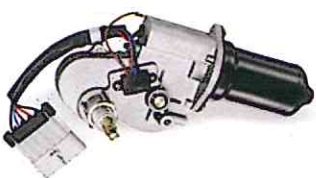


WEYCO

MARINE

WIPER SYSTEMS & COMPONENTS



WEXCO

MARINE

Celebrating its 24th year of service to the heavy duty windshield wiper industry, WEXCO Industries has grown in both the expertise of the design, as well as the array of available products. Regardless of your application, we can engineer a customized solution to address your needs, with robust components, delivered through an efficient and timely supply chain. Whether you are building commercial vessels or pleasure crafts, clear vision is imperative to your design, so let WEXCO provide the right equipment for your boat, and keep your customers safe on the water. And if you are looking to replace or match older wiper components, keep in mind that WEXCO is the decendent of American Bosch, United Technologies, and Johnson Electric wiper systems, and has many of those product designs among our offerings.



ASSOCIATION OF
EQUIPMENT MANUFACTURERS



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4A Sealed Motor

For maximum flexibility and reliable performance, while driving arms and blades up to 600mm / 24", the 4A is the most popular motor in the WEXCO line. Sealed, with a powder-coated aluminum cover (with heat sinks) to IP66 standards and CE certified, these units can be adjusted to left hand or right hand park, and to sweep angles of 40, 50, 60, 70, 80, 90, 100, and 110 degrees.

- shaft construction: stainless steel w/brass housing
- shaft lengths: available in 1.5", 2.5", or 3.5"
- shaft type: 1/2" drum
- low speed: 40 sweeps/minute
- high speed: 60 sweeps/minute
- motor voltage: available in 12v or 24v
- grounding: isolated, white wire
- fusing: 12A for 12v, 7A for 24v
- wire insulation: red=park, green=low spd
white=ground blue=high spd
- wiring: 16 AWG, 12" leads
- park circuitry: coast-to-park
- park positions: adjustable; left or right
- case: powder coated aluminum;
white or black; heat sinks
- weight: 1.4 kg / 3.1 lb
- packaging: individually boxed

4A Sealed Motor Part Numbers

PART NUMBER	SHAFT	VOLTAGE	COLOR
4A1.12.R110CE	1.5"	12v	white
4A2.12.R110CE	2.5"	12v	white
4A3.12.R110CE	3.5"	12v	white
4A1.24.R110CE	1.5"	24v	white
4A2.24.R110CE	2.5"	24v	white
4A3.24.R110CE	3.5"	24v	white
4A1.12.R110CEB	1.5"	12v	black
4A2.12.R110CEB	2.5"	12v	black
4A3.12.R110CEB	3.5"	12v	black
4A1.24.R110CEB	1.5"	24v	black
4A2.24.R110CEB	2.5"	24v	black
4A3.24.R110CEB	3.5"	24v	black

Part Number Options

To specify left hand park instead of right hand:
 change "R" in part number to "L"
 example: 4A1.12.L110CE
 (see definition of Park Position on page 19)
 (see "Sweep Angle Change Procedure")

To specify a preset sweep angle:
 change "110" in part number to desired angle
 example: for 90 degrees, 4A1.12.R90CE
 (see "Sweep Angle Change Procedure")

- DIN shaft motors available by special order
- Deutsch connectors available upon request

4A Sealed Motor



Stainless Steel Radial Wiper Arms to use with 4A Sealed Motor

<u>part number</u>	<u>shaft type</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>blade connection</u>	<u>swivel head</u>
200722DS	1/2"	8"-11"	210-280	black	hook	no
201211DS	1/2"	11"-14"	280-350	black	hook	no
200720DS	1/2"	11"-14"	280-350	black	hook	yes
200704DS	1/2"	14"-18"	350-450	black	hook	yes
200705DS	1/2"	18"-22"	450-550	black	hook	yes
200706DS	1/2"	20"-24"	500-600	black	hook	yes

All radial wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19492, which includes spray nozzle, tubing, hose retainer clips, & instructions

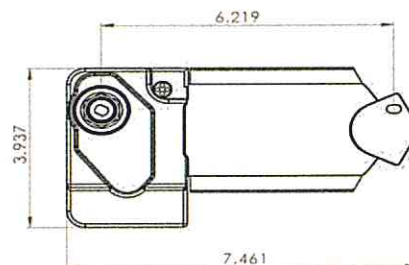
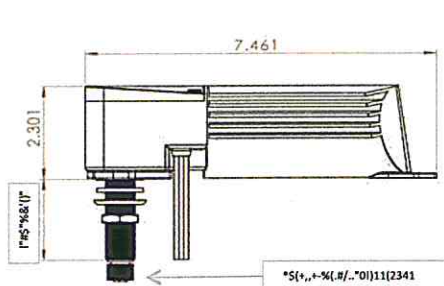
Stainless Steel Pantograph Wiper Arms to use with 4A Sealed Motor

<u>part number</u>	<u>shaft type</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>blade connection</u>
200733DS	1/2"	11"-14"	280-350	black	saddle
200701DS	1/2"	14"-18"	350-450	black	saddle
200703DS	1/2"	20"-24"	500-600	black	saddle

All pantograph wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19491, which includes spray nozzle, tubing, hose retainer clips & instructions

Stainless Steel Wiper Blades to use with 4A Sealed Motor

<u>part number</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>construction</u>
13609M	9"	230	black	304 stainless steel, powder coated
13610M	10"	250	black	304 stainless steel, powder coated
13611M	11"	275	black	304 stainless steel, powder coated
13612M	12"	300	black	304 stainless steel, powder coated
13614M	14"	350	black	304 stainless steel, powder coated
13616M	16"	400	black	304 stainless steel, powder coated
13618M	18"	450	black	304 stainless steel, powder coated
13620M	20"	500	black	304 stainless steel, powder coated
13622M	22"	550	black	304 stainless steel, powder coated
13624M	24"	600	black	304 stainless steel, powder coated





