



DYNORBITAL[®] EXTREME

RANDOM ORBITAL SANDER SERIES

FEATURING NEW MODELS!



WE LISTEN. WE OBSERVE. WE OPTIMIZE.



DYNORBITAL® EXTREME

RANDOM ORBITAL SANDER SERIES



EXTREME sanding in any application from Dynabrade, the premier random orbital solution provider.

Dynabrade proudly presents our most refined random orbital sander to date. The Dynorbital® Extreme boasts the greatest power and most consistent speed of any palm-style orbital sander. Power and speed combine to quickly and reliably produce the desired finish, while ergonomic features keep operators safe and comfortable throughout their day. Symmetrical design allows left or right-handed operators to work comfortably, while the compact size of the Dynorbital® Extreme fits naturally in most operator's hands.

American-made from the highest grade materials for long-life and high durability.



NEW MODELS!

EXTREME DIVERSITY

- **NEW 3" Mini-Dynorbital® Extreme**
Ultra-compact and lightweight – weighs just over 1 lb. Features integrated Speed Control.
- **NEW ESD Dynorbital® Extreme**
Insulate operators, technicians and sensitive materials from static shock.
- **NEW Speed Control Dynorbital® Extreme**
Regulate tool speed for sensitive applications.

EXTREME POWER

- New motor design has the highest power-to-weight ratio in the industry.
- Most consistent speed under load in industry, running at 92% of rated tool speed.
- New rotor design enhances power with less friction.

EXTREME COMFORT

- Ergonomic design with integrated comfort platform for more wrist support and overall operator comfort.
- Soft grip co-molded to rigid composite base housing for maximum comfort and durability.
- Recessed throttle lever eliminates pinch and pressure points on an operator's palm.

EXTREME PERFORMANCE

- Achieve consistent, superior finishes in less time.
- Premium sanding pad is weight-mated for the lowest vibration levels.
- Made from the highest quality materials for extreme durability and longevity.

IDEAL INDUSTRIES



LIFETIME
WARRANTY

EXTREME FEATURES & BENEFITS

INNOVATIONS FOR ENHANCED POWER, COMFORT AND PERFORMANCE



3" MINI-DYNORBITAL® EXTREME



ESD DYNORBITAL® EXTREME



SPEED CONTROL DYNORBITAL® EXTREME



FEATURE	BENEFIT	
1 RECESSED THROTTLE LEVER	Eliminates pressure point on palm	
2 INTEGRATED COMFORT PLATFORM	Provides enhanced ergonomic comfort	
3 COMFORT GRIP	Tactile, ambidextrous design	
4 LIP SEAL SHROUD	Allows excellent vacuum performance	
5 WEIGHT-MATED SANDING PAD	For reduced vibration and consistent finishes	
6 INTEGRATED SWIVEL CUFF	Secure, maneuverable vacuum connection	
7 INCREASED PORT SIZE	For better vacuum capture rate	
8 NEW INTEGRATED SPEED CONTROL	Allows fine adjustment of tool speed	3" MINI MODELS
9 COMPACT HOUSING	For confined areas & small scale sanding	
10 REDESIGNED SHROUD	For enhanced dust pickup	ESD MODELS
11 (2) 1 MEGAOHM RESISTORS	Prevents high-voltage shock	
12 LEVER SPEED CONTROL	Allows fine adjustment of tool speed	SPEED CONTROL MODELS



3/16" DIA. ORBIT
General Sanding
Teal Throttle Lever



3/32" DIA. ORBIT
Ultra-Fine Sanding
Black Throttle Lever



3" MINI-DYNORBITAL® EXTREME SANDERS



Model No.	Diameter	Pad Type	Orbit Dia.	Vacuum Type	RPM	Power	Max. Air Flow	Weight	Height	Length
X31	3" (76 mm)	Hook-Face	3/16" (5 mm)	Non-Vacuum	12,000	.1 hp (75 W)	8 SCFM (227 LPM)	1.17 lb. (.53 kg)	3.1" (78 mm)	5.9" (150 mm)
X31V				Vacuum				1.23 lb. (.56 kg)		7.1" (181 mm)
X32			3/32" (2.5 mm)	Non-Vacuum				1.17 lb. (.53 kg)		5.9" (150 mm)
X32V				Vacuum				1.23 lb. (.56 kg)		7.1" (181 mm)

Additional Specifications Air Inlet - 1/4" NPT | Air Hose I.D. - 1/4" (6 mm) | Air Pressure - 90 PSIG (6.2 Bar) | 3/4" (19 mm) Vacuum Hose Connection

