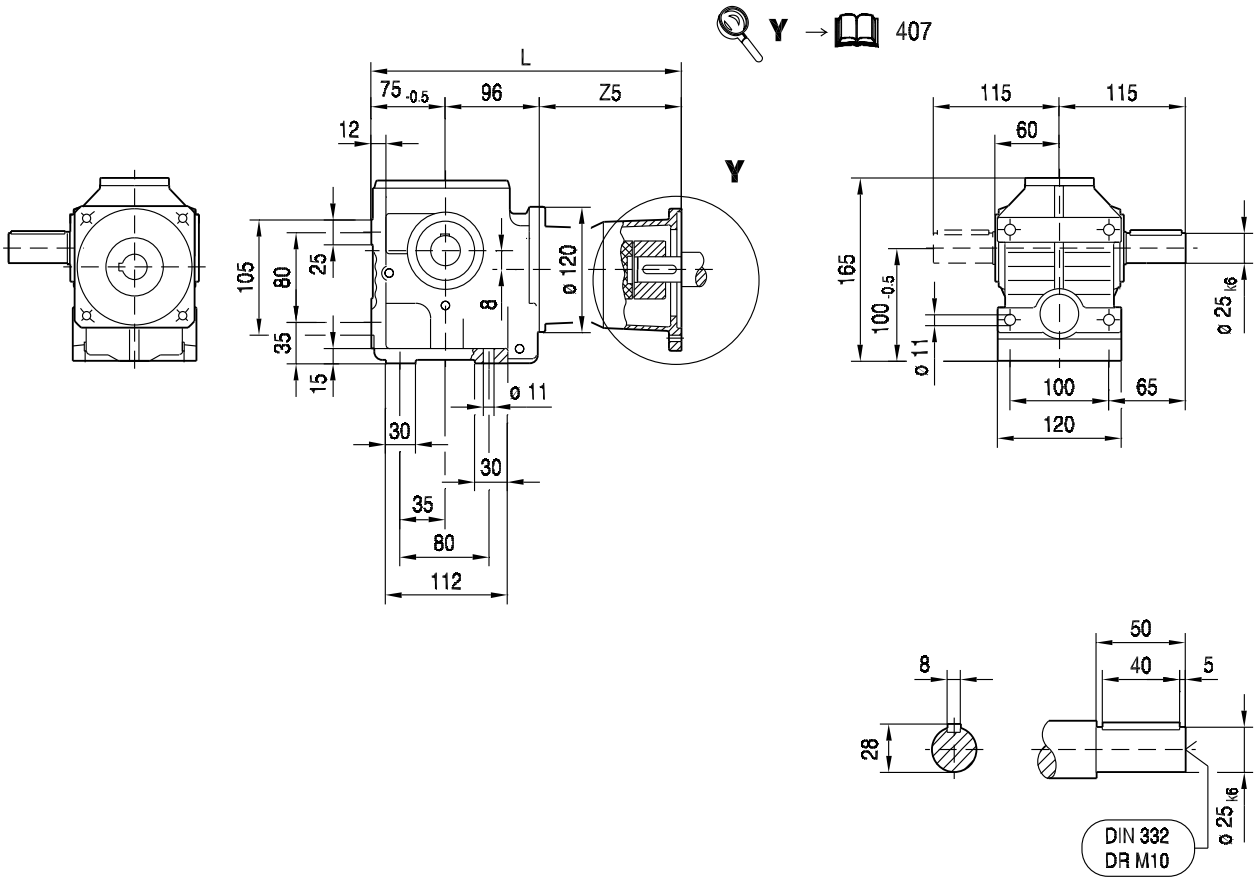


| AQ. | | | | $c_{TG}$ | | | |
|---|---|---|---|---|---|---|---|
| | i | $n_{epk}$ [1/min] | η [%] | S [Nm/°] | SF [Nm/°] | SA [Nm/°] | SAF [Nm/°] |
| | 4.00 | 4500 | 88 | - | - | - | - |
| | 4.76 | 4500 | 88 | - | - | - | - |
| | 5.39 | 4500 | 88 | - | - | - | - |
| | 6.40 | 4500 | 88 | - | - | - | - |
| | 6.83 | 4500 | 88 | - | - | - | - |
| | 7.28 | 4500 | 87 | - | - | - | - |
| | 8.64 | 4500 | 87 | - | - | - | - |
| | 9.23 | 4500 | 87 | - | - | - | - |
| | 10.80 | 4500 | 87 | - | - | - | - |
| | 12.10 | 4500 | 87 | - | - | - | - |
| | 14.24 | 4500 | 86 | - | - | - | - |
| S47 | 16.47 | 4500 | 86 | - | - | - | - |
|  2 | 17.62 | 4500 | 86 | - | - | - | - |
| | 19.54 | 4500 | 79 | - | - | - | - |
| | 20.33 | 4500 | 85 | - | - | - | - |
| | 23.20 | 4500 | 79 | - | - | - | - |
| | 24.77 | 4500 | 79 | - | - | - | - |
| | 29.00 | 4500 | 78 | - | - | - | - |
| | 32.48 | 4500 | 77 | - | - | - | - |
| | 38.23 | 4500 | 77 | - | - | - | - |
| | 44.22 | 4500 | 76 | - | - | - | - |
| | 47.32 | 4500 | 75 | - | - | - | - |
| | 54.59 | 4500 | 75 | - | - | - | - |
| | 63.80 | 4500 | 74 | - | - | - | - |
| | 69.39 | 4500 | 73 | - | - | - | - |

### 11.2.4 S 47 AQ.. [mm]

02 067 00 08

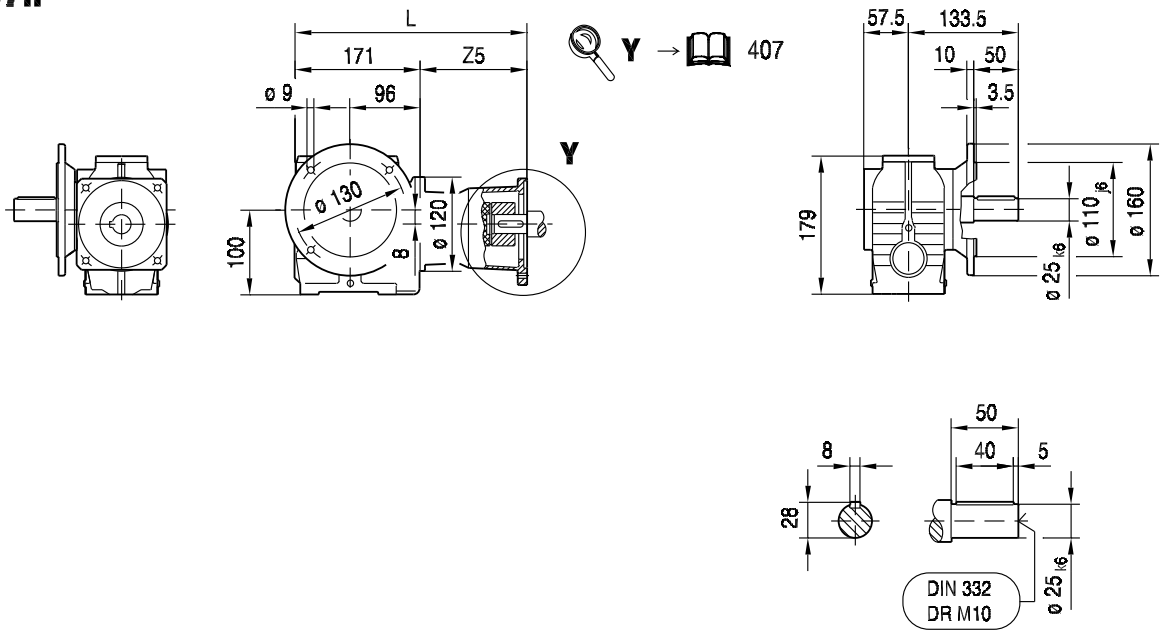
**S47..**



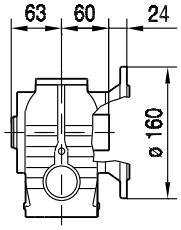

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 276 | 301 | 315 | 324 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

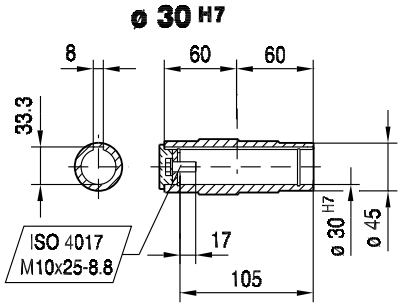
02 068 00 08

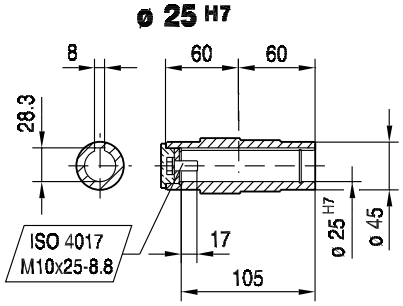
## SF47..



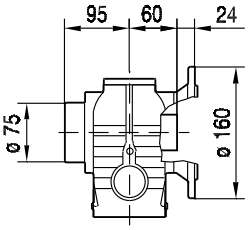

## SAF47..

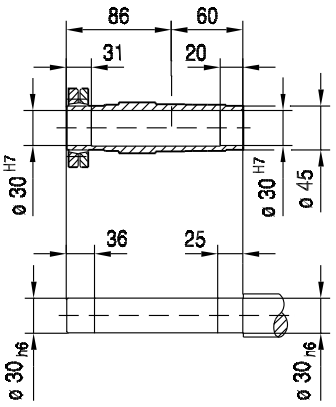



## SHF47..

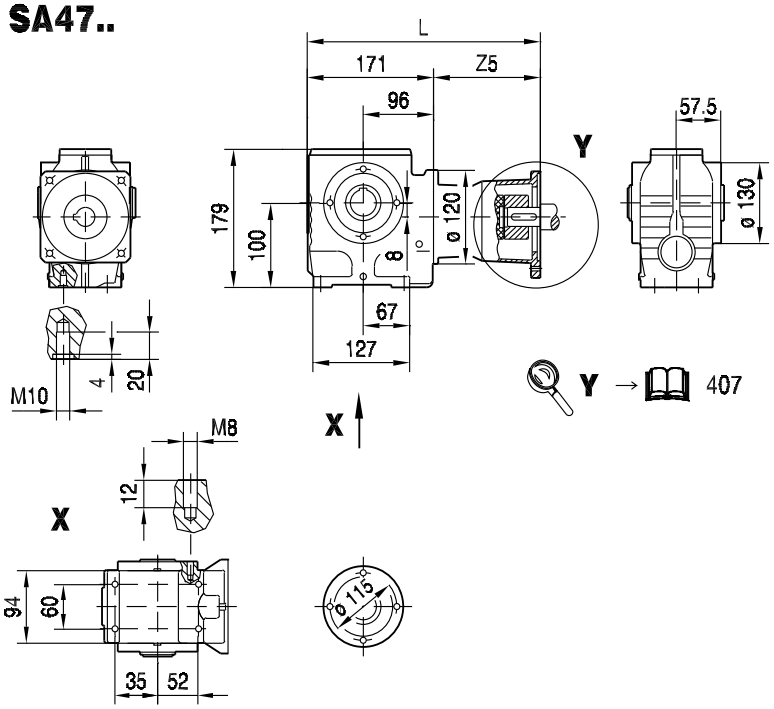


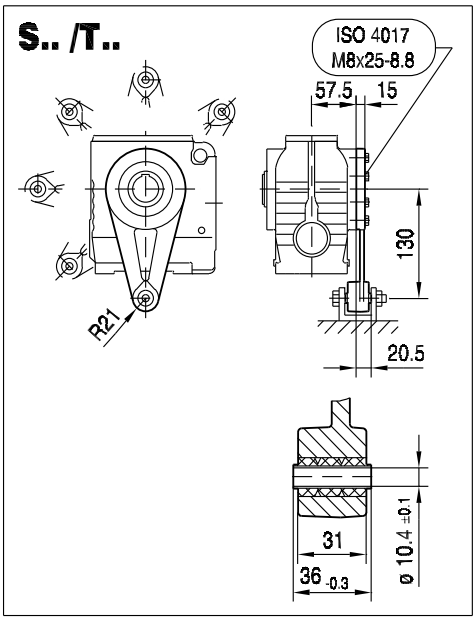




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 276 | 301 | 315 | 324 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

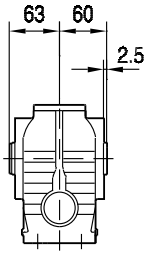
## SA47..