4R WWF Motor

For medium duty applications, these wiper motors offer reliable performance, driving arms and blades up to 600mm / 24". The long-time industry standard is CE certified, can be adjusted to left hand or right hand park, and can be set to sweep angles of 40, 50, 60, 70, 80, 90, 100, and 110 degrees.

shaft construction: stainless steel w/brass housing

shaft lengths: available in 1.5", 2.5", or 3.5"

shaft type: 1/2" drum

low speed: 35 sweeps/minute

high speed: 55 sweeps/minute

motor voltage: available in 12v or 24v

grounding: isolated, white wire

fusing: 12A for 12v, 7A for 24v

wire insulation: red=park, green=low spd
white=ground blue=high spd

wiring: 16 AWG, 12" leads

park circuitry: coast-to-park

park positions: adjustable; left or right

case: powder coated aluminum;
white or black

weight: 1.1 kg / 2.4 lb

packaging: individually boxed

4R WWF Motor Part Numbers

PART NUMBER	SHAFT	VOLTAGE	COLOR
4R1.12.R110CE	1.5"	12v	white
4R2.12.R110CE	2.5"	12v	white
4R3.12.R110CE	3.5"	12v	white
4R1.24.R110CE	1.5"	24v	white
4R2.24.R110CE	2.5"	24v	white
4R3.24.R110CE	3.5"	24v	white
4R1.12.R110CEB	1.5"	12v	black
4R2.12.R110CEB	2.5"	12v	black
4R3.12.R110CEB	3.5"	12v	black
4R1.24.R110CEB	1.5"	24v	black
4R2.24.R110CEB	2.5"	24v	black
4R3.24.R110CEB	3.5"	24v	black

Part Number Options

To specify left hand park instead of right hand:

change "R" in part number to "L"

example: 4R1.12.L110CE

(see definition of Park Position on page 19)

(see "Sweep Angle Change Procedure")

To specify a preset sweep angle:

change "110" in part number to desired angle

example: for 90 degrees, 4R1.12.R90CE

(see "Sweep Angle Change Procedure")

- DIN shaft motors available by special order
- Deutsch connectors available upon request

4R WWF Motor



Stainless Steel Radial Wiper Arms to use with 4R Motor

<u>part number</u>	<u>shaft type</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>blade connection</u>	<u>swivel head</u>
200722DS	1/2"	8"-11"	210-280	black	hook	no
201211DS	1/2"	11"-14"	280-350	black	hook	no
200720DS	1/2"	11"-14"	280-350	black	hook	yes
200704DS	1/2"	14"-18"	350-450	black	hook	yes
200705DS	1/2"	18"-22"	450-550	black	hook	yes
200706DS	1/2"	20"-24"	500-600	black	hook	yes

All radial wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19492, which includes spray nozzle, tubing, hose retainer clips, & instructions

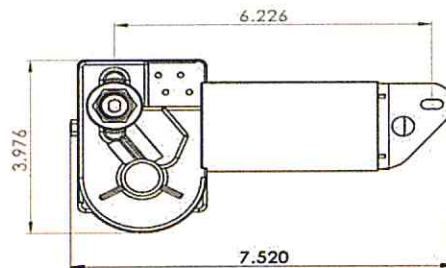
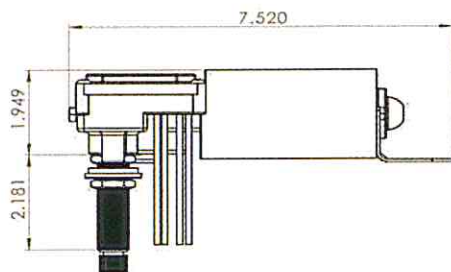
Stainless Steel Pantograph Wiper Arms to use with 4R Motor

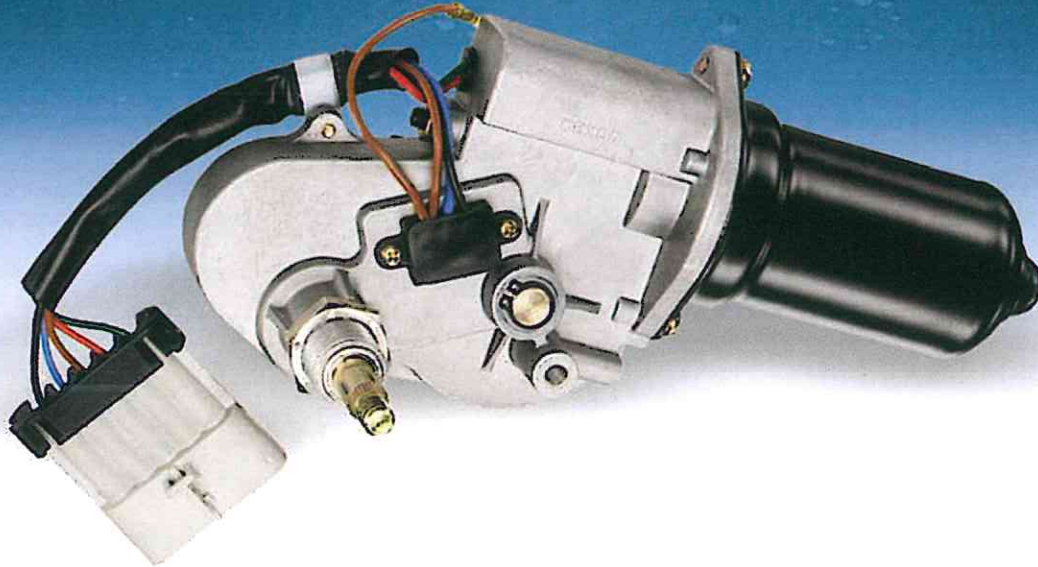
<u>part number</u>	<u>shaft type</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>blade connection</u>
200733DS	1/2"	11"-14"	280-350	black	saddle
200701DS	1/2"	14"-18"	350-450	black	saddle
200703DS	1/2"	20"-24"	500-600	black	saddle

