Section B Contents

Screw Tips

Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Arburg (Stepped Seat) Earlier Models			
Stub Nose			
18mm	10/1.5mm	**CAA18**	**CAA18FC**
22mm	12/1.75mm	**CAA22**	**CAA22FC**
25mm	12/1.75mm	**CAA25**	**CAA25FC**
30mm	14/1.5mm	**CAA30**	**CAA30FC**
35mm	18/1.5mm	**CAA35**	**CAA35FC**
40mm	18/1.5mm	**CAA40**	**CAA40FC**
45mm	22/1.5mm	**CAA45**	**CAA45FC**
Spear Nose			
18mm	10/1.5mm	**CAA18C**	**CAA18CFC**
22mm	12/1.75mm	**CAA22C**	**CAA22CFC**
25mm	12/1.75mm	**CAA25C**	**CAA25CFC**
30mm	14/1.5mm	**CAA30C**	**CAA30CFC**
35mm	18/1.5mm	**CAA35C**	**CAA35CFC**
40mm	18/1.5mm	**CAA40C**	**CAA40CFC**
45mm	22/1.5mm	**CAA45C**	**CAA45CFC**
Arburg (Flat Seat) Later Models			
Stub Nose			
18mm	10/1.5mm	**CAA18B**	**CAA18BFC**
22mm	12/1.75mm	**CAA22B**	**CAA22BFC**
25mm	12/1.75mm	**CAA25B**	**CAA25BFC**
30mm	14/1.5mm	**CAA30B**	**CAA30BFC**
35mm	18/1.5mm	**CAA35B**	**CAA35BFC**
40mm	18/1.5mm	**CAA40B**	**CAA40BFC**
45mm	22/1.5mm	**CAA45B**	**CAA45BFC**
Spear Nose			
18mm	10/1.5mm	**CAA18A**	**CAA18AFC**
20mm	10/1.5mm	**CAA20A**	**CAA20AFC**
22mm	12/1.75mm	**CAA22A**	**CAA22AFC**
25mm	12/1.75mm	**CAA25A**	**CAA25AFC**
30mm	14/1.5mm	**CAA30A**	**CAA30AFC**
35mm	18/1.5mm	**CAA35A**	**CAA35AFC**
40mm	18/1.5mm	**CAA40A**	**CAA40AFC**
45mm	22/1.5mm	**CAA45A**	**CAA45AFC**
Autojectors			
¾″	7/16″–14	**CAJ19**	**CAJ19FC**
1″	½″–13	**CAJ25**	**CAJ25FC**
1 ¼″	⅝″–11	**CAJ31**	**CAJ31FC**
1 ½″	¾″–10	**CAJ38**	**CAJ38FC**
1 ¾″	⅞″–9	**CAJ44**	**CAJ44FC**
2 ¾″	1 ¼″–7	**CAJ70**	**CAJ70FC**

SCREW TIPS

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Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Battenfeld			
22mm	12/1.75mm		**CAB22FC**
25mm	12/1.75mm	**CAB25**	**CAB25FC**
30mm	14/1.5mm	**CAB30**	**CAB30FC**
35mm	16/1.5mm	**CAB35**	**CAB35FC**
40mm	20/2mm	**CAB40**	**CAB40FC**
40mm	20/2mm	**CAB40A**	**CAB40AFC**
45mm	20/2mm	**CAB45A**	**CAB45AFC**
60mm	24/2mm	**CAB60**	**CAB60FC**
70mm	40/2mm	**CAB70**	**CAB70FC**
110mm	60/2.5mm	**CAB110**	**CAB110FC**
Beloit			
1 ¼″	⅝″–18	**CABL32**	**CABL32FC**
1 ½″	¾″–16	**CABL38**	**CABL38FC**
1 ¾″	⅞″–14	**CABL44**	**CABL44FC**
2 ⅛″	⅞″–9	**CABL54**	**CABL54FC**
2 ½″	1″–8	**CABL64**	**CABL64FC**
3″	1 ¼″–7	**CABL76**	**CABL76FC**
3 ½″	1 ¾″–5	**CABL89**	**CABL89FC**
***IN STOCK**	**Boy**		
14mm	8/1.25mm	**CAAB14**	**CAAB14FC**
16mm	8/1.25mm	**CAAB16**	**CAAB16FC**
18mm	10/1.5mm	**CAAB18**	**CAAB18FC**
*22mm	12/1.75mm	**CAAB22**	**CAAB22FC**
*24mm	12/1.75mm	**CAAB24**	**CAAB24FC**
*28mm	12/1.75mm	**CAAB28**	**CAAB28FC**
*32mm	14/2mm	**CAAB32**	**CAAB32FC**
*36mm	16/2mm	**CAAB36**	**CAAB36FC**
*38mm	16/2mm	**CAAB38**	**CAAB38FC**
*42mm	16/2mm	**CAAB42**	**CAAB42FC**
*48mm	18/2.5mm	**CAAB48**	**CAAB48FC**
Cincinnati Milacron (earlier models)			
1 ⅝″	⅝″–11	**CAC41**	**CAC41FC**
2″	¾″–16	**CAC51**	**CAC51FC**
2 ½″	1 ¼″–12		**CAC64FC**
2 ¾″	1 ¼″–12	**CAC70**	**CAC70FC**
3 ¼″	1 ½″–12	**CAC83**	**CAC83FC**
3 ½″	1 ½″–12	**CAC88**	**CAC88FC**

