



RATIOS

| GYW12 | GYW17 | GYW25 |
|-------------|-------------|-------------|
| 5:1 | 5:1 | 5:1 |
| 7:1 | 7:1 | 7:1 |
| 10:1 | 10:1 | 10:1 |
| 15:1 | 15:1 | 15:1 |
| 20:1 | 20:1 | 20:1 |
| 25:1 | 25:1 | 25:1 |
| 30:1 | 30:1 | 30:1 |
| 40:1 | 40:1 | 40:1 |
| 50:1 | 50:1 | 50:1 |
| 60:1 | 60:1 | 60:1 |

TECHNICAL DATA

| | A | B | C | D | E | F | G | H | J | K |
|-------|-------|-------|-------|------|------|-------|---------|-------|--------------------|-------|
| GYW12 | 1.102 | 1.102 | 1.575 | .512 | .512 | 2.362 | .787 | .197 | .787 | .787 |
| GYW17 | 1.575 | 1.575 | 2.165 | .787 | .787 | 3.147 | 1.102 | .3149 | 1.181 | 1.181 |
| GYW25 | 1.969 | 1.969 | 2.952 | .906 | .906 | 3.780 | 1.378 | .4724 | 1.496 | 1.496 |
| | L | M | N | O | P | Q | R | S | T | U |
| GYW12 | .157 | .551 | .512 | .060 | .157 | 4X M3 | - | 3X M3 | - | 1.102 |
| GYW17 | .197 | .748 | .650 | .060 | .197 | 4X M3 | M3 BOTH | 3X M4 | .118X.118 X.472 | 1.496 |
| GYW25 | .236 | .984 | .787 | .079 | .236 | 4X 5M | 5M BOTH | 3X 5M | .157X.157 X.551 | 2.047 |

Actual ratios are rounded to the nearest integer

| PARAMETER | | GYW12 | GYW17 | GYW25 |
|--|----------------------------|------------|------------|------------|
| Rated Torque in Nm (S1) | Type Standard | 1 | 2 | 5 |
| Rated Torque in Nm (S1) | Type R Reduced | 1.5 | 3 | 8 |
| Emergency Stop torque in Nm | | 2 | 4 | 10 |
| Rated Torque in Nm (S5) | Type S Low Backlash | 1 | 2 | 5 |
| Rated Torque in Nm (S5) | Type V Heavy Duty | 1.5 | 3 | 8 |
| Emergency Stop torque in Nm | | 2 | 4 | 10 |
| Center distance | mm | 12 | 17 | 25 |
| Average mass inertia at drive | kgcm ² | 0.012 | 0.030 | 0.060 |
| No-Load backlash Type Standard | arcmin ≤ | 30 | 30 | 30 |
| No-load backlash Type R Reduced | arcmin ≤ | 15 | 15 | 15 |
| Self-locking whenever step-down ratio | ≥ | 25 | 25 | 25 |
| Max. radial load, poor fastening | N | 50 | 100 | 150 |
| Max. axial load | N | 40 | 120 | 200 |
| Torsional stiffness | Nm/arcmin | 0.26 | 0.42 | 1.3 |
| Rated speed at drive | min ⁻¹ ≤ | 4,000 | 4,000 | 4,000 |
| Max. rated speed at drive | min ⁻¹ ≤ | 8,000 | 8,000 | 8,000 |
| Temperature range | °C | -30 to +90 | -30 to +90 | -30 to +90 |
| Protection class | IP | 54 | 54 | 54 |
| Service life | h | ~10,000 | ~10,000 | ~10,000 |
| Gear unit weight | kg | 0.140 | 0.300 | 0.620 |