

# Motor-gearbox 12 and 24 V **DC**

## BUH77

## Torque from 0.1 to 2 Nm

- Gearbox type : spur gear
- Bearing : bronze
- Max axial load : 10N
- Max radial load : 30N at 5mm from flange
- Angular backlash : 0.05 to 0.6mm
- Working temp : from -10° to 70°C
- Weight : 250g



### Application

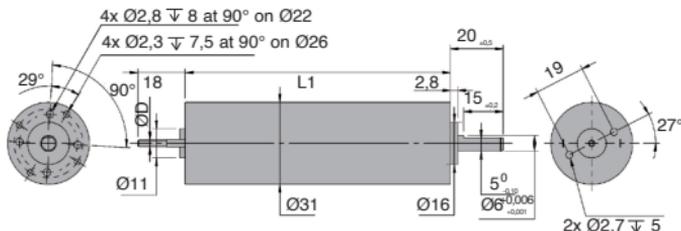
- Drives, ideal for Start/Stop applications or reverse applications

### Advantages

- Compact size
- High torque

### Accessories

- Servoamplifier:  
**NANODC-1A-30/3**  
(tome 2 p.282)
- Power supply  
**ALIDR30-12,**  
**ALIDR30-24**  
(tome 2 p.280)



### DISCOUNTS

Qty	1+	6+	10+
Disc	Price	-7%	on request

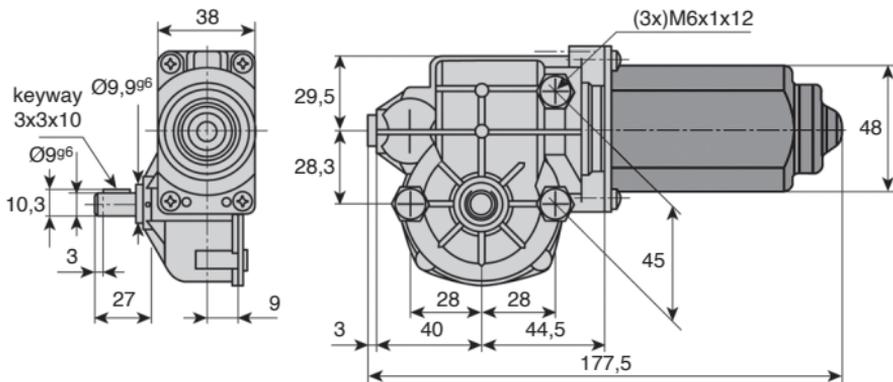
Part number	Reduction	N° of stages	ØD	L1 (mm)	No-load speed (rpm)	Speed under load (rpm)	Nominal torque (Nm)	Nominal current (A)	Price each 1 to 5
<b>12V DC Version</b>									
BUH77-12-004	3,4	1	3	100,5	1215	900	0,10	1,4	283,61 €
BUH77-12-012	11,6	2	3	106,6	355	260	0,30	1,4	283,61 €
BUH77-12-022	21,4	2	3	106,6	190	140	0,55	1,4	283,61 €
BUH77-12-040	39,7	2	3	106,6	105	75	1,00	1,4	308,44 €
BUH77-12-135	135	3	2,5	88,5	33	23	1,80	0,85	308,44 €
BUH77-12-250	250	3	2,5	88,5	18	14	2,00	0,85	308,44 €
<b>24V DC Version</b>									
BUH77-24-004	3,4	1	3	100,5	1215	900	0,10	0,7	283,61 €
BUH77-24-012	11,6	2	3	106,6	355	260	0,30	0,7	283,61 €
BUH77-24-022	21,4	2	3	106,6	190	140	0,55	0,7	289,76 €
BUH77-24-040	39,7	2	3	106,6	105	75	1,00	0,7	312,05 €
BUH77-24-135	135	3	2,5	88,5	33	23	1,80	0,425	312,05 €
BUH77-24-250	250	3	2,5	88,5	18	14	2,00	0,275	312,05 €

Dimensions in mm

- Gearbox type: worm
- Bearings: self-lubricating bushes
- Working temp.: -40°C to +80°C
- Weight: 1kg
- Ingress protection: IP40
- Angular backlash: N/A
- Max axial load: N/A
- Radial load: N/A

### Accessories

- Servo Amplifiers **FIRSTDC-1Q-60/10** and **NANODC-1Q-30/3** (tome 2 p.274-275)
- Power Supplies **ALIDR30-12**, **ALIDR30-24**, **ALIDR-120-24** (tome 2 p.280-281)



