

- 60 mm<sup>2</sup> to 104 mm<sup>2</sup> frame
- 6W to 400W
- Helical and Spur-low noise



**DKM Drives Power of the World**

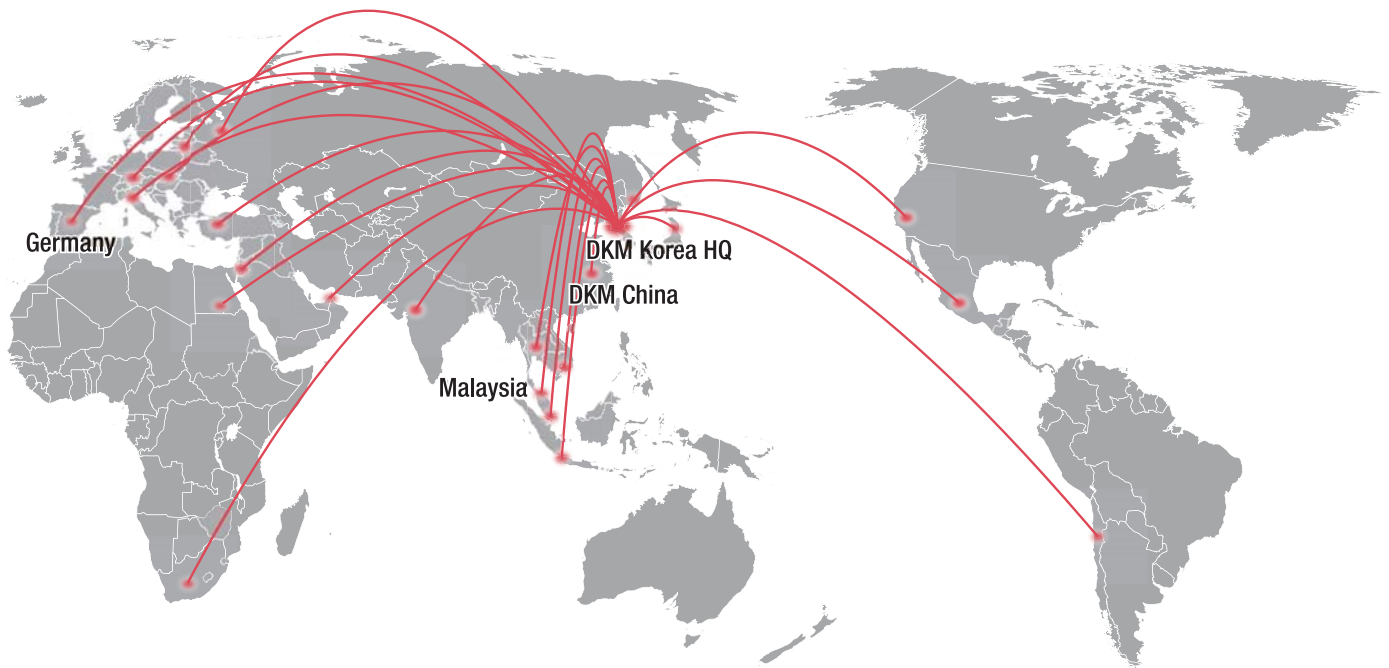




## Contents

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04	Global Network
05	History
06	Production
07	R&D
08	Marketing
10	Application
12	AC / DC Motor Lineup
13	AC Geared Motor
17	DC Geared Motor
18	Gearbox



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Incheon, KOREA



**DKM China**  
Shanghai, CHINA



**DKM Malaysia**  
JB, Malaysia



**German Partner OTT GmbH**  
Deisslingen, Germany

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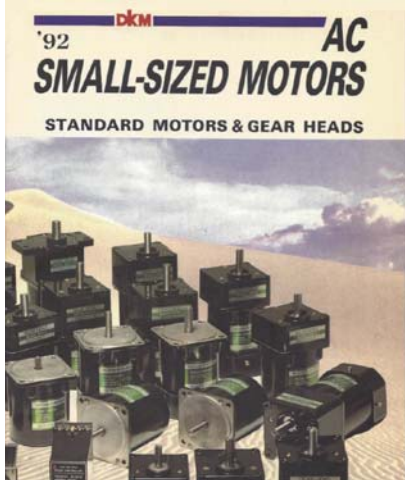
## DKM Malaysia

