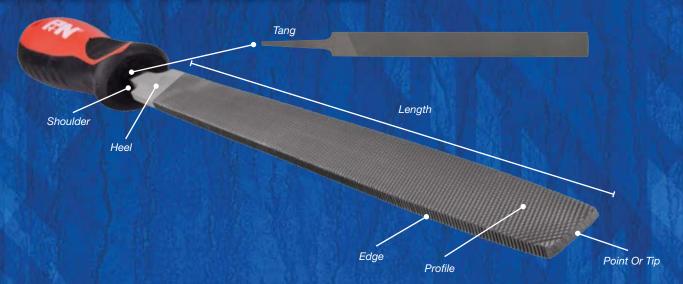






CHOOSING THE RIGHT FILE



1 Profile

The profile of your file should be the first consideration in tool selection. Choose a profile that best matches your application.



Flat: Multi-purpose use on flat and curved external surfaces.

Designed for smoothing, removing burrs & sharp edges. For filing slots, keyways, splines and the inside

Square: For filing slots, keyways, splines and th corners of rectangular or square holes.

Round: For filing & enlarging holes, circular or rounded grooves. Half-round: For multi-purpose use on concave surfaces, crevices & the

rounding out of holes. Can also be used on the flat face. **Triangular:** Used for sharpening saw teeth & internal corners.

2 Length

Desired stroke length will determine the length of the file. This is measured exclusive of the tang, from point to heel.

3 Cut

These cuts are selected according to the material of the workpiece, the desired removal of material and the surface finish.

Single Cut: Single cut files (mostly all saw files are single cut) are used for sharpening and edging applications.

Double Cut: Need less effort for filing & also gives a

good surface finish.

Rasp Cut: Special cut formation for rapid stock removal from

surface of softer materials like wood or leather.

4 Coarseness



Smooth Cut: Fine finish. For smooth surface finish.



Medium to coarse finish. For moderate stock removal.



Bastard Cut: Coarse finish. For stock removal.

How to use a file correctly

There are three methods to use a file:

Straight filing: Pushing the file lengthwise (straight ahead

or slightly diagonally) across the workpiece.

Draw filing: Holding the file at each end, pushing

and drawing it across the workpiece.

Lathe filing: Holding the file against the workpiece in a lathe.

Holding the file

Single Handed Operation:

Hold with the handle resting in your palm with your forefinger at the top of the handle pointing to the tip.

Two Handed Operation:

Hold with the handle resting in your palm with your thumb at the top of the handle pointing to the tip.

Grip the point of the file in the other hand between the thumb and the first two fingers with the thumb being on the top of the file.

Helpful Hints

- Hold the workpiece in a vice at a suitable height to apply adequate pressure.
- To prevent damage to workpiece, use protectors between the workpiece and vice jaws.
- When heavy pressure is required, hold file at tip with thumb pointing forward in line with the file. For lighter pressure, place thumb at right angles to file.
- File on forward stroke only, lifting on back stroke to prevent damaging the file.

Care of the file

- A new file should be used with light pressure in the beginning, preferably on a surface which has been filed earlier.
- Keep file stored away from any water or grease.
- Retain the file packaging, or wrap the file in a cloth for protection.
- Use a wire brush to clean the file teeth.
- Do not use oil on the file.



FILE SELECTOR

DEN	Flat File	For general work on iron, steel, etc.
O FN	Half Round File	For flat, concave and convex surfaces.
O FIN	Square File	For filing slots, key seats and general surface filing.
O PN	Round File	For circular openings and concave surfaces.
O FIN	One Round Edge Mill File	For sharpening saws and other tools that require a fine finish. The round edge also allows the filing of saw gullets.
O FN	Two Square Edge Mill File	For sharpening saws and other tools that require a fine finish.
DEN	Three Square Edge Mill File	For sharpening saws and other tools that require a fine finish.
O FIN	Slim Taper	For sharpening hand saws.
D EN	Hand Files	General purpose parallel edge file for flat surfaces, sharp corners and deburring.
O FIN	Chainsaw File	For sharpening round, hooded chainsaw teeth.
O FIN	Warding File	Locksmiths file for ward notches in keys and narrow places. For narrow slots, toolmaking and hobby applications.
O FIN	Long Angle Lathe File	Rapid, free cutting files designed for lathe filing.
	Contact Point	For cleaning electrical contacts such as engine distributor points, spark plugs and switches
O PRN O	Wood Rasp	For use on wood and soft metals. Multi-purpose rasp for use on concave surfaces and crevices, and the rounding out of holes.
O FIN	Cabinet Rasp	Punched teeth for rapid removal of soft materials - wood, soft plastics, fibreglass, soft metals. Gives a finer finish than wood rasp.
O FN	Horse Rasp	Double ended, rasp teeth on one side, file teeth on other. Ideal for shoeing racetrack and riding horses.







