



INNOVATIVE SOLUTIONS FOR THE AEROSPACE INDUSTRY

NEW



WE LISTEN. WE OBSERVE. WE OPTIMIZE.



DYNABRADE TOOLS FOR THE AEROSPACE INDUSTRY

ASSEMBLY, FINISHING, AND REPAIR

Dynabrade air tools have been utilized in the aerospace industry since the original Dynaflex® deburred its first turbine blade 50 years ago. Since then the role Dynabrade tools play in the construction or refinish of an aircraft has grown to where our tools can be utilized in every step of the process. Our mission at Dynabrade is to provide tools that enhance productivity, efficiency, and safety of tool operators. Beyond being as productive as possible the goal is to be at the forefront of innovation, as solutions providers, for industries facing challenging production, assembly or finishing applications.

REFINING TRADITIONAL DESIGN

Maintenance facilities and original manufacturers alike benefit from the strength and reliability provided by Dynabrade, but have also come to know Dynabrade as a specific solution provider through the refinement of traditional design. Newly refined die grinder designs ensure a lightweight tool, for overhead or extended use but with the rigidity and strength of a housing machined from a single piece of aluminum bar stock. Deburring, chamfering, and beveling and the myriad of other die grinder applications an aircraft presents require dependable Dynabrade air tools for efficient and repeatable results.

PROBLEM SOLVING INNOVATION

Restoration, retrofit, and repair normally requires significant disassembly of the aircraft, with some wing sections alone having tens of thousands of rivets. The painstaking process of disassembly is aided by the consistency and precision Dynabrade air tools provide. Low runout collets, consistency in speed through gearing and an operator's ability to control an air tool through specialized throttle levers are all critical to completing precision tasks technicians face daily- newly optimized Dynabrade die grinders and drills check each box.

LIFETIME
WARRANTY



NEW

DYNABRADE'S EXPANDED LINE OF TOOLS



New additions to the 900+ tool models from Dynabrade

REFINING TRADITIONAL DESIGN



Compact and lightweight for use in confined areas or overhead

PROBLEM SOLVING INNOVATION



Access hard to reach areas with our unique rotatable drill head

STRAIGHT-LINE DIE GRINDER

ALUMINUM HOUSING, REAR EXHAUST

Die grinders are widely used in aerospace manufacturing facilities for deburring and material removal applications. Straight-line die grinders are ideally suited for applications in confined areas, while right angle die grinders provide greater torque under load when aggressive material removal is necessary.



MODEL 55521

- Soft start to "featherable" lever provides superior operator speed control.
- Each model is equipped with a durable, steel safety throttle lever.
- Sintered bronze exhaust system reduces noise level.



FEATURE

BENEFIT

| | | |
|---|-------------------------------|---|
| 1 | COMPACT & ERGONOMIC DESIGN | Improves maneuverability in confined areas. |
| 2 | ANODIZED HOUSING | Provides corrosion resistance. |
| 3 | SINGLE-PIECE MACHINED HOUSING | Increases structural integrity. |

MODELS AVAILABLE:

| Model No. | RPM | Hp | Collet | Air Consumption |
|-----------|--------|-------------------|-------------|----------------------|
| 55520 | 25,000 | 0.3 hp (224 W) | 1/4" & 6 mm | 24 SCFM (680 LPM) |
| 55521 | 30,000 | | | |

Additional Specifications Air Inlet Thread - 1/4" NPT | Hose I.D. - 1/4" (6 mm)

RIGHT ANGLE DIE GRINDER

ALUMINUM HOUSING, REAR EXHAUST



MODEL 55541

| FEATURE | BENEFIT |
|---------------------------------|--|
| 1 PRECISION GEARS | Provide enhanced durability and performance. |
| 2 COMPACT GEAR HOUSING | Improves maneuverability in compact areas. |
| 3 SINGLE-PIECE MACHINED HOUSING | Increases structural integrity. |



TECH TIP

Apply 3 plunges of gear oil every 8 hours of use to maximize gear life.

MODELS AVAILABLE:

| Model No. | RPM | Hp | Collet | Air Consumption |
|-----------|--------|-------------------|-------------|----------------------|
| 55540 | 12,000 | 0.4 hp (298 W) | 1/4" & 6 mm | 24 SCFM (680 LPM) |
| 55541 | 20,000 | | | |

Additional Specifications Air Inlet Thread - 1/4" NPT | Hose I.D. - 1/4" (6 mm)

MINI RIGHT ANGLE DRILLS

ADJUSTABLE ANGLE HEAD

Mini right angle drills are critical tools in the assembly or repair of an aircraft, especially when working in confined areas. Four speeds are available with two work spindle thread options that are ideal for use on a variety of materials.



MODEL 55581

- Governor controlled motor maintains consistent speed under load.
- Four available speeds - 900, 2,400, 3,200, 5,000 RPM.
- 1/4"-28 and 9/32"-40 available threaded terminations.
- Composite body and tactile thermoplastic rubber tool grip provides comfortable control of the tool during use.
- Lightweight thermal-insulated housing reduces cold air transmission and vibration to the operator.
- Sealed gear case protects gears and reduces maintenance.