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Tel: +49 7420 9399-0  
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- 1983 The father company, 'Daekyung Machinery Co.' founded
- 1987 Developed 'Small Geared Motor' first time in Korea
- 1990 Starts export to overseas markets including China
- 1993 Acquired 'Q Mark' in Small Geared division from Korean government
- 1994 Acquired 'NT New Technology Mark' from Korean government
- 1995 Starts export to India, Indonesia and Malaysia
- 1999 Acquired CE (in some parts of Induction Motor) Advanced into Europe
- 2000 Changed company name to DKM Co., Ltd., the holding company
- 2002 Acquired ISO 9001:2000
- 2004 Acquired 'CCC' certificate
- 2005 Established 'DKM Shanghai Co., Ltd.' in Shanghai, China
- 2008 Established 'DKM South Asia Pte Ltd.' in Singapore
- 2009 Established 'DKM Europe' in Germany
- 2010 Relocation and extension of global headquarters
- 2011 Unveiled a new corporate identity



# Production



## Metal processing

DKM Motor has a long worth of know-how since its foundation in manufacturing metal processing components. We are making all metal cutting processes: turning with single or multi-spindle machines, gearing by hobbing machine, heat treatments and hardening processes.



## Assembly and Test

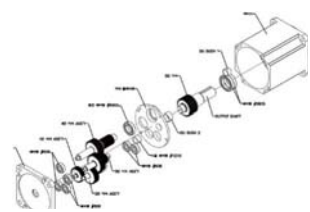
By using the precision assembly machines DKM Motor is making assembly of the selected components by the internal quality standard. We are making total 3 times test ; the test of the components before assembly, the test after assembly and the final shipping test after assembly of motor and gearbox.





## Design

The design department of DKM Motor is connected to the development of all products and our R&D team is on stand-by for comprehensive and fast adaptations to match your specific requirements and specifications.



## Laboratories

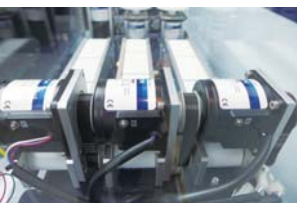
DKM carries out stress, wear, tear and life tests with the test machines.

Through this test process in our own test laboratory we can get the permissible torque and other limit values of each products will meet the required demands.



## Quality assurance

We always carries out the reliability test for sampling products from all manufactured products. By this test we can handle any faulty in advance.





## Global Exhibitions

DKM Motor is making its efforts to inform the customers of the products by effective method through various marketing channels. Since the establishment in 1983, we have participated continuously in domestic/overseas industry/machinery exhibition and introduced our products through dealer conference/technical seminar and received the requirements from agency and users to reflect in the production of better product. Besides, through regular distribution of press release and the sending of news letter, we are delivering the news and the information of new product of DKM quickly.



Neue Antriebsreihen zum Beispiel für die Förder- und Galvanotechnik

Wir realisieren Antriebe, Motoren in nahezu allen Bauformen. Hierzu greifen wir auf unser Lager mit über 20.000 Motoren sowie über 1.000 Steuerungen zurück.

www.ott-antriebe.de

- DC Motoren
- AC Motoren
- Gehebmotoren
- Steuerungsmotoren
- Nenntrieb
- Kurbelungen

Die Ott & Co. KG  
Bismarckstr. 3  
D-74622 Chaillygen  
Tel. 07420-9399-0  
Fax 07420-9399-25



## Partners Conferences

DKM Motor is opening Partner Conferences regularly all over the world.

This meeting enables DKM Motor and its partners communicates and exchange the news each other.