ENGINEERS FILES



Engineers Flat

For flat and curved external surfaces. Designed for smoothing, removing burrs and sharp edges.



Discount Group: Z0402

Length	W		Bulk			Bulk / Unh	andled				Single Pack / Handled					
Lengui	W		Qty	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	
Engine	ers Fla	t		Bast	ard	2nd (Cut	Smo	oth	Bast	ard	2nd (Cut	Smo	oth	
100	12	3	12	-	-	300AC0042	\$20.29	-	-	-	-	-	-	-	-	
150	16	4	12	300AC0061	\$16.98	300AC0062	\$16.42	300AC0063	\$22.65	300AC1061	\$21.98	300AC1062	\$22.24	-	-	
200	20.5	4.45	12	300AC0081	\$19.25	300AC0082	\$21.03	300AC0083	\$24.06	300AC1081	\$22.24	300AC1082	\$34.90	300AC1083	\$28.56	
250	25	5.80	12	300AC0101	\$25.45	300AC0102	\$26.40	300AC0103	\$32.05	300AC1101	\$28.56	300AC1102	\$29.48	300AC1103	\$35.14	
300	29.8	6.1	6	300AC0121	\$33.12	300AC0122	\$36.21	300AC0123	\$45.27	300AC1121	\$34.20	300AC1122	\$49.60	300AC1123	\$50.92	
350	35.5	7.1	6	300AC0141	\$53.86	300AC0142	\$59.79	300AC0143	\$63.68	-	-	-	-	-	-	
				Alumii	nium	Magic	Cut			-	-	-	-	-	-	
250	25	5.8	6	-	-	300AM0104	\$57.53	-	-	-	-	-	-	-	-	
300	29.8	6.1	6	300AN0120	\$55.94	300AM0124	\$71.08	-	-	-	-	-	-	-	-	



Engineers Half Round

Multi-purpose file for use on concave surfaces and crevices and the rounding out of holes.



Discount Group: Z0402

Length	W	- +	Bulk		Bulk / Unhandled						Single Pack / Handled						
Lengui	W	<u>'</u>	Qty	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price		
Engine	eers Half	Round		Basta	ard	2nd (Cut	Smo	oth	Basta	ard	2nd (Cut	Smoo	oth		
100	12	4	12	300AE0041	\$27.47	300AE0042	\$28.14	300AE0043	\$30.75	-	-	-	-	-	-		
150	16.1	4.7	12	300AE0061	\$22.83	300AE0062	\$24.06	300AE0063	\$24.88	-	-	-	-	-	-		
200	19.8	5.9	12	300AE0081	\$27.36	300AE0082	\$28.94	300AE0083	\$30.56	300AE1081	\$30.37	300AE1082	\$31.96	300AE1083	\$33.57		
250	24.6	7.3	12	300AE0101	\$37.73	300AE0102	\$39.61	300AE0103	\$40.57	300AE1101	\$40.82	300AE1102	\$34.16	-	-		
300	29.55	8.6	6	300AE0121	\$49.06	300AE0122	\$50.92	300AE0123	\$56.28	300AE1121	\$44.24	300AE1122	\$72.19	-	-		
350	34.5	10	6	300AE0141	\$69.81	300AE0142	\$72.07	-	-	-	-	-	-	-	-		



Engineers Square

For filing slots, keyways, splines and the inside corners of rectangular or square holes.



