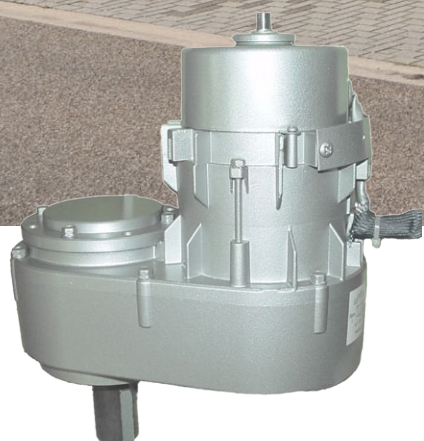




Designed
and made in
FRANCE



Sliding gates catalog

Gear motors for sliding gates by SIREM

For a secured access to residences, companies and administrations, SIREM motorizes the public gates whether they are sliding, swinging.

We also offer solutions for automatic fencing.

Our range of gear motors allows us to provide solutions for gates up to 2 tons.

We provide the opportunity to fit our gear motors with asynchronous or direct-current motors. For those last ones, SIREM also has the expertise to develop your electronic management card.

Choose your gear motor

Motor power \ Weigh of the gate	Weight of the gate		
	0 to 500 kg	500 to 800 kg	800 to 2000 kg
75 watts	N400	N500	P2000
130 watts	N500		
160 watts	N800		
560 watts	P2000		



FOR SLIDING GATES UNTIL 800 KG
REVERSIBLE GEAR MOTOR
AUTOMATIC UNLOCKING BRAKE
OUTPUT SHAFT ACCORDING TO SPECIFICATIONS

TECHNICAL FEATURES :

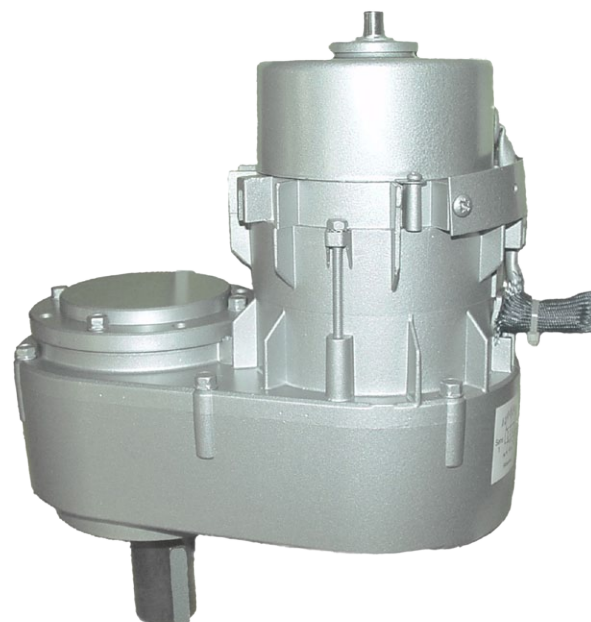
- Asynchronous motor
- Without maintenance
- Thermal cut-out
- 2 directions of rotation
- Single phase with capacitor
- Inrush of current brake : 24V or 230V with diode rectifier
- Class F insulation
- IP44 protection
- Working temperature : -20°C to 85°C
- Relative hygrometry until 95%

OPTIONS AVAILABLE ON DEMAND :

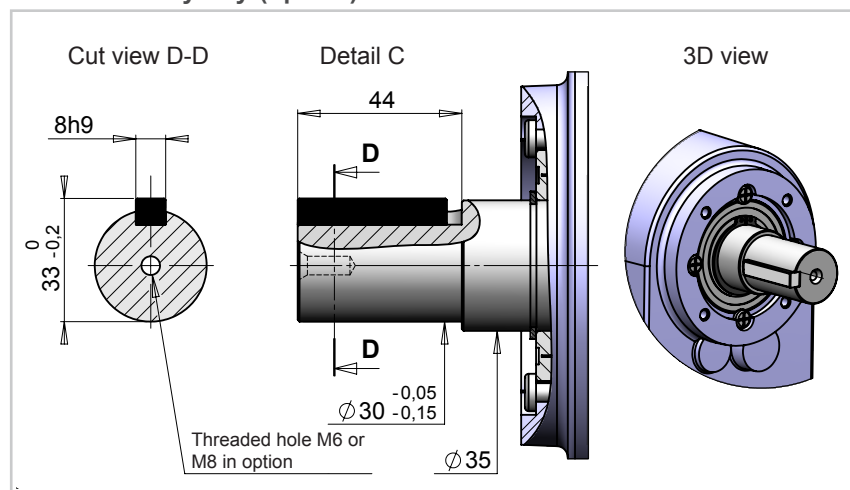
- Three phase or direct current
- Output shaft according to specifications
- Specific speed
- Lack of current brake
- Rev-counter card
- Terminal box (N800 only)
- Fastening point according to specifications
- Fastening spacers