All pantograph wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19491, which includes spray nozzle, tubing, hose retainer clips & instructions

Stainless Steel Wiper Blades to use with 4R Motor

<u>part number</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>construction</u>
13609M	9"	230	black	304 stainless steel, powder coated
13610M	10"	250	black	304 stainless steel, powder coated
13611M	11"	275	black	304 stainless steel, powder coated
13612M	12"	300	black	304 stainless steel, powder coated
13614M	14"	350	black	304 stainless steel, powder coated
13616M	16"	400	black	304 stainless steel, powder coated
13618M	18"	450	black	304 stainless steel, powder coated
13620M	20"	500	black	304 stainless steel, powder coated
13622M	22"	550	black	304 stainless steel, powder coated
13624M	24"	600	black	304 stainless steel, powder coated





Large Sweep Motor

For through-the-glass applications, this unique motor can clear wide angles, driving arms and blades up to 600mm / 24". With a 24" arm, and a 24" blade, a pattern 72" wide can be effectively swept. Designed with a combination mounting-bolt / washer-fluid port, only two holes in the glass are required to mount this unit. Stainless steel hardware provides a sharp look outside, while a cover with integrated switch gives a sleek appearance inside.

motor torque: 18 N-m
motor voltage: available in 12v or 24v
shaft construction: stainless steel w/SS housing
shaft lengths: 1"
shaft type: DIN A10 x M8 (per DIN 72 783)
low speed: 35 sweeps/minute
high speed: 50 sweeps/minute
grounding: isolated, white wire
fusing: 20 amps minimum
park circuitry: dynamic park
park positions: right hand (left hand available)
connector: 6 pin Deutsch
weight: 1.1 kg / 2.5 lb

Large Sweep Motor Part Numbers

PART NUMBER	VOLTAGE
4812.R172.E1SS	12v
4824.R172.E1SS	24v"

Accessories

To mount to 1/4" thick glass:
Order hardware kit K172GS
(includes mounting hardware, pivot hardware, hose barb, and nozzle)

To mount to bulkhead:
Order hardware kit K172MS
(includes mounting hardware, pivot hardware, hose barb, and nozzle)

Cover: Inquire about options

Large Sweep Motor



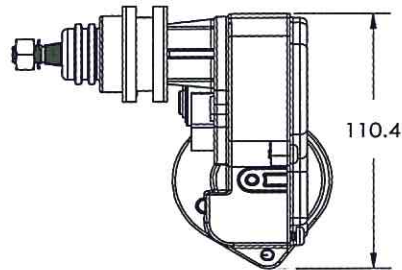
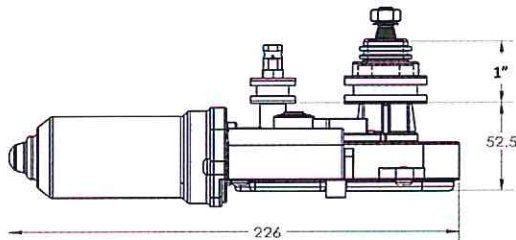
Stainless Steel Radial Wiper Arms to use with Large Sweep Motor

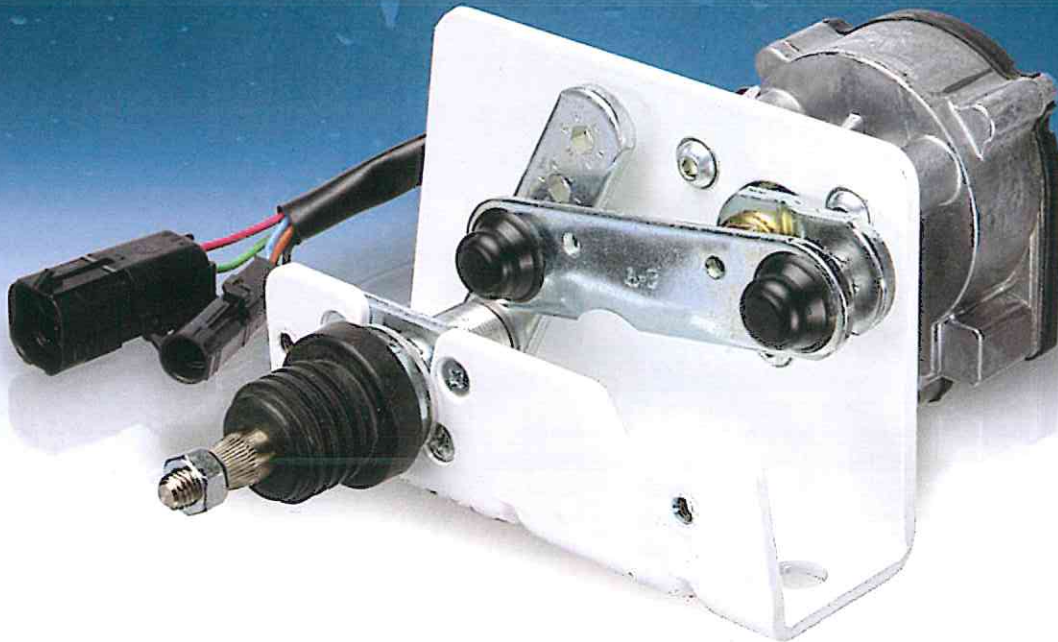
<u>part number</u>	<u>shaft type</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>blade connection</u>	<u>swivel head</u>
	DIN	8"-11"	210-280	black	hook	yes
	DIN	11"-14"	280-350	black	hook	yes
	DIN	14"-18"	350-450	black	hook	yes
!""# \$\$%&	DIN	20"-24"	500-600	black	hook	yes

All radial wiper arms are supplied DRY. Since the large sweep motor has a built in nozzle, there is no need to use a wet arm.