Discount Group: Z0402

Length	W	т .	Bulk			Bulk / Unh						Single Pack			
Lengui	W	' '	Qty	Item #	List Price	ltem #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
Engin	eers Sq	uare		Bast	ard	2nd (Cut	Smo	oth	Bast	ard	2nd	Cut	Smo	ooth
150	6	6	12	300AJ0061	\$19.25	300AJ0062	\$21.11	300AJ0063	\$23.05	300AJ1061	\$21.87	-	-	-	-
200	7.7	7.7	12	300AJ0081	\$22.07	300AJ0082	\$23.02	300AJ0083	\$26.89	300AJ1081	\$25.09	-	-	-	-
250	9.6	9.6	12	300AJ0101	\$27.36	300AJ0102	\$29.25	300AJ0103	\$37.18	300AJ1101	\$30.45	-	-	-	-
300	12.2	12.2	6	300AJ0121	\$42.60	300AJ0122	\$47.34	-	-	-	-	-	-	-	-



Engineers Round

For filing and enlarging holes, circular or rounded grooves.



Discount	Group:	Z0402

Length	W	T	Bulk			Bulk / Unh				Single Pack / Handled						
Lengui	W		Qty	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	
Engin	ers Ro	und		Basta	ard	2nd 0	Cut	Smo	oth	Basta	ard	2nd (Cut	Smoo	oth	
100	3.8	3.8	12	300AG0041	\$16.50	300AG0042	\$17.34	300AG0043	\$18.50	-	-	-	-	-	-	
125	5	5	12	300AG0051	\$23.05	-	-	-	-	-	-	-	-	-	-	
150	6.3	6.3	12	300AG0061	\$16.05	300AG0062	\$16.98	300AG0063	\$19.81	300AG1061	\$18.68	-	-	-	-	
200	7.15	7.15	12	300AG0081	\$19.25	300AG0082	\$20.43	300AG0083	\$22.24	300AG1081	\$22.24	-	-	-	-	
250	9.25	9.25	12	300AG0101	\$23.23	300AG0102	\$24.52	300AG0103	\$27.44	300AG1101	\$26.32	300AG1102	\$29.26	300AG1103	\$29.48	
300	12	12	6	300AG0121	\$29.61	300AG0122	\$34.90	300AG0123	\$38.69	300AG1121	\$32.84	-	-	300AG1123	\$34.20	





1 Edge Round Mill

For sharpening saws and other tools that require a fine finish. The round edge also allows the filing of saw gullets.



Discount Group: Z0402

Length	W	T	Bulk Qty	Item #	List Price	Bulk / Un Item #	handled List Price	Item #	List Price
1 Edge	Round	Mill		Bast	ard	2nd	Cut	Sm	ooth
200	20.4	3.5	12	300CC0081	\$24.06	-	-	-	-
250	25.1	4.8	12	300CC0101	\$34.31	-	-	-	-
300	30.3	5.3	6	300CC0121	\$46.20	-	-	-	-

Single Pack / Handled								
Item #	List Price	Item #	List Price	Item #	List Price			
Bas	tard	2nd	l Cut	Sm	ooth			
300CC1081	\$27.07	-	-	-	-			
300CC1101	\$37.41	-	-	-	-			
300CC1121	\$49.44	-	-	-				



2 Edge Square Mill

For sharpening saws and other tools that require a fine finish.



Discount Group: Z0402

Lenath	W	Т	Bulk			Bulk / Unh	andled		
Lengui	W		Qty	Item #	List Price	Item #	List Price	Item #	List Price
2 Edge	Squar	e Mill		Bast	ard	2nd (Cut	Smoo	oth
150	16	3	12	300CA0061	\$16.98	-	-	-	-
200	20.4	3.5	12	300CA0081	\$24.81	-	-	-	-
250	25.1	4.8	12	300CA0101	\$32.05	300CA0102	\$31.98	-	-
300	30.3	5.3	6	300CA0121	\$37.73	300CA0122	\$39.52	300CA0123	\$42.83
350	36	6.5	6	300CA0141	\$66.57	-	-	-	-

		Single Pack			
Item #	List Price	Item #	List Price	ltem #	List Price
Basta	ard	2nd	l Cut	Sm	ooth
300CA1061	\$19.62	-	-	-	-
300CA1081	\$27.82	-	-	-	-
300CA1101	\$35.14	-	-	-	-
300CA1121	\$40.95	-	-	-	-



3 Edge Square Mill

For sharpening saws and other tools that require a fine finish.

