



Model # 233

**ONYX
1/8" 95°
PENCIL DIE
GRINDER**



**HIGH SPEED 52,500RPM FOR
RAPID MATERIAL REMOVAL**

**RIGHT-ANGLE 95° HEAD FOR
ACCESS AND COMFORT IN THE HAND**



1/8" SHANK CAPACITY

MODEL	Free Speed	Collet	Overall Length	Net Weight
233	52,500 RPM	1/8" (3 mm)	5.47" (139 mm)	0.485 lbs. (0.22 kgs)
	Hose Length	Air Pressure	Air Inlet Thread NPT	Air Consumption
	11.8" (1300mm)	90 PSI	1/4"	2.7 CFM

**LIGHTWEIGHT DESIGN FOR
TIGHT SPOTS AND
MINIMAL FATIGUE**

**Astro Pneumatic
Tool Company**



AIR TOOLS

SHOP EQUIPMENT HAND TOOLS UNDERCAR KIT HYDRAULICS





Astro

233

1/8" 95° PENCIL DIE GRINDER



- ✓ Right-angle 95° head for access and comfort in the hand
- ✓ Lightweight design for tight spots and minimal fatigue
- ✓ High speed 52,500rpm for rapid material removal

SPECIFICATIONS

Free Speed:	52,500 RPM	Net Weight:	0.485 lbs. (0.22 kgs)	Air Inlet Thread NPT:	1/4"
Collet:	1/8" (3 mm)	Hose Length:	11.8" (1300mm)	Air Consumption:	2.7 CFM
Overall Length:	5.47" (139 mm)	Air Pressure:	90 PSI		