Stainless Steel Wiper Blades to use with Large Sweep Motor

<u>part number</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>color</u>	<u>construction</u>
13609M	9"	230	black	304 stainless steel, powder coated
13610M	10"	250	black	304 stainless steel, powder coated
13611M	11"	275	black	304 stainless steel, powder coated
13612M	12"	300	black	304 stainless steel, powder coated
13614M	14"	350	black	304 stainless steel, powder coated
13616M	16"	400	black	304 stainless steel, powder coated
13618M	18"	450	black	304 stainless steel, powder coated
13620M	20"	500	black	304 stainless steel, powder coated
13622M	22"	550	black	304 stainless steel, powder coated
13624M	24"	600	black	304 stainless steel, powder coated





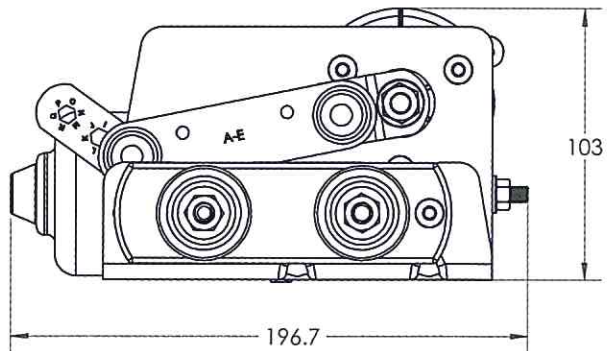
Marine Compact Motor

For radial and pantograph applications using arms in the range 500-800mm / 20" - 32", the WEXCO Marine Compact Drive is the most flexible wiper module on the market. Wipe angles from 40 - 108 degrees can either be factory set or changed in the field. A 2-speed, 32 N-m motor, on a powder-coated bracket provides plenty of torque to drive stainless steel pivots, clearing your field of vision, and keeping you safe on the water.

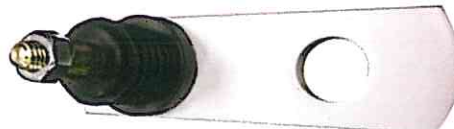
- motor torque: 32 N-m
- motor voltage: available in 12v or 24v
- shaft construction: stainless steel w/Al housing
- shaft lengths: 1", 1.25", 2", 2.5", or 3"
- shaft type: DIN (A12xM8) (per DIN 72783)
- low speed: 40 sweeps/minute
- high speed: 60 sweeps/minute
- grounding: isolated
- fusing: 12 amps minimum
- wire insulation: black=park, green=low spd red=high
brown=ground blue=switch
- wiring: 16 AWG, 7" leads
- park circuitry: dynamic, or coast-to-park
- park positions: assembled for either RH or LH
- connector: all compact drives supplied with
6 pin Deutsch
- weight: approx 2.7 kg / 6.0 lbs

To specify a Marine Compact Drive:

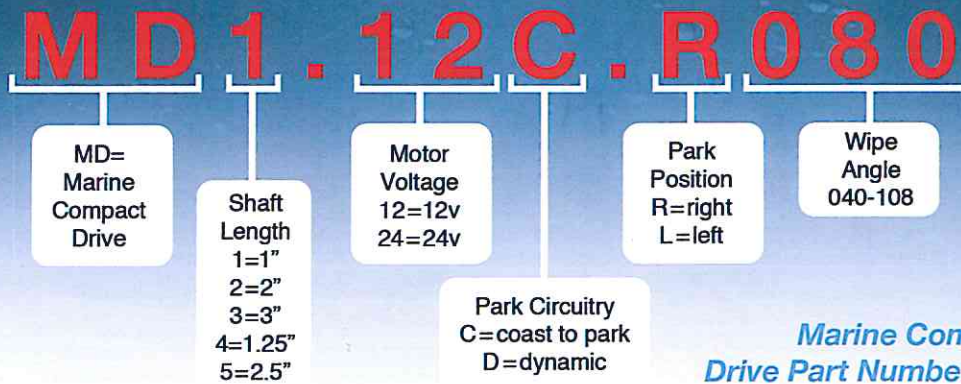
- choose 12v or 24v
- choose coast-to-park or dynamic park circuitry
- choose sweep angle (40 - 108 degrees)
- choose park position (right or left)
- choose pivot length (1", 1.25", 2", 2.5", or 3")



For applications that specify a pantograph wiper arm, the Marine Compact Drive motor assembly will be supplied with a Slave Pivot Adapter Kit, SP30260003, as shown below.



Marine Compact Motor



Marine Compact Drive Part Numbering Format

Stainless Steel Radial Wiper Arms to use with Marine Compact Motor

part number	shaft type	length (inches)	length (mm)	color	blade connection	swivel head
200711DS	DIN	20"-24"	500-600	black	hook	yes
2012132DS	DIN	26"-32"	650-800	black	saddle	no

All radial wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19492, which includes spray nozzle, tubing, hose retainer clips, and instructions.