Discount Group: Z0402

Length	W	т	Bu	k		Bulk / Unh						Single Pack			
Longin		•	Qt	/ Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
3 Edge	Squa	re Mill		Ba	stard	2nd	Cut	Smo	ooth	Bast	tard	2nd	Cut	Sme	ooth
150	12		13	300BA006	1 \$20.74	300BA0062	\$24.71	300BA0063	\$27.16	-	-	-	-	-	-
200	15		13	300BA008	1 \$26.78	300BA0082	\$31.42	300BA0083	\$32.05	-	-	-	-	-	-
250	19		13	300BA010	1 \$43.85	300BA0102	\$40.87	300BA0103	\$48.53	-	-	-	-	-	-



Slim Taper

For sharpening saws with a 60° tooth angle.



Discount Group: Z0402	Discount	Group:	Z0402
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Length	W	Т	Bulk	Hans #	Link Dulan	Bulk / Unh		Harry #	Link Bring	Danie #		Single Pack		Hans #	Link Duine
, in the second			Qty		List Price	Item #	List Price	Item #	List Price		List Price	Item #	List Price		List Price
Slim Ta	aper			Basta	ard	2nd	Cut	Sm	ooth	Basta	ırd	2nd	Cut	Smo	ooth
100	6.1		12	300BE0040	\$17.15	-	-	-	-	300BE1040	\$19.81	-	-	-	-
110	7.2		12	300BE0045	\$18.87	-	-	-	-	-	-	-	-	-	-
125	7.2		12	300BE0050	\$17.18	-	-	-	-	-	-	-	-	-	-
150	8.8		12	300BE0060	\$17.15	-	-	-	-	300BE1060	\$19.81	-	-	-	-
175	10.5		12	300BE0070	\$21.36	-	-	-	-	-	-	-	-	-	-
200	12		12	300BE0080	\$25.45	-	-	-	-	300BE1080	\$28.47	-	-	-	-
Extra	a Slim Ta	aper													
100	5.0		12	300BG0040	\$15.70	-	-	-	-	-	-	-	-	-	-
150	7.2		12	300BG0060	\$18.31	-	-	-	-	-	-	-	-	-	-

SPECIAL FILES



Hand Files

General purpose parallel edge file for flat surfaces, sharp corners and deburring. Features one safe edge to prevent damage when filing into corners.

Discount Group: Z0402

Longth	Length W T					Bulk / Unh						Single Pack			
Lengu	VV	1	Qty	Item #	List Price	Item #	List Price	Item #	List Price	Item	# List Price	Item #	List Price	Item #	List Price
Hand Files			Bast	ard	2nd	Cut	Smo	oth		Bastard	2nd	Cut	Sme	ooth	
150	16	4	12	300AB0061	\$19.10	300AB0062	\$17.97	300AB0063	\$23.97	-	-	-	-	-	-
200	20.5	4.45	12	300AB0081	\$21.24	300AB0082	\$24.75	300AB0083	\$25.20	-	-	-	-	-	-
250	25.0	5.80	12	300AB0101	\$28.14	300AB0102	\$29.16	300AB0103	\$34.47	-	-	-	-	-	-
300	29.8	6.1	6	300AB0121	\$34.36	300AB0122	\$48.26	300AB0123	\$49.06	-	-	-	-	-	-



Chainsaw Files

For sharpening chainsaws. Matched to specific chain sizes, the round edge allows the filing of saw gullets.



Discount Group: Z0402

Diameter	Length	Bulk	Bulk / L	Inhandled	Single Pac	k / Handled
Diameter	Longui	Qty	Item #	List Price	Item #	List Price
Chainsaw File	S					
1/8	200	12	300DA0460	\$5.55	-	-
5/32	200	12	300DA0580	\$6.68	300DA1580	\$9.69
3/16	200	12	300DA0680	\$6.68	300DA1680	\$9.69
7/32	200	12	300DA0780	\$6.68	300DA1780	\$9.69
1/4	200	12	300DA0880	\$6.68	300DA1880	\$9.69



Warding Files

For narrow slots, toolmaking and hobby applications.