02 069 00 08

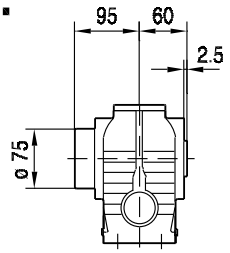


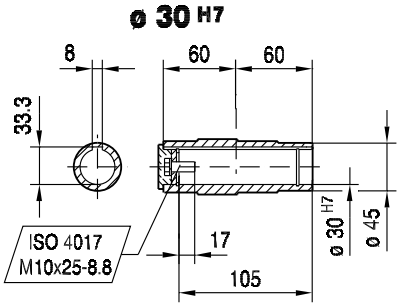



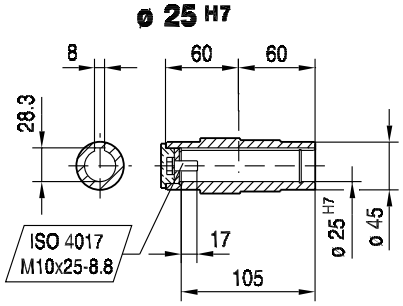

## SA47..

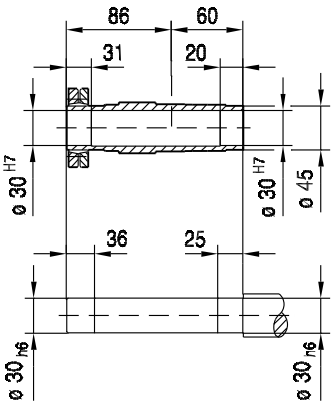



## SH47..



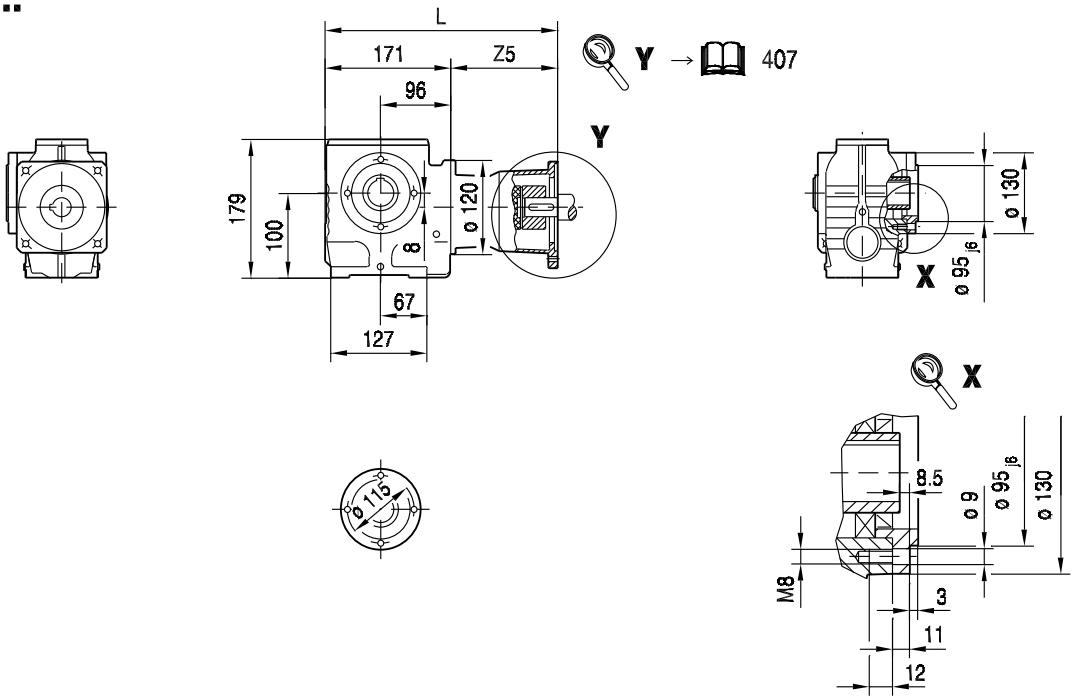



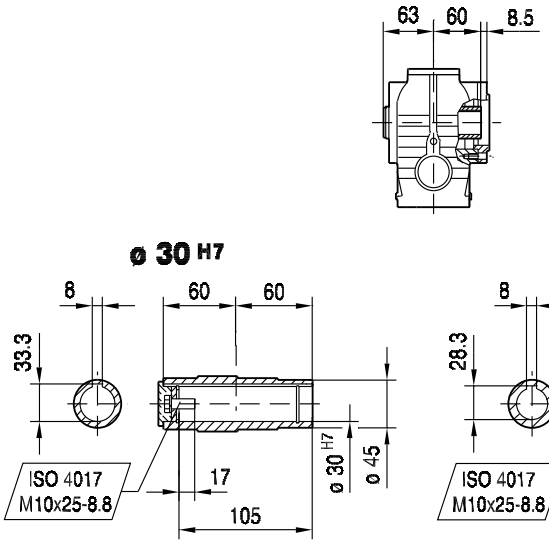

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 276 | 301 | 315 | 324 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

02 070 00 08

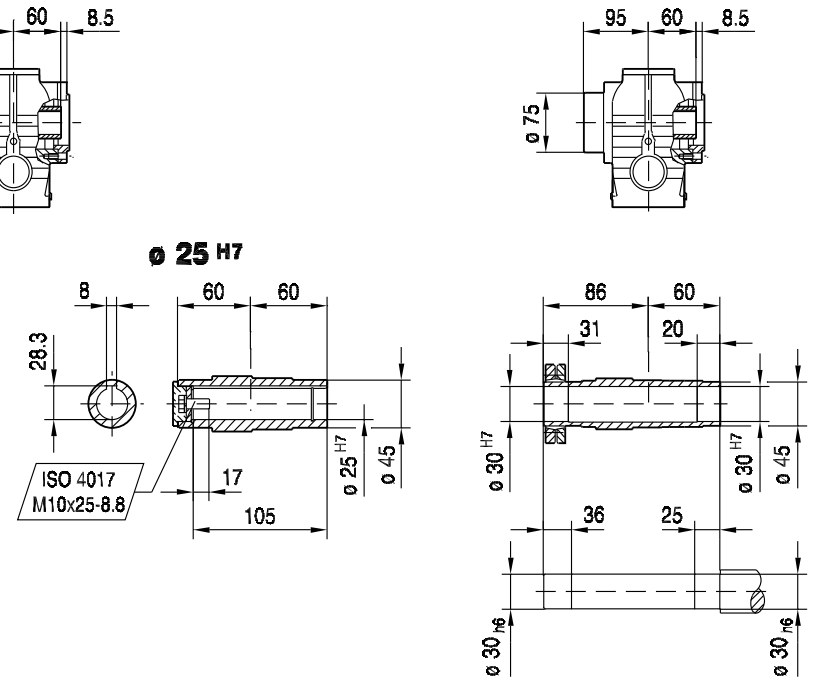
## SAZ47..




## SAZ47..



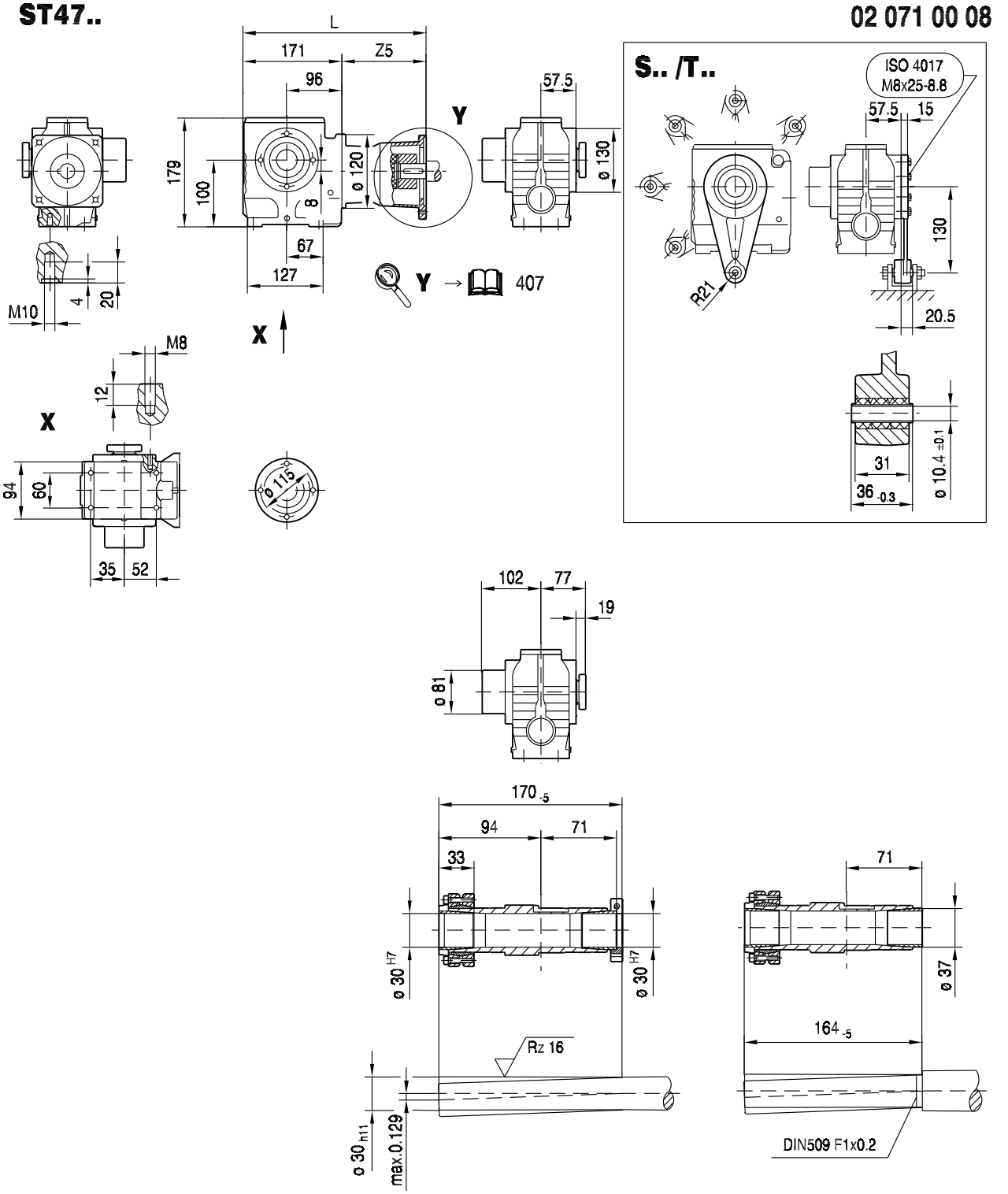

## SHZ47..




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 276 | 301 | 315 | 324 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

**ST47..**

02 071 00 08



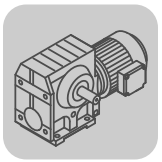

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 276 | 301 | 315 | 324 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