## Technical Seminar



## Snow Ice Machine

- Induction Motor



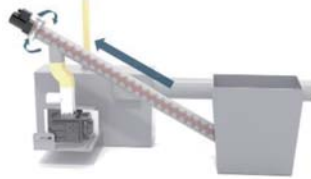
## Medical Abstractor

- Reversible Motor
- Induction Motor



## Pellet Boiler

- Reversible Motor



## Vacuum Mixer

- Induction Motor



## Food Machine

- Reversible Motor



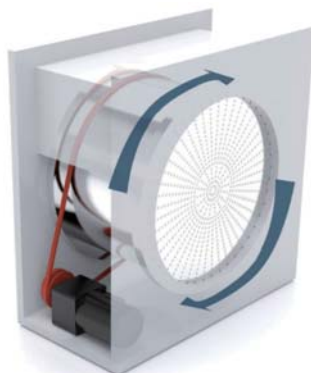
## Chain Conveyor

- Induction Motor



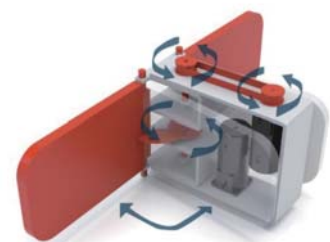
## Ventilator

- Induction Motor



## Subway Gate

- Brake Motor



### Metering Pump

- Induction Motor



### Temp & Humidity Chamber

- 2 Pole Motor
- Induction Motor



### Label Machine

- Brake Motor



### Plastic greenhouse door system



### Vertical Conveyor

- Brake Motor



### Solar Tracker

- Induction Motor
- Reversible Motor



### Fruit Sorting Machine

- Induction Motor



### Egg Sorting Machine

- Induction Motor



## AC Geared Motor

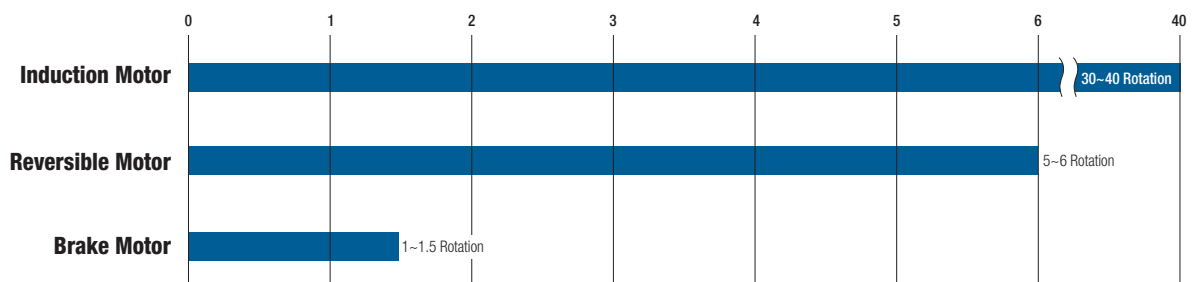
● = Available

Frame Size	□ 60mm		□ 70mm			□ 80mm		□ 90mm						□ 104mm
Output	6W	6W	10W	15W	15W	25W	40W	60W	90W	120W	150W	180W	200W	300W
Induction Motor	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2 Pole Motor					●	●	●	●	●	●	●		●	
Reversible Motor	●	●	●	●	●	●	●	●	●	●				
Brake Motor	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Clutch & Brake Motor					●	●	●	●	●	●				
Torque Motor		●			● (10W)		● (20W)	● (30W)	● (40W)					
Speed Control Induction	●	●	●	●	●	●	●	●	●	●		●		●
Speed Control Reversible		●	●	●	●	●	●	●	●	●				
Speed Control Brake					●	●	●	●	●	●		●		
Speed Control Clutch & Brake					●	●	●	●	●	●				

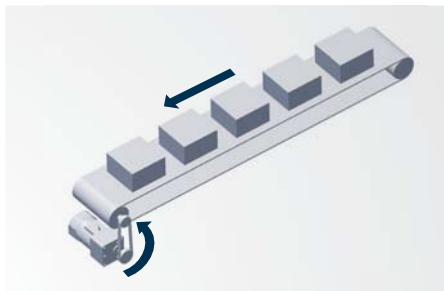
## DC Geared Motor

Frame Size		□ 60mm	□ 80mm			□ 90mm			Connection
Output		15W	25W	40W	60W	90W	120W		
Voltage	DC 12V	●	●	●	●	●	●	Lead Wire Type	
	DC 24V	●	●	●	●	●	●		
	DC 90V	●	●	●	●	●	●		