Discount Group: Z0402

Length	W	T	Bulk Qty	Item #	List Price	Bulk / Unh Item #	andled List Price	Item #	List Price	Item #	List Price	Single Pack Item #	/ Handled List Price	Item #	List Price
Wardi	Warding Files			Bast	ard	2nd (Cut	Smo	oth	Bast	ard	2nd	Cut	Smo	ooth
100	12.1	1.4	12	300AH0041	\$23.62	300AH0042	\$24.75	300AH0043	\$30.85	-	-	-	-	-	-
150	16.4	2.3	12	300AH0061	\$26.01	300AH0062	\$26.40	300AH0063	\$33.93	300AH1061	\$28.65	-	-	-	-
200	20.5	2.9	12	300AH0081	\$34.16	300AH0082	\$34.16	300AH0083	\$44.24	-	-	-	-	-	-



Long Angle Lathe Files

Rapid, free cutting files designed for lathe filing.

Discount Group: Z0402

10	Length W T		Bulk			Bulk / Un	handled					Single Pack	/ Handled				
Le	ngui	W			Qty	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
L	ong A	ingle La	athe Fi	iles		Bast	ard	2nd	Cut	Sm	ooth	Bas	tard	2nd	Cut	Sme	ooth
3	300	29.8	6.1		6	300AL0121	\$44.60	-	-	-	-	-	-	-	-	-	-



Contact Point

For cleaning electrical contacts such as engine distributor points, spark plugs and switches

Discount	Group:	Z0402
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Longth	1AZ	- +		Bulk			Bulk / Un	handled					Single Pack	(/ Handled		
Lengui	W	. !		Qty	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
Contact Point				Bast	ard	2nd	Cut	Sm	ooth	Bas	tard	2nc	d Cut	Sm	ooth	
133	11	1		12	300AP0050	\$12.32	-	-	-	-	-	-	-	-	-	-





Wood Rasp Half Round

Multi-purpose rasp for use on concave surfaces and crevices, and the rounding out of holes.



Discount Group: Z0402

Longth	Length W T Bulk Bulk / Unhandled									Single Pack					
Lengui	۷V		Qty	Item #	List Price	ltem #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
Wood	Rasp Ha	alf Roun	d	Bast	ard	2nd	Cut	Sm	ooth	Bast	ard	2nd	Cut	Sme	ooth
200	19.8	5.9	12	300EA0081	\$44.33	-	-	-	-	300EA1081	\$47.33	-	-	-	-
250	24.6	7.3	12	300EA0101	\$48.11	-	-	-	-	300EA1101	\$51.19	-	-	-	-
300	29.55	8.6	6	300EA0121	\$67.90	-	-	-	-	300EA1121	\$71.12	-	-	-	-
350	34.5	10	6	300EA0141	\$78.99	-	-	-	-						



Cabinet Rasp

Punched teeth for rapid removal of soft materials – wood, soft plastics, fibreglass, soft metals. Gives finer finish than wood rasp.



7		finisi	n than w	vood rasp.							Di	scount Gro	up: Z0402		
Length W T Bulk Otty Item # List Price Item # Li										Item #	List Price	Single Pack Item #	/ Handled List Price	Item #	List Price
Cabinet Rasp				Basta	ard	2nd (Cut	Sm	ooth	Basta	ard	2nd	Cut	Smo	oth
200	23.5	4.5	12	300EC0081	\$46.20	300EC0082	\$49.61	-	-	300EC1081	\$49.20	-	-	-	-
250	29	6	12	300EC0101	\$49.98	300EC0102	\$56.38	-	-	300EC1101	\$53.07	-	-	-	-
300	34.5	6.5	6	-	-	300EC0122	\$76.73	-	-	-	-	-	-	-	-



Horse Rasp

Double ended, rasp teeth on one side, file teeth on other. Ideal for shoeing racetrack and riding horses.