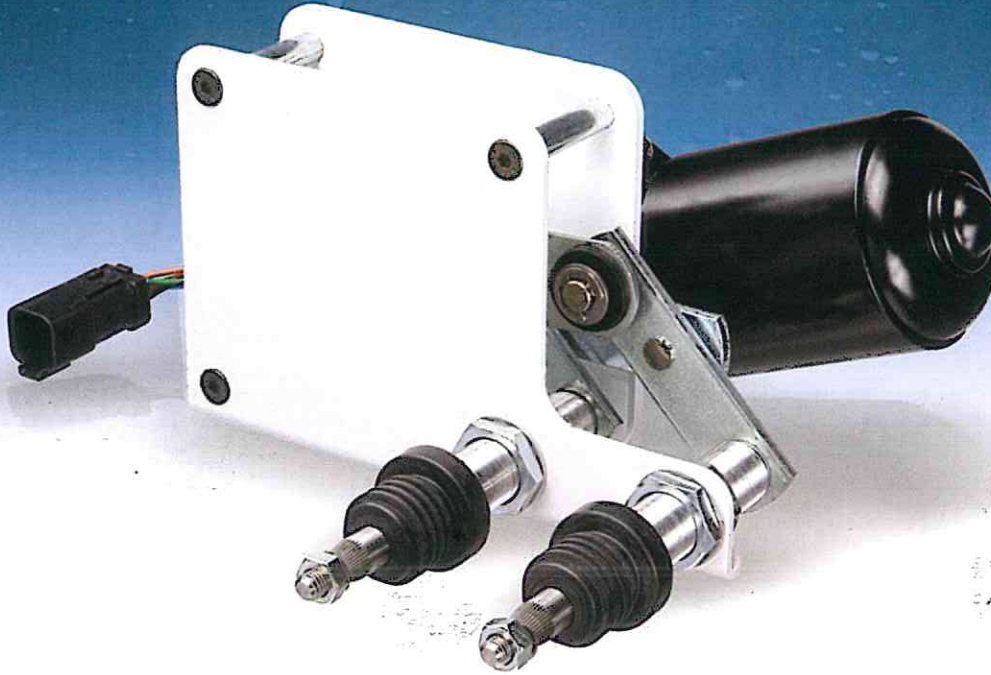
Stainless Steel Pantograph Wiper Arms to use with Marine Compact Motor

part number	shaft type	length (inches)	length (mm)	color	blade connection
200708DS	DIN	20"-24"	500-600	black	saddle
200712DS	DIN	26"-32"	650-800	black	saddle

All pantograph wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19491, which includes spray nozzle, tubing, hose retainer clips & instructions

Stainless Steel Wiper Blades to use with Marine Compact Motor

part number	length (inches)	length (mm)	color	construction
13616M	16"	400	black	304 stainless steel, powder coated
13618M	18"	450	black	304 stainless steel, powder coated
13620M	20"	500	black	304 stainless steel, powder coated
13622M	22"	550	black	304 stainless steel, powder coated
13624M	24"	600	black	304 stainless steel, powder coated
13626M	26"	650	black	304 stainless steel, powder coated
13628M	28"	700	black	304 stainless steel, powder coated
13728SSM	30"	750	black	304 stainless steel, powder coated
13730SSM	32"	800	black	304 stainless steel, powder coated



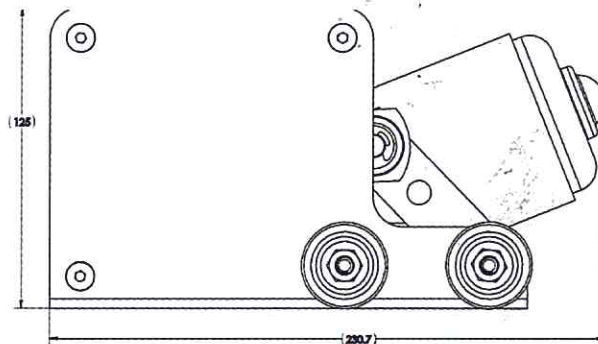
Marine Dual Drive

For heavy duty applications, where arm and blade lengths exceed 800mm / 32", WEXCO recommends a Marine Dual Drive wiper system. A 55 N-m motor drives both pivots, distributing forces equally through both sides of the pantograph arm, ensuring long, reliable life on rough seas, and in poor weather. 304 stainless steel DIN pivots provide a solid torsional base for larger pantograph arms.

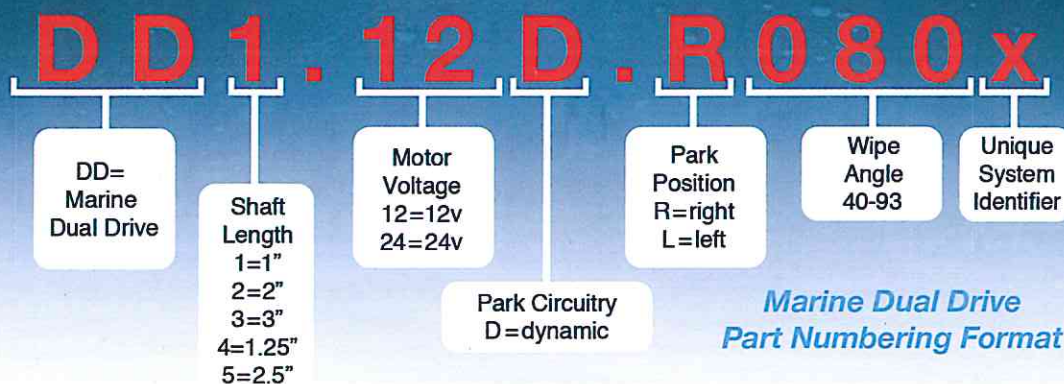
- motor torque: 55 N-m
- motor voltage: available in 12v or 24v
- shaft construction: stainless steel w/Al housing
- shaft lengths: 1", 1.25", 2", 2.5", or 3"
- shaft type: DIN (A12xM8) (per DIN 72783)
- low speed: 40 sweeps/minute
- high speed: 60 sweeps/minute
- grounding: isolated, white wire
- fusing: 20 amps minimum
- wire insulation: black=park, green=low spd, red=high, brown=ground, blue=switch
- wiring: 16 AWG, 7" leads
- park circuitry: dynamic park
- park positions: assembled; left or right
- connector: all dual drives supplied with 6 pin Deutsch
- weight: approx 4.0 kg / 8.8 lbs