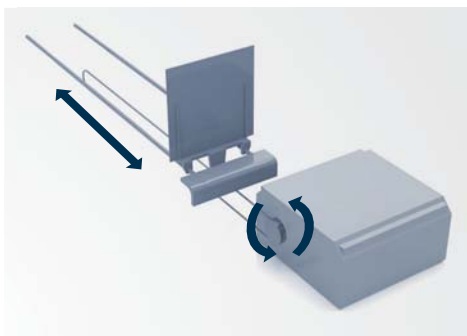
## Motor Overrun Data (Reference Value)



## Induction Motor



- Constant speed with continuous operation
- Stop in 2 sec. when switched off
- Over run : 30-40 times
- Possible for reverse rotation
- Rated operating time : Continuous run
- Frame Size : 60/70/80/90/104mm
- Output : 6W, 10W, 15W, 25W, 40W, 60W, 90W, 120W, 150W, 180W, 200W, 300W
- Voltage : Single phase 100V-115V, 200V-240V and three phase 200V-440V
- Connection: Lead wire type and terminal box type

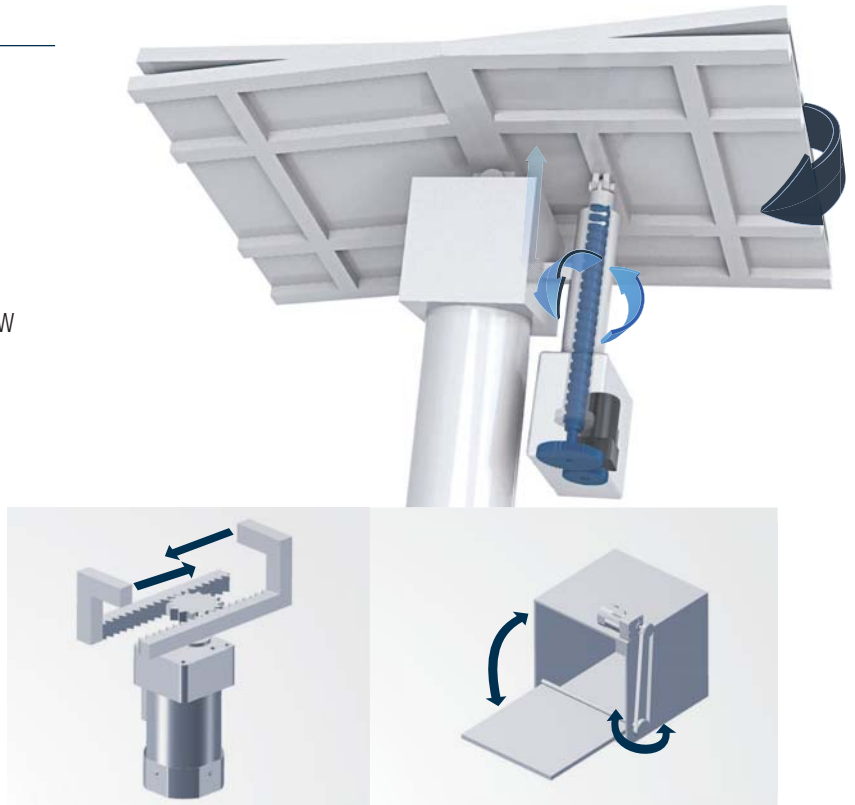
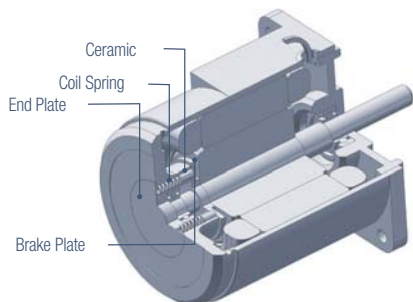


## 2Pole Motor

- High speed rotation
- 3,600 RPM (60Hz)
- 3,000 RPM (50Hz)
- Used without gearhead
- Possible for reverse rotation
- Rated operating time: Continuous run
- Frame Size : 80/90mm
- Output : 15W, 25W, 40W, 60W, 90W, 120W, 150W, 200W
- Voltage : Single phase 100V-115V, 200V-240V and three phase 200V-440V
- Connection : Lead wire type and terminal box type