300EH0142

Discount Group: Z0402

Discount Group: Z0402

Leng	th W		т 1	Bulk			Bulk / Unh						Single Pack			
Long	ui vv	_		Qty	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price	Item #	List Price
Hor	se Rasp	р			Tang	jed	No Ta	ıng								
350	42	2	5.5	6	300EH0141	\$62.25	300EH0142	\$62.25	-	-	-	-	-	-	-	-

HANDLE RANGE



Handles (Bulk)

Economy range. Designed to suit the complete range of P&N Files.



Handles (Single Pack)

Soft grip. Designed to suit the complete range of P&N Files.

Discount	Group:	Z0402
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File Length	Qty	Item #	Barcode	List Price
Bulk				
100	12	300H00004	9311744156610	\$2.66
150	12	300H00006	9311744156627	\$2.66
200	12	300H00008	9311744156634	\$3.02
250	12	300H00010	9311744156641	\$3.08
300	12	300H00012	9311744156658	\$3.24

File Length	Qty	Item #	Barcode	List Price		
Hang Pack						
100	1	300SGK003	9311744436859	\$2.45		
150	1	300SGK004	9311744436866	\$3.71		
200-250	1	300SGK005	9311744436873	\$4.96		
300	1	300SGK006	9311744436880	\$6.22		

SETS & ACCESSORIES











300SE0065 300SE0083 300SET004 300SE0085 300SE0105

Discount Group: Z0402

Length (mm)	Contents	Pieces	Item #	Barcode	List Price			
File Sets								
150	Bastard: Flat, Round, Millsaw 2nd Cut: Half Round, Square	5	300SE0065	9311744445554	\$113.71			
200	Bastard: Flat, Round 2nd Cut: Half Round	3	300SE0083	9311744445141	\$103.09			
200	Bastard: Flat, Half Round, Round, Square	4	300SET004	9311744438129	\$118.17			
200	Bastard: Flat, Round, Millsaw 2nd Cut: Half Round, Square	5	300SE0085	9311744445158	\$140.09			
250	Bastard: Flat, Round, Millsaw 2nd Cut: Half Round, Square	5	300SE0105	9311744445165	\$174.40			
Needle File Set								
160	File Handle, Warding-flat, Three Square, Flat, Square, Round, Half Round	7	386911607	93117444438136	\$57.75			

Discount Group: Z0102

Length (mm)	Contents	Pieces	Item #	Barcode	List Price
Accessories					
190	Metal File Brush	1	300FB1955	9311744445653	\$16.61







386911607 300FB1955

suttontools

Needle Files

Sutton Tools Needle Files are a range of premium quality, Swiss made files. Available in a range of profiles including pillar, half round, crossing, knife edge, warding, three square, square, oval, round, barrette, crochet and pillar. Features a smooth cut design for a fine surface finish.



	Discount Gr					
Shape	Style	Length	Qty*	Item #	Barcode	List Price
With integrate	ed, round ha	andle				
	Pillar	160	12	M305 M001	9311963708744	\$8.96
	Half Round	160	12	M305 M002	9311963708751	\$11.86
No. of the last of	Crossing	160	12	M305 M003	9311963708768	\$13.33
annananana annananananan	Knife Edge	160	12	M305 M005	9311963708775	\$14.57
	Warding	160	12	M305 M006	9311963708782	\$10.23
	Three Square	160	12	M305 M007	9311963708799	\$12.29
	Square	160	12	M305 M008	9311963708805	\$12.29
	Oval	160	12	M305 M009	9311963708812	\$14.57
	Round	160	12	M305 M010	9311963708829	\$10.82
	Barrett	160	12	M305 M011	9311963708836	\$12.29
Миницин	Crochet	160	12	M305 M015	9311963708850	\$13.54
	Pillar (Round Edges)	160	12	M305 M016	9311963708867	\$11.86





1 ea: M001, M002, M006, M007, M008, M010	Needle File Sets	Pieces	Item #	Barcode	List Price
1 ea: M001, M002, M003, M005, M006, M007, M008, M009,	1 ea: M001, M002, M006, M007,	6	M305 M020	9311963708959	\$76.92
M015, M016	1 ea: M001, M002, M003, M005, M006, M007, M008, M009, M010, M011,	12	M305 M060	9311963708966	\$158.04

*Order in multiples of 12