To specify a Marine Dual Drive:

- choose sweep angle (40 -108 degrees)
- choose park position (right or left)
- choose pivot length (1", 1.25", 2", 2.5", or 3"



Marine Dual Drive



Stainless Steel Radial Wiper Arms to use with Marine Dual Drive

part number	shaft type	length (inches)	length (mm)	color	blade connection
200708DS	DIN	20"-24"	500-600	black	saddle
200712DS	DIN	26"-32"	650-800	black	saddle
200713DS	DIN	32"-36"	800-900	black	saddle
200719DS	DIN	38"-40"	950-1000	black	saddle

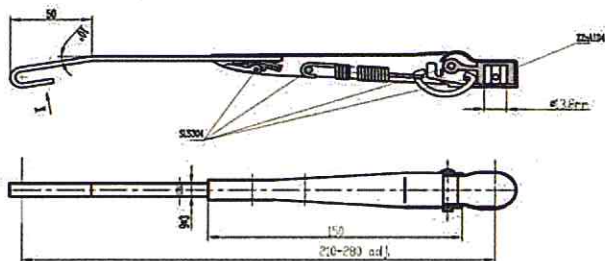
All radial wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19492, which includes spray nozzle, tubing, hose retainer clips, and instructions.

Stainless Steel Wiper Blades to use with Marine Dual Drive

part number	length (inches)	length (mm)	blade connection	color	construction
13620M	20"	500	J-hook	black	304 SS, 13.6mm saddle width
13622M	22"	550	J-hook	black	304 SS, 13.6mm saddle width
13624M	24"	600	J-hook	black	304 SS, 13.6mm saddle width
13626M	26"	650	J-hook	black	304 SS, 13.6mm saddle width
13628M	28"	700	J-hook	black	304 SS, 13.6mm saddle width
13728SSM	28"	700	saddle	black	304 SS, 13.6mm saddle width
13730SSM	30"	750	saddle	black	304 SS, 13.6mm saddle width
13732SSM	32"	800	saddle	black	304 SS, 13.6mm saddle width
13734SSM	34"	850	saddle	black	304 SS, 13.6mm saddle width
13736SSM	36"	900	saddle	black	304 SS, 13.6mm saddle width
13738SSM	38"	950	saddle	black	304 SS, 13.6mm saddle width
13740SSM	40"	1000	saddle	black	304 SS, 13.6mm saddle width
0120532SS21	32"	800	saddle	black	304SS, 17mm saddle width
0120534SS21	34"	850	saddle	black	304SS, 17mm saddle width
0120536SS21	36"	900	saddle	black	304SS, 17mm saddle width
0120538SS21	38"	950	saddle	black	304SS, 17mm saddle width
0120540SS21	40"	1000	saddle	black	304SS, 17mm saddle width



Radial Arm Drawing



Radial Arm Details

- material: 304 stainless steel
- coating: powder coated; bare arms available upon request
- pivot attachment: DIN or 1/2" drum
- lengths: adjustable, per table below
- wet/dry: supplied dry, wet kits available
- blade attachment: per table below

Stainless Steel Radial Wiper Arms

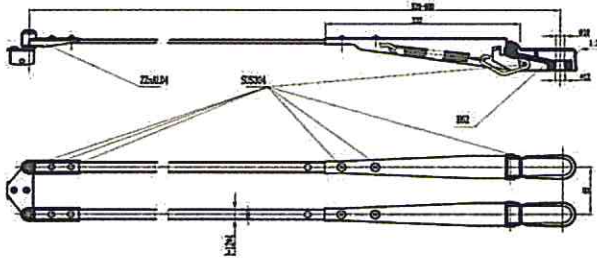
part number	shaft type	length (inches)	length (mm)	color	blade connection	swivel head
200722DS	1/2"	8"-11"	210-280	black	hook	no
2012 11DS	1/2"	11"-14"	280-350	black	hook	no
200720DS	1/2"	11"-14"	280-350	black	hook	yes
200704DS	1/2"	14"-18"	350-450	black	hook	yes
200705DS	1/2"	18"-22"	450-550	black	hook	yes
200706DS	1/2"	20"-24"	500-600	black	hook	yes
2007 11DS	DIN	20"-24"	500-600	black	hook	yes
200732DS	DIN	26"-32"	650-800	black	saddle	no

All radial wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19492, which includes spray nozzle, tubing, hose retainer clips, & instructions

Pantograph Wiper Arms



Pantograph Wiper Arm Drawing



Pantograph Wiper Arm Details

- material: 304 stainless steel
- coating: powder coated; bare arms available upon request
- pivot attachment: DIN or 1/2" drum
- lengths: adjustable, per table below
- wet/dry: supplied dry, wet kits available
- blade attachment: 13.7mm saddle

Stainless Steel Pantograph Wiper Arms

part number	shaft type	length (inches)	length (mm)	color	blade connection
200733DS	1/2"	11"-14"	280-350	black	saddle
200701DS	1/2"	14"-18"	350-450	black	saddle
200703DS	1/2"	20"-24"	500-600	black	saddle
200732DS	DIN	26"-32"	650-800	black	saddle
200708DS	DIN	20"-24"	500-600	black	saddle
200712DS	DIN	26"-32"	650-800	black	saddle
200713DS	DIN	32"-36"	800-900	black	saddle
200719DS	DIN	38"-40"	950-1000	black	saddle