### 11.2.5 S 57 AQ.. [Nm]

| [Nm] | | AQ. $M_{amax}$ \| $M_{apk}$ \| $M_{aNotaus}$ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | i | 80/1-3 | | | 100/1-4 | | | 115/1-2 | | | 115/3 | | |
| S57 2 | 4.00 | 63 | 68 | 102 | 63 | 106 | 159 | 63 | 106 | 159 | 88 | 106 | 159 |
| | 4.76 | 74 | 75 | 112 | 74 | 126 | 189 | 74 | 126 | 189 | 93 | 126 | 189 |
| | 5.39 | 84 | 80 | 120 | 84 | 142 | 210 | 84 | 142 | 210 | 95 | 142 | 210 |
| | 6.40 | 98 | 86 | 129 | 98 | 147 | 220 | 98 | 147 | 220 | 98 | 147 | 220 |
| | 6.83 | 100 | 88 | 132 | 100 | 150 | 225 | 100 | 150 | 225 | 100 | 150 | 225 |
| | 7.28 | 112 | 112 | 215 | 112 | 112 | 225 | 112 | 112 | 225 | 146 | 183 | 245 |
| | 8.64 | 133 | 133 | 255 | 133 | 133 | 265 | 133 | 133 | 265 | 166 | 210 | 280 |
| | 9.23 | 142 | 142 | 275 | 142 | 142 | 280 | 142 | 142 | 280 | 169 | 220 | 285 |
| | 10.80 | 165 | 165 | 285 | 165 | 165 | 285 | 165 | 165 | 285 | 169 | 220 | 285 |
| | 12.10 | 169 | 184 | 285 | 169 | 184 | 285 | 169 | 184 | 285 | 169 | 220 | 285 |
| | 14.24 | 169 | 215 | 285 | 169 | 215 | 285 | 169 | 215 | 285 | 169 | 220 | 285 |
| | 16.47 | 168 | 220 | 285 | 168 | 220 | 285 | 168 | 220 | 285 | 168 | 220 | 285 |
| | 17.62 | 168 | 215 | 285 | 168 | 215 | 285 | 168 | 215 | 285 | 168 | 215 | 285 |
| | 19.54 | 215 | 270 | 365 | 215 | 270 | 365 | 215 | 270 | 365 | 215 | 270 | 365 |
| | 20.33 | 168 | 215 | 285 | 168 | 215 | 285 | 168 | 215 | 285 | 168 | 215 | 285 |
| | 23.20 | 245 | 315 | 415 | 245 | 315 | 415 | 245 | 315 | 415 | 245 | 315 | 415 |
| | 24.77 | 245 | 330 | 415 | 245 | 330 | 415 | 245 | 330 | 415 | 245 | 330 | 415 |
| | 29.00 | 245 | 360 | 415 | 245 | 360 | 415 | 245 | 360 | 415 | 245 | 360 | 415 |
| | 32.48 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 |
| | 38.23 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 |
| | 44.22 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 |
| | 47.32 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 |
| | 54.59 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 | 245 | 365 | 415 |
| | 63.80 | 245 | 360 | 415 | 245 | 360 | 415 | 245 | 360 | 415 | 245 | 360 | 415 |
| | 69.39 | 245 | 360 | 415 | 245 | 360 | 415 | 245 | 360 | 415 | 245 | 360 | 415 |

| m [kg] | | AQ. | | | |
|---|---|---|---|---|---|
| | s | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 |
| S57 | 2 | 17 | 17 | 18 | 18 |
| SF: + 3.8 kg / SA: + -0.3 kg / SAF: + 2.6 kg | | | | | |

| | | AQ. | | | |
|---|---|---|---|---|---|
| | | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 |
| $J_A\ 10^{-4}$ | [$kgm^2$] | 0.77 | 1.4 | 1.4 | 3.1 |
| $c_{TA}$ | [Nm/'] | 0.25 | 0.25 | 0.25 | 0.625 |





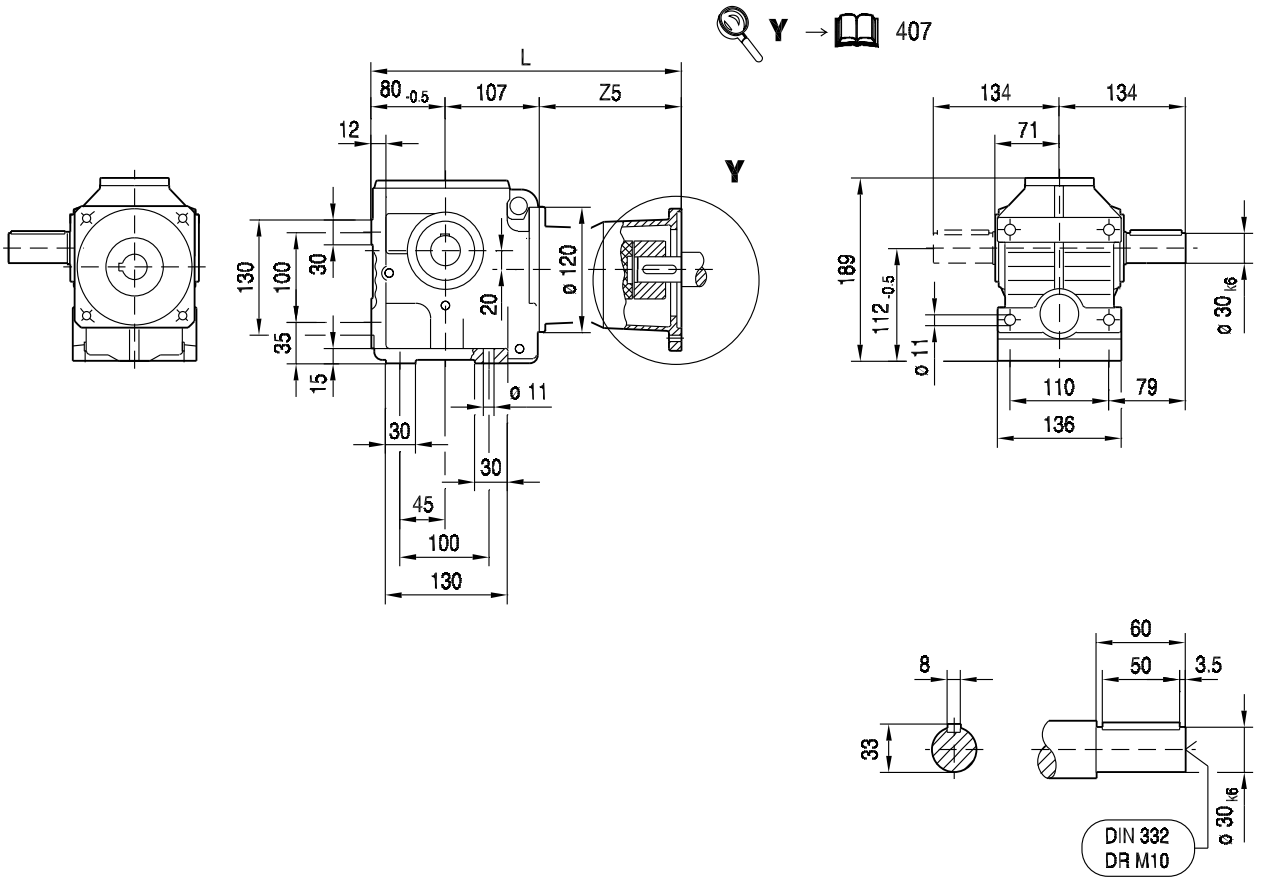
| S57 | | | | | | | $F_{Ramax}$ | | | | $F_{Rapk}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $n_e$ = 1400 | i | $M_{amax}$ [Nm] | $M_{apk}$ [Nm] | $M_{aNotaus}$ [Nm] | $n_{ak}$ [1/min] | $J_G$ $10^{-4}$ [kgm$^2$] | S [N] | SF [N] | SA [N] | SAF [N] | S [N] | SF [N] | SA [N] | SAF [N] |
| | 4.00 | 88 | 106 | 159 | 275 | 4.5 | 3380 | 3320 | 2730 | 2730 | 8170 | 8170 | 10000 | 10000 |
| | 4.76 | 93 | 126 | 189 | 231 | 3.3 | 3590 | 3520 | 2900 | 2900 | 8110 | 8110 | 10000 | 10000 |
| | 5.39 | 95 | 142 | 210 | 204 | 2.6 | 3760 | 3690 | 3040 | 3040 | 8060 | 8060 | 10000 | 10000 |
| | 6.40 | 98 | 147 | 220 | 172 | 1.9 | 4010 | 3930 | 3250 | 3250 | 8040 | 8040 | 10000 | 10000 |
| | 6.83 | 100 | 150 | 225 | 161 | 1.7 | 4100 | 4010 | 3330 | 3330 | 8030 | 8030 | 10000 | 10000 |
| | 7.28 | 146 | 183 | 248 | 27 | 1.7 | 3790 | 3770 | 2620 | 2620 | 7880 | 7880 | 10000 | 10000 |
| | 8.64 | 166 | 211 | 282 | 23 | 1.3 | 3900 | 3890 | 2430 | 2430 | 7730 | 7730 | 10000 | 10000 |
| | 9.23 | 169 | 223 | 287 | 22 | 1.1 | 3990 | 3980 | 2530 | 2530 | 7660 | 7660 | 10000 | 10000 |
| | 10.80 | 169 | 220 | 287 | 19 | 0.85 | 4290 | 4270 | 3000 | 3000 | 7680 | 7680 | 10000 | 10000 |
| | 12.10 | 169 | 220 | 287 | 17 | 0.70 | 4520 | 4490 | 3360 | 3360 | 7680 | 7680 | 10000 | 10000 |
| | 14.24 | 169 | 220 | 287 | 14 | 0.51 | 4860 | 4820 | 3810 | 3810 | 7680 | 7680 | 10000 | 10000 |
| S57 | 16.47 | 168 | 220 | 286 | 12 | 0.40 | 5200 | 5130 | 4120 | 4120 | 7680 | 7680 | 10000 | 10000 |
| 2 | 17.62 | 168 | 215 | 286 | 11 | 0.36 | 5350 | 5280 | 4260 | 4260 | 7710 | 7710 | 10000 | 10000 |
| | 19.54 | 215 | 274 | 366 | 26 | 1.3 | 5720 | 5620 | 4610 | 4610 | 7300 | 7300 | 10000 | 10000 |
| | 20.33 | 168 | 215 | 286 | 10 | 0.28 | 5690 | 5600 | 4560 | 4560 | 7710 | 7710 | 10000 | 10000 |
| | 23.20 | 245 | 315 | 417 | 9 | 0.95 | 5930 | 5840 | 4710 | 4710 | 6950 | 6950 | 10000 | 10000 |
| | 24.77 | 245 | 330 | 417 | 8 | 0.85 | 6100 | 6000 | 4870 | 4870 | 6800 | 6800 | 10000 | 10000 |
| | 29.00 | 245 | 360 | 417 | 7 | 0.65 | 6520 | 6410 | 5250 | 5250 | 6470 | 6470 | 10000 | 10000 |
| | 32.48 | 245 | 367 | 417 | 6 | 0.54 | 6840 | 6710 | 5540 | 5540 | 6380 | 6380 | 10000 | 10000 |
| | 38.23 | 245 | 367 | 417 | 5 | 0.39 | 7320 | 7170 | 5970 | 5970 | 6380 | 6380 | 10000 | 10000 |
| | 44.22 | 245 | 367 | 417 | 11 | 0.32 | 7520 | 7520 | 6380 | 6380 | 6380 | 6380 | 10000 | 10000 |
| | 47.32 | 245 | 367 | 417 | 11 | 0.28 | 7520 | 7520 | 6580 | 6580 | 6380 | 6380 | 10000 | 10000 |
| | 54.59 | 245 | 367 | 417 | 9 | 0.23 | 7520 | 7520 | 7000 | 7000 | 6380 | 6380 | 10000 | 10000 |
| | 63.80 | 245 | 360 | 417 | 8 | 0.18 | 7520 | 7520 | 7500 | 7500 | 6470 | 6470 | 10000 | 10000 |
| | 69.39 | 245 | 360 | 417 | 7 | 0.15 | 7520 | 7520 | 7770 | 7770 | 6470 | 6470 | 10000 | 10000 |

| AQ. | | | | $c_{TG}$ | | | |
|---|---|---|---|---|---|---|---|
| | i | $n_{epk}$ [1/min] | η [%] | S [Nm/']| SF [Nm/'] | SA [Nm/'] | SAF [Nm/'] |
| | 4.00 | 4500 | 90 | - | - | - | - |
| | 4.76 | 4500 | 90 | - | - | - | - |
| | 5.39 | 4500 | 90 | - | - | - | - |
| | 6.40 | 4500 | 89 | - | - | - | - |
| | 6.83 | 4500 | 89 | - | - | - | - |
| | 7.28 | 4500 | 89 | - | - | - | - |
| | 8.64 | 4500 | 88 | - | - | - | - |
| | 9.23 | 4500 | 88 | - | - | - | - |
| | 10.80 | 4500 | 88 | - | - | - | - |
| | 12.10 | 4500 | 88 | - | - | - | - |
| | 14.24 | 4500 | 87 | - | - | - | - |
| S57 | 16.47 | 4500 | 87 | - | - | - | - |
| 2 | 17.62 | 4500 | 86 | - | - | - | - |
| | 19.54 | 4500 | 81 | - | - | - | - |
| | 20.33 | 4500 | 86 | - | - | - | - |
| | 23.20 | 4500 | 81 | - | - | - | - |
| | 24.77 | 4500 | 80 | - | - | - | - |
| | 29.00 | 4500 | 80 | - | - | - | - |
| | 32.48 | 4500 | 79 | - | - | - | - |
| | 38.23 | 4500 | 78 | - | - | - | - |
| | 44.22 | 4500 | 78 | - | - | - | - |
| | 47.32 | 4500 | 77 | - | - | - | - |
| | 54.59 | 4500 | 77 | - | - | - | - |
| | 63.80 | 4500 | 76 | - | - | - | - |
| | 69.39 | 4500 | 75 | - | - | - | - |