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SCREW TIPS

Screw Tips

Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Cincinnati Milacron (earlier models) cont.			
4½″	2″–12	CAC114	CAC114FC
5¼″	2¼″–12		CAC133FC
6″	2½″–12	CAC152	CAC152FC
Cincinnati Milacron (newer models)			
1⅝″	¾″–10	CAC41	CAC41FC
1¾″	⅝″–11	CAC44A	CAC44AFC
1¾″	¾″–10	CAC44	CAC44FC
2″	1″–8	CAD51	CAD51FC
2¼″	1″–8	CAD57	CAD57FC
2½″	1¼″–7	CAD64	CAD64FC
2¾″	1¼″–7	CAD70	CAD70FC
3¼″	1½″–6	CAD83A	CAD83AFC
3½″	1½″–6	CAD88	CAD88FC
4½″	2″–6	CAD114	CAD114FC
5¼″	2¼″–6	CAD133	CAD133FC
6″	2½″–6	CAD152	CAD152FC
Cincinnati Milacron (other models)			
28mm	16/2mm	CAC28	CAC28FC
32mm	18/2.5mm	CAC32	CAC32FC
1 5/16″	⅝″–11	CAC33	CAC33FC
35mm	18/2.5mm		CAC35FC
36mm	20/2.5mm	CAC36	CAC36FC
40mm	20/2.5mm	CAC40	CAC40FC
42mm	22/2.5mm	CAC42	CAC42FC
44mm	24/3mm	CAC44D	CAC44DFC
50mm	24/3mm	CAC50	CAC50FC
55mm	27/3mm	CAC55	CAC55FC
56mm	30/3.5mm	CAC56	CAC56FC
65mm	30/3.5mm	CAC65	CAC65FC
70mm	36/4mm	CAC70A	CAC70AFC
110mm	56/5.5mm	CAC110	CAC110FC
***IN STOCK**	**Demag**		
18mm	8/1.25mm	CADM18	CADM18FC
*22mm	10/1.5mm	CADM22	CADM22FC
*25mm	10/1.5mm	CADM25	CADM25FC
*30mm	12/1.75mm	CADM30	CADM30FC
*35mm	14/2mm	CADM35	CADM35FC
40mm	16/2mm	CADM40	CADM40FC
*45mm	TR20/3mm	CADM45	CADM45FC
*50mm	TR22/3mm	CADM50	CADM50FC
*60mm	TR27/3mm	CADM60	CADM60FC
*70mm	TR30/3mm	CADM70	CADM70FC
*80mm	TR35/3mm	CADM80	CADM80FC
95mm	TR40/3mm	CADM95	CADM95FC
110mm	TR50/3mm	CADM110	CADM110FC

SCREW TIPS

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Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Eagan			
1¾″	¾″–10	**CAE44**	**CAE44FC**
2″	⅞″–9	**CAE51**	**CAE51FC**
2½″	1⅛″–7	**CAE64**	**CAE64FC**
3″	1⅝″–6	**CAE76**	**CAE76FC**
3½″	1¾″–6	**CAE89**	**CAE89FC**
4″	2″–6	**CAE102**	**CAE102FC**
4½″	2¼″–6	**CAE114**	**CAE114FC**
5¼″	2¾″–6	**CAE133**	**CAE133FC**
6″	3″–6	**CAE152**	**CAE152FC**
***IN STOCK**	**Engel**		
18mm 10°	10/1.5mm	**CAEN18**	**CAEN18FC**
*22mm 30°	12/1.75mm	**CAEN22**	**CAEN22FC**
*25mm	12/1.75mm	**CAEN25**	**CAEN25FC**
*30mm	12/1.75mm	**CAEN30**	**CAEN30FC**
*35mm	12/1.75mm	**CAEN35**	**CAEN35FC**
*40mm	16/2mm	**CAEN40**	**CAEN40FC**
*45mm	20/2.5mm	**CAEN45**	**CAEN45FC**
*50mm	24/3mm	**CAEN50**	**CAEN50FC**
*55mm	24/3mm	**CAEN55**	**CAEN55FC**
*60mm	30/3.5mm	**CAEN60**	**CAEN60FC**
*70mm	36/4mm	**CAEN70**	**CAEN70FC**
*80mm	36/4mm	**CAEN80**	**CAEN80FC**
*90mm	42/4.5mm	**CAEN90**	**CAEN90FC**
*105mm	42/4.5mm	**CAEN105**	**CAEN65FC**
Fahr Bucher			
50mm	18/1.5mm	**CAFB50**	**CAFB50FC**
60mm	20/1.5mm	**CAFB60A**	**CAFB60AFC**
Farrel			
1¼″	½″–13	**CAL32**	**CAL32FC**
1⅝″	¾″–10	**CAL41**	**CAL41FC**
2.1″	1″–8	**CAU53**	**CAU53FC**
2½″	1″–8	**CAU64**	**CAU64FC**
2.80″	1⅜″–8	**CAU70**	**CAU70FC**
3¼″	1½″–8	**CAU83**	**CAU83FC**
3.60″	1⅝″–8	**CAU91**	**CAU91FC**
4¼″	2″–8	**CAU108**	**CAU108FC**
4¾″	2¼″–8	**CAU121**	**CAU121FC**
Fellows/Egan			
1¾″	¾″–10	**CAE44**	**CAE44FC**
2″	⅞″–9	**CAE51**	**CAE51FC**
2½″	1⅛″–7	**CAE64**	**CAE64FC**
3″	1⅝″–6	**CAE76**	**CAE76FC**

