**metalrota s.r.l.**
MODENA - ITALY

## Differetials Request Form

| | |
|---|---|
| Company Name | |
| Address | |
| Telephone N. | Fax N° |
| E-mail | |
| Contact Reference | |

Vehicle type _____ Quantity per batch _____

Differential      Front ☐      Rear ☐

4 wheel traction ☐

Wheels number and type (poliurethane, rubber, pneumatic, tractor, steel,…) _____

Floor surface (asphalt, concrete, grass, off road dry/wet, sand, ...) _____

Vehicle weight with operator and batteries (kg) _____ Load (kg) _____

Towing capacity (if any additional trolley behind) (kg) _____

Weight over the differential (kg)   without load _____ with load _____

Max speed on flat (km/h)   without load _____ with load _____

Max climbing slope (%)   without load _____ with load _____

Max speed on slope (km/h)   without load _____ with load _____

Acceleration (m/sec2) _____

Wheel external diameter (mm) _____ Wheel width (mm) _____

Wheel hub (Balilla, Fiat, BMW, Vespa 4,…) _____

With Studs ☐      With Holes ☐

Special hub (specify centring, studs type and diameter) (mm) _____

Track length (distance between wheel flanges, mm) _____

Distance between brackets and wheel flanges (mm) _____

Tilt angle (motor axle - wheels axle) compared to bracket mounting surface (°) _____

Wheel brakes      Yes ☐      No ☐

Brakes type      Drum ☐      Disc ☐

     Mechanic brake ☐      Hydraulic brake ☐

Duty      Short Service ☐      tl= _____

tl= service time (min)      Shifts ☐      Service % = 

tr= resting time (min)      Cyclic Service ☐   tl= _____ tr= _____

Motor on differential input      Electric ☐      Hydraulic ☐

Hydraulic Motor: displacement (cm3/rev.) _____ Max pressure(bar) _____

Rate of flow (l/min) _____ Combustion engine power _____

Electric motor power (W) _____

Voltage (12, 24, 48, 72, 80V) _____ Other _____

DC Motor wounds      Series wound ☐      Separately Excited ☐

     Shunt wound ☐      PM ☐

AC Motor      Speed sensor ☐      Thermal sensor ☐

Brushless PMS Motor (synchronous)      Speed sensor ☐      Thermal sensor ☐

Environment and required IP _____

e/m brake      Yes ☐      No ☐

Incremental Encoder   Pulses (ppr) _____ Voltage (TTL, HTL) _____

Connector type (8 pin M12, 12 pin EML, cable) _____

Absolute Encoder (specify) _____

Thermal protection      Yes ☐      No ☐

Tacho generator      Yes ☐      No ☐

NOTES: _____