### 11.2.6 S 57 AQ.. [mm]

02 072 00 08

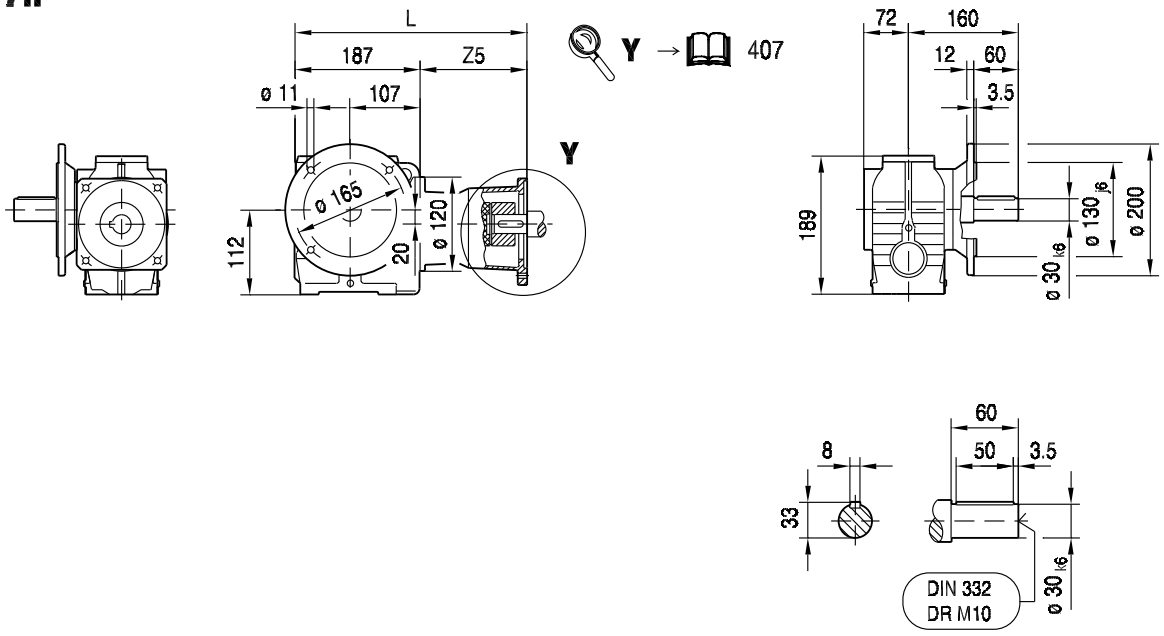
**S57..**



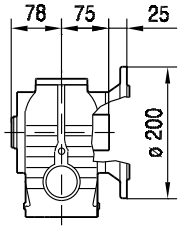

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 292 | 317 | 331 | 340 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

02 073 00 08

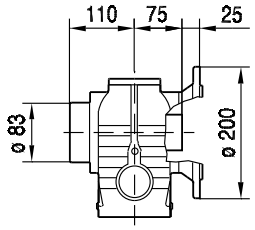
## SF57..

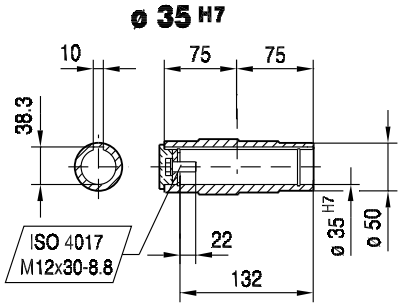


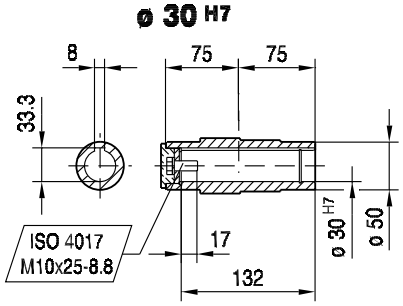

## SAF57..

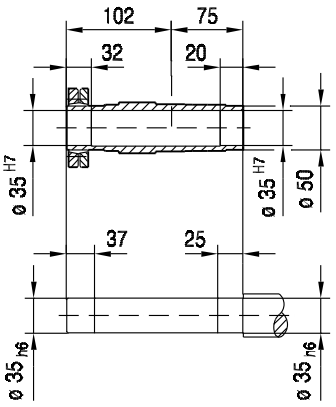



## SHF57..



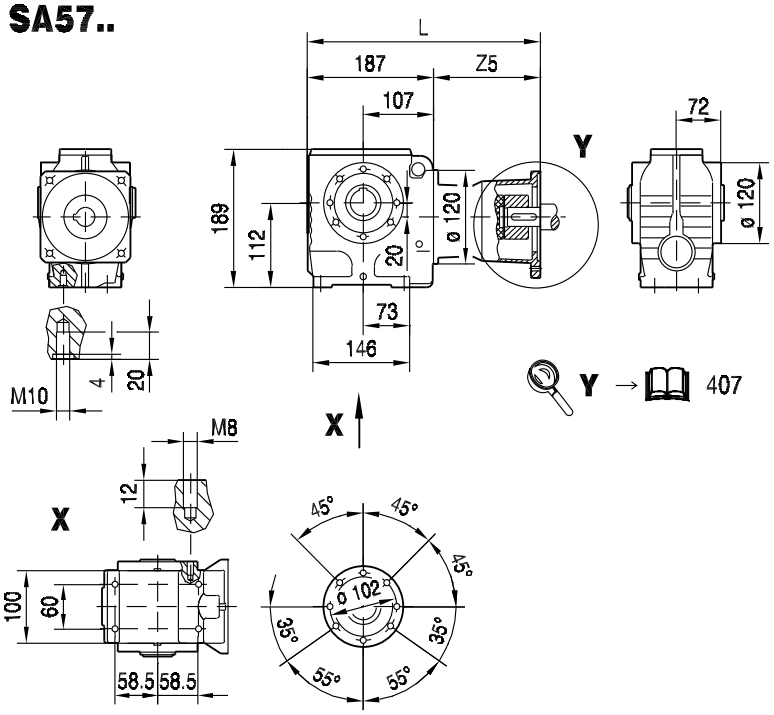



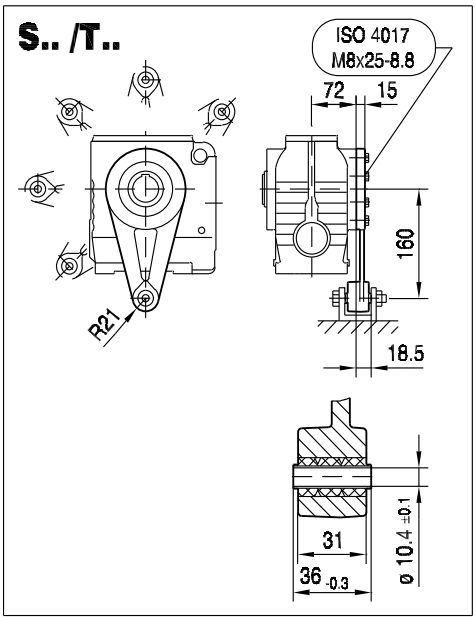




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 292 | 317 | 331 | 340 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

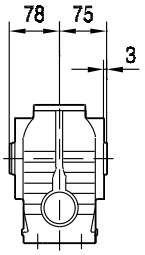
## SA57..

