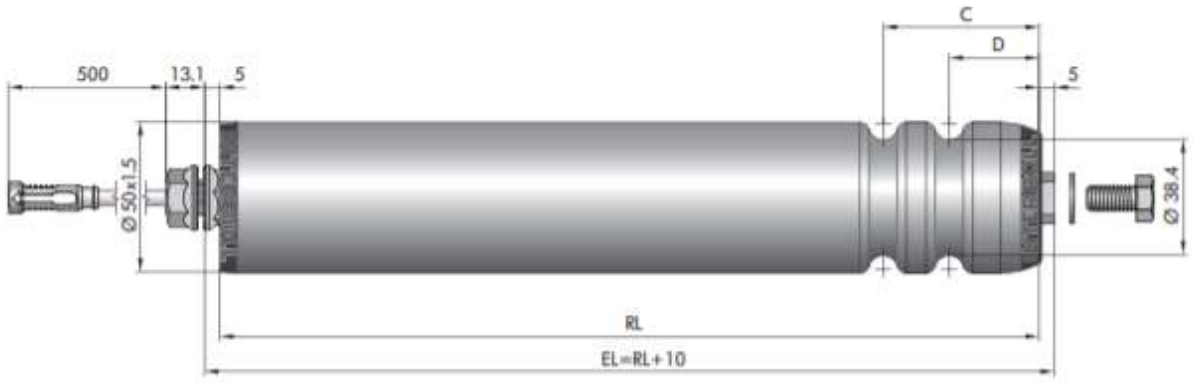
# Interroll Series EC5000 ROLLERDRIVE

Article code: RD-51DF-20C0000-R02-000
50x1.5 mm dia zinc plated, double grooved (40/70 mm from RL), male thread M12 cable end, female thread M8 idler end

RATIO : 42:1
SPEED: 0.4 M/S




50 dia, 2 GR (40/70), RL=EL-10

## Dimensions/Codes

| RS REF | ITRL REF | Roller Length (mm) | Inside Frame (EL) Width (mm) |
|---|---|---|---|
| 215-4794 | RD-51DF-20C0000-R02-RL304 | 304 | 314 |
| 215-4795 | RD-51DF-20C0000-R02-RL454 | 454 | 464 |
| 215-4796 | RD-51DF-20C0000-R02-RL604 | 604 | 614 |

## Technical Data

| | |
|---|---|
| Rated voltage | 24 V |
| Power | 35 W |

| | |
|---|---|
| Rated current | 2.4 A |
| Starting current | 5.5 A |
| Max. noise emission (mounted) | 55 dB(A), application-dependent |
| Length of motor cable<br>Ambient temperature in operation | 500 mm<br>0 to +40 °C |
| Motor shaft | Stainless steel, 11 mm HEX, thread M12 x 1 |
| Anti-static version | Yes (< $10^6$ Ω) |
| Tube wall thickness | ø 50 mm: 1.5 mm |
| Tube material | Zinc-plated steel, |
| Maximum load capacity | Length of RollerDrive ≤ 1000<br>Maximum load capacity per RollerDrive without drive head 1100 N |
| Design version | Before the run-in, the values may differ up to ±20 %. After a run-in phase, the values vary only in the range of ±10 % for 95 % of all RollerDrive used.<br>Gear ratio 42:1<br>Maximum conveying speed m/s 0.43<br>Minimum conveying speed m/s 0.02<br>Rated torque Nm 2.07<br>Acceleration torque Nm 5.18<br>Continuous blocking torque Nm 5.18 |

To be used with DriveControl 20

## Links

More information on the EC500 rollerdrive can be found by visiting the Interroll web site
https://www.interroll.fr/en/products-and-services/drives-and-controls/rollerdrive/