For the most current tool specifications, visit dynabrade.com

5" & 6" DYNORBITAL® EXTREME RANDOM ORBITAL SANDERS

SPECIFICATIONS FOR STANDARD, SPEED CONTROL AND ESD MODELS



STANDARD MODELS

Model No.	Diameter	Pad Type	Orbit Dia.	Vacuum Type	RPM	Power	Max. Air Flow	Weight	Height	Length
X51	5" (127 mm)	PSA	3/16" (5 mm)	Non-Vacuum	12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.78 lb (0.8 kg)	3.7" (95 mm)	6.9" (176 mm)
X51H		Hook-Face		Vacuum				1.94 lb (0.9 kg)		9.1" (230 mm)
X51V		PSA	3/32" (2.5 mm)	Non-Vacuum				1.74 lb (0.8 kg)		6.9" (176 mm)
X52		Hook-Face		Vacuum				1.9 lb (0.9 kg)		9.1" (230 mm)
X52H		PSA	3/16" (5 mm)	Non-Vacuum				1.86 lb (0.8 kg)		7.4" (188 mm)
X52V		Hook-Face		Vacuum				2.02 lb (0.9 kg)		9.5" (242 mm)
X61	6" (152 mm)	PSA	3/16" (5 mm)	Non-Vacuum	12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.82 lb (0.8 kg)	3.7" (95 mm)	7.4" (188 mm)
X61H		Hook-Face		Vacuum				1.98 lb (0.9 kg)		9.5" (242 mm)
X61V		PSA	3/32" (2.5 mm)	Non-Vacuum				1.82 lb (0.8 kg)		7.4" (188 mm)
X62		Hook-Face		Vacuum				1.98 lb (0.9 kg)		9.5" (242 mm)
X62H		PSA	3/16" (5 mm)	Non-Vacuum				1.82 lb (0.8 kg)		7.4" (188 mm)
X62V		Hook-Face		Vacuum				1.98 lb (0.9 kg)		9.5" (242 mm)



SPEED CONTROL MODELS

Model No.	Diameter	Pad Type	Orbit Dia.	Vacuum Type	RPM	Power	Max. Air Flow	Weight	Height	Length
X51S	5" (127 mm)	PSA	3/16" (5 mm)	Non-Vacuum	12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.9 lb (0.9 kg)	3.7" (95 mm)	6.9" (176 mm)
X51HS		Hook-Face		Vacuum						9.1" (230 mm)
X51VHS		PSA	3/32" (2.5 mm)	Non-Vacuum						6.9" (176 mm)
X52HS		Hook-Face		Vacuum						9.1" (230 mm)
X52VHS		PSA	3/16" (5 mm)	Non-Vacuum						7.4" (188 mm)
X61HS		Hook-Face		Vacuum						9.5" (242 mm)
X61VHS	6" (152 mm)	PSA	3/16" (5 mm)	Non-Vacuum	12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.9 lb (0.9 kg)	3.7" (95 mm)	7.4" (188 mm)
X61HS		Hook-Face		Vacuum						9.5" (242 mm)
X61VHS		PSA	3/32" (2.5 mm)	Non-Vacuum						7.4" (188 mm)
X62HS		Hook-Face		Vacuum						9.5" (242 mm)
X62HS		PSA	3/16" (5 mm)	Non-Vacuum						7.4" (188 mm)
X62VHS		Hook-Face		Vacuum						9.5" (242 mm)



ESD MODELS

Model No.	Diameter	Pad Type	Orbit Dia.	Vacuum Type	RPM	Power	Max. Air Flow	Weight	Height	Length						
X51ESD	5" (127 mm)	Hook-Face	3/16" (5 mm)	Vacuum	12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.9 lb (0.9 kg)	3.7" (95 mm)	9.1" (230 mm)						
X51ESD1*											3/32" (2.5 mm)	9.1" (230 mm)				
X52ESD			3/16" (5 mm)							Vacuum			12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.9 lb (0.9 kg)
X52ESD1*											3/32" (2.5 mm)	9.5" (242 mm)				
X61ESD	6" (152 mm)	Hook-Face	3/16" (5 mm)	Vacuum	12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.9 lb (0.9 kg)	3.7" (95 mm)							
X61ESD1*											3/32" (2.5 mm)	9.5" (242 mm)				
X62ESD			3/16" (5 mm)							Vacuum			12,000	0.3 hp (224 W)	19 SCFM (538 LPM)	1.9 lb (0.9 kg)
X62ESD1*											3/32" (2.5 mm)	9.5" (242 mm)				

*All ESD1 models are equipped with 59385 ESD Conductive Hose Assembly, 1" Vacuum Hose, 5/16" Air Line, 3 meters long.

Additional Specifications Air Inlet - 1/4" NPT | Air Hose I.D. - 1/4" (6 mm) | Air Pressure - 90 PSIG (6.2 Bar) | 1" (25 mm) Vacuum Hose Connection

For the most current tool specifications, visit dynabrade.com

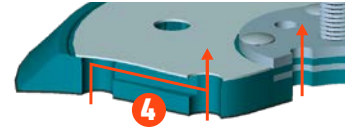
EXTREME SANDING PADS

PREMIUM URETHANE – MEDIUM DENSITY

– All new channel design for use with vacuums and multi-hole abrasives.