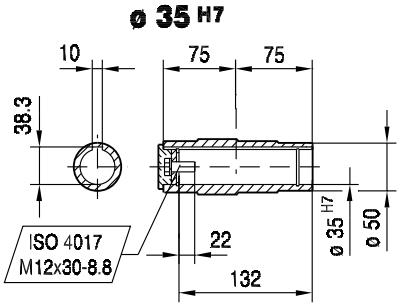
02 074 00 08

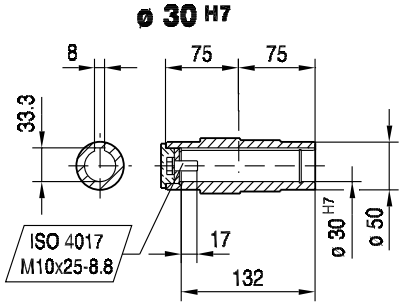


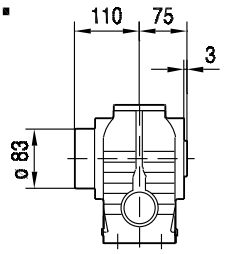

## SA57..

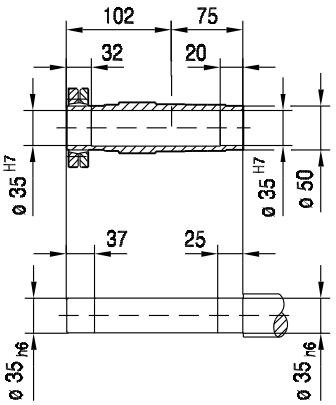



## SH57..

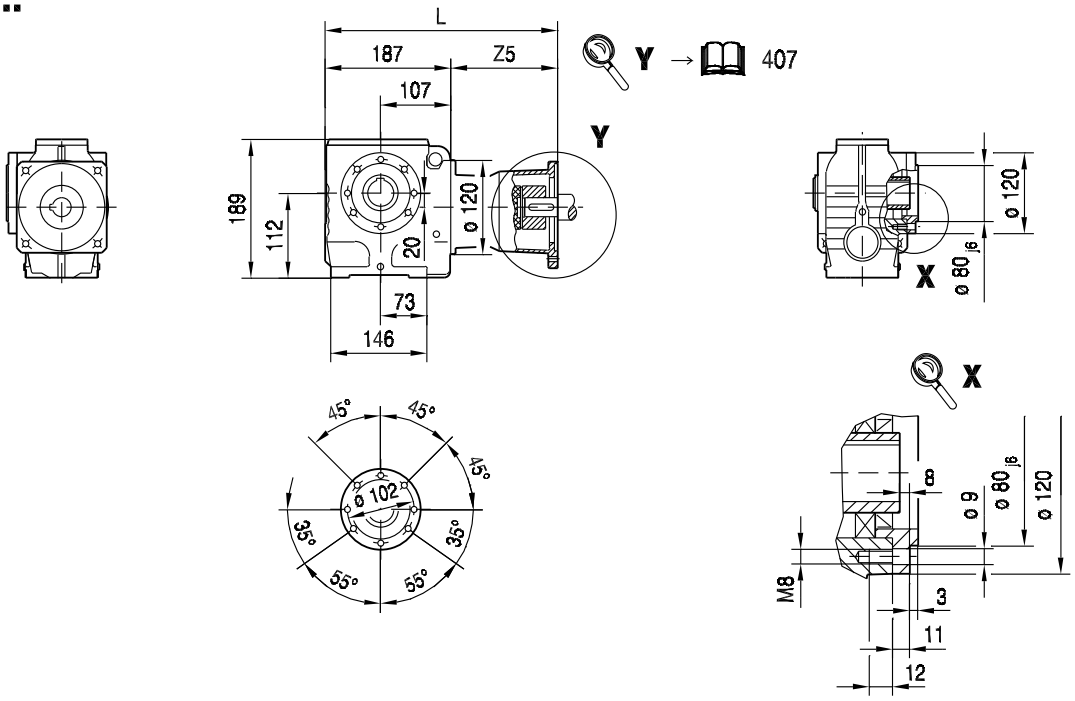


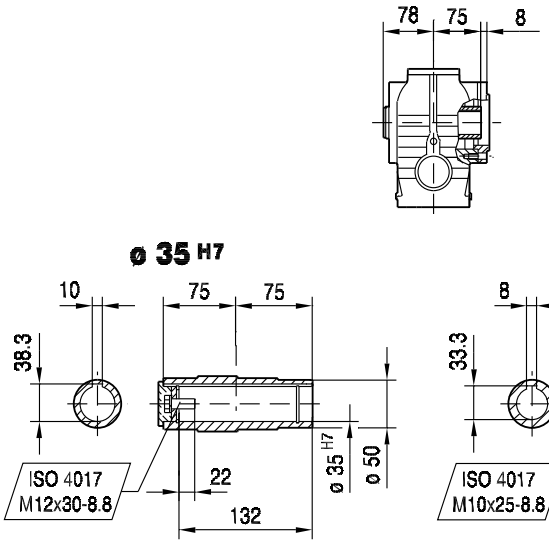

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 292 | 317 | 331 | 340 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

02 075 00 08

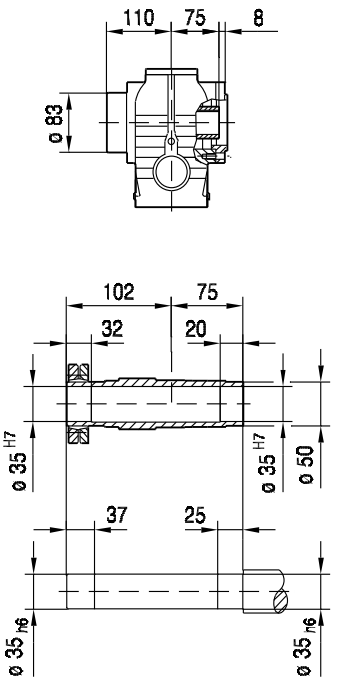
## SAZ57..



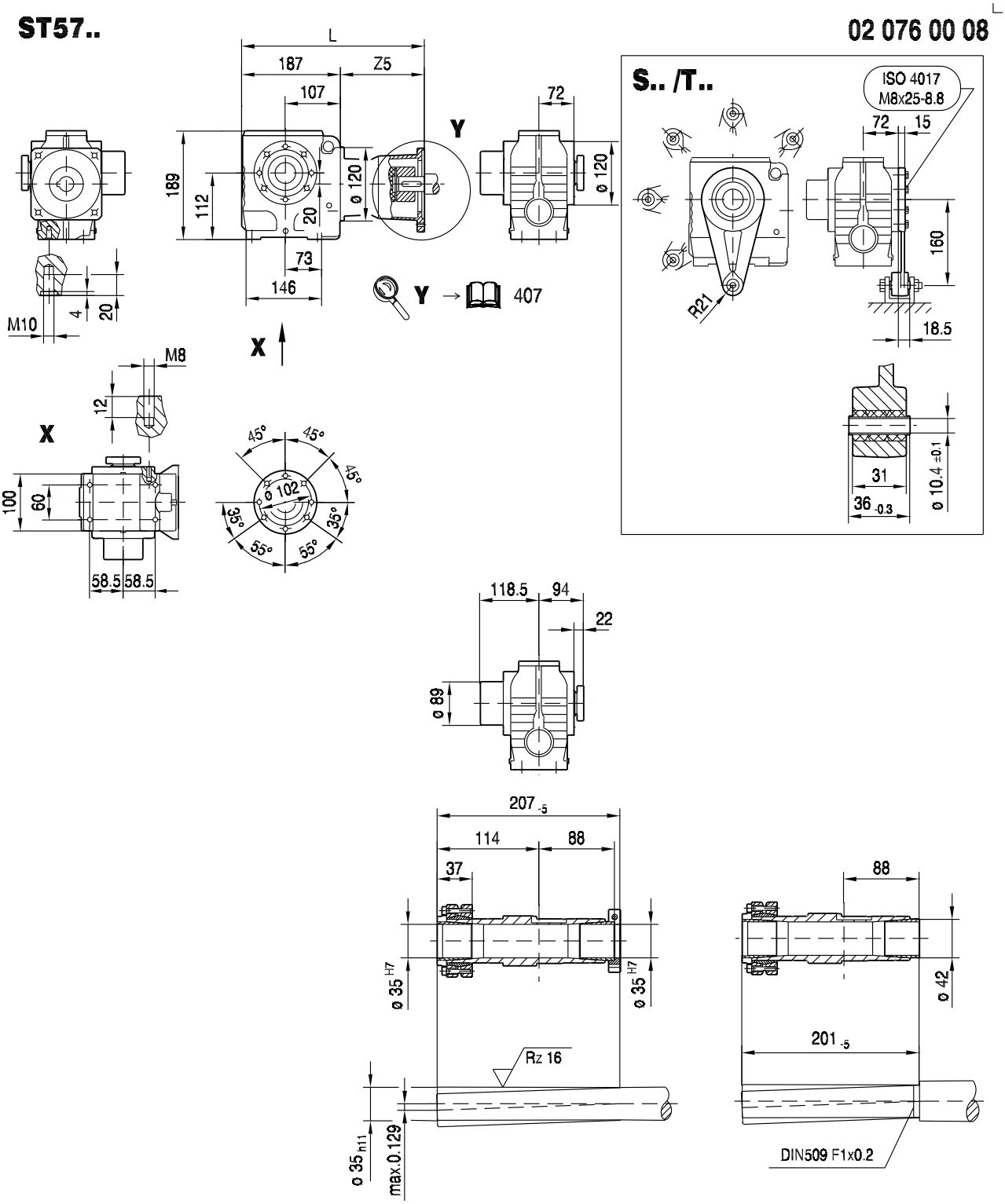

## SAZ57..




## SHZ57..




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 292 | 317 | 331 | 340 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **L** | 292 | 317 | 331 | 340 | | | | |
| **Z5** | 104.5 | 129.5 | 143.5 | 152.5 | | | | |

### 11.2.7 S 67 AQ.. [Nm]

| [Nm] | | AQ. $M_{amax}$ \| $M_{apk}$ \| $M_{aNotaus}$ | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | i | 80/1-3 | | | 100/1-4 | | | 115/1-2 | | | 115/3 | | | 140/1 | | | 140/2-4 | | | 160/1 | | | 190/1-3 | | |
| S67  2 | 7.56 | 118 | 118 | 230 | 118 | 118 | 235 | 118 | 118 | 235 | 295 | 320 | 320 | 295 | 375 | 500 | 295 | 375 | 500 | 295 | 375 | 500 | 295 | 375 | 500 |
| | 8.69 | 135 | 135 | 260 | 135 | 135 | 270 | 135 | 135 | 270 | 335 | 365 | 365 | 335 | 420 | 570 | 335 | 420 | 570 | 335 | 420 | 570 | 335 | 420 | 570 |
| | 10.03 | 156 | 156 | 300 | 156 | 156 | 310 | 156 | 156 | 310 | 340 | 420 | 420 | 340 | 450 | 575 | 340 | 450 | 575 | 340 | 450 | 575 | 340 | 450 | 575 |
| | 11.03 | 171 | 171 | 330 | 171 | 171 | 340 | 171 | 171 | 340 | 340 | 455 | 460 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 |
| | 12.96 | 200 | 200 | 390 | 200 | 200 | 400 | 200 | 200 | 400 | 340 | 455 | 540 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 |
| | 13.73 | 210 | 210 | 410 | 210 | 210 | 420 | 210 | 210 | 420 | 340 | 455 | 570 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 |
| | 15.60 | 240 | 240 | 465 | 240 | 240 | 480 | 240 | 240 | 480 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 | | | |
| | 17.28 | 265 | 265 | 515 | 265 | 265 | 530 | 265 | 265 | 530 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 | 340 | 455 | 575 | | | |
| | 20.30 | | | | | | | | | | | | | 425 | 490 | 720 | 425 | 490 | 720 | 425 | 490 | 720 | 425 | 490 | 720 |
| | 20.37 | 310 | 310 | 575 | 310 | 310 | 575 | 310 | 310 | 575 | 340 | 450 | 575 | 340 | 450 | 575 | 340 | 450 | 575 | 340 | 450 | 575 | | | |
| | 23.22 | 340 | 350 | 575 | 340 | 350 | 575 | 340 | 350 | 575 | 340 | 450 | 575 | | | | | | | | | | | | |
| | 23.33 | | | | 335 | 335 | 670 | 335 | 335 | 670 | 480 | 515 | 810 | 480 | 515 | 810 | 480 | 515 | 810 | 480 | 515 | 810 | 480 | 515 | 810 |
| | 24.44 | 340 | 370 | 575 | 340 | 370 | 575 | 340 | 370 | 575 | 340 | 450 | 575 | | | | | | | | | | | | |
| | 26.93 | 385 | 385 | 750 | 385 | 385 | 770 | 385 | 385 | 770 | 480 | 535 | 810 | 480 | 535 | 810 | 480 | 535 | 810 | 480 | 535 | 810 | 480 | 535 | 810 |
| | 29.63 | 420 | 420 | 810 | 420 | 420 | 810 | 420 | 420 | 810 | 480 | 550 | 810 | 480 | 550 | 810 | 480 | 550 | 810 | 480 | 550 | 810 | 480 | 550 | 810 |
| | 34.80 | 480 | 490 | 810 | 480 | 490 | 810 | 480 | 490 | 810 | 480 | 575 | 810 | 480 | 575 | 810 | 480 | 575 | 810 | 480 | 575 | 810 | 480 | 575 | 810 |
| | 36.85 | 480 | 520 | 810 | 480 | 520 | 810 | 480 | 520 | 810 | 480 | 580 | 810 | 480 | 580 | 810 | 480 | 580 | 810 | 480 | 580 | 810 | 480 | 580 | 810 |
| | 41.89 | 480 | 585 | 810 | 480 | 585 | 810 | 480 | 585 | 810 | 480 | 595 | 810 | 480 | 595 | 810 | 480 | 595 | 810 | 480 | 595 | 810 | | | |
| | 46.40 | 480 | 610 | 810 | 480 | 610 | 810 | 480 | 610 | 810 | 480 | 610 | 810 | 480 | 610 | 810 | 480 | 610 | 810 | 480 | 610 | 810 | | | |
| | 54.70 | 480 | 625 | 810 | 480 | 625 | 810 | 480 | 625 | 810 | 480 | 625 | 810 | 480 | 625 | 810 | 480 | 625 | 810 | 480 | 625 | 810 | | | |
| | 62.35 | 480 | 640 | 810 | 480 | 640 | 810 | 480 | 640 | 810 | 480 | 640 | 810 | | | | | | | | | | | | |
| | 65.63 | 480 | 645 | 810 | 480 | 645 | 810 | 480 | 645 | 810 | 480 | 645 | 810 | | | | | | | | | | | | |
| | 75.06 | 480 | 655 | 810 | 480 | 655 | 810 | 480 | 655 | 810 | 480 | 655 | 810 | | | | | | | | | | | | |

| m [kg] | | AQ. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | s | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 | 140/1 | 140/2-4 | 160/1 | 190/1-3 |
| S67 |  2 | 28 | 28 | 29 | 29 | 34 | 34 | 34 | 43 |
| SF: + 6.5 kg / SA: + 1.0 kg / SAF: + 5.5 kg | | | | | | | | | |

| | | AQ. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 80/1-3 | 100/1-4 | 115/1-2 | 115/3 | 140/1 | 140/2-4 | 160/1 | 190/1-3 |
| $J_A\ 10^{-4}$ | [$kgm^2$] | 0.77 | 1.4 | 1.4 | 3.1 | 5.1 | 10.0 | 10.0 | 25.0 |
| $c_{TA}$ | [Nm/'] | 0.25 | 0.25 | 0.25 | 0.625 | 0.625 | 1.0 | 1.0 | 2.08 |

