





# METAL CHIP EVALUATION

# BAND SAW BLADES EXPRESS

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## Using Metal Chips to Troubleshoot

You can improve the productivity of your metal cutting operation by paying close attention to the chips made by the blade cutting through metal. This chart shows some of the common problems that can be discovered and solved by paying attention to chips

Chip Form	Chip Condition	Chip Color	Blade Speed	Blade Feed Rate	Other
	Thick, Hard and Short	Blue or Brown	Decrease ↓	Decrease ↓	Check Cutting Fluid & Mix
	Thin and Curled	Silver	Suitable ✓	Suitable ✓	
	Powder	Silver	Decrease ↓	Increase ↑	
	Thin and Tightly Curled	Silver	Suitable ✓	Decrease ↓	Check Tooth Pitch

### BRONZE

Most	230	6 - 9	205	10 - 12	180	10 - 12	140	7 - 9
Aluminum Bronze	100	2 - 4	95	3 - 4	85	3 - 5	70	3 - 4

### ALUMINUM

Most	800		700		600		500	
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