### DISCOUNTS

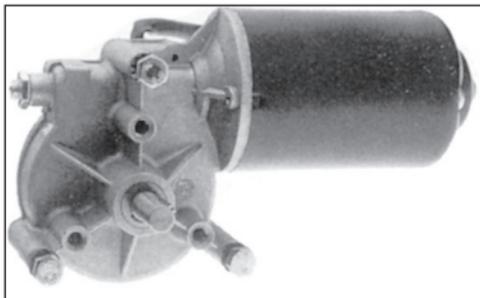
Qty	1+	6+	10+
Disc.	List	-7%	On request

Part number	Ratio	Efficiency	Speed under load (rpm)	Nominal torque (Nm)	Nominal current (A)	Compatible with card		Price each 1 to 5
12V DC Version								
DOG316-12-46	62:1	0,5	38	2,0	3,4	No	Yes	188,29 €
DOG316-12-30	62:1	0,5	32	1,5	3,0	No	Yes	188,29 €
24V DC Version								
DOG316-24-75	62:1	0,5	65	1,5	3,0	No	Yes	188,29 €
DOG316-24-46	62:1	0,5	38	2,0	1,7	Yes	Yes	188,29 €

Dimensions in mm

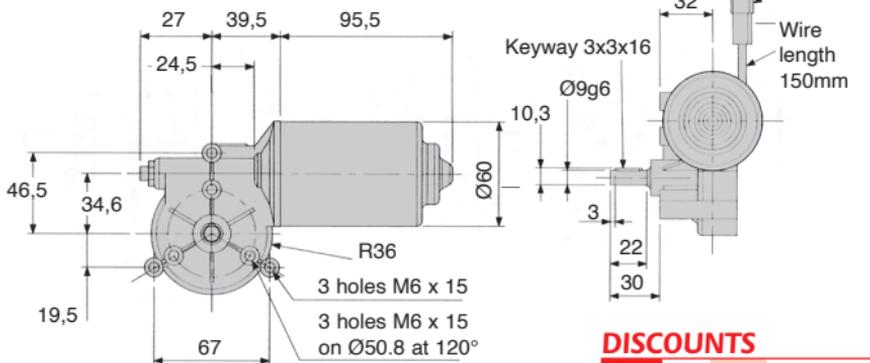
## DOG111 Torque from 1.5Nm to 6Nm

- Gearbox type: worm and wheel
- Bearing: self-lubricating bushes
- Angular backlash: N/A
- Max. axial load: N/A
- Max. radial load: N/A
- Working temp. from -40°C to +80°C
- Min. weight: 1.25kg
- Motor does not exhibit anti back drive behaviour for efficiencies greater than 50%



### Accessories

- Servo Amplifier **FIRSTDC-1Q-60/10**
- Speed controller **NANODC-1Q-30/3** (tome 2 p.274-275)
- Power Supplies **ALIDR30-24**, (tome 2 p.280-281)



### DISCOUNTS

Qty	1+	6+	10+
Disc.	List	-7%	On request

Part number	Ratio	Efficiency (%)	Unloaded speed (rpm)	Speed under load (rpm)	Nominal torque (Nm)	Nominal current (A)	Compatible card	Price each
<b>12 V DC Version</b>								
DOG111-12-135	12,2:1	60	135	105	1,5	4,0	No Yes	362,79 €
DOG111-12-50	62,0:1	45	50	40	5,0	5,0	No Yes	211,57 €
DOG111-12-34	62,0:1	45	34	25	6,0	4,0	No Yes	211,57 €
DOG111-12-17	62,0:1	45	17	10	6,0	2,0	Yes Yes	215,92 €
<b>24 V DC Version</b>								
DOG111-24-270	12,2:1	60	270	240	1,5	4,0	No Yes	362,79 €
DOG111-24-78	62,0:1	45	78	70	3,0	3,0	Yes Yes	233,16 €
DOG111-24-50	62,0:1	45	50	40	5,0	2,5	Yes Yes	224,54 €
DOG111-24-34	62,0:1	45	34	25	6,0	2,0	Yes Yes	215,92 €

Dimensions in mm



# Motor-gearbox 12V and 24V DC

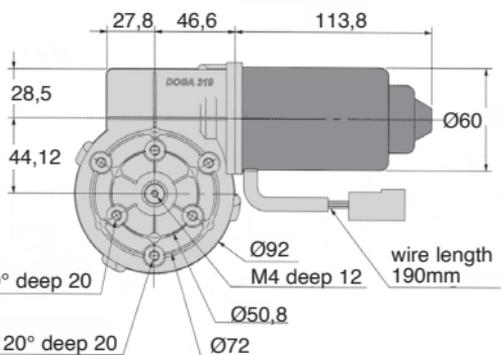
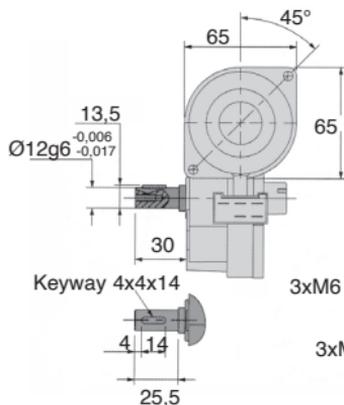
## Torque from 4Nm to 9Nm