COMPLY WITH STANDARDS :

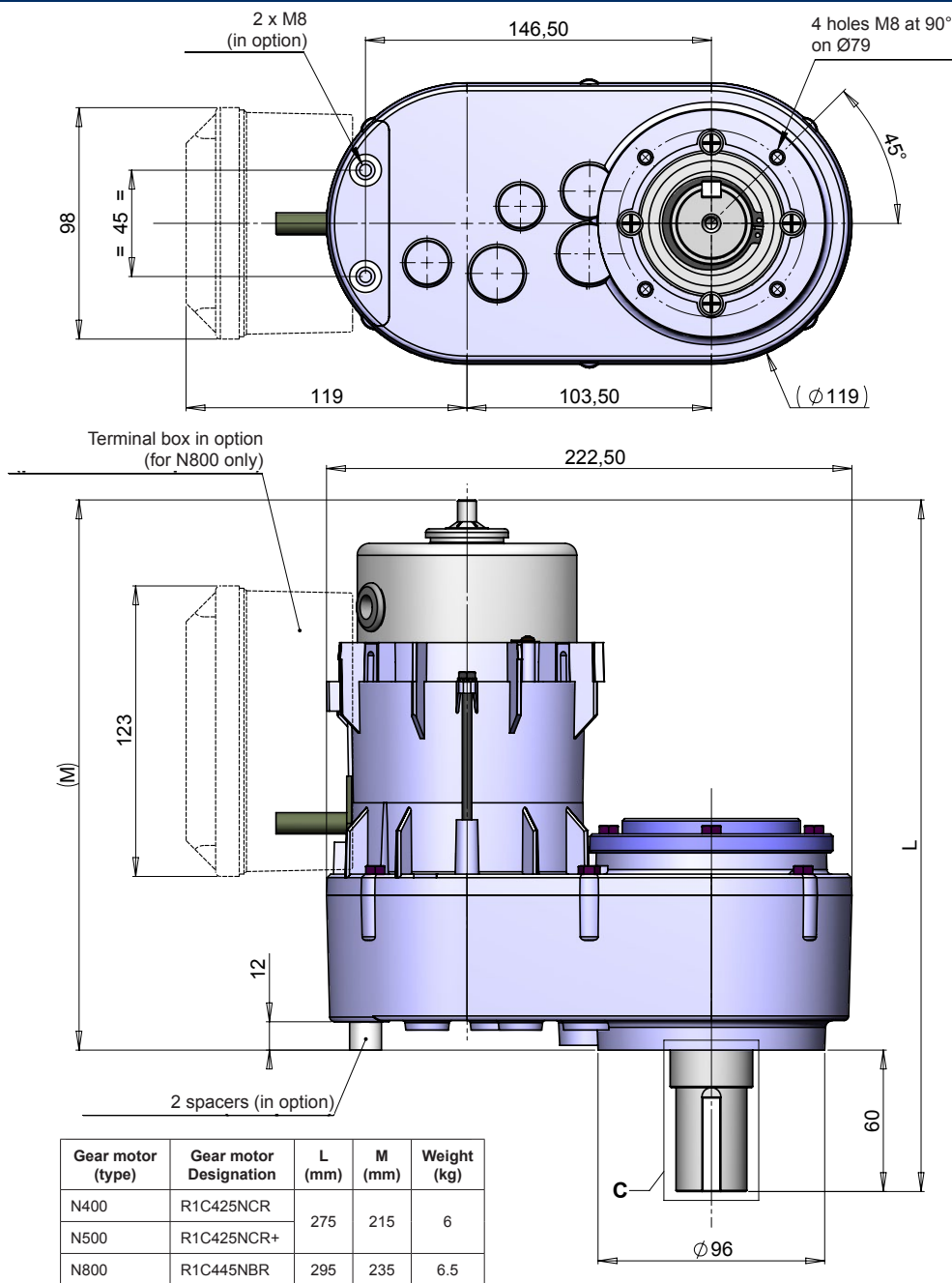
- EN 60335-1
- EN 60034-1



Shaft with keyway (option)



