

### Powerband M-42

Powerband is the ideal general purpose metal sawing blade.

**Material:** This bi-metal blade has a high speed steel cutting edge (contains 8% cobalt) welded to an alloy steel back. This steel resists heat, abrasion and shock which allows faster cutting rates over a wide range of materials.

**Versatility:** Available in a wide range of thicknesses and widths. Can be used on horizontal machines and light-duty vertical machines equally well. The blade is the choice for contour cutting and general purpose cutting.

Coils are furnished in 100', 150' and 250' (30, 45 and 76m) lengths as listed. Blades are also furnished welded, in convenient lengths ready to use.



#### Rake Cuts these shapes

##### Positive



##### Straight (Zero)



#### Shape

**Regular** – Conventional tooth for general purpose sawing, straight zero rake.



**Hook** – 10° positive rake for fast cutting of non-ferrous metals and non-metallics.



#### Pitch

**Constant** – Usually for general purpose cutting.

**Variable** – Reduces noise levels and vibration; cuts structurals, tubing and solids smoothly, quickly.

#### Constant Pitch Selection

Cross Section Thickness To Be Cut		Use Constant Pitch
Inch	mm	
1/4"-7/8"	6.4-22mm	14
3/8"-1 1/4"	9.5-35mm	10
1/2"-1 1/2"	13-40mm	8
1"-2"	25-50mm	6

#### Variable Pitch Selection

Cross Section Thickness To Be Cut		Use Variable Pitch
Inch	mm	
1/4"-1 1/4"	6.4-35mm	10-14
11/32"-1 1/2"	9-40mm	8-12
3/8"-2"	9.5-50mm	6-10
1/2"-2 3/8"	13-60mm	5-8
1"-3"	25-75mm	4-6
1 1/2"-4"	38-100mm	3-4
2"-6"	50-150mm	2-3

Specifications on next page.

## Powerband M-42

### Specifications

Width x Thickness		Tooth Shape	Pitch & Rake*	EDP No.		
Inch	mm			100' (30m)	150' (45m)	250' (76m)
1/4" x .025"	6.5 x 0.65mm	Hook	6P-HP	15833		
			Regular	10/S	21518	
		14/S		21524		
		10-14/S		15835		
		14-18/W	16092			
1/4" x .035"	6.5 x 0.90mm	Hook	6P-HP	15834		
			Regular	10/S	13954	
		14/S		13953		
		10-14/S	15391			
3/8" x .025"	10 x 0.65mm	Hook	4P-HP	15836		
			Regular	6P-HP	15838	
		10/S		21532		
		14/S		21534		
		8-12/S		15840		
		10-14/S		15841		
		14-18/W	16093			
3/8" x .035"	10 x 0.90mm	Hook	4P-HP	15837		12107
			Regular	6P-HP	15839	
		8/S		13956		
		10/S		19435		
		14/S		13958		
		10-14/S	15394			
1/2" x .020"	13 x 0.50mm	Regular	10/S	11410		
			14/S	19437		
			18/W	19438		
			24/W	19439		
			10-14/S	19440		
			14-18/W	19441		
1/2" x .025"	13 x 0.65mm	Hook	4P-HP	15843		
			Regular	6P-HP	15844	
		10/S		21486		
		14/S		19525		
		18/W		15847		
		6-10/S		21491		
		8-12/S		15845		
		10-14/S		15846		
		14-18/W	16094			
1/2" x .035"	13 x 0.90mm	Hook	3P-LP	15842		
			4P-HP	19450		
			6P-HP	19451		
		Bearcat	4/P	13148		
			6/P	12528		

**\*KEY:** P = Positive Rake HP = High Profile Teeth S = Straight (Zero) Rake LP = Low Profile Teeth W = Wavy Set, Zero Rake

**NOTE:** 150' and 250' (45, 76m) coils are shipped random lengths which may vary plus or minus 10%.

## Powerband M-42 (continued)

### Specifications

Width x Thickness		Tooth Shape	Pitch & Rake*	EDP No.			
Inch	mm			100' (30m)	150' (45m)	250' (76m)	
1/2" x .035"	13 x 0.90mm	Regular	6/S	13959			
			8/S	13960			
			10/S	13961			
			14/S	13962			
			6-10/P	13269			
			6-10/S	21514			
			8-12/S	13980			
3/4" x .035"	19 x 0.90mm	Hook	3P-LP	21359	15848	15849	
		Regular	6/S	21239	13963	13970	
			8/S		13964	13971	
			10/S	21241	13965	13972	
			14/S	21339	14352	15850	
			4-6/S	21242	13088	13089	
			5-8/S	10184	13981	13987	
			6-10/S	21243	13090	13091	
			8-12/S	21346	13982	13988	
			10-14/S	21338	15402	15403	
1" x .035"	25 x 0.90mm	Bearcat	6P		11715	13045	
		Regular	6/S		13966	13973	
			8/S		13967	13974	
			10/S	21250	13968	13975	
			14/S			11580	
			2-3/S			15789	15790
			3-4/S			14933	14934
			4-6/S	21248	13027	13062	
			5-8/S		13983	13989	
			6-10/S	21253	13028	13064	
			8-12/S		13984	13990	
10-14/S	21254	15415	15416				
1 1/4" x .042"	32 x 1.10mm	Regular	2-3/S		15791	16361	
			3-4/S		14618	16363	
			4-6/S		13029	16365	
			5-8/S		13985	16367	
			6-10/S		13030	16368	
			8-12/S		16739		
1 1/2" x .050"	38 x 1.30mm	Regular	2-3/S		15792		
			3-4/S		14935		
			4-6/S		13261		
			5-8/S		16740		
2" x .050"	50 x 1.30mm	Regular	3-4/S		15855		
			4-6/S		15856		
2" x .063"	50 x 1.60mm	Regular	3-4/S		15583		
			4-6/S		15584		

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