Sawblade Tooth Shapes

1/26/21

Tooth Name	Tooth code	Applications	Materials	Machines
Flat	F - Flat Top	Grooving	Panel materials cutting with the feed / Solid wood cutting with or against the feed	Table saws, moulders, DET, SET, Banders
		Scoring in conjunction with a Hogger	Wood based panels like MDF & Particleboard. Laminated or Raw. Cutting with the feed.	DET, SET,
Alternate Top bevel	ATB - Alternate Tip Bevel	Cross cutting	Solid wood across the grain	Table saws, chop & miter saws
		Panel sizing plywwod	Wood plywood with veneer along and across the surface veneer grain	Table saws, horizontal and vertical beam saws
		Edgeband trimming - snip saws	Trimming solid wood edgebands typically thicker bands 1.0mm+	Edgebanders
Combination	G3 - ATB Flat (1LH, 1RH, F in a repeating pattern)	All / General purpose (Tradesman level)	All laminated wood based panels including plywood. Also solid wood along and across the grain	Table saws - Very common in small wood shops
Hollowground with Inverted V-Flat	DA-D - Hollow Ground	Panel sizing single sheets without scoring	Laminated panel materials when scoring is not possible. Additionally, on some vertical panel saws when cutting quality needs to be the best possible. The hollow face pulls wood chips to center of tip. The inverted V helps with tracking. Very little chipping without a score saw	Table saws and Vertical panel saws when scoring is not possible or not clean enough.
G5	G5 - RH,LH,RH,LH, Flat with Alternating Face Shear	Very clean cuts in panels and solid wood across grain	Wood based panels as well as solid woods - Best in cross grain applications. Top bevel and alternating face shear provides very clean cuts	Table saws / Chop Miter saws
Inverted V - Flat	DA-F - Hollow Ground	Panel sizing with tracking center tooth	Wood based panels like MDF & Particleboard. Laminated or Raw. The inverted V helps the blade track through the material. Not commonly used - Specialty Blade	Horizontal and vertical beam saws
Triple Chip - Flat	TR/F - Triple Chip / Flat	Panel materials typically in conjunction with a score saw	Wood based panels like MDF & Particleboard. Laminated or Raw.	Table saws, Horizontal and Vertical beam saws
G6	G6 - TC, Flat w/ Chamfers with a repeating pattern of 6 teeth	Panel materials typically in conjunction with a score saw	Wood based panels like MDF & Particleboard. Laminated or Raw. The chamfers on the flat tips are in line with the Triple chip teeth. This means all teeth are finish cutting.	Horizontal Beam Saws
Top Bevel	ES - One Way Bevel	Split score saws	2 pc. split blade. ES bevel one way saws when assembled cut like an ATB when scoring. For all wood based panels cutting with the feed	Sliding Table saws, A few Beam saws with jump score and a few vertical panel saws
Conical - Flat	KO/F - Conical Flat	Scoring	All laminated wood based panels.	Horizontal Beam Saws
Conical - ATB	KO/WS - Conical ATB	Scoring	All laminated wood based panels. The ATB top has very low cutting forces and will not cause damages to edgebanded panels being sawn through	Horizontal Beam Saws
Top Bevel Left	ES/L - One Way Bevel Left	Edgeband trimming - snip saws	Trimming solid wood edgebands typically thinner bands less than 1.0mm. All teeth point one way to the Left	Edgebanders
Top Bevel Right	ES/L - One Way Bevel Right	Edgeband trimming - snip saws	Trimming solid wood edgebands typically thinner bands less than 1.0mm. All teeth point one way to the Right	Edgebanders
G7	G7 - Alternating ATB with Chamfers with a repeating patern of 7 teeth	Trimming and miter cuts in thin wall extrusions	Aluminum and PVC	Chop, Trim, Miter saws