DIMENSIONS



TECHNICAL FEATURES

Type & Designation of Gear motor	Voltage / Frequency	Input power (watt)	Torque motor ⁽¹⁾	Nominal speed (RPM)	Capacitor (μF)	Startup torque (Nm)	Intensity under 230V (A)	Service class	Gear ratio	Gearbox speed (RPM)	Nominal torque (Nm)
N400 / R1C425NCR	230V/50Hz	75	oui	1350	5	0,23	0,38	S1	1/59	23	10,6 ⁽³⁾
N500 - R1C425NCR+	230V/50Hz	130	oui	1350	6	0,27	0,61	S1	1/42	32	9,1 ⁽³⁾
N800 - R1C445NBR	230V/50Hz	160	non	1300	6	0,55	0,7	S3 : 30% cycle of 6 min ⁽²⁾	1/42	32	9,9

(1) : A torque motor can support a mechanical blocking without excessive warming

(2) : Added an optional fan allow a S1 service class

(3) : Equal to start up torque (=maximal torque)



FOR SLIDING GATES UNTIL 2000 KG
REVERSIBLE GEAR MOTOR
AUTOMATIC UNLOCKING BRAKE
OUTPUT SHAFT ACCORDING TO SPECIFICATIONS

TECHNICAL FEATURES :

- Asynchronous motor
- Without maintenance
- Thermal cut-out
- 2 directions of rotation
- Single phase with capacitor
- Inrush of current brake : 24V or 230V with diode rectifier
- Class F insulation
- IP44 protection
- Working temperature : -20°C to 85°C
- Relative hygrometry until 95%

OPTIONS AVAILABLE ON DEMAND :

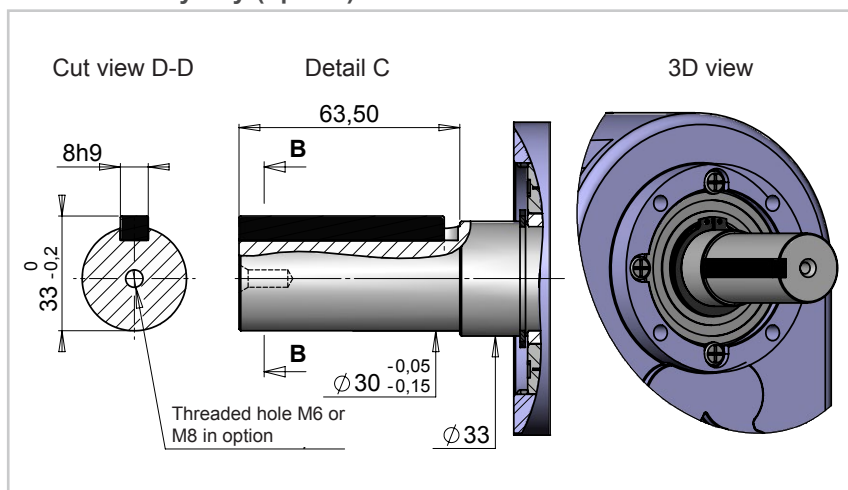
- Three phase or direct current
- Output shaft according to specifications
- Specific speed
- Lack of current brake
- Rev-counter card
- Terminal box
- Fastening point accord to specifications
- Fastening spacers

COMPLY WITH STANDARDS :