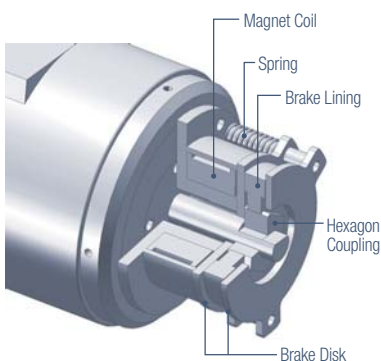
## Reversible Motor

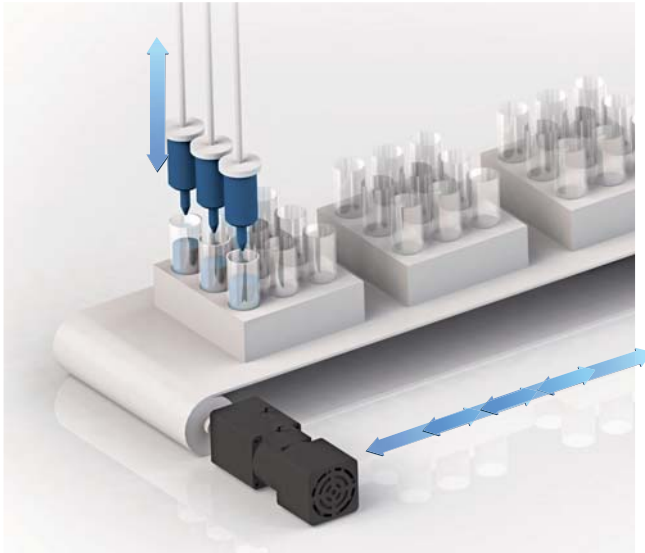
- Suitable for frequent reverse operation
- Stop in 0.5 sec. when switched off
- Over run: 5-6 times
- Possible for reverse rotation
- Rated operating time: 30 min.
- Frame Size: 60/70/80/90/104mm
- Output: 6W, 10W, 15W, 25W, 40W, 60W, 90W, 120W
- Voltage: Single phase 110V-115V and 200V-240V
- Connection: Lead wire type and terminal box type



## Brake Motor

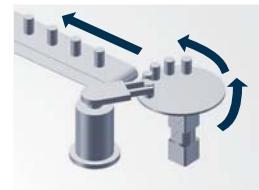
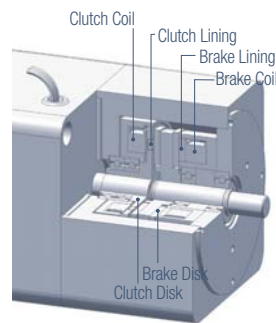
- Suitable for operation where load should be maintained
- Stop in 0.2 sec. when switched off
- Over run: 2-3 times
- Possible for reverse rotation
- Rated operating time: 30 min. (Single phase), Continuous run (Three phase)
- Frame Size: 70/80/90/104mm
- Output: 6W, 10W, 15W, 25W, 40W, 60W, 90W, 120W, 150W, 180W, 200W, 300W
- Voltage: Single phase 100V-115V, 200V-240V and three phase 200V-440V
- Connection: Lead wire type and terminal box type





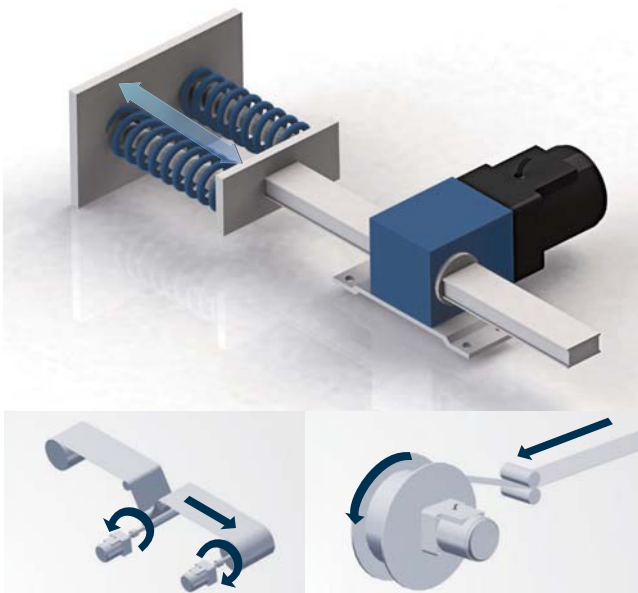
## Clutch & Brake Motor

- Suitable for high frequent start and stop operation
- Stop in 0.1 sec. when switched off
- Over run: 1 time
- Possible for reverse rotation
- Rated operating time: Continuous run
- Frame Size: 80/90mm
- Output: 15W, 25W, 40W, 60W, 90W, 120W
- Voltage: Single phase 100V-115V, 200V-240V and three phase 200V-440V
- Connection: Lead wire type and terminal box type



