



# STIRLING DYNAMICS

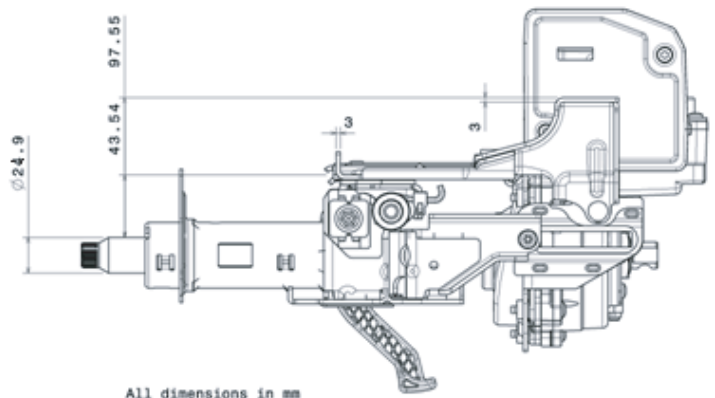
## ACTIVE STEERING WHEEL SYSTEM PART NUMBER : 027A000



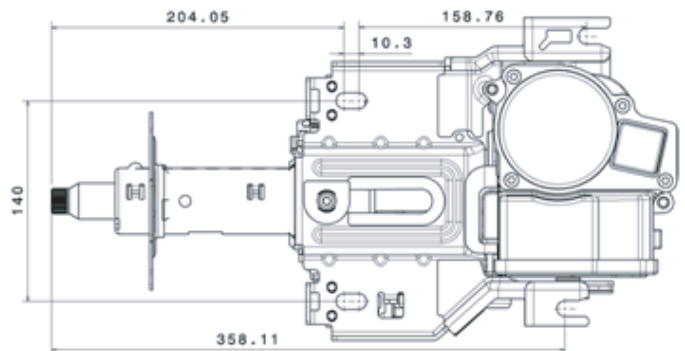
- FORCE-FEEDBACK STEERING WHEEL
- FULLY PROGRAMMABLE AND RE-CONFIGURABLE
- RUGGEDISED DESIGN
- MOTOR CONTROLLED SIMULATION OF HARD STOPSE
- BASE TECHNOLOGY PROVEN IN MASS PRODUCED AUTOMOTIVE SYSTEMS
- BUILT IN AUTOMATIC SAFETY CHECKS
- DYNAMIC CONTROL OVER COMMANDED TORQUE FROM HOST SYSTEM - ALLOWS REAL TIME VARIATION OF STIFFNESS, DAMPING AND INERTIA
- FULLY INTEGRATED ONE BOX SOLUTION

### KEY TECHNICAL SPECIFICATIONS

- SIGNAL INTERFACE CANBUS, @500 KBIT/S
- SENSOR DATA AVAILABLE ON CANBUS: TORQUE, POSITION, VELOCITY
- TORQUE COMMAND INTERFACE OVER CANBUS
- TORQUE 28 ft-lbs (38NM) @ 300 ° /S
- TORQUE 14.7 ft-lbs (20NM) @ 600 ° /S
- TRAVEL RANGE +/-900 ° ROTATION
- WEIGHT 11LBS (5KG)
- POWER SUPPLY 12VDC
- QUIESCENT CURRENT DRAW < 5mA
- BATTERY CURRENT DRAW 50A (MAX)



All dimensions in mm



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