

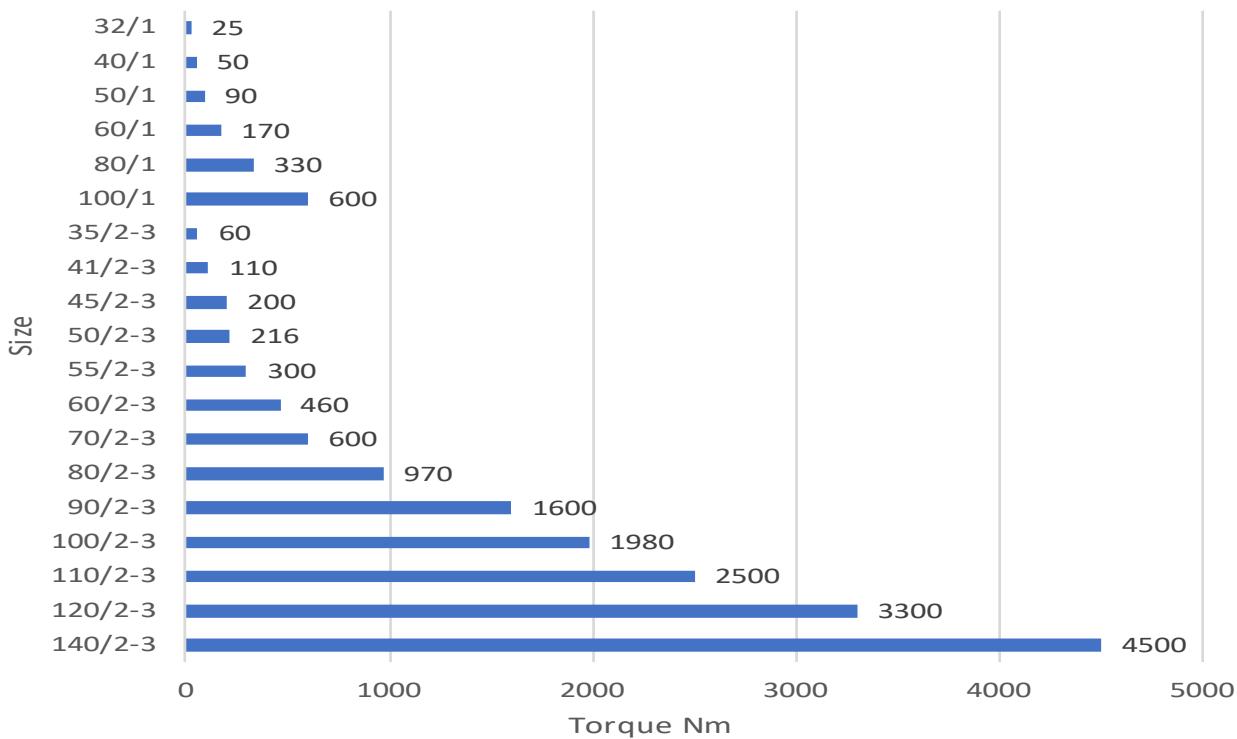
Helical Inline Gearbox

INLINE GEARBOXES A SERIES

The design of this range of gear units is based on one body piece casting giving increased rigidity. This allows the application of high loads without risks of deformation which might negatively affect technical performances. The particular internal shape of the body directs the oil flow in a way to reach all moving parts while reducing noise levels and improving sealing tightness. Another new feature is the modular output flange that allows a great versatility of application