All pantograph wiper arms are supplied DRY. Arms can be made WET by ordering wet kit #WE19492, which includes spray nozzle, tubing, hose retainer clips, & instructions



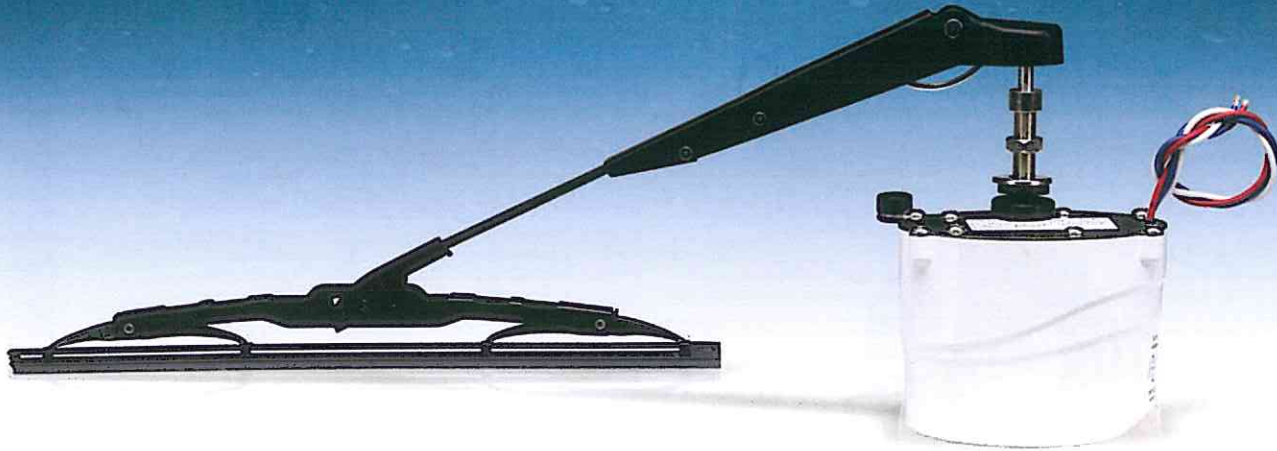
Wiper Blades

The wiper blade is where the rubber meets the road, or in this case, where the rubber meets the glass. WEXCO blades use only double chlorinated natural rubber elements, molded--never extruded. A powder-coated 304 stainless steel frame provides an even distribution of force across the length of the blade, ensuring a clear, reliable wipe. Blades are equipped with an adapter which allows them to fit 9x3 hook arms, and saddle arms. Bare stainless steel arms are available through special order. With sizes ranging from 9" to 40", there is a style, a connector, and a length for every craft on the water.

Stainless Steel Wiper Blades

<u>part number</u>	<u>length (inches)</u>	<u>length (mm)</u>	<u>attachment</u>	<u>color</u>	<u>construction</u>
13609M	9"	230	J-hook	black	304 SS, 13.6mm saddle width
13610M	10"	250	J-hook	black	304 SS, 13.6mm saddle width
13611M	11"	280	J-hook	black	304 SS, 13.6mm saddle width
13612M	12"	300	J-hook	black	304 SS, 13.6mm saddle width
13614M	14"	350	J-hook	black	304 SS, 13.6mm saddle width
13616M	16"	400	J-hook	black	304 SS, 13.6mm saddle width
13618M	18"	450	J-hook	black	304 SS, 13.6mm saddle width
13620M	20"	500	J-hook	black	304 SS, 13.6mm saddle width
13622M	22"	550	J-hook	black	304 SS, 13.6mm saddle width
13624M	24"	600	J-hook	black	304 SS, 13.6mm saddle width
13626M	26"	650	J-hook	black	304 SS, 13.6mm saddle width
13628M	28"	700	J-hook	black	304 SS, 13.6mm saddle width
13728SSM	28"	700	saddle	black	304 SS, 13.6mm saddle width
13730SSM	30"	750	saddle	black	304 SS, 13.6mm saddle width
13732SSM	32"	800	saddle	black	304 SS, 13.6mm saddle width
13734SSM	34"	850	saddle	black	304 SS, 13.6mm saddle width
13736SSM	36"	900	saddle	black	304 SS, 13.6mm saddle width
13738SSM	38"	950	saddle	black	304 SS, 13.6mm saddle width
13740SSM	40"	1000	saddle	black	304 SS, 13.6mm saddle width
0120532SS21	32"	800	saddle	black	304SS, 17mm saddle width
0120534SS21	34"	850	saddle	black	304SS, 17mm saddle width
0120536SS21	36"	900	saddle	black	304SS, 17mm saddle width
0120538SS21	38"	950	saddle	black	304SS, 17mm saddle width
0120540SS21	40"	1000	saddle	black	304SS, 17mm saddle width