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SCREW TIPS

Screw Tips

Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Ferromatik Milacron			
25mm	12/1mm	**CAFM25**	**CAFM25FC**
30mm	16/1.5mm	**CAFM30**	**CAFM30FC**
40mm	—	**CAFM40**	**CAFM40FC**
***IN STOCK**	**HPM (new style)**		
1-3⁄8″	5⁄8″–11	**CAH35**	**CAH35FC**
*1-1⁄2″	5⁄8″–11	**CAH38**	**CAH38FC**
*1-3⁄4″	3⁄4″–10	**CAH44**	**CAH44FC**
*2"	7⁄8″–9	**CAH51**	**CAH51FC**
*2-1⁄2″	1–1⁄8″–7	**CAH64**	**CAH64FC**
*3″	1–5⁄8″–6	**CAH76**	**CAH76FC**
3-1⁄2″	1–3⁄4″–6	**CAH89**	**CAH89FC**
4-1⁄2″	2–1⁄4″–6	**CAHH114**	**CAHH114FC**
Impco			
2 3⁄8″	1 3⁄8″–6	**CAI60**	**CAI60FC**
2 1⁄2″	1 1⁄2″–6	**CAI64A**	**CAI64AFC**
2 13⁄16″	1 1⁄2″–8	**CAI71A**	**CAI71AFC**
3 1⁄4″	2″–8	**CAI83A**	**CAI83AFC**
4 1⁄4″	2 1⁄4″–4.5	**CAI108**	**CAI108FC**
4 3⁄4″	2 3⁄4″–4	**CAI121**	**CAI121FC**
Jaco			
1 1⁄4″	5⁄8″–11	**CAJ32**	**CAJ32FC**
***IN STOCK**	**JSW**		
25mm	12/1.75mm	**CAJS25**	**CAJS25FC**
*28mm	16/2mm	**CAJS28**	**CAJS28FC**
*32mm	16/2mm	**CAJS32**	**CAJS32FC**
32mm	18/2.5mm	**CAJS32A**	**CAJS32AFC**
*35mm	TR20/3mm	**CAJS35**	**CAJS35FC**
*40mm	TR22/2mm	**CAJS40**	**CAJS40FC**
*40mm	20/2.5mm	**CAJS40A**	**CAJS40AFC**
45mm	TR24/3mm	**CAJS45**	**CAJS45FC**
45mm	TR27/3mm	**CAJS45A**	**CAJS45AFC**
46mm	TR24/3mm	**CAJS46**	**CAJS46FC**
51mm	TR27/3mm	**CAJS51**	**CAJS51FC**
53mm	TR28/3mm	**CAJS53**	**CAJS53FC**
58mm	TR36/3mm	**CAJS58**	**CAJS58FC**
66mm	TR36/3mm	**CAJS66**	**CAJS66FC**
72mm	TR40/3mm	**CAJS72**	**CAJS72FC**
84mm	TR47/3mm	**CAJS84**	**CAJS84FC**
99mm	TR60/3mm	**CAJS99**	**CAJS99FC**

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SCREW TIPS

Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
*IN STOCK	JSW		
*25mm	12/1.75mm	CAJS25	CAJS25FC
*28mm	16/2mm	CAJS28	CAJS28FC
*32mm	16/2mm	CAJS32	CAJS32FC
32mm	18/2.5mm	CAJS32A	CAJS32AFC
*35mm	TR20/3mm	CAJS35	CAJS35FC
*40mm	TR22/2mm	CAJS40	CAJS40FC
*40mm	20/2.5mm	CAJS40A	CAJS40AFC
45mm	TR24/3mm	CAJS45	CAJS45FC
45mm	TR27/3mm	CAJS45A	CAJS45AFC
46mm	TR24/3mm	CAJS46	CAJS46FC
51mm	TR27/3mm	CAJS51	CAJS51FC
53mm	TR28/3mm	CAJS53	CAJS53FC
58mm	TR36/3mm	CAJS58	CAJS58FC
66mm	TR36/3mm	CAJS66	CAJS66FC
72mm	TR40/3mm	CAJS72	CAJS72FC
84mm	TR47/3mm	CAJS84	CAJS84FC
99mm	TR60/3mm	CAJS99	CAJS99FC
Kawaguchi			
27mm	TR13/2mm	CAK27	CAK27FC
28mm	TR15/1.5mm	CAK28B	CAK28BFC
30mm	TR15/2mm	CAK30	CAK30FC
32mm	18/2mm	CAK32	CAK32FC
34mm	20/2mm	CAK34	CAK34FC
36mm	TR20/2mm	CAK36	CAK36FC
37mm	TR20/2mm	CAK37	CAK37FC
40mm	TR20/2mm	CAK40	CAK40FC
42mm	TR24/3mm	CAK42	CAK42FCS
50mm	TR26/3mm	CAK50A	CAK50AFC
55mm	TR26/2mm	CAK55	CAK55FC
58mm	TR30/3mm	CAK58	CAK58FC
60mm	TR34/4mm	CAK60	CAK60FC
70mm	TR34/4mm	CAK70A	CAK70AFC
72mm	TR40/4mm	CAK72	CAK72FC