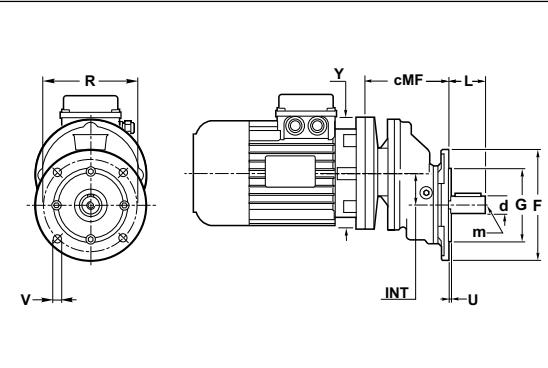
Maximum Output Torque



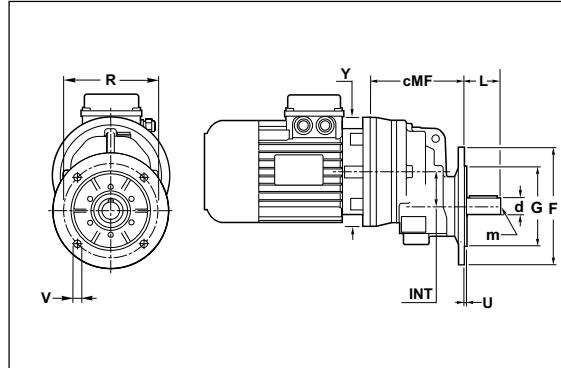
Helical Inline Gearbox

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AMF (32)



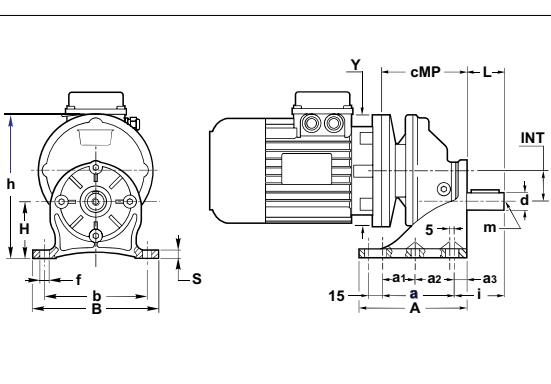
AMF (40-100)



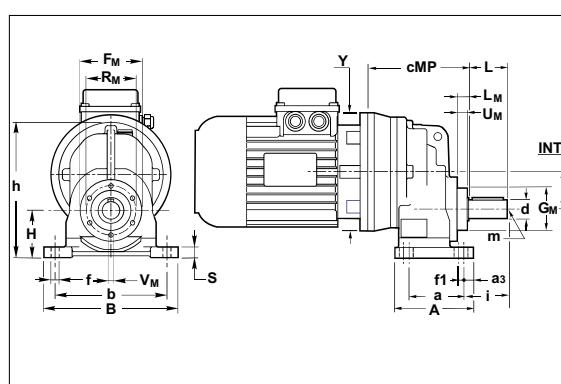
| AM AC AR | cRF | d h6 | d1 j6 | L | L1 | LRF | m | m1 | INT |
|----------------|-------|------------|----------|------------|----|--------------|--------------|----|-----|
| 32 | 92 | 19 (14) | 16 | 30 (40) | 40 | 172 (162) | M6 (M6) | M6 | 33 |
| 40 | 141 | 19 (20) | 16 | 40 (40) | 40 | 221 (221) | M6 (M6) | M6 | 42 |
| 50 | 161 | 24 (25) | 16 | 50 (50) | 40 | 251 (251) | M8 (M8) | M6 | 48 |
| 60 | 193 | 28 (30) | 19 | 60 (60) | 40 | 293 (193) | M10 (M10) | M6 | 61 |
| 80 | 218 | 38 (40) | 24 | 80 | 50 | 248 | M10 (M10) | M8 | 76 |
| 100 | 284.5 | 48 (50) | 28 | 110 | 60 | 454 | M12 (M12) | M8 | 95 |