IDEAL INDUSTRIES



| | FEATURE | BENEFIT |
|---|-------------------|--|
| 1 | COMPACT DESIGN | Improves maneuverability in confined areas. |
| 2 | FEATHERABLE LEVER | Provides superior speed control. |
| 3 | ERGONOMIC HOUSING | Reduces vibration & cold air transfer, for extended use. |

MODELS AVAILABLE:

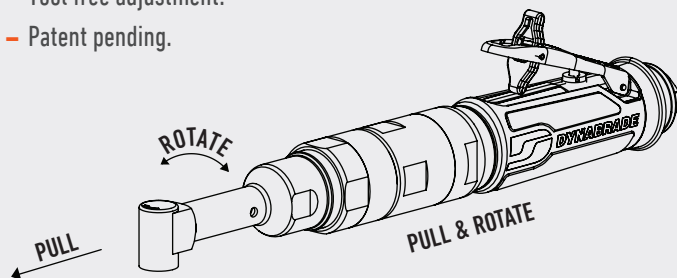
| Model No. | RPM | Hp | Drill Type | Exhaust | Air Consumption |
|-----------|-------|-------------------|-----------------|---------|----------------------|
| 55580 | 900 | 0.4 hp (298 W) | 1/4"-28 Thread | Rear | 26 SCFM (736 LPM) |
| 55581 | 2,400 | | | | |
| 55582 | 3,200 | | | | |
| 55583 | 5,000 | | | | |
| 55584 | 900 | | 9/32"-40 Thread | | |
| 55585 | 2,400 | | | | |
| 55586 | 3,200 | | | | |
| 55587 | 5,000 | | | | |

Additional Specifications Air Inlet - 1/4" NPT | Hose I.D. - 3/8" (10 mm)

DYNABRADE INNOVATION

Rotatable head and housing adjust without tools

- Rotating drill head, adjusts to 12 positions, (360°) in relation to the safety throttle lever.
- Head rotates in both clockwise and counterclockwise directions.
- Tool free adjustment.
- Patent pending.



**ROTATABLE
DRILL HEAD**

PENCIL DIE GRINDER TWIN TURBINE

NICKEL PLATED ALUMINUM HOUSING

The Dynabrade twin turbine pencil grinder is utilized in grinding and deburring applications requiring a high degree of precision. The compact design of the nickel plated housing fits naturally in most operators' hands and is built to stand up to demanding industrial applications.



MODEL 55500

- High RPM creates chatter free cutting.
- Low vibration and quiet operation minimizes operator fatigue.
- Low run-out for consistently smooth operation.
- Top-quality bearings provide long tool life.

FEATURE

BENEFIT

| | | |
|---|--------------------------------|--------------------------------|
| 1 | 5 MICRON AIR FILTER | Protects delicate motor parts. |
| 2 | TWIST-ON THROTTLE | Avoid accidental startup. |
| 3 | NICKEL PLATED ALUMINUM HOUSING | Durable and lightweight. |

MODELS AVAILABLE:

| Model No. | RPM | Collet Insert | Hp | Air Consumption |
|-----------|---------|---------------|------------------|---------------------|
| 55500 | 100,000 | 1/8" | 0.1 hp (75 W) | 6 SCFM (170 LPM) |
| 55501 | | 3 mm | | |

Additional Specifications Air Inlet - 1/4" NPT | Hose I.D. - 1/4" (6 mm)

IDEAL INDUSTRIES



EXTENSION DIE GRINDER COMPOSITE HOUSING, RIGHT ANGLE



MODEL 55560



| FEATURE | BENEFIT |
|---------------------|--------------------------------------|
| 1 FEATHERABLE LEVER | Provides superior speed control. |
| 2 LOW-PROFILE HEAD | Greater access to confined areas. |
| 3 PRECISION GEARS | Enhanced durability and performance. |

MODELS AVAILABLE:

| Model No. | RPM | Collet | Hp | Exhaust | Air Consumption |
|-----------|--------|-------------|-------------------|---------|-----------------------|
| 55560 | 12,000 | 1/4" & 6 mm | 0.7 hp (522 W) | Rear | 40 SCFM (1133 LPM) |
| 55561 | 18,000 | | | | |

Additional Specifications Air Inlet - 1/4" NPT | Hose I.D. - 3/8" (10 mm)



WE LISTEN. WE OBSERVE. WE OPTIMIZE.

AEROSPACE TOOL ACCESSORIES



COMPOSITE DYNASWIVEL

94300

- 1/4" NPT



GENERAL PURPOSE CARBIDE BURR KITS

93350

- 1/4" Shank Burr Kit

93351

- 1/8" Shank Burr Kit



DYNACUT™ INOX STAINLESS STEEL BURR KIT

94020

- 5 Piece, 1/4" shank burr shapes for cutting & grinding of stainless steel
- Cutting tool geometry generates high stock removal on stainless steel components



DYNACUT™ ALLOY SPECIFIC BURR KIT

94021

- 10 Piece, 1/8" burr shapes for cutting & grinding of nickel and titanium alloys
- Unique cutting geometry is designed for optimum performance on critical to grind materials



DYNACUT™ ALUMINUM & NON-FERROUS BURR KIT

94022

- 5 Piece, 1/4" shank burr shapes for cutting and grinding aluminum & other non-ferrous materials
- Unique cutting tool geometry designed for maximum strength, power and output

DYNABRADE MAINTENANCE PRODUCTS



FILTER-REGULATOR-LUBRICATOR

10690 1/2" NPT

- Max. 106 SCFM (3,000 LPM)
- 3/8" NPT reducer bushings for 3/8" air systems
- Adjustable oil drip rate
- 5 micron filter



DYNABRADE GEAR OIL

95848 2.5 OZ. (74 ml) TUBE

- Multi-purpose grease for all types of bearings, cams, gears
- High film strength, excellent resistance to water



PUSH-TYPE LUBRICANT GUN

95541 PUSH-TYPE LUBRICANT GUN

- For use with both gear oil and ultra grease
- Recommended to be used with only one type of lubricant at a time



ULTRA GREASE

96664 2.5 OZ. (74 ml) TUBE GREASE

- Multi-purpose grease for all types of bearings, cams, gears
- High film strength, excellent resistance to water



DYNABRADE AIR LUBE

95842 1 Pint (473 ml)

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