SCREW TIPS

Screw Tips

Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Klockner Ferromatik			
30mm	16/1.5mm	**CAKF30**	**CAKF30FC**
40mm	20/1.5mm	**CAKF40**	**CAKF40FC**
45mm	20/1.5mm	**CAKF45**	**CAKF45FC**
60mm	30/2mm	**CAKF60**	**CAKF60FC**
Krauss-Maffei			
40mm	20/2.5mm	**CAKM40**	**CAKM40FC**
Lester			
2 ½″	1 ⅜″–8	**CALS64**	**CALS64FC**
Lombard			
1 ⅝″	¾″–10	**CAL41**	**CAL41FC**
2″	1″–8	**CAL51**	**CAL51FC**
2 ½″	1 ¼″–7	**CAL64**	**CAL64FC**
2 ¾″	1 ⅜″–6	**CAL70**	**CAL70FC**
3″	1 ½″–6	**CAL76**	**CAL76FC**
3 ½″	1 ⅝″–8	**CAL89**	**CAL89FC**
***IN STOCK**	**Mitsubishi**		
36mm	22/2.5mm	**CAMI36**	**CAMI36FC**
45mm	27/3mm	**CAMI45**	**CAMI45FC**
*50mm	27/3mm	**CAMI50**	**CAMI50FC**
*57mm	33/3.5mm	**CAMI57**	**CAMI57FC**
70mm	39/4mm	**CAMI70**	**CAMI70FC**
80mm	44/4.5mm	**CAMI80**	**CAMI80FC**
120mm	60/5.5mm	**CAMI120**	**CAMI120FC**
Natco			
1 ⅞″	1 ⅛″–6	**CAN48**	**CAN48FC**
2 ¼″	1 ⅛″–6	**CAN57**	**CAN57FC**
70mm	1 ⅛″–6	**CAN70**	**CAN70FC**
90mm	1 ½″–6	**CAN91**	**CAN91FC**
105mm	1 ¾″–6	**CAN105**	**CAN105FC**
Negri Bossi (many other sizes not listed)			
25mm	10/1.5mm	**CANG25**	**CANG25FC**
35mm	16/1.5mm	**CANG35**	**CANG35FC**
38mm	16/1.5mm	**CANG38**	**CANG38FC**
45mm	22/2mm	**CANG45**	**CANG45FC**
50mm	22/2mm	**CANG50**	**CANG50FC**
60mm	26/2mm	**CANG60**	**CANG60FC**
Netstal			
32mm	16/2mm	**CANE32**	**CANE32FC**
40mm long	18/2.5mm	**CANE40**	**CANE40FC**
45mm	20/2.5mm	**CANE45**	**CANE45FC**
50mm	20/2mm	**CANE50**	**CANE50FC**
New Britain (HPM)			
30mm	TR18/3mm	**CANB30**	**CANB30FC**
1 ⅜″	9⁄16″–18	**CANB35**	**CANB35FC**
36mm	TR20/3mm	**CANB36**	**CANB36FC**
1 ⅝″	¾″–16	**CANB41**	**CANB41FC**

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Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
New Britain (HPM) cont.			
42mm	TR27/3mm	**CANB42**	**CANB42FC**
1 ¾″	¾″–16	**CANB44**	**CANB44FC**
2″	1″–8	**CANB51**	**CANB51FC**
55mm	TR35/3mm	**CANB55**	**CANB55FC**
65mm	TR40/3mm	**CANB65**	**CANB65FC**
2 ¾″	1 ⅜″–8	**CANB71**	**CANB71FC**
70mm	TR40/3mm	**CANB70**	**CANB70FC**
82mm	TR47/3mm	**CANB82**	**CANB82FC**
3 ¼″	1 ½″–8	**CANB83**	**CANB83FC**
3 ½″	1 ¾″–8	**CANB89**	**CANB89FC**
***IN STOCK**	**Newbury (specify Blunt or Pointed)**		
***1″**	½″–13	**CANY25**	**CANY25FC**
***1 ¼″**	⅝″–11	**CANY32**	**CANY32FC**
***1 ⅜″**	⅝″–11	**CANY35**	**CANY35FC**
***1 ½″**	¾″–10	**CANY38**	**CANY38FC**
***1 ¾″**	⅞″–9	**CANY44**	**CANY44FC**
***2″**	1″–8	**CANY51**	**CANY51FC**
2 ¼″	1″–8	**CANY57**	**CANY57FC**
***IN STOCK**	**Niigata**		
18mm	8/0.75mm	**CANA18**	**CANA18FC**
25mm	12/1mm	**CANA25**	**CANA25FC**
*35mm	18/2.5mm	**CANA35**	**CANA35FC**
*40mm	20/2.5mm	**CANA40**	**CANA40FC**
*52mm	27/3mm	**CANA52**	**CANA52FC**
*60mm	30/3.5mm	**CANA60**	**CANA60FC**
*68mm	30/3mm	**CANA68**	**CANA68FC**
*76mm	42/3mm	**CANA76**	**CANA76FC**
90mm	48/3mm	**CANA90**	**CANA90FC**

SCREW TIPS

Screw Tips

Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
*IN STOCK	Nissei		
*14mm	7/0.75mm	CANI14	CANI14FC
*16mm	9/1mm	CANI16	CANI16FC
*19mm	10/1.5mm	CANI19	CANI19FC
*22mm	TR14/2mm	CANI22	CANI22FC
*26mm	TR14/2mm	CANI26	CANI26FC
*28mm	TR14/2mm	CANI28	CANI28FC
*30mm	TR16/2mm	CANI30	CANI30FC
*32mm	TR18/2mm	CANI32	CANI32FC
*36mm	TR20/2mm	CANI36	CANI36FC
*38mm	TR22/3mm	CANI38A	CANI38AFC
*40mm	TR24/3mm	CANI40	CANI40FC
*45mm	TR26/3mm	CANI45	CANI45FC
*50mm	TR28/3mm	CANI50	CANI50FC
*56mm	TR32/3mm	CANI56	CANI56FC
*63mm	TR36/3mm	CANI63	CANI63FC
*71mm	TR44/3mm	CANI71	CANI71FC
*72mm	TR44/3mm	CANI72	CANI72FC
*75mm	TR44/3mm	CANI75	CANI75FC
*80mm	TR48/3mm	CANI80	CANI80FC
84mm	TR52/3mm	CANI84	CANI84FC
*90mm	TR55/3mm	CANI90	CANI90FC
*100mm	TR65/3mm	CANI100	CANI100FC
112mm	TR65/3mm	CANI112	CANI112FC
125mm	TR75/3mm	CANI125	CANI125FC