- EN 60335-1
- EN 60034-1

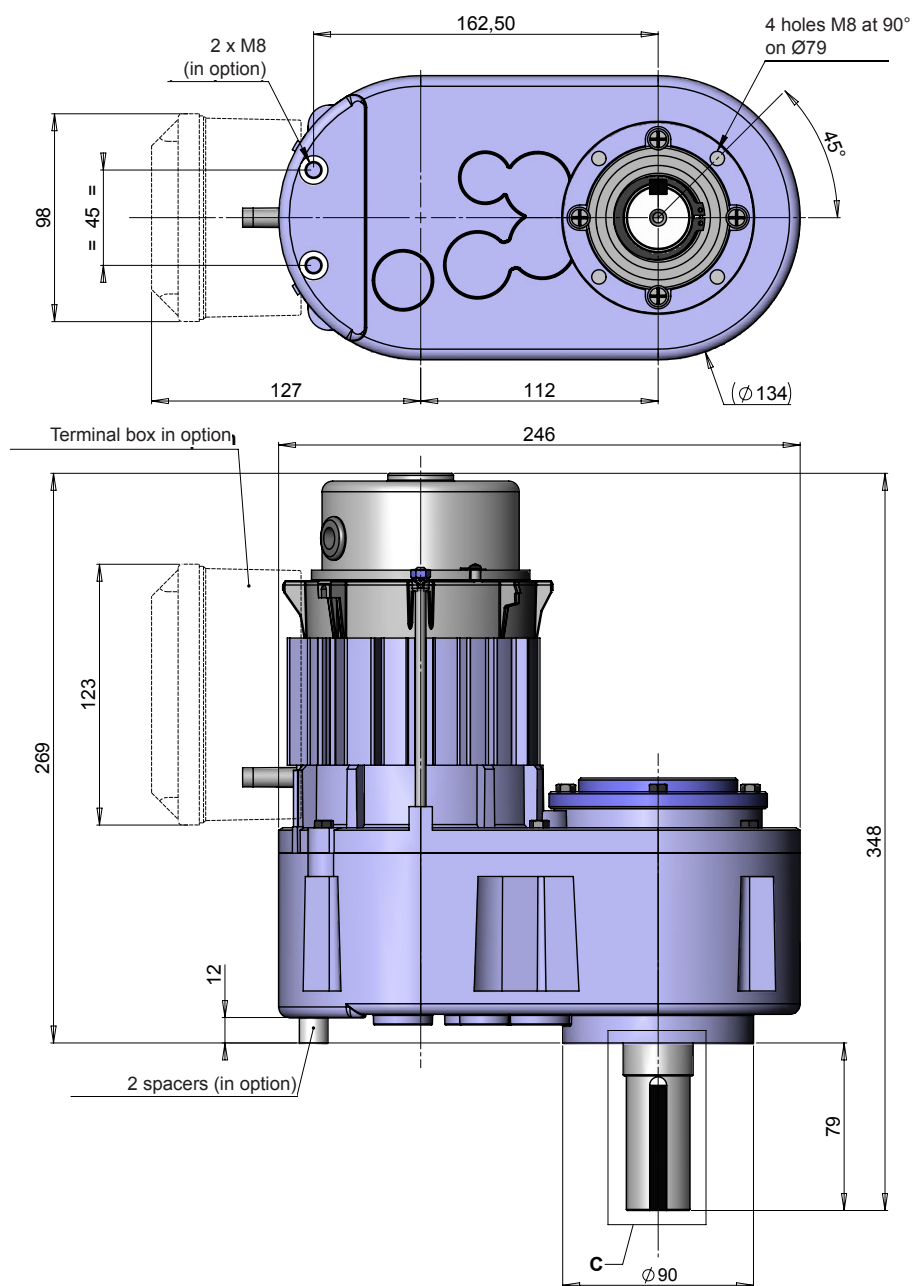


Shaft with keyway (option)





DIMENSIONS



TECHNICAL FEATURES

Type & Designation of Gear motor	Voltage / Frequency	Input power (watt)	Torque motor ⁽¹⁾	Nominal speed (RPM)	Capacitor (μF)	Startup torque (Nm)	Intensity under 230V (A)	Service class	Gearbox ratio	Gearbox speed (RPM)	Max torque (Nm) ⁽²⁾	Nominal Torque (Nm)
P2000 / R1C250P	230V/50Hz	560	non	2800	16	0,53	2,5	S3 : 30% cycle of 6 min	1/86	32	58	36 ⁽³⁾

(1) : a torque motor can support a mechanical blocking without excessive warming

(2) : occasionally acceptable torque

(3) : do not exceed this torque in continuous working (high-powered motor)



FOR SLIDING GATES UNTIL 800KG
REVERSIBLE GEAR MOTOR
AUTOMATIC UNLOCKING BRAKE
OUTPUT SHAFT ACCORDING TO SPECIFICATIONS

TECHNICAL FEATURES :