## DOG319

- Gearbox type: worm
- Bearings: self-lubricating bushes
- Angular backlash: N/A
- Max. axial load: N/A
- Max. radial load: N/A
- Working temperature: -40°C to +80°C
- Weight 1.7kg
- Materials:  
Worm: steel, Wheel: POM

### Accessories

- Servo Amplifier **FIRSTDC-1Q-60/10**
- Speed controller **NANODC-1Q-30/3**  
(tome 2 p.274-275)
- Power Supplies **ALIDR240-24**  
(tome 2 p.280-281 and 273)



### DISCOUNTS

Qty	1+	6+	10+
Disc.	List	-7%	On request

Part number	Ratio	Unloaded speed (rpm)	Speed under load (rpm)	Nominal torque (Nm)	Nominal current (A)	Compatible card		Price each 1 to 5
						Nano	First	
<b>12 V DC Version</b>								
DOG319-12-15	81:1	18	15	9	3	No	Yes	361,59 €
DOG319-12-30	81:1	35	30	9	7	No	Yes	349,65 €
DOG319-12-45	81:1	50	45	8	6	No	Yes	348,67 €
DOG319-12-85	39:1	95	85	4	7	No	Yes	426,97 €
<b>24 V DC Version</b>								
DOG319-24-30	81:1	30	30	9	3	No	Yes	328,27 €
DOG319-24-45	81:1	45	45	9	3	No	Yes	330,86 €
DOG319-24-85	39:1	95	85	4	3,5	No	Yes	441,19 €

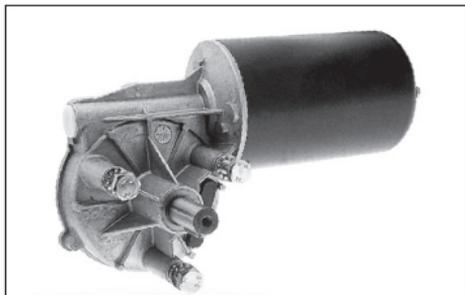
Dimensions in mm

# Motor-gearbox 12V and 24V **DC**

## DOG258

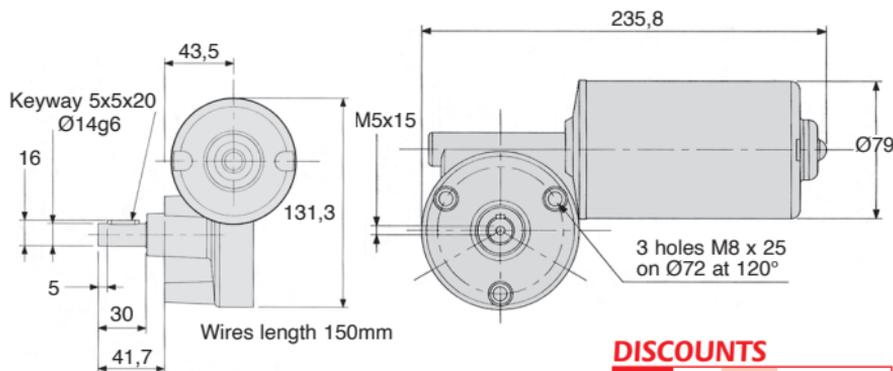
## Torque from 12Nm to 15Nm

- Gearbox type: worm
- Bearings: self-lubricating bushes
- Angular backlash: N/A
- Max. axial load: N/A
- Max. radial load: N/A
- Working temp.: -40°C to +80°C
- Weight: 3kg
- Ingress protection: IP53
- Self locking
- Material:
  - steel worm
  - wheel POM



### Accessories

- Speed controller not available
- Servo amplifier **FIRSTDC-1Q-60/10**
- Power Supplies **ALIDRP240-24**  
(tome 2 p.283 and 281)
- **Important: an encoder cannot be mounted behind the motor.**



### DISCOUNTS

Qty	1+	6+	10+
Disc.	List	-7%	On request

Part number	Ratio	No load speed (rpm)	Vitesse under load (rpm)	Nominal torque (Nm)	Nominal current (A)	Price each 1 to 5
<b>12 V DC Version</b>						
DOG258-12-50	52:1	50	40	12	12	630,65 €
DOG258-12-30	52:1	30	25	15	10	630,65 €
<b>24 V DC Version</b>						
DOG258-24-50	52:1	50	40	12	6	630,65 €
DOG258-24-30	52:1	30	25	15	5	630,65 €

Dimensions in mm