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Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Reed Prentice			
1 5/8″	7/8″–9	**CAR41**	**CAR41FC**
1 3/4″ TC	3/4″–10	**CAR44**	**CAR44FC**
2″ TD	1″–8	**CAR51**	**CAR51FC**
2 1/8″ TC	1″–8	**CAR54**	**CAR54FC**
2 1/2″ TD	1 1/4″–8	**CAR64**	**CAR64FC**
3″ TD	1 3/8″–8	**CAR76**	**CAR76FC**
3 5/16″ TC	1 3/4″–5	**CAR84**	**CAR84FC**
3 3/4″ TD	1 7/8″–8	**CAR95**	**CAR95FC**
STM (see Krauss-Maffei) Stokes			
1 1/4″	9/16″–18	**CAS32**	**CAS32FC**
1 3/8″	5/8″–18	**CAS35**	**CAS35FC**
1 5/8″	3/4″–16	**CAS41**	**CAS41FC**
1 7/8″	7/8″–14	**CAS48**	**CAS48FC**
2″	1″–12	**CAS51**	**CAS51FC**
2 1/2″	1 1/8″–12	**CAS64**	**CAS64FC**
2 3/4″	1 1/4″–12	**CAS70**	**CAS70FC**
3″	1 3/8″–12	**CAS76**	**CAS76FC**
4″	1 3/4″–12	**CAS102**	**CAS102FC**
***IN STOCK**	**Sumitomo**		
18mm	9/1mm	**CASM18**	**CASM18FC**
*20mm	10/1.25mm	**CASM20**	**CASM20FC**
*22mm	10/1.25mm	**CASM22**	**CASM22FC**
25mm	12/1.5mm	**CASM25**	**CASM25FC**
28mm	12/1.5mm	**CASM28**	**CASM28FC**
*32mm	16/1.5mm	**CASM32**	**CASM32FC**
*36mm	16/1.5mm	**CASM36**	**CASM36FC**
40mm	22/2mm	**CASM40**	**CASM40FC**
45mm	24/2mm	**CASM45**	**CASM45FC**
50mm	24/2mm	**CASM50**	**CASM50FC**
63mm	33/3mm	**CASM63**	**CASM63FC**
71mm	633/3mm	**CASM71**	**CASM71FC**
80mm	40/3mm	**CASM80**	**CASM80FC**
100mm	52/4mm	**CASM100**	**CASM100FC**
Toshiba			
25mm	12/1.5mm	**CAT25**	**CAT25FC**
28mm	15/1.5mm	**CAT28**	**CAT28FC**
32mm	18/2mm	**CAT32**	**CAT32FC**
36mm	22/2mm	**CAT36**	**CAT36FC**
40mm	22/2mm	**CAT40**	**CAT40FC**
45mm	26/1.5mm	**CAT45**	**CAT45FC**
50mm	28/2mm	**CAT50**	**CAT50FC**
55mm	28/2mm	**CAT55**	**CAT55FC**

SCREW TIPS

NOTE: This is just a short list of Screw Tips that we have. If you don't see the brand/type or size of the screw tip you need, give us a call! We have PVC smear tips and ball checks, as well!

Screw Tips

Screw Diameter	Thread	H13 Part Number	CPM9V Part Number
Toshiba cont.			
60mm	28/2mm	CAT60	CAT60FC
70mm	32/2mm	CAT70	CAT70FC
80mm		CAT80	CAT80FC
85mm	42/3mm	CAT85	CAT85FC
100mm	45/4mm	CAT100A	CAT100AFC
115mm	60/4mm	CAT115	CAT115FC
Toyo			
*IN STOCK *24mm	12/1.5mm	CATY24	CATY24FC
*28mm	16/2mm	CATY28	CATY28FC
*32mm	18/2.5mm	CATY32	CATY32FC
*36mm	18/2.5mm	CATY36	CATY36FC
*40mm	22/2.5mm	CATY40	CATY40FC
*46mm	24/3mm	CATY46	CATY46FC
*50mm	27/3mm	CATY50	CATY50FC
*55mm	27/3mm	CATY55	CATY55FC
*60mm	30/3mm	CATY60	CATY60FC
*68mm	33/3.5mm	CATY68	CATY68FC
*75mm	36/4mm	CATY75	CATY75FC
*83mm	38/4mm	CATY83	CATY83FC
Trueblood			
1″	½″–13	CATR25	CATR25FC
1 ¼″	⅝″–11	CATR32	CATR32FC
1 ⅜″	⅝″–11	CATR35	CATR35FC
1 ½″	⅝″–11	CATR38	CATR38FC
1 ¾″	¾″–10	CATR44	CATR44FC
2″	⅞″–9	CATR51	CATR51FC
Trubor			
*IN STOCK *25mm	½″–13	CATB25	CATB25FC
*28mm	½″–13	CATB28	CATB28FC
*31mm	⅝″–11	CATB31	CATB31FC
*35mm	⅝″–11	CATB35	CATB35FC
Van Dorn			
*IN STOCK *30mm	⅝″–11	CAV30	CAV30FC
*35mm	¾″–10	CAV35	CAV35FC
*38mm	¾″–10	CAV38	CAV38FC
*40mm	¾″–10	CAV40	CAV40FC
*50mm	1″–8	CAV50	CAV50FC
*57mm	1 ¼″–7	CAV57	CAV57FC
*65mm	1 ⅜″–6	CAV65	CAV65FC
*69mm	1 ⅜″–6	CAV69	CAV69FC
*75mm	1 ⅜″–6	CAV75	CAV75FC
*80mm	1 ⅜″–6	CAV80	CAV80FC
*90mm	1 ¾″–8	CAV90	CAV90FC
*105mm	1 ¾″–8	CAV105	CAV105FC
115mm	2″–8	CAV115	CAV115FC

NOTE: This is just a short list of Screw Tips that we have. If you don't see the brand/type or size of the screw tip you need, give us a call! We have PVC smear tips and ball checks, as well!