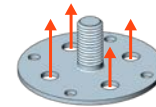
FEATURE	BENEFIT
1 WEIGHT-MATED TO EXTREME SANDER	<i>For reduced vibration and consistent finishes</i>
2 SINGLE-PIECE HUB DESIGN	<i>Precise machining reduces pad vibration</i>
3 VACUUM HUB	<i>Direct path for dust/debris extraction</i>
4 MULTI-HOLE VACUUM PAD	<i>Channels dust/debris to center for best capture</i>

Diameter	Vacuum Type	Holes	Hook-Face	Vinyl-Face	Thickness	Thread
3" (76 mm)	Vacuum	6	54262	–	.44" (11 mm)	1/4"-20
5" (127 mm)	Vacuum	5	54334	–	3/8" (10 mm)	5/16"-24
	Non-Vacuum	–	54325T	56106T		
6" (152 mm)	Vacuum	6	54339	–	3/8" (10 mm)	5/16"-24
	Non-Vacuum	–	54327T	56107T		



Internal-Channel Vacuum Pad

Dust/debris migrates to pad's center where pick-up is greatest



Vacuum Hub

(4) holes for pad center dust/debris extraction

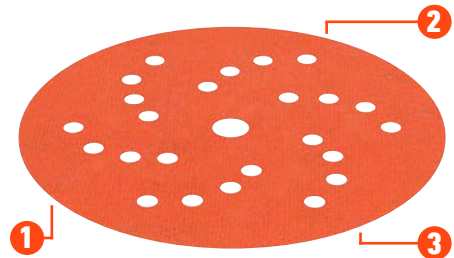
DYNACUT™ EXTREME ORANGE

PREMIUM FILM ABRASIVE DISCS

- Extreme Orange is the best choice for all materials and surfaces.
- A proprietary non-pigmented, high-performance, clog-free coating fights loading and won't discolor the work surface.



FEATURE	BENEFIT
1 PREMIUM P-GRADE ALUMINUM OXIDE	<i>Aggressive cutting for greater removal and longer life</i>
2 3 MIL FILM BACKING	<i>Durable, flat backing for consistent finishes</i>
3 CLOG-FREE COATING	<i>Resists loading and will not transfer color</i>



See Dynabrade's Abrasive Catalog for the complete Dynacut™ Extreme Orange product offering!

EXTREME VACUUM SYSTEM

COMPLETE SANDING SOLUTIONS FOR ALL INDUSTRIES

DYNORBITAL® EXTREME RANDOM ORBITAL SANDER

+

EXTREME SANDING PAD

+

DYNACUT™ EXTREME ORANGE ABRASIVE DISCS

+

DYNABRADE RAPTOR VAC® PORTABLE VACUUM SYSTEM





WE LISTEN. WE OBSERVE. WE OPTIMIZE.

EXTREME VACUUM ACCESSORIES

FOR CONNECTION TO ANY VACUUM SETUP



VACUUM HOSE ADAPTOR ASSEMBLY

31991

- 3/4" (19 mm) tool connection to 1" (25 mm) dia. vacuum hose
- Includes 31992 cuff and 3/4" (19 mm) dia. conductive vacuum hose piece



VACUUM HOSE SWIVEL ADAPTOR

96572 1" (25 mm) to 1" (25 mm)

96573 1" (25 mm) to 1-1/4" (32 mm)

- For slip-fit connection to vacuum hose assembly cuffs



CONDUCTIVE WHIP HOSE

- Includes 5/16" (8 mm) dia. air line with (2) 1/4" male fittings, 1/4" female Mega Flow Plug and is protected by a braided hose sleeve

31949 for 3" Models

- 3/4" (19 mm) dia., 6' (2 M) long vacuum hose with cuff for attachment to our standard Raptor Vac® 1" (25 mm) dia. hose.

31917 for 5" & 6" Models

- 1" (25 mm) dia., 6' (2 M) long vacuum hose with 31916 Swivel Cuff for attachment to our standard Raptor Vac® 1-1/4" (32 mm) dia. hose

DYNABRADE MAINTENANCE PRODUCTS

FOR OPTIMAL SANDER PERFORMANCE



FILTER-REGULATOR-LUBRICATOR

10690 1/2" NPT

- Max. 106 SCFM (3,002 LPM)
- 3/8" NPT reducer bushings for 3/8" air systems
- Adjustable oil drip rate
- 5 micron filter



DYNABRADE AIR LUBE

95842 1 Pint

- 10W/NR, absorbs up to 10% of its weight in water
- Specifically formulated for Dynabrade air tools



DROP-IN MOTOR

- Quick motor replacement

Pad Dia.	Orbit Dia.	Part No.
3" (76 mm)	3/16" (5 mm)	69484
	3/32" (2.5 mm)	69485
5" (127 mm)	3/16" (5 mm)	69480
	3/32" (2.5 mm)	69481
6" (152 mm)	3/16" (5 mm)	69482
	3/32" (2.5 mm)	69483



MOTOR TUNE-UP KIT

96824 for 3" Models

96576 for 5" & 6" Models

- Maintain your motor at peak performance
- Includes most wearable parts