## Torque Motor

- Suitable for controlling tension and pushing in winding operations
- Possible for reverse rotation
- Easy control of motor torque by using torque controller
- By using the motor in the braking region of the speed-torque characteristics, it can be used as a brake.
- Possible for reverse rotation
- Rated operating time: 5 min. (with max. voltage), Continuous run (with 60% of max. voltage)
- Frame Size: 70/80/90mm
- Output: 6W, 10W, 20W, 30W, 40W
- Voltage: Single phase 100V-115V, 200V-240V and three phase 200V-440V
- Connection: Lead wire type and terminal box type



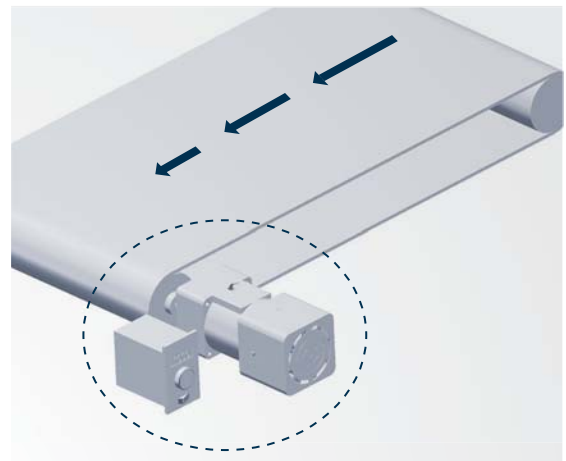
## Speed Control Motor

- Speed Control Motor allows you to set and adjust the speed of the motor easily by using speed controller
- Type: Speed Control Induction Motor, Speed Control Reversible Motor, Speed Control Brake Motor and Speed Control Clutch & Brake Motor



## Speed Controller

- FX1000A: Front panel potentiometer, Unit type (Connecting motor with easy-to-use connector)
- DSKM : Front panel potentiometer, Scket type(Connecting motor with socket), External volume-attachable





### DC Geared Motor

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- High starting torque and efficiency
- Easy to change the normal/reverse rotation
- Available to manufacture low voltage motor which can be applied to portable machines with various specifications.
- Parallel and worm gearheads can be attached to DC motors.
- DSD Speed Controller enables to adjust the speed easily.
- Frame Size: 60/80/90mm
- Output: 15W, 25W, 40W, 60W, 90W, 120W
- Voltage: DC 12V, 24V, 90V
- Connection: Lead wire type



### Speed Controller DSD

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- Front panel potentiometer, Unit type
- Applicable to DC 90V motor
- Easy speed adjustment by potentiometer on front panel



## Parallel Gearbox

- Frame Size: 60/70/80/90/104mm

General Box Type  
(GB Type)



Powerful Box Type  
(PB Type)



Powerful Flange Type  
(PF Type)



High Powerful Box Type  
(HB Type)



High Powerful Flange Type  
(HF Type)



Ultra Powerful Box Type  
(UB Type)



## Worm Gearbox

Worm gearbox allow the motor to be installed at the right or left axis of equipment such as conveyor belts. Worm solid type and worm hollow type are available.

- **Frame Size**  
Worm Solid Type: 80/90mm  
Worm Hollow Type: 90/104mm (Gear Center Distance: 30/40mm)

Worm Solid Type  
(W Type, Left Output Shaft)



Worm Solid Type  
(W Type, Right Output Shaft)



Worm Solid Type  
(W Type, Bi-directional Output Shaft)



Worm Hollow Type  
(WH Type, 90mm)



Worm Hollow Type  
(WH Type, 104mm)





DKM Drives Power of the World



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