SCREW TIPS

DME Repairs Worn Injection or Extrusion Barrel Re-sleeves with New Tool Steel or Bimetallic Liners for Less than New!

The worn area of your barrel is bored out and honed to accept a sleeve machined from a wear-resistant alloy. The sleeve is machined slightly larger than the bore of the barrel. After the sleeve is shrunk by freezing and the barrel is expanded by heating, the sleeve is inserted into the barrel. As the temperatures equalize, the sleeve becomes tightly locked in the barrel. The dimensions of the sleeve are carefully chosen and precisely machined to produce an even and tightly interferenced fit over the full length of the sleeve. The result is a permanent sleeve that will not move or crack and, conducts heat well through the barrel-sleeve boundary.

Sleeving Material

D-2 Tool Steel

- One of the most wear-resistant of the conventional tool steels
- Deep hardened to maximize wear life
- Alloyed with 12% Chromium and 1% Vanadium
- Chromium gives it mild corrosion-resistance

CPM1OV

- Wear-resistant particle metallurgy tool steel
- Laboratory wear tests show it can outlast D-2 by 20:1
- Alloyed with a high percentage (9.74%) of vanadium-the hardest of the tool steel carbides

CPM15V

- Extremely wear-resistant particle metallurgy tool steel
- Highest abrasion resistance of any barrel material
- Best for glass-filled resins
- Vanadium (14.5%) carbides provide extreme abrasion resistance

CPM420V

- Martensitic stainless tool steel
- Combination 13% chromium and highly wear resistant vanadium (9%) carbides provide superior wear resistance in moderately corrosive conditions

Standard Bimetallic

- Centrifugally cast by high speed rotation in a furnace
- Contains nickel, carbon, manganese, boron and silicone
- Service life will exceed that of nitrided low-alloy steel by 4 to 5 times

Carbide Bimetallic

- Centrifugally cast inlay composed of 80% tungsten carbide and chromium boride in a chromium-boron-nickel matrix
- Excellent for continuous processing of glass-filled resins
- Chromium and nickel provide a moderate corrosion resistance
- 60-64 Rc matrix hardness with a micro-hardness of tungsten carbide and chromium boride equivalent to more than 70 Rc

Corrosion-Resistant Bimetallic

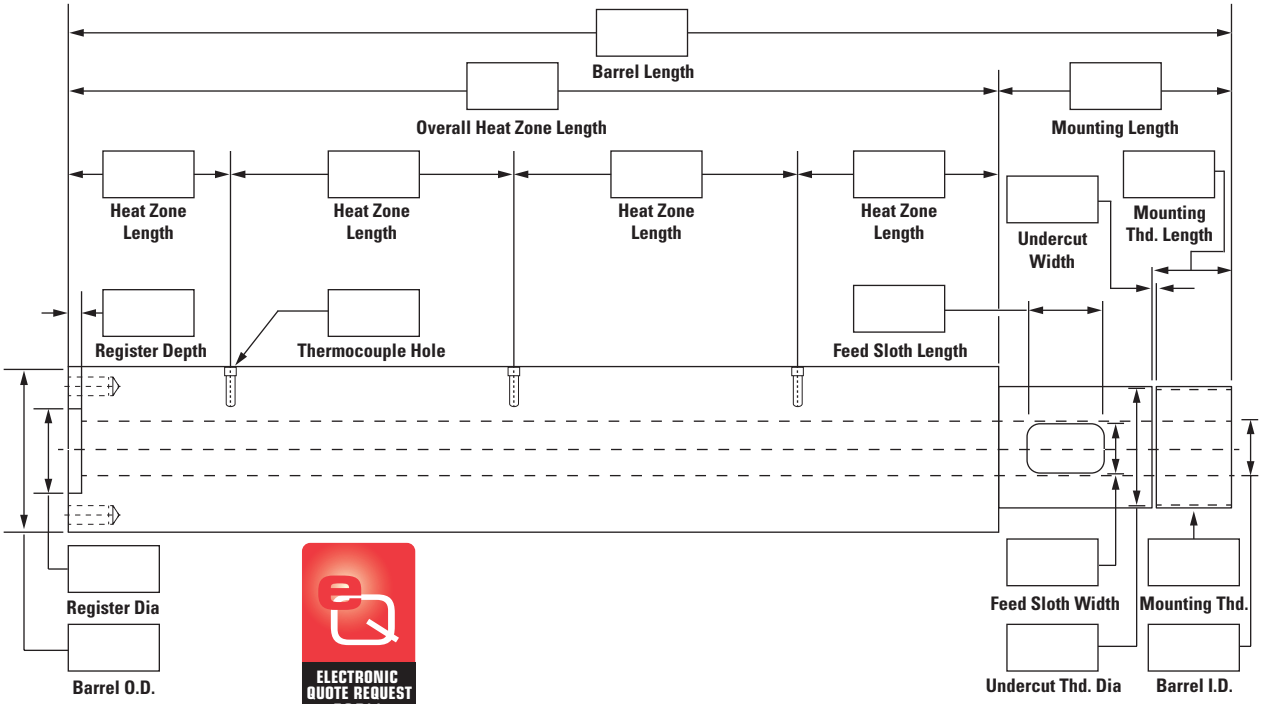
- Ideal for extreme corrosion resistance
- In highly corrosive atmospheres, can demonstrate a service life over 10 times that of nitrided low-alloy barrels
- Borides provide excellent wear resistance
- Composed of cobalt-nickel base alloy with a high chromium and boron content

Send your barrel for a free inspection and quote.
DME Barrel Repair - 9841 York Alpha Dr., North Royalton, OH. 44133

Non-Stock or Custom Barrel Form

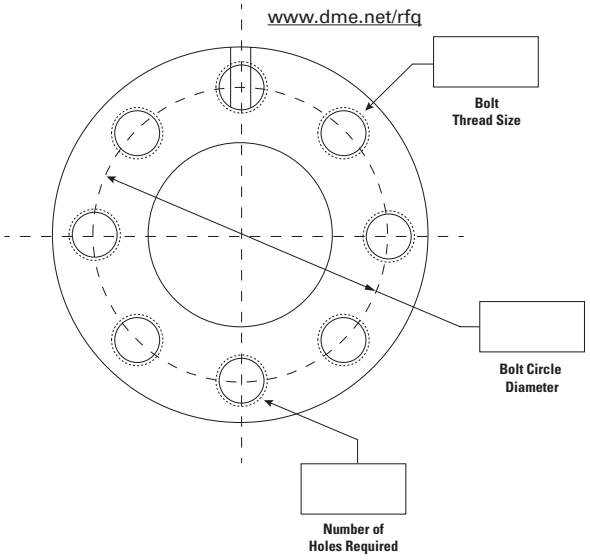
Please thoroughly complete this form and fax (888-808-4363) or email (DME@dme.net) to receive a quote.

ONLINE FORM



ELECTRONIC QUOTE REQUEST FORM

or visit www.dme.net/rfq



Other Information Required:

Liner (Partial or Full): _____

Liner Material Type: _____

Machine Make: _____

Machine Model: _____

Size (Ton and Ounce): _____

Stroke Length: _____

Base Material: _____

Optional Barrel Straightening: YES ☐ NO ☐

Optional Pressure Ports: YES ☐ NO ☐

Optional Vents: YES ☐ NO ☐

Optional Feed Slot: YES ☐ NO ☐

Date: _____ Quantity: _____ Phone: (___) _____ Fax: (___) _____

Name: _____ Account Number: _____

Company: _____ Email: _____

Address: _____

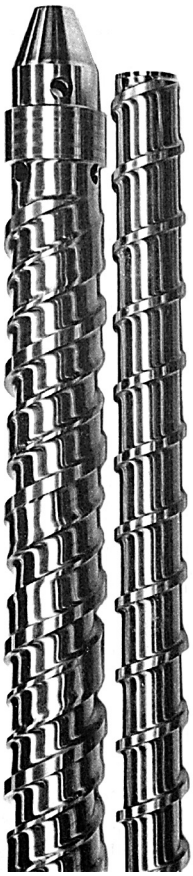
City: _____ State: _____ Zip: _____

DME Feedscrew Rebuilding

Most screws can be rebuilt for a fraction of the cost of a new screw. The DME screw rebuilding service includes:

- Welded hardfacing on flight lands, grinding, polishing and straightening
- Hardfacing alloys include Stellite # 12, Colmonoy #56 and Colmonoy #88
- Surface treatment includes nitride and chrome
- Screw sizes from ½" to 8" diameter and up to 140" in length
- Drive end, root or tip end threads can be repaired

Call DME for a quote or send us your feedscrew for a free inspection.
Or complete the form on the next page and send it to DME.



Injection Screw Design Quote Request Form

Please thoroughly complete this form and fax (888-808-4363) or email (DME@dme.net) to receive a quote.

ONLINE FORM

Company: _____ Account Number: _____
Contact: _____ PO #: _____ Job #
Address: _____ Phone: _____
City: _____ State: _____ Fax #: _____
Zip: _____ E-mail: _____
Country: _____

Specify: ☐ Improvement Process ☐ New Project ☐ Screw Repair

1. Machine Information

OEM: _____ Type: _____ Machine Age: _____
Nominal Screw O.D.: _____ in/mm L/D: _____ :1
Max. Screw Stroke: _____ in/mm Drive: ☐ Electric ☐ Hydraulic
Max. Screw RPM / KPM: ____ in/mm Max. Torque: _____ ft. lb. nm.

ELECTRONIC QUOTE REQUEST FORM
or visit www.dme.net/rfq

2. Resin Information

Type: _____ Material No.: _____ Manufacturer: _____
MFI: _____ Filler: _____ % Additives: _____
☐ Color ☐ Master Batch ☐ Powder ☐ Liquid

3. Existing Problems:

☐ Recovery ☐ Quality ☐ Temperature ☐ Corrosion
☐ Wear Of – ☐ Screw Flights ☐ Screw Root ☐ Screw Tip
Please be specific: _____

4. Expectation:

Recovery: _____ Oz. per Sec. / Grams per Sec.
Dispersion: _____ (Mixing Devices Mandatory)
Change of Max. Shot Size Required ☐ Yes ☐ No

5. Existing Equipment Information:

Mixing Device: ☐ Yes ☐ No ☐ (Located) Transition ☐ Metering
Describe Mixing Device: _____

6. Process Information

Shot Size: _____ oz. / grams Existing Recovery Time: _____
Existing RPM: _____ Backpressure: _____
Screw Stroke: _____ in/mm Recovery Time Target: _____
Nozzle Shut-Off Available: ☐ Yes ☐ No
What Products are Molded: _____