- 24V direct current motor
- No maintenance
- Thermal cut-out
- 2 direction of rotation
- Inrush of current brake : 24V or 230V with diode rectifier
- Class F insulation
- IP44 protection class
- Working temperature : -20°C to 85°C
- Can be fitted on the gate

OPTIONS AVAILABLE ON DEMAND :

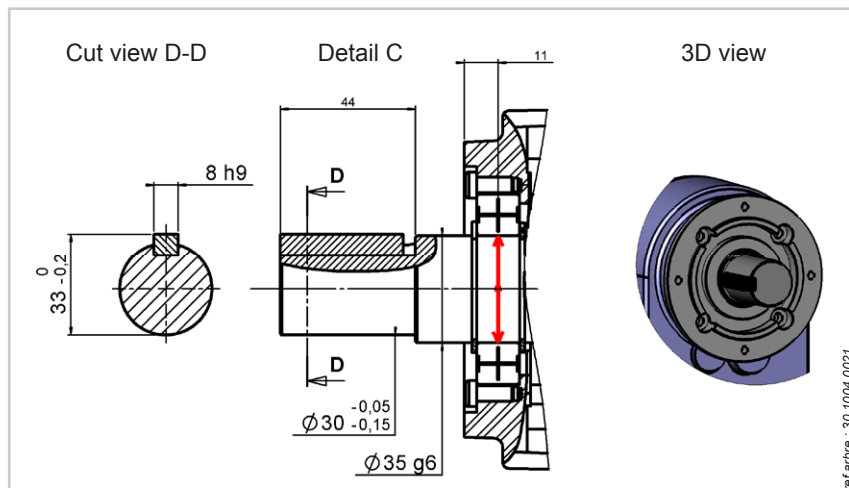
- Output shaft according to specifications
- Specific speed
- Rev-counter card
- Specific card according to your specification :
 - Learning of cycles
 - Obstacles detection
 - Others on request

COMPLY WITH STANDARDS :