Light Duty Motor Kit



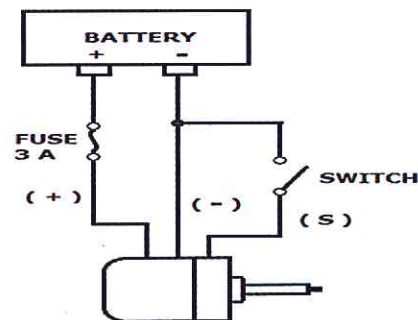
Light Duty Motor Kit

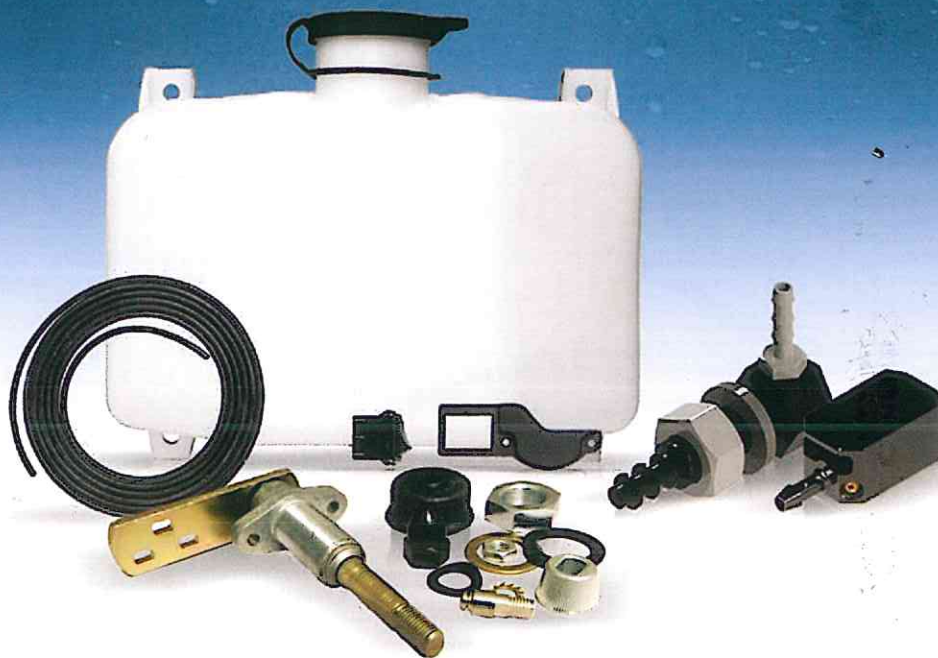
For light duty applications, this CE-certified compact-sized motor is sized to accommodate small windows. With an armature case measuring only 64mm x 110mm, it can be located in small spaces, and yet still drive 14"/350mm arms and blades. This product is sold as a kit, as shown above, and comes with wiring instructions, as well as instructions on how to change wipe angle and park position.

- motor torque: 8 N-m
- motor voltage: available in 12v or 24v
- shaft construction: stainless steel
- shaft lengths: 1
- shaft type: pinch bolt
- one speed: 54 sweeps/minute
- grounding: isolated ground wire
- fusing: 3 amps minimum
- park circuitry: coast-to-park
- park positions: adjustable: left or right
- case: aluminum, waterproof to IP65, UV resistant
- color: available in black or white

Light Duty Motor Kit Part Numbers

PART NUMBER	SHAFT	ANGLE	COLOR
SQ112080SS	12v	80	white
SQ112110SS	12v	110	white
SQ124080SS	24v	80	white
SQ124110SS	24v	110	white
SQ112080SSB	12v	80	black
SQ112110SSB	12v	110	black
SQ124080SSB	24v	80	black
SQ124110SSB	24v	110	black





Switch Kit Assemblies for 4R WWF motors

400257 1 speed
400258 2 speed

Stainless Steel Hardware kit for WWF motors

400297 M16 x 1 brass hex nut
400298 stainless steel spacer
400299 rubber washer (x2)

Slave Pivot Adapter Kit for Marine Compact Drive

SP20260003 adapter plate
GS01550001 gasket
CA01127001 cap
NT00800002 M8 nut
WA40805001 M8 washer
SC10602001 M6 screw
WA10655002 M6 washer

Wet Kits for Wiper Arms

WE19491 for pantograph arms
WE19492 for radial arms

Reservoirs

400711 1/2 gal 12v 7.39" (H) x 5.35" (W) x 5.20" (D)
400713 1 gal 12v 10.0" (H) x 8.67" (W) x 4.85" (D)
400715 1 gal 12v 7.62" (H) x 9.49" (W) x 5.50" (D)
400715-1 pump for 400715
400715-2 cap for 400715
721018 self tapping screws

Rubber Tube *(sold by the foot),* and valves

Meets FMVSS / SAE / ASTM 1149/J492
19481 3/16" (4mm) ID, 5/16" (8mm) OD
100775 anti return valve for use with 19481

Fittings

19482 tee connector	3/16" x 3/16" x 3/16"
19488 in-line connector	3/16" x 3/16"
200257 bulkhead fitting	3/16" x 3/16"

Sweep Angle Change Procedure

1. Remove the gearbox cover.
2. Detach the circlip and disconnect the link.
3. Unscrew the Angle Plate, retain locking washers and screws.
4. Turn the Angle Plate to the desired Wipe Angle, place the Angle Plate screws in the correct position for parking.
5. Fix the Angle Plate by tightening the screws.
6. Reconnect the link and secure it with the circlip.
7. Replace the gearbox cover.

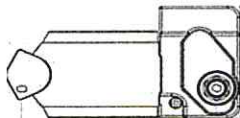
Angle/Park	Hole	Position
40/R	D	2
40/L	D	1
50/R	D	1
50/L	D	2
60/R	B	2
60/L	B	1
70/R	B	1
70/L	B	2
80/R	C	1
80/L	C	2
90/R	A	2
90/L	A	1
100/R	C	2
100/L	C	1
110/R	A	1
110/L	A	2

Park Positions

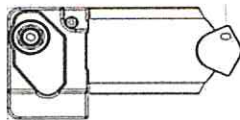
Park position is defined as the location of the wiper blades when the wiper system is turned off. The vessel manufacturer may decide on this position as a matter of preference, visibility, or aesthetics, but it is important to specify the position correctly, so that wiper components can be assembled as specified.

WEXCO specifies park position as follows:

- 1) View the glass from the OUTSIDE the vessel.
- 2) Note the POSITION of the motor: ABOVE or BELOW the glass?
- 3) Note the ORIENTATION of the motor



Right Side Up



Upside Down

- 4) Where will the blades rest in the off position? LEFT side of glass RIGHT side of glass



WIPER SYSTEMS & COMPONENTS

Requested by:

