

# GALA PELLETIZER BLADES

Pellet Processing Systems for the Plastics Industry

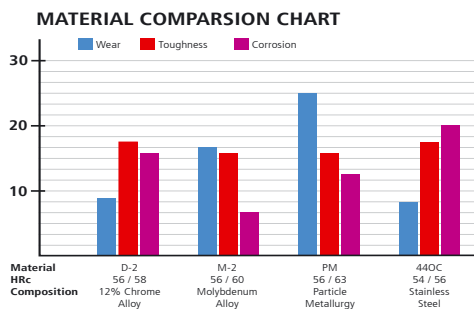


## Suggestions to increase the life of your Gala blades

- If the blade does not wear down all the way to the cutter hub and becomes dull instead, a softer blade can be used to actually extend blade life and run time.
- The use of staggered hole dies will improve die and blade life by spreading the material contact points across the full surface of the die face and blades.
- Visually check die plate for wear grooves. A grooved die should be ground.
- Use Gala patented self-aligning cutter hubs. These hubs will compensate for minor misalignment, thus requiring less force on the blades to obtain a clean cut.
- Proper selection of blade material and die plate face material for your polymer application will help increase both blade and die life.

# GALA PELLETIZER BLADES

Better materials for longer lifetimes



## 440C Stainless Steel\*

This material has an 18% chrome content and is part of the stainless steel family of tool steels. This is the best tool steel offering for knives that are used in very corrosive conditions. This very special grade of stainless is able to be hardened to 54 / 56 HRC.

\* Available on special request only.



Specialty blades, such as half thick or half length, or various materials of construction, are available for special pelletizing applications.

## PM (Powdered Metal)

This is the racing tire for the producer who wants output and is willing to pay the price. This material has a 9% Vanadium content, which gives it a huge advantage in both wear and toughness. Depending on conditions, this material should last 3x to 5x longer than D-2. Note: In addition to the Vanadium content, PM material is made in a different fashion than other tool steels. In the powdered metal method, the elements are all introduced in powdered form into a big furnace. The elements are then detonated so they are very evenly

## Tool steel material D-2

This material is known as the benchmark of the industry. Much like the steel-belted radial tires you get on a new car, this material will usually get the job done at a low price. The primary element is 12% chrome, which gives the blade good toughness and rust resistance.

Part #	Width	Half Thick	Half Length
977	.320" (8.13 mm)	–	–
1055	.650" (16.5 mm)	–	–
6046	.810" (20.6 mm)	–	–
10098	1.064" (27.0 mm)	–	–
106788	1.064" (27.0 mm)	1/2 Thick	–
10444	1.275" (32.4 mm)	–	–
45748	1.275" (32.4 mm)	–	–
80107	1.275" (32.4 mm)	–	–

## Tool steel material M-2

This material is a member of the high-speed family of tool steels. M-2 is primarily used to produce metal-cutting high-speed drill bits. Due to a high amount of "Moly" (molybdenum) in its composition, this material resists breakdown under high heat. Under most circumstances, M-2 should last 1.5 times longer than D-2.

Part #	Width	Half Thick	Half Length
158219	.320" (8.13 mm)	–	–
158220	.320" (8.13 mm)	1/2 Thick	–
158221	.650" (16.5 mm)	–	–
158222	.650" (16.5 mm)	1/2 Thick	–
158223	.810" (20.6 mm)	1/2 Thick	–
158224	.810" (20.6 mm)	1/2 Thick	–
158225	1.064" (27.0 mm)	–	–
158226	1.064" (27.0 mm)	1/2 Thick	–
158227	1.275" (32.4 mm)	–	–
158228	1.275" (32.4 mm)	1/2 Thick	–

dispersed. Under these conditions, the final product has a very uniform grain structure with few or no clumps of carbides that can chip away.

Part #	Width	Half Thick	Half Length
158229	.320" (8.13 mm)	–	–
158230	.320" (8.13 mm)	1/2 Thick	–
166696	.650" (16.5 mm)	–	–
158231	.810" (20.6 mm)	–	–
158232	.810" (20.6 mm)	1/2 Thick	–
176341	.810" (20.6 mm)	–	1/2 Length
158233	1.064" (27.0 mm)	–	–