- EN 60335-1
- EN 60034-1

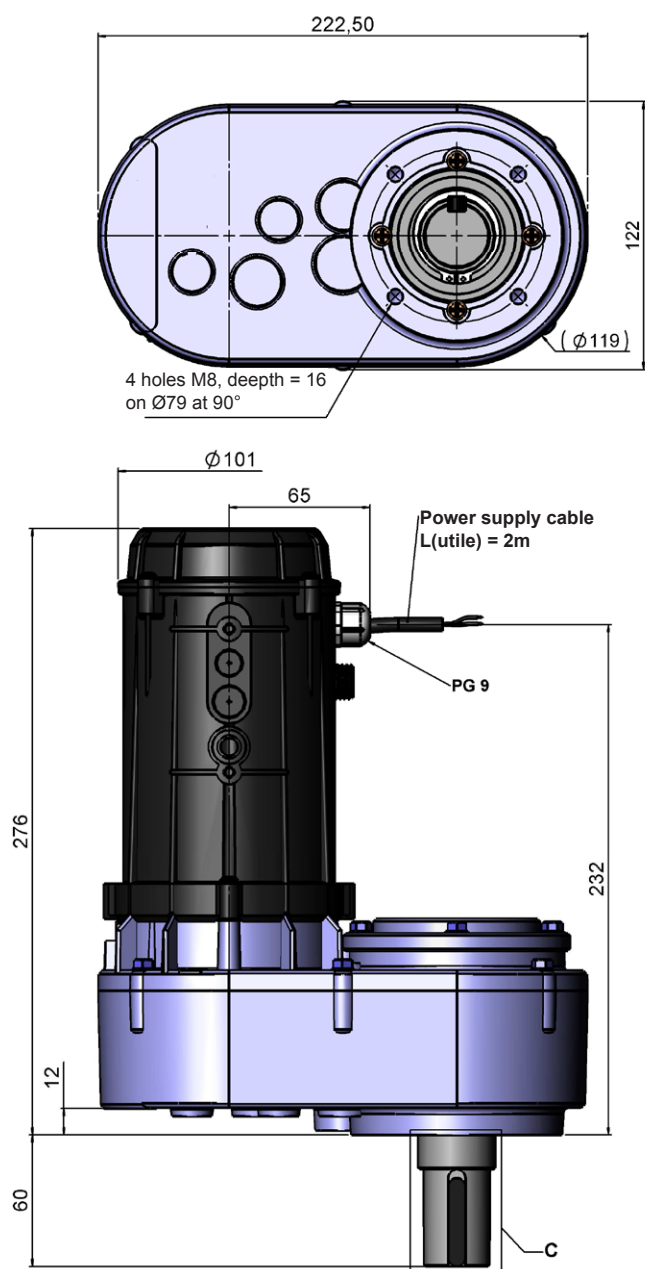


Standard shaft



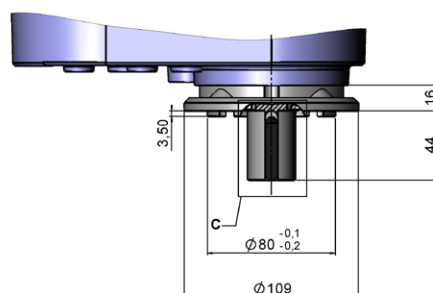
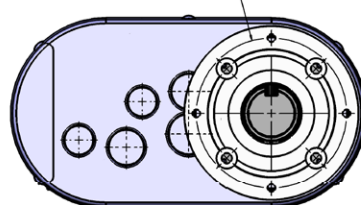
DIMENSIONS

NO MOUNTING



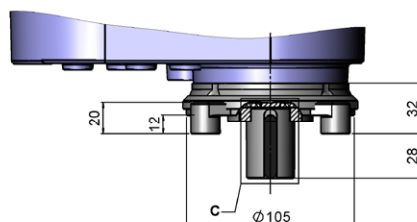
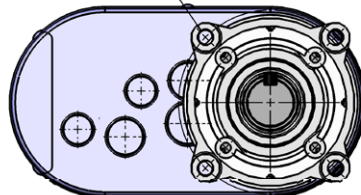
4 holes M6 at 90°
on Ø94

N2 MOUNTING



4 holes Ø9 at 90°
on Ø115

N5 MOUNTING



TECHNICAL FEATURES

Gear motor type	Voltage / Frequency	Nominal speed (RPM)	Nominal intensity (A)	Intensity of thermal fuse short-circuit (A)	Service class	Gear box ratio	Gearbox speed (RPM)	Nominal torque (Nm)	Maximum torque ¹ (Nm)	Maximum radial load ² (N)	Maximum axial load (N)	Weight (kg)
N-CC	24V/50Hz	1550	2,1	7	S1	1/42	37	7	13	1100	580	6,4

(1) : occasionally acceptable torque

(2) : on the bearing, see detail C



COMPULSORY PARAMETERS :

Requirement :

- Replacement ☐
- Creation ☐

Application :

Describe your application : _____

Power supply :

- Voltage :
 230 V ☐ 230/400 V ☐ 24 VCC ☐
- Frequency : 50 Hz ☐ 60 Hz ☐
- Type : Single phase ☐ Three phase ☐

Features :

- Nominal rotation speed : _____ RPM
- Nominal torque CN : _____ Nm
- Rotation direction :
 clockwise ☐
 anticlockwise ☐
 2 directions ☐
- Shaft output :
 parallele(//) ☐ perpendicular(⊥) ☐
- Shaft :
 solid ☐ hollow ☐
- Radial load : _____ N
- Axial load : _____ N
- Type of mounting :
 lug ☐ flange ☐
- Connexion :
 terminal box ☐
 cable output ☐
- Services class :
 S1 ☐
 S3 (cycle duration: ____%) ☐
- Fan : yes ☐ no ☐

Constraints :

- Temperatures : Mini (°C) : _____ Maxi (°C) : _____
- Protection : IP _____
- Lifespan : _____ hours

- Number of cycles :

_____ / years ☐ /days ☐ /hours ☐

- Dimensions :

☐ diameter : _____ mm height : _____ mm

☐ width : _____ mm height : _____ mm

depth : _____ mm

- Shaft material and shape : _____

Options :

- Brake :
 Inrush of current ☐
 Lack of current ☐
 24 Volts ☐
 230 Volts ☐

ADDITIONAL PARAMETERS :

- Rotation speed without load : _____ RPM
- Overload torque Cmax : _____ Nm
- Minimum starting torque Cd : _____ Nm
- Torque ratio : Cd/Cn : _____
- Insulation class : B ☐ F ☐

Quantity per year: _____ pieces

Deadline : _____

Additional informations : _____



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