

Exalto 223/Type 1 Wiper System

Our wiper systems are engineered for reliability and performance - even in the worst conditions.

223BS/BD Wiper Motor

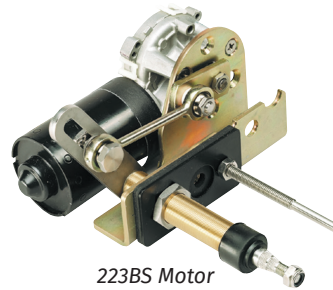
- 12VDC or 24VDC
- Choice of three bulkhead thicknesses
- 23Nm torque
- Drives arms to 31.1", blades to 31.5"
- Two Speed Settings:
 - Low (40 sweeps/min)
 - High (60 sweeps/min)
- Dynamic park (left or right)
- Amp Draw: 3A (12V) or 1.5A (24V)
- Recommended Fuse Size:
 - 12V: 6A Slow Blow
 - 24V: 4A Slow Blow

223/Type 1 Wiper Arms

- Three adj. lengths from 9.8" - 31.1"
- Adjustable spring gallery for easy wiper blade pressure adjustment
- Optional second spring
- 316 stainless steel construction with solid brass heads
- Arms fold back for easy windshield cleaning
- Coated with durable low-glare black polyester epoxy
- Optional arm-mounted washing jet

223/Type 1 Wiper Blades

- Stainless steel main support
- Stainless steel lower bridges (standard wiper blades)
- High-density synthetic lower bridges (heavy duty wiper blades)
- Replaceable rubber inserts
- 12 sizes from 9.8" - 31.5"



223BS Motor

Exalto
Wiper Technologies  since 1965

FEATURES

- Tapered drive shaft for secure motor/arm connection
- Choice of stepless sweep angle (223BS) or disk version in preset wipe angles and park positions (223BD)
- Sweep angle adjustable from 40-90
- 316 stainless steel shafts, fasteners and components
- Optional motor cover for 223BD motor

BENEFITS

- Long life in wet, corrosive environment - Waterproof to IPx6 (Protected against heavy seas - Water projected at all angles)
- Easy installation and wiring
- Wide range of arms and blades to fit most any window
- System has maximum wiper reach of up to 45"
- 3-Year warranty on motors & arms; 1-Year for blades

Control Options

Imtra offers a wide range of switching options for your wiper system. The choices range from simple rotary switches to full featured electronic control panels that allow for fingertip control of the operation of entire banks of wipers. Ask for more information or visit www.imtra.com to see all the wiper switching options.



Integrated Washing Systems

Complete your wiper installation with a proper window washing system. Imtra has everything that you need to customize a washing or rinse down solution for your application.

We have it all - solenoids, plumbing fittings, high quality tubing, bulkhead connects and manifolds for systems that plumb directly into the craft's pressure water system.



Or, choose a washing system that includes a dedicated fluid reservoir that allows for the use of anti-freeze or other additives for weather sensitive operation.



Request a copy of our washing system flyer to see all the options available. You can also see our offering at www.imtra.com

	MODEL	VOLTAGE	BULKHEAD THICKNESS	ITEM NO.	SWEEP ANGLE ADJUSTMENT
WIPER MOTORS	223BS	12V	3/4" 1-3/8" 2-1/8"	EXA2167.30 EXA2167.32 EXA2167.35	40°-90° Slot stepless adj
		24V	3/4" 1-3/8" 2-1/8"	EXA2168.30 EXA2168.32 EXA2168.35	
	223BD	12V	3/4" 1-3/8" 2-1/8"	EXA2165.30 EXA2165.32 EXA2165.35	40°-90° Disk 5° increments
		24V	3/4" 1-3/8" 2-1/8"	EXA2166.30 EXA2166.32 EXA2166.35	
ARM LENGTH				ITEM NO.	GALLERY SPRING
WIPER ARMS	10.6 - 17.7" Adjustable Length 17.7 - 23.6" Adjustable Length 23.6 - 31.1" Adjustable Length			EX2133AS EX2136AS EX2139AS	Adjustable Spring Gallery with one spring
	10.6 - 17.7" Adjustable Length 17.7 - 23.6" Adjustable Length 23.6 - 31.1" Adjustable Length			EX2133AS2 EX2136AS2 EX2139AS2	Adjustable Spring Gallery with dual springs
BLADE TYPE			LENGTH	ITEM NO.	CONSTRUCTION
WIPER BLADES	Standard Blades		10" 11.8" 13.8" 15.8" 17.7" 19.7" 21.7"	EX2170 EX2171 EX2172 EX2173 EX2174 EX2175 EX2176	Stainless Steel main support with stainless steel bridges
	Heavy Duty Blades		24" 25.5" 27.5" 29.5" 31.5"	EX216120 EX216121 EX216122 EX216123 EX216124	Stainless Steel main support with high-density synthetic bridges