| | 32 | | | 40 | | | | 50 | | | | 60 | | | 80 | | 100 | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | F1 | F2 | F3 | F1 | F2 | F3 | F4 | F1 | F2 | F3 | F4 | F1 | F2 | F3 | F1 | F2 | F1 | F2 |
| F | 120 | 140 | 160 | 120 | 140 | 160 | 200 | 120 | 140 | 160 | 200 | 160 | 200 | 250 | 250 | 300 | 250 | 300 |
| G (g6) | 80 | 95 | 110 | 80 | 95 | 110 | 130 | 80 | 95 | 110 | 130 | 110 | 130 | 180 | 180 | 230 | 180 | 230 |
| R | 100 | 115 | 130 | 100 | 115 | 130 | 165 | 100 | 115 | 130 | 165 | 130 | 165 | 215 | 215 | 265 | 215 | 265 |
| V | 9 | 9 | 10 | 9 | 9 | 10 | 13 | 9 | 9 | 10 | 13 | 10 | 13 | 15 | 15 | 15 | 15 | 15 |
| U | 3 | 3.5 | 3.5 | 3 | 3.5 | 3.5 | 3.5 | 3 | 3.5 | 3.5 | 3.5 | 3 | 3.5 | 3.5 | 4 | 4 | 4 | 4 |

AMP (32)



AMP (40-100)

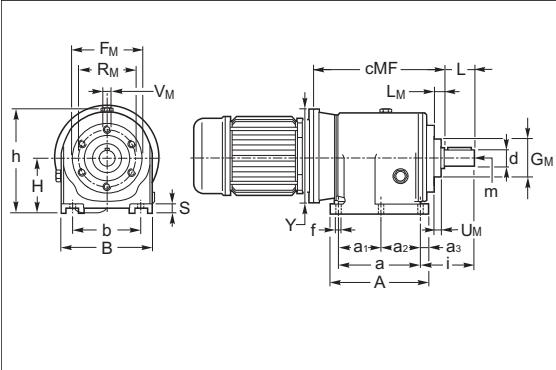


| AM AC AR | a | a1 | a2 | a3 | A | b | B | cRP | d h6 | d1 j6 | F _M | f | f1 | G _M | h | H | i | L | L ₁ | L _M | LRP | m | m ₁ | R _M | S | U _M | V _M | INT |
|----------------|-----|----|----|----|-----|-----|-----|-------|------------|----------|----------------|-----|-----|----------------|-----|-----|----------------|------------|----------------|----------------|--------------|--------------|----------------|----------------|----|----------------|----------------|-----|
| 32 | 77 | 35 | 42 | 13 | 115 | 110 | 135 | 92 | 19 (14) | 16 | — | 9 | 5 | — | 153 | 60 | 53 (43) | 40 (30) | 40 | — | 172 (162) | M6 (M6) | M6 | — | 9 | — | — | 33 |
| 40 | 45 | — | — | 12 | 85 | 105 | 130 | 141 | 19 (20) | 16 | 82 | 8.5 | 2 | 54 | 162 | 50 | 53 (53) | 40 (40) | 40 | 14 | 221 (221) | M6 (M6) | M6 | 66 | 12 | 13 | 6 | 42 |
| 50 | 70 | — | — | 12 | 100 | 150 | 180 | 161 | 24 (25) | 16 | 82 | 11 | 7 | 54 | 181 | 63 | 56 (56) | 50 (50) | 40 | 14 | 251 (251) | M8 (M8) | M6 | 66 | 14 | 13 | 6 | 48 |
| 60 | 70 | — | — | 16 | 120 | 165 | 195 | 193 | 28 (30) | 19 | 110 | 11 | 8.5 | 74 | 221 | 80 | 67.5 (67.5) | 60 (60) | 40 | 17 | 293 (293) | M10 (M10) | M6 | 94 | 15 | 15 | 8 | 61 |
| 80 | 85 | — | — | 21 | 135 | 185 | 230 | 218 | 38 (40) | 24 | 156 | 14 | — | 114 | 276 | 100 | 105 | 80 | 50 | 20 | 348 | M10 (M10) | M8 | 136 | 20 | 18 | 10 | 76 |
| 100 | 130 | — | — | 17 | 173 | 240 | 295 | 284.5 | 48 (50) | 28 | 156 | 18 | — | 114 | 345 | 125 | 129 | 110 | 60 | 20 | 454 | M12 (M12) | M8 | 136 | 22 | 17 | 10 | 95 |

