

The world's first dies with built in visual management

# Thick Turret EasyView™ Slug Free® Dies

**New!**



mate.com/easyview

**Part Number**

**Mate Tooling Lasts Longer**

1295 Lund Boulevard, Anoka, Minnesota 55303 USA  
Call 800.328.4492 (763.421.0230) Fax 800.541.0285 (763.421.0285) mate.com

# Thick Turret EasyView™ Slug Free® Die

Introducing the world's first die with Lean visual management technology. The Mate EasyView™ Slug Free® die combines a colored O-ring for clear and instant identification, Slug Free die geometry for improved piece part quality, and increased machine up time.

Use the simple removable O-ring to identify a specific feature of the die making it faster and easier for the user to make the correct decision every time. Eliminate wasted time looking for the correct tool.

Order Mate EasyView Slug Free Dies today.



Patent Pending

Examples of Use	Criteria	Color
Material Type	Mild Steel	Black
	Aluminum	Red
	Stainless Steel	Yellow
Material Thickness	0.040(1.00)	Green
	0.059(1.50)	Yellow
	0.078(2.00)	White
Die Clearance	0.008(0.20)	Red
	0.012(0.30)	Yellow
	0.016(0.40)	Green
Machine Location	Machine #1	Red
	Machine #2	White
	Machine #3	Black
Shift	Days	White
	Nights	Black
Status	OK to use	Green
	To be Sharpened	Red



## Ordering Information

Station			Part Number
1/2"	A	Round	D0AA00
		Shape	D0AA_0
1-1/4"	B	Round	D0AB00
		Shape	D0AB_0
2"	C	Round	D0AC00
		Shape	D0AC_0
3-1/2"	D	Round	D0AD00
		Shape	D0AD_0
4-1/2"	E	Round	D0AE00
		Shape	D0AE_0



Order O-Rings  
Separately  
(See chart)



# Thick Turret EasyView™ Die Colored O-Rings

Replacement EasyView O-rings are manufactured from oil resistant butyl rubber for years of service life. Available in five distinct colors for optimum differentiation, and packaged for maximum convenience.

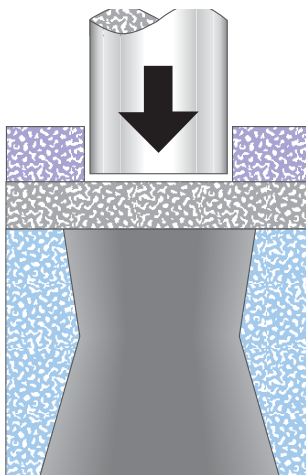
			Red	Green	Yellow	White	Black
1/2"	A	Pack of 5	MATE01310	MATE01311	MATE01312	MATE01313	MATE01314
1-1/4"	B	Pack of 5	MATE01315	MATE01316	MATE01317	MATE01318	MATE01319
2"	C	Each	ORI00028	ORI00029	ORI00030	ORI00031	ORI00032
3-1/2"	D	Each	ORI00033	ORI00034	ORI00035	ORI00036	ORI00037
4-1/2"	E	Each	ORI00038	ORI00039	ORI00040	ORI00041	ORI00042

## Slug Free® Die Operation

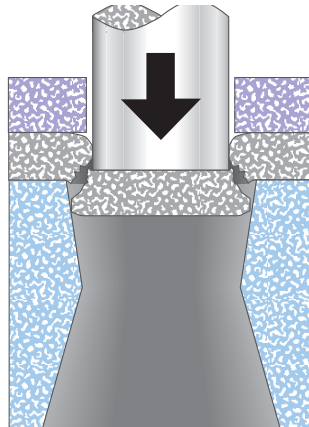
Mate Slug Free® dies eliminate slug pulling. Slug pulling is a condition where the slug returns to the top of the sheet during the stripping portion of the punching cycle. The slug comes between the punch and the top of the sheet on the next cycle. This causes damage to the piece part and the tooling. Slug Free dies eliminate this problem.

The Slug Free die has been designed with an opening that has a constriction point below the surface so the slug cannot return once it passes through this point. Once the slug is separated from the punch, it is free to fall away from the punching area. Slug pulling is eliminated.

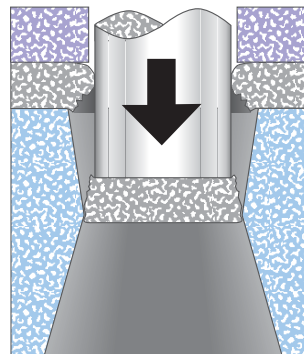
- ▶ Eliminate slug pulling
- ▶ Reduce tool breakage
- ▶ Improve tool life
- ▶ Increase quality



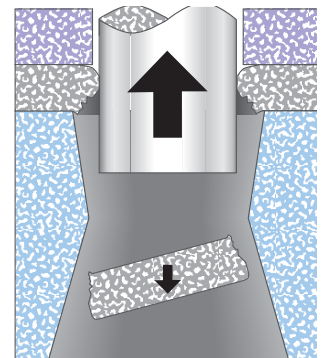
Material held securely by stripper before punch makes contact.



Punch penetrates the material. Slug fractures away from sheet.



Pressure point constricts slug. Punch stroke bottoms out as slug squeezes past pressure point.



Punch retracts and slug is free to fall down and away through exit taper of the Slug Free® die.



**MATE<sup>®</sup>**  
**PRECISION  
TOOLING**

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The Mate Logo is a registered trademark of Mate Precision Tooling Inc.  
Slug Free is a registered trademark of Mate Precision Tooling Inc.  
EasyView is a trademark of Mate Precision Tooling Inc.

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