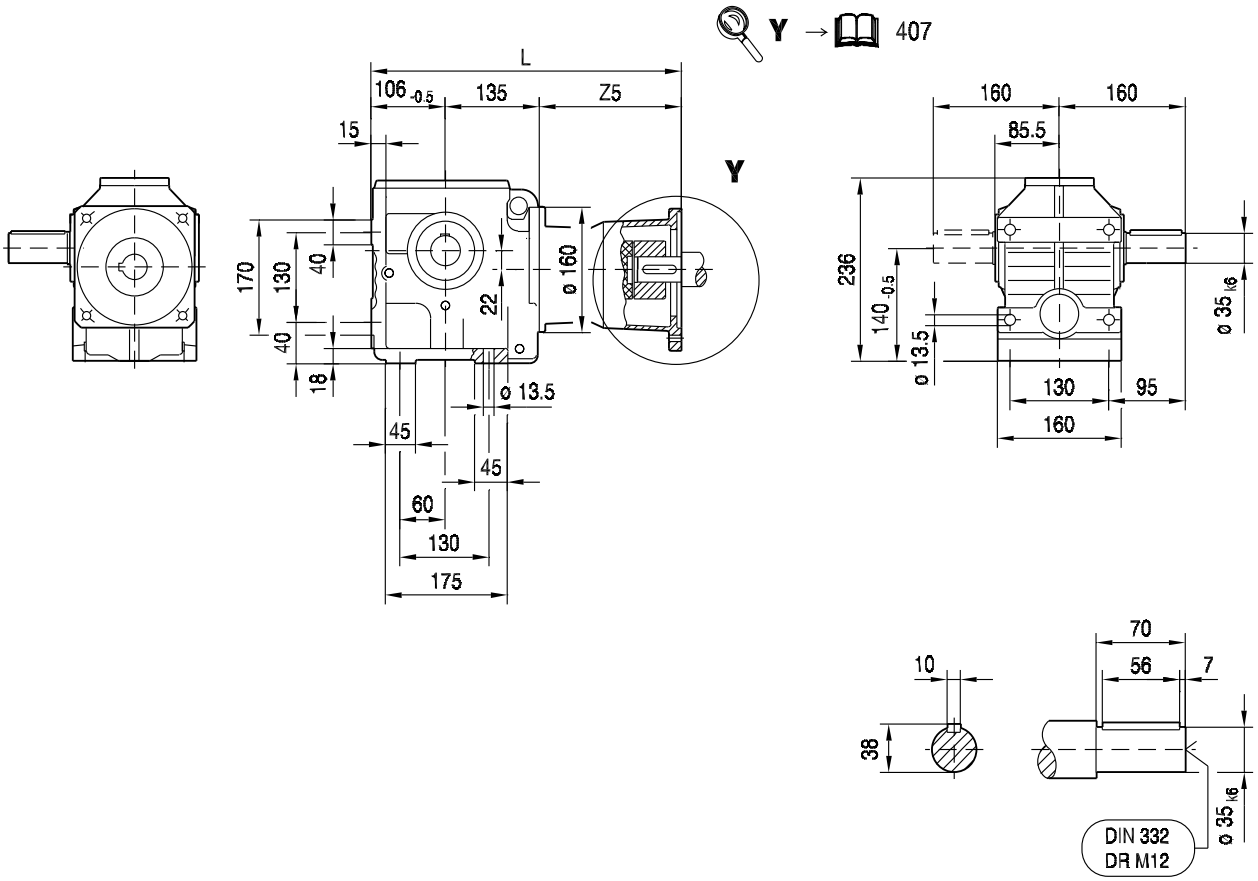
| S67 | | | | | | | $F_{Ramax}$ | | | | $F_{Rapk}$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $n_e$ = 1400 | i | $M_{amax}$ [Nm] | $M_{apk}$ [Nm] | $M_{aNotaus}$ [Nm] | $n_{ak}$ [1/min] | $J_G$ $10^{-4}$ [kgm$^2$] | S [N] | SF [N] | SA [N] | SAF [N] | S [N] | SF [N] | SA [N] | SAF [N] |
| | 7.56 | 295 | 375 | 502 | 26 | 5.4 | 3220 | 3890 | 2540 | 2540 | 9740 | 9740 | 12000 | 12000 |
| | 8.69 | 335 | 420 | 570 | 23 | 4.3 | 2860 | 3590 | 2020 | 2020 | 9460 | 9460 | 12000 | 12000 |
| | 10.03 | 340 | 450 | 578 | 20 | 3.3 | 3290 | 4050 | 2480 | 2480 | 9250 | 9250 | 12000 | 12000 |
| | 11.03 | 340 | 455 | 578 | 18 | 2.8 | 3660 | 4430 | 2890 | 2890 | 9210 | 9210 | 12000 | 12000 |
| | 12.96 | 340 | 455 | 578 | 15 | 2.2 | 4310 | 5110 | 3610 | 3610 | 9210 | 9210 | 12000 | 12000 |
| | 13.73 | 340 | 455 | 578 | 15 | 2.0 | 4510 | 5310 | 3870 | 3870 | 9210 | 9210 | 12000 | 12000 |
| | 15.60 | 340 | 455 | 578 | 13 | 1.5 | 4820 | 5640 | 4480 | 4480 | 9210 | 9210 | 12000 | 12000 |
| | 17.28 | 340 | 455 | 578 | 12 | 1.3 | 5080 | 5910 | 4990 | 4990 | 9210 | 9210 | 12000 | 12000 |
| | 20.30 | 425 | 490 | 723 | 10 | 4.0 | 5760 | 6650 | 6090 | 6090 | 8940 | 8940 | 12000 | 12000 |
| | 20.37 | 340 | 450 | 578 | 34 | 0.99 | 5520 | 6360 | 5700 | 5700 | 9250 | 9250 | 12000 | 12000 |
| S67 | 23.22 | 340 | 450 | 578 | 47 | 0.71 | 5890 | 6740 | 6110 | 6110 | 9250 | 9250 | 12000 | 12000 |
|  2 | 23.33 | 480 | 515 | 816 | 9 | 3.2 | 5810 | 6800 | 6120 | 6120 | 8720 | 8720 | 12000 | 12000 |
| | 24.44 | 340 | 450 | 578 | 45 | 0.63 | 6040 | 6900 | 6270 | 6270 | 9250 | 9250 | 12000 | 12000 |
| | 26.93 | 480 | 535 | 816 | 7 | 2.6 | 6240 | 7240 | 6590 | 6590 | 8540 | 8540 | 12000 | 12000 |
| | 29.63 | 480 | 550 | 816 | 7 | 2.2 | 6540 | 7540 | 6920 | 6920 | 8390 | 8390 | 12000 | 12000 |
| | 34.80 | 480 | 575 | 816 | 14 | 1.8 | 7060 | 8080 | 7490 | 7490 | 8140 | 8140 | 12000 | 12000 |
| | 36.85 | 480 | 580 | 816 | 14 | 1.6 | 7250 | 8280 | 7710 | 7710 | 8080 | 8080 | 12000 | 12000 |
| | 41.89 | 480 | 595 | 816 | 12 | 1.3 | 7690 | 8740 | 8200 | 8200 | 7920 | 7920 | 12000 | 12000 |
| | 46.40 | 480 | 610 | 816 | 11 | 1.1 | 8060 | 9020 | 8600 | 8600 | 7740 | 7740 | 12000 | 12000 |
| | 54.70 | 480 | 625 | 816 | 9 | 0.84 | 8670 | 9020 | 9280 | 9280 | 7560 | 7560 | 12000 | 12000 |
| | 62.35 | 480 | 640 | 816 | 8 | 0.59 | 9020 | 9020 | 9850 | 9850 | 7370 | 7370 | 12000 | 12000 |
| | 65.63 | 480 | 645 | 816 | 8 | 0.53 | 9020 | 9020 | 10100 | 10100 | 6930 | 7300 | 12000 | 12000 |
| | 75.06 | 480 | 655 | 816 | 7 | 0.43 | 9020 | 9020 | 10700 | 10700 | 5930 | 7170 | 12000 | 12000 |

| AQ. | | | | $c_{TG}$ | | | |
|---|---|---|---|---|---|---|---|
| | i | $n_{epk}$ [1/min] | η [%] | S [Nm/'] | SF [Nm/'] | SA [Nm/'] | SAF [Nm/'] |
| | 7.56 | 4500 | 89 | - | - | - | - |
| | 8.69 | 4500 | 89 | - | - | - | - |
| | 10.03 | 4500 | 89 | - | - | - | - |
| | 11.03 | 4500 | 89 | - | - | - | - |
| | 12.96 | 4500 | 89 | - | - | - | - |
| | 13.73 | 4500 | 89 | - | - | - | - |
| | 15.60 | 4500 | 88 | - | - | - | - |
| | 17.28 | 4500 | 88 | - | - | - | - |
| | 20.30 | 4500 | 82 | - | - | - | - |
| | 20.37 | 4500 | 87 | - | - | - | - |
| S67 | 23.22 | 4500 | 87 | - | - | - | - |
|  2 | 23.33 | 4500 | 82 | - | - | - | - |
| | 24.44 | 4500 | 87 | - | - | - | - |
| | 26.93 | 4500 | 81 | - | - | - | - |
| | 29.63 | 4500 | 81 | - | - | - | - |
| | 34.80 | 4500 | 80 | - | - | - | - |
| | 36.85 | 4500 | 80 | - | - | - | - |
| | 41.89 | 4500 | 80 | - | - | - | - |
| | 46.40 | 4500 | 79 | - | - | - | - |
| | 54.70 | 4500 | 78 | - | - | - | - |
| | 62.35 | 4500 | 78 | - | - | - | - |
| | 65.63 | 4500 | 78 | - | - | - | - |
| | 75.06 | 4500 | 77 | - | - | - | - |