Helical Inline Gearbox

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AMP/F (50-55-60-70-80-90-110-120-140)



| AM AC AR | a | a ₁ | a ₂ | a ₃ | A | b | B | cRP | d h6 | d ₁ j6 | f | h | H | i | L | L ₁ | LRP | m | m ₁ | Q | S |
|----------------|-----|----------------|----------------|----------------|-----|-----|----------------------|-----------------|---------|----------------------|-----|-----|------------------|-----------------|-----|----------------------|-----------------------|-----|----------------|----|---|
| 50 | 130 | — | 12.5 | 155 | 110 | 145 | 227 | 25 (24) (30) | 16 | 9.5 | 170 | 90 | 75 (75) (85) | 50 (50) (60) | 40 | 317 (317) (327) | M8 (M8) (M10) | M6 | — | 15 | |
| 55 | 165 | | 15 | 195 | 135 | 180 | /2 238.5 /3 257.0 | 30 | 16 | 14 | 203 | 115 | 90 | 60 | 40 | /2 338.5 /3 357.0 | M10 | M6 | 11 | 23 | |
| 60 | 165 | | 15 | 195 | 135 | 185 | 269 | 30 (28) (35) | 19 | 14 | 210 | 115 | 90 (90) (100) | 60 (60) (70) | 40 | 369 (369) (379) | M10 (M10) (M10) | M6 | — | 20 | |
| 70 | 195 | | 20 | 235 | 150 | 210 | /2 266.5 /3 288.5 | 35 | 19 | 14 | 233 | 130 | 100 | 70 | 40 | /2 376.5 /3 398.5 | M10 | M6 | 13.5 | 23 | |
| 80 | 205 | | 20 | 245 | 170 | 230 | 309.5 | 40 (38) | 24 | 20 | 265 | 140 | 115 (115) | 80 (80) | 50 | 440 (440) | M10 (M10) | M8 | — | 25 | |
| 90 | 260 | | 25 | 310 | 215 | 280 | /2 332.5 /3 347.5 | 50 (48) | 24 | 20 | 307 | 195 | 140 | 100 | 50 | /2 482.5 /3 497.5 | M12 (M12) | M8 | 39.5 | 35 | |
| 100 | 260 | | 21 | 306 | 215 | 290 | 395 | 50 (48) | 28 | 20 | 322 | 180 | 140 (140) | 100 (100) | 60 | 555 (555) | M12 (M12) | M8 | — | 35 | |
| 110 | 310 | | 25 | 360 | 250 | 320 | 422 | 60 | 28 | 23 | 351 | 225 | 160 | 120 | 60 | 602 | M12 | M8 | 36 | 35 | |
| 120 | 310 | | 27.5 | 365 | 250 | 350 | 460 | 60 | 38 | 23 | 415 | 225 | 160 | 120 | 80 | 660 | M12 | M10 | — | 45 | |
| 140 | 370 | | 35 | 440 | 290 | 400 | /2 458.5 /3 508.0 | 70 | 38 | 27 | 423 | 270 | 185 | 140 | 110 | /2 708.5 /3 758.0 | M16 | M10 | 41.4 | 60 | |

| | AMP/F - ACP/F. | | | | | | | | | |
|--------------------|----------------|-----|-----|--------------|-------|-------------|--------------|------|--------------|--|
| | 50 | 55 | 60 | 70 | 80 | 90 | 110 | 120 | 140 | |
| F _M | 110 | 110 | 110 | Look picture | 156.9 | 155 | Look picture | 230 | Look picture | |
| G _{M(g6)} | 74 | 74 | 74 | | 114 | 110 (G6) | | 170 | | |
| L _M | 16 | 16 | 16 | 20 | 20 | 23 | 31.5 | 26.5 | 45.5 | |
| R _M | 94 | 94 | 94 | Look picture | 136 | 130 | Look picture | 200 | Look picture | |
| V _M | M8 | M8 | M8 | Look picture | M10 | M10 | Look picture | M12 | Look picture | |
| U _M | 7 | 6 | 6 | 7 | 13 | 10 | 10 | 18 | 22 | |

A..70

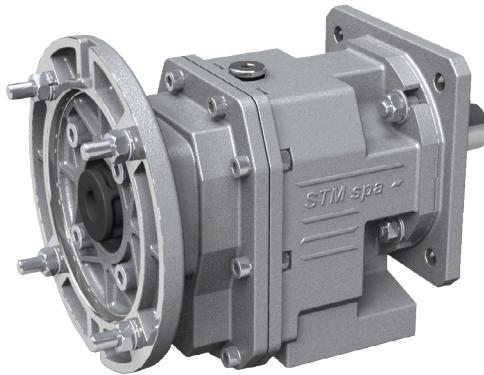
A..110

A..140

| AMP | IEC | 50 | | 55 | | 60 | | 70 | | 80 | | 90 | | 100 | | 110 | | 120 | | 140 | |
|--------|-----|-----|-----|-----|-------|-----|-----|-----|-------|-----|-----|-------|-------|-----|-------|-------|-----|-----|-------|-------|-------|
| | | Y | cMP | Y | cMP | Y | cMP | Y | cMP | Y | cMP | Y | cMP | Y | cMP | Y | cMP | Y | cMP | Y | cMP |
| AMP./2 | B5 | 140 | 198 | 160 | 233.5 | 160 | 235 | 200 | 284.5 | 200 | 291 | 250 | 313 | 250 | 347.4 | 250 | 374 | 250 | 409 | 300 | 465 |
| | | 160 | 198 | 200 | 233.5 | 200 | 250 | 250 | 284.5 | 250 | 303 | 300 | 345 | 300 | 347.4 | 300 | 374 | 300 | 409 | 350 | 474 |
| | | 200 | 218 | 250 | 244 | 250 | 260 | 300 | 284.5 | 300 | 322 | 350 | 364 | 350 | 411.4 | 350 | 438 | 350 | 451.5 | 400 | 479 |
| | | 250 | 228 | — | 300 | 284 | — | 350 | 352 | — | 400 | 416.4 | 400 | 443 | 400 | 456.5 | 450 | 519 | 450 | 465.5 | 550 |
| | B14 | 120 | 218 | 120 | 233.5 | 120 | 250 | 200 | 284.5 | — | | | | 200 | 347.4 | 200 | 374 | 200 | 409 | — | |
| | | 140 | 218 | 140 | 233.5 | 140 | 250 | — | — | — | | | | — | — | — | — | — | — | — | |
| | | 160 | 228 | 160 | 244 | 160 | 260 | 160 | 262 | — | | | | — | — | — | — | — | — | — | |
| | | — | — | 200 | 284 | — | — | — | — | — | | | | — | — | — | — | — | — | — | |
| AMP./3 | B5 | 140 | 198 | 140 | 228 | 160 | 235 | 160 | 254.5 | 200 | 291 | 200 | 338.5 | 200 | 340.4 | 200 | 367 | 200 | 392 | 250 | 457 |
| | | 160 | 198 | 160 | 228 | 200 | 250 | 200 | 269.5 | 250 | 301 | 250 | 331 | 250 | 350.4 | 250 | 377 | 250 | 410 | 300 | 457 |
| | | 200 | 218 | 200 | 238 | 250 | 260 | 250 | 279.5 | — | | | | 300 | 370.4 | 300 | 397 | 300 | 421 | 350 | 499.5 |
| | B14 | — | | | | | | | | — | | | | — | | | | — | | | |
| | | 120 | 218 | 120 | 238 | 120 | 250 | 120 | 269.5 | — | | | | — | | | | — | | | |

Helical Inline Gearbox

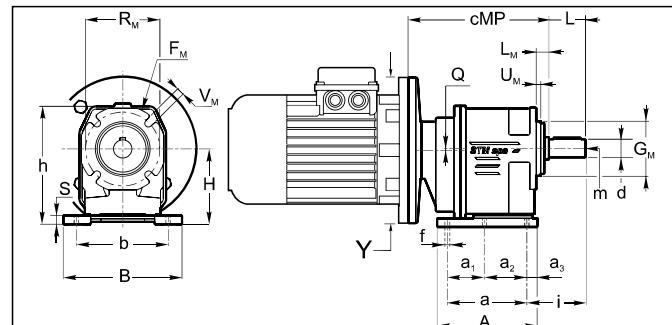
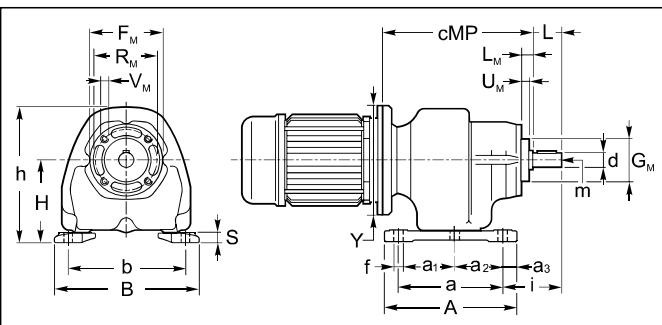
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AMP (25)



AMP (35-45) - AMP1 - AMP2 (41)



| AM AC | a | a ₁ | a ₂ | a ₃ | A | b | B | d j6(A25)-h6 | f | h | H | i | L | m | Q | S | |
|----------|----|----------------|----------------|----------------|---------|-----|------|-----------------|-----------------|-----|-----|-----|--------------------|-----------------|------------------|----------------|----|
| 25 | P | 71 | — | — | 9.5 | 90 | 90±1 | 111 | 11 (14) | 6.5 | 103 | 63 | 47 (50) | 22 (25) | M5 | - | 8 |
| | | 87 ±2 | 37 ±2 | 50 ±2 | 11.5 ±1 | 110 | 110 | 130 | 16 (19) (20) | 8.5 | 132 | 85 | 48 ±1 (58) (58) | 30 (40) (40) | M6 (M6) (M6) | - | 9 |
| 41 | P1 | 87 ±2 | 37 ±2 | 50 ±2 | 11.5 ±1 | 110 | 110 | 130 | 20 (19) (25) | 8.5 | 135 | 85 | 59 ±1 (59) (69) | 40 (40) (50) | M6 (M6) (M8) | /2-2 /3-8 | 9 |
| | P2 | 85 | — | — | 10 | 105 | 110 | 130 | | 9.5 | 130 | 80 | 58 (58) (68) | | 10 | | |
| 45 | P | 107.5 ±2 | 47.5 ±2 | 60 ±2 | 13.5 ±1 | 135 | 130 | 155 | 25 (24) (30) | 11 | 154 | 100 | 69 ±1 (69) (79) | 50 (50) (60) | M8 (M8) (M10) | /2-3 /3-9.5 | 11 |

| | a _p | b _p | f _p | i _p | h _p | H _p | F _M | G _{M(g6)} | L _M | R _M | V _M | U _M |
|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|----------------|
| 25 | 23 | 66 | M6 | 49 | 95 | 55 | 55 | 33 | 9 | 46 | M6 | 6 |
| 35 | 50 | 55 | M8 | 20.5 | 122 | 75 | 95 | 60 | 11 | 80 | 8 | 5 |
| 41 | 50 | 67 | M8 | 20.5 | 122 | 72 | 95 | 60 | 11 | 80 | 8 | 5 |
| 45 | 60 | 75 | M8 | 22.5 | 142 | 88 | 111 | 70 | 12 | 85 | 8 | 5 |

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