### 11.2.8 S 67 AQ.. [mm]

02 077 00 08

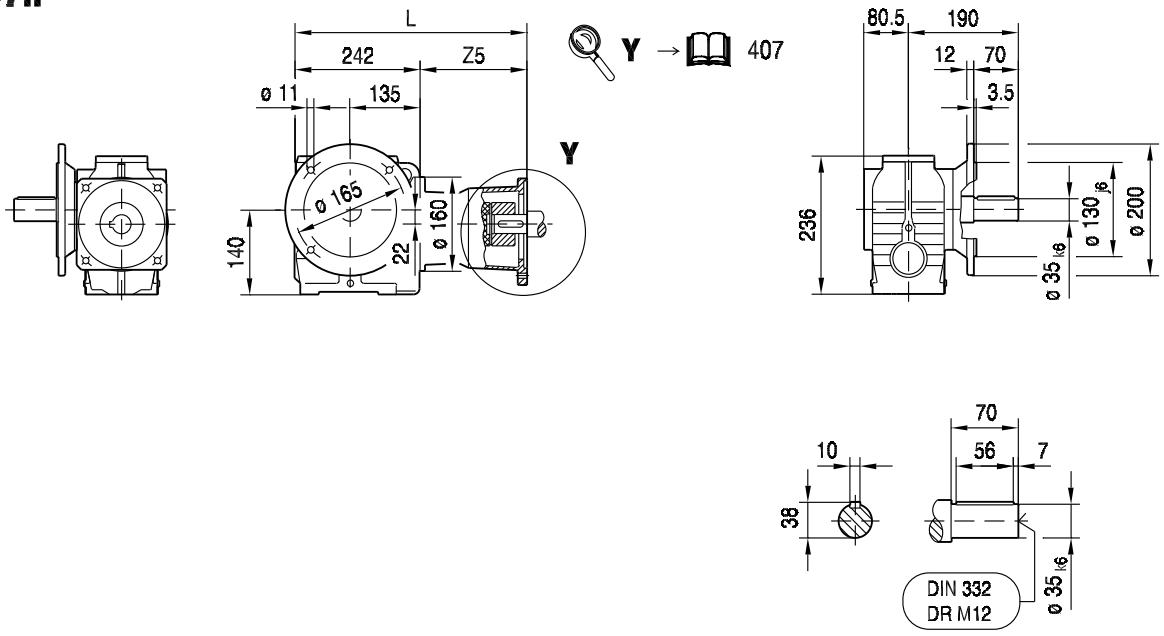
**S67..**



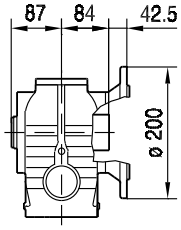

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | AQ140/1-2 | AQ140/3-4 | AQ160/1 | AQ190/1-2 | AQ190/3 |
|---|---|---|---|---|---|---|---|---|---|
| **L** | 339 | 364 | 378 | 387 | 416 | 429 | 429 | 479 | 503 |
| **Z5** | 98 | 123 | 137 | 146 | 175 | 188 | 188 | 237.5 | 261.5 |

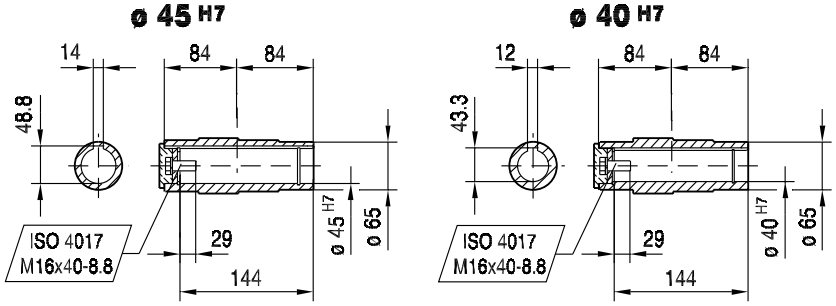
02 078 00 08

## SF67..

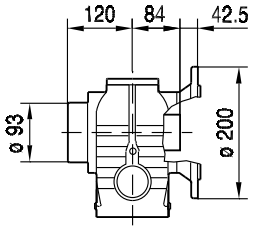


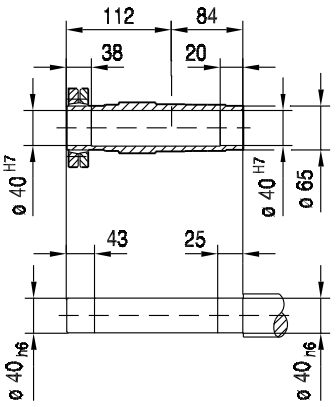

## SAF67..




## SHF67..

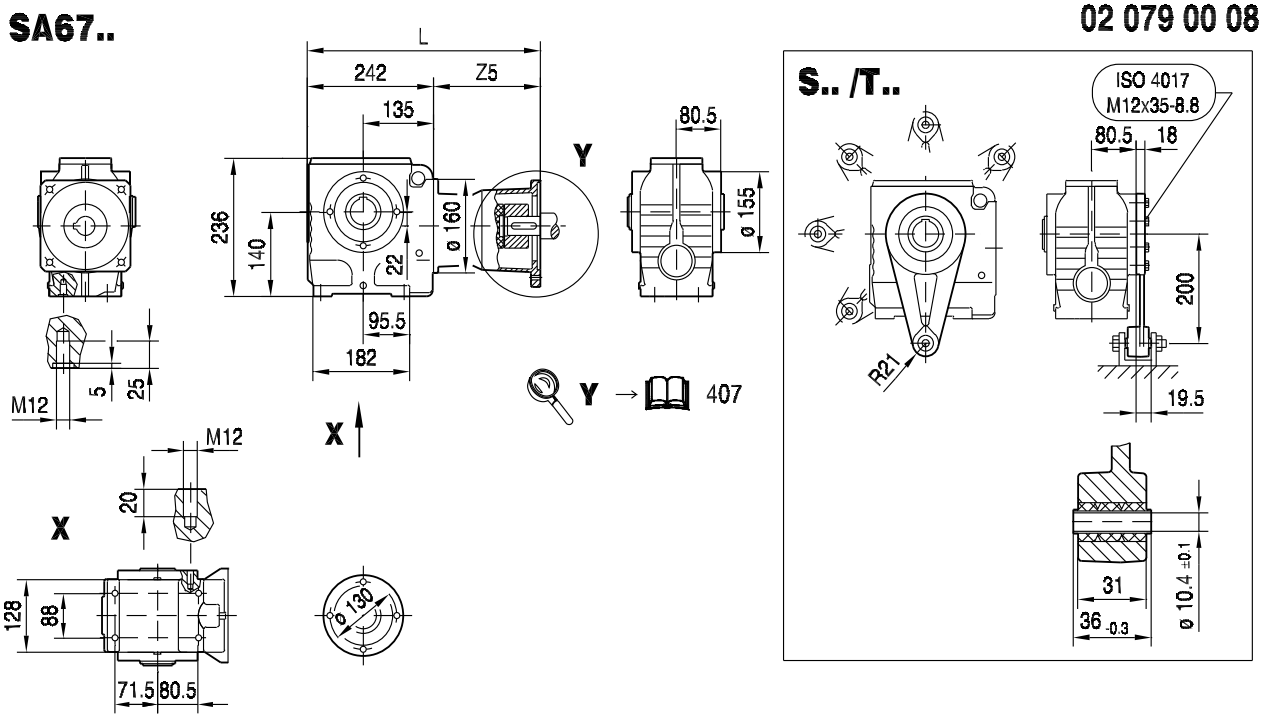


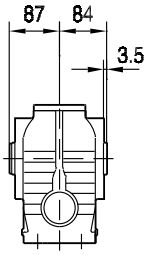

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | AQ140/1-2 | AQ140/3-4 | AQ160/1 | AQ190/1-2 | AQ190/3 |
|---|---|---|---|---|---|---|---|---|---|
| **L** | 340 | 365 | 379 | 388 | 417 | 430 | 430 | 480 | 504 |
| **Z5** | 98 | 123 | 137 | 146 | 175 | 188 | 188 | 237.5 | 261.5 |

## SA67..

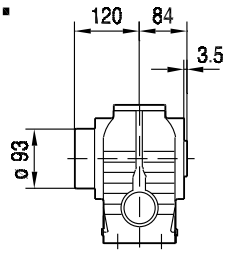
02 079 00 08

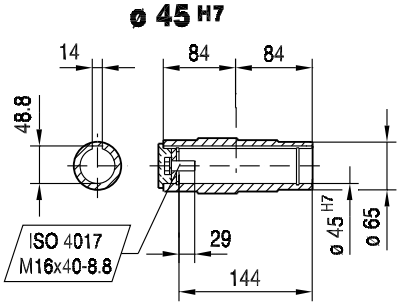


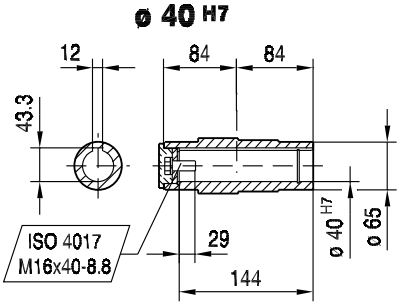

## SA67..

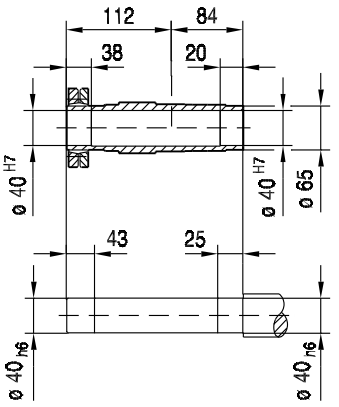



## SH67..



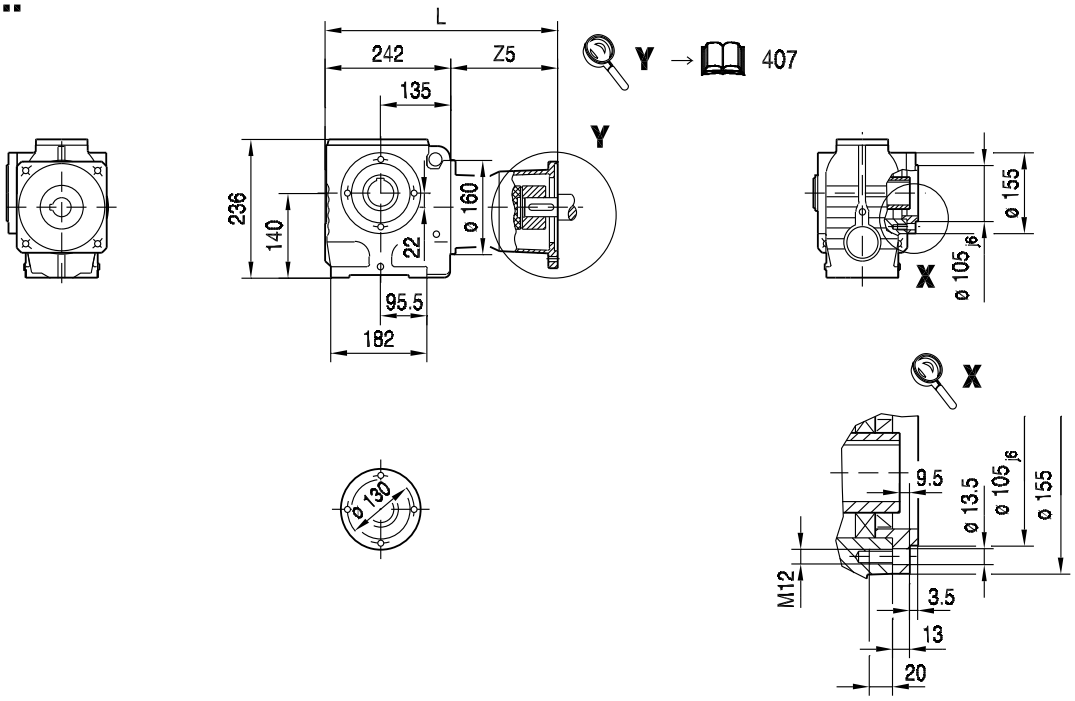



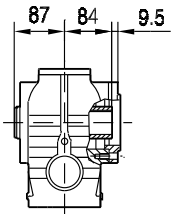

| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | AQ140/1-2 | AQ140/3-4 | AQ160/1 | AQ190/1-2 | AQ190/3 |
|---|---|---|---|---|---|---|---|---|---|
| **L** | 340 | 365 | 379 | 388 | 417 | 430 | 430 | 480 | 504 |
| **Z5** | 98 | 123 | 137 | 146 | 175 | 188 | 188 | 237.5 | 261.5 |

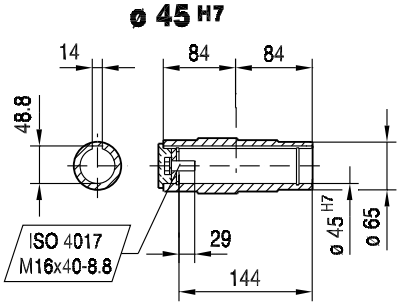
02 080 00 08

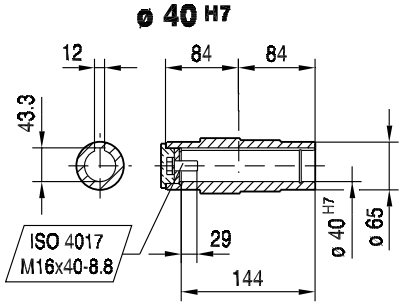
## SAZ67..



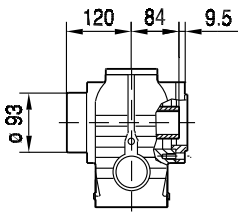

## SAZ67..

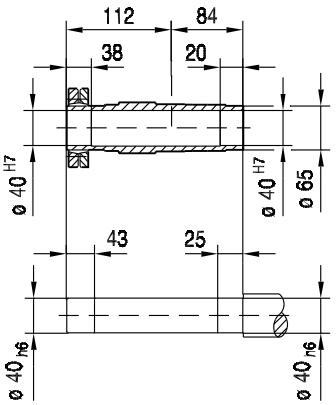



## SHZ67..

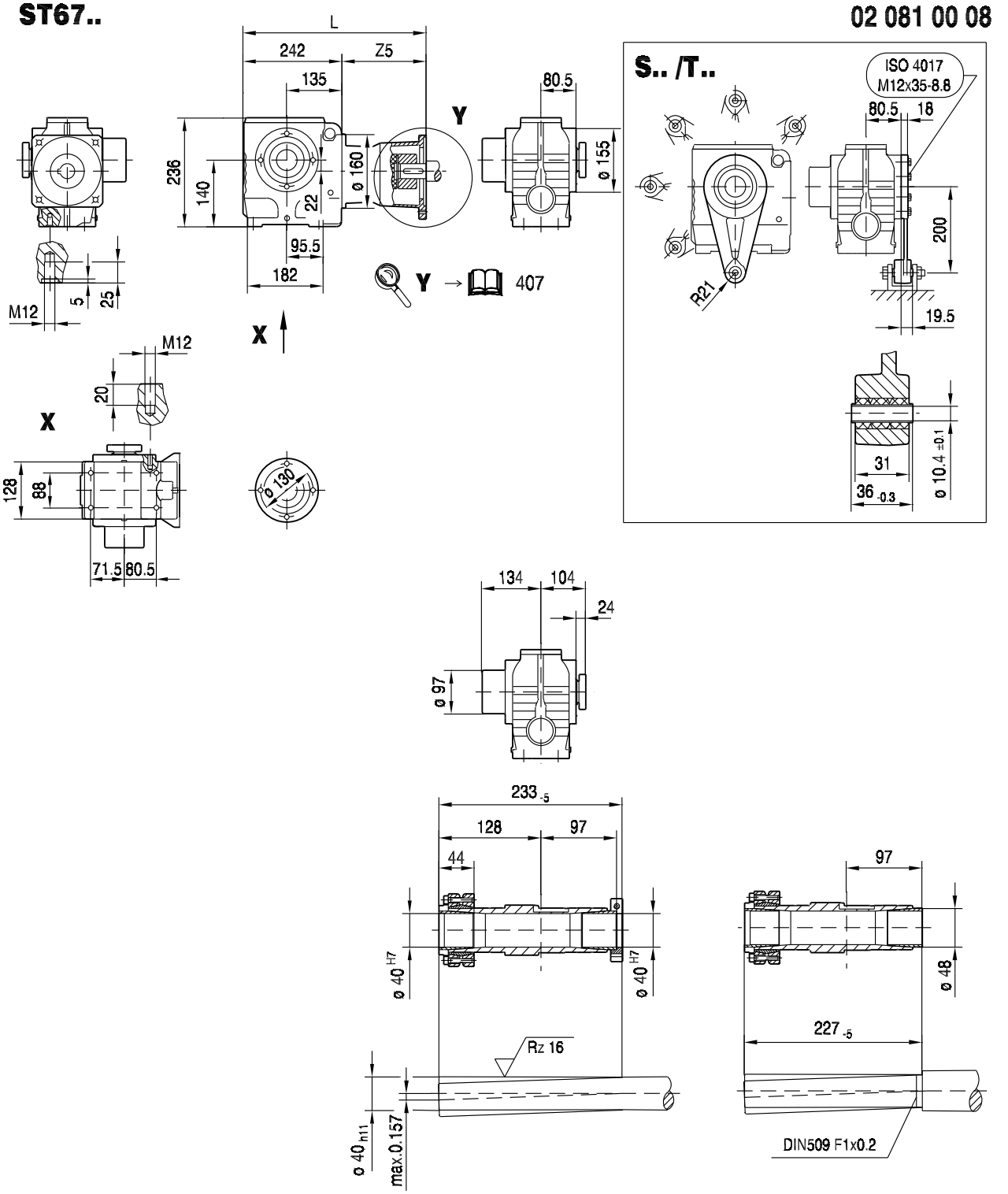



| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | AQ140/1-2 | AQ140/3-4 | AQ160/1 | AQ190/1-2 | AQ190/3 |
|---|---|---|---|---|---|---|---|---|---|
| **L** | 340 | 365 | 379 | 388 | 417 | 430 | 430 | 480 | 504 |
| **Z5** | 98 | 123 | 137 | 146 | 175 | 188 | 188 | 237.5 | 261.5 |

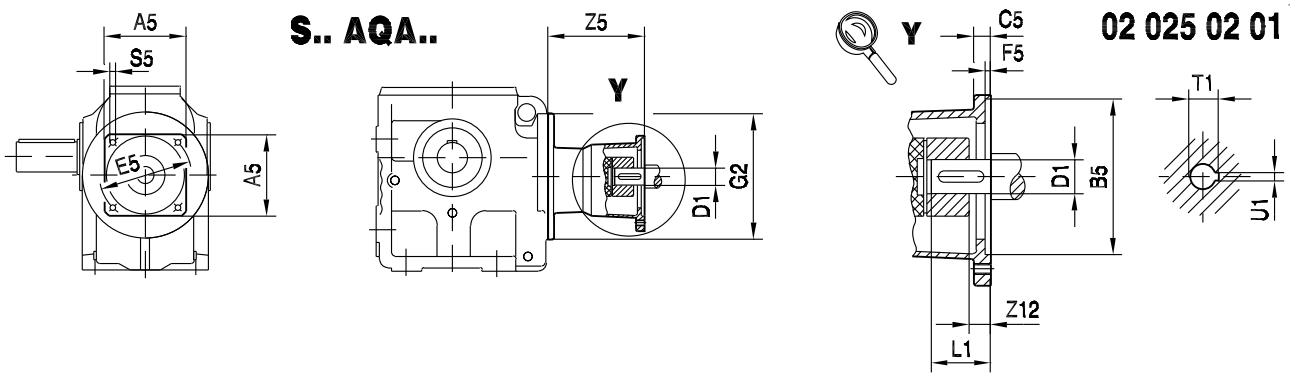
**ST67..**

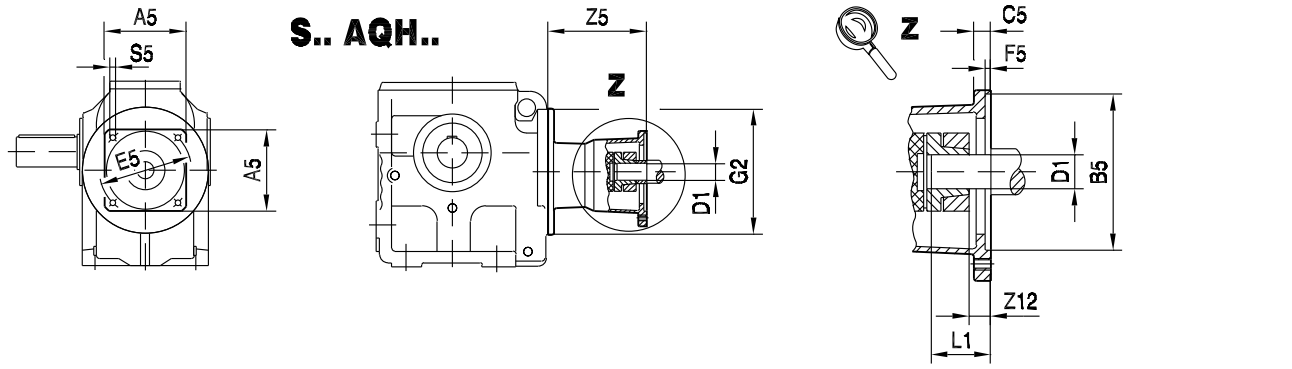
**02 081 00 08**




| (→ 144) | AQ80/1-3 | AQ100/1-2 | AQ100/3-4 | AQ115/1-3 | AQ140/1-2 | AQ140/3-4 | AQ160/1 | AQ190/1-2 | AQ190/3 |
|---|---|---|---|---|---|---|---|---|---|
| **L** | 340 | 365 | 379 | 388 | 417 | 430 | 430 | 480 | 504 |
| **Z5** | 98 | 123 | 137 | 146 | 175 | 188 | 188 | 237.5 | 261.5 |

## 11.3 S.. AQ.. [mm]




| | Square dimension A5 | Centering hole Ø B5 | Flange thickness C5 | Hole circle Ø E5 | Centering depth F5 | Threaded hole S5 | Z12 (AQA) | Z12 (AQH) | Coupling bore Ø D1 | Max. motor shaft insertion depth L1 | T1 | U1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AQ_80/1** | 82 | 60 | 8 | 75 | 3.5 | M5 | 5.5 | 5.5 | 11 | 23 | 12.8 | 4 |
| **AQ_80/2** | 82 | 60 | 8 | 75 | 3.5 | M5 | 5.5 | 5.5 | 14 | 30 | 16.3 | 5 |
| **AQ_80/3** | 82 | 50 | 8 | 95 | 3 | M6 | 5.5 | 5.5 | 14 | 30 | 16.3 | 5 |
| **AQ_100/1** | 100 | 80 | 10 | 100 | 4 | M6 | 0 | 0 | 14 | 30 | 16.3 | 5 |
| **AQ_100/2** | 100 | 95 | 12 | 115 | 4 | M8 | 0 | 0 | 14 | 30 | 16.3 | 5 |
| **AQ_100/3** | 100 | 80 | 10 | 100 | 4 | M6 | 2 | 14 | 19 | 40 | 21.8 | 6 |
| **AQ_100/4** | 100 | 95 | 12 | 115 | 4 | M8 | 2 | 14 | 19 | 40 | 21.8 | 6 |
| **AQ_115/1** | 115 | 95 | 12 | 130 | 5 | M8 | 11 | 23 | 19 | 40 | 21.8 | 6 |
| **AQ_115/2** | 115 | 110 | 12 | 130 | 5 | M8 | 11 | 23 | 19 | 40 | 21.8 | 6 |
| **AQ_115/3** | 115 | 110 | 12 | 130 | 5 | M8 | 16 | 16 | 24 | 50 | 27.3 | 8 |
| **AQ_140/1** | 140 | 110 | 15 | 165 | 5 | M10 | 16 | 16 | 24 | 50 | 27.3 | 8 |
| **AQ_140/2** | 140 | 130 | 15 | 165 | 5 | M10 | 16 | 16 | 24 | 50 | 27.3 | 8 |
| **AQ_140/3** | 140 | 130 | 15 | 165 | 5 | M10 | 22 | 22 | 32 | 60 | 35.3 | 10 |
| **AQ_140/4** | 140 | 130 | 15 | 165 | 5 | M10 | 22 | 22 | 28 | 60 | 31,3 | 8 |
| **AQ_160/1** | 162 | 155 | 15 | 190 | 5 | M10 | 22 | 22 | 32 | 60 | 35,3 | 10 |
| **AQ_190/1** | 190 | 130 | 16 | 215 | 5 | M12 | 24 | 24 | 32 | 60 | 35.3 | 10 |
| **AQ_190/2** | 190 | 180 | 16 | 215 | 5 | M12 | 24 | 24 | 32 | 60 | 35.3 | 10 |
| **AQ_190/3** | 190 | 180 | 16 | 215 | 5 | M12 | 34 | 34 | 38 | 80 | 41.3 | 10 |