State other information that may help clarify the request: _____

New Barrels

Van Dorn

Size	Length (in.)	Nitraloy/ Nitrided	CPM-10V
		Part Number	Part Number
30mm	27.55	VDB30N	VDB30
35mm	32.90	VDB35N	VDB35
38mm	34.78	VDB38N	VDB38
40mm	36.37	VDB40N	VDB40
50mm	47.69	VDB50N	VDB50
57mm	52.74	VDB57N	VDB57
65mm ST	58.39	VDB65N	VDB65
65mm BL	58.39	VDB65NB	VDB65B
80mm ST	73.23		VDB80
80mm BL	73.23		VDB80B
90mm ST	81.48		VDB90
90mm BL	81.48		VDB90B
105mm	92.09		VDB105

Size	Length (in.)	Standard Bimetallic	Carbide Bimetallic
		Part Number	Part Number
30mm	27.55	VDB30B	VDB30CB
35mm	32.90	VDB35B	VDB35CB
38mm	34.78	VDB38B	VDB38CB
40mm	36.37	VDB40B	VDB40CB
50mm	47.69	VDB50B	VDB50CB
57mm	52.74°	VDB57B	VDB57CB
65mm ST	58.39°	VDB65B	VDB65CB
65mm BL	58.39	VDB65BB	VDB65CBB
80mm ST	73.23	VDB80B	VDB80CB
80mm BL	73.23	VDB80BB	VDB80CBB
90mm ST	81.48°	VDB90B	VDB90CB
90mm BL	81.48°	VDB90BB	VDB90CBB
105mm	92.09	VDB105B	VDB105CB

NEW BARRELS

NOTES:

ST = Straight

BL = Bell

° = Straight length

New Feedscrews

Van Dorn

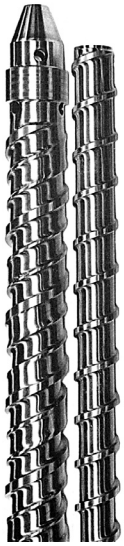
Other Makes and Sizes of Screws Available – Call for Pricing and Availability!!

High quality

Great value

Made to OEM specs

NEW FEEDSCREWS



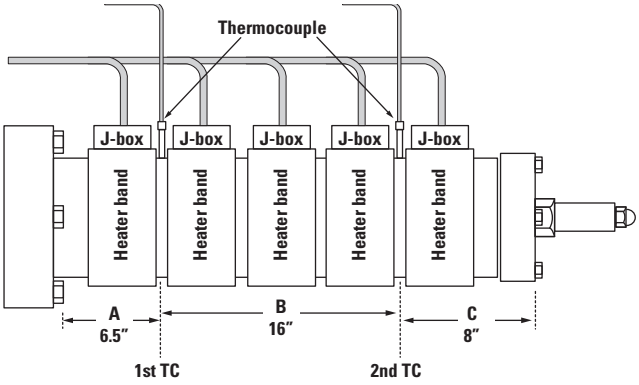
Van Dorn Feed Screws					
Size	Length (in)	Nitraloy/Nitrided	D-2- Heat Treated	Welded	CPM-9V Heat Treated
		Part Number	Part Number	Part Number	Part Number
30mm	31.48"	VDS30N	VDS30D	VDS30W	VDS30V
35mm	35.34"	VDS35N	VDS35D	VDS35W	VDS35V
38mm	36.81"	VDS38N	VDS38D	VDS38W	VDS38V
40mm	38.18"	VDS40N	VDS40D	VDS40W	VDS40V
50mm	49.40"	VDS50N	VDS50D	VDS50W	VDS50V
57mm	54.33"	VDS57N	VDS57D	VDS57W	VDS57V
65mm	59.69"	VDS65N	VDS65D	VDS65W	VDS65V
80mm	75.81"	VDS80N		VDS80W	VDS80V
90mm	85.62"	VDS90N		VDS90W	
105mm	95.87"	VDS105N		VDS105W	

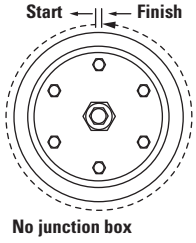
Barrel Blankets

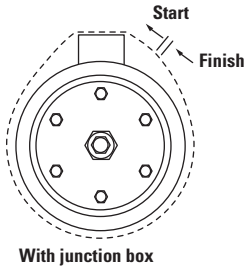
These high-quality insulation jackets provide a simple method of insulating barrels of injection molding machines. Resultant reduction of heat loss dramatically reduces the amount of power required to provide
a consistent barrel temperature and improves startup time and part consistency. Typical payback is six months.

Heat loss cut by a factor of 10 to 15!
Heat loss for a barrel operating in ambient temperature of 70°F with a barrel temperature of 600°F:
With no insulation ..... 660 Watts/Sq. Ft.
With 1" thick insulating jacket ..... 54 Watts/Sq. Ft.

BARREL BLANKETS







To determine width of jackets required:
1. Start from rear of barrel
2. Measure from rear to 1st thermocouple
3. Measure to next TC, etc.

In the example above, a 6 1/2" jacket, plus one 16" and one 8" wide jackets, are required. Note that 4 jackets 4" wide can be used to substitute the 16" wide jacket.

To determine diameter of jackets required:
1. Measure the circumference of the O.D. of the heater bands, including junction box.
2. Divide by 3.14 to determine diameter.
3. Round up to nearest inch.

For example, an outside diameter of 27", divided by 3.14, gives a diameter of 8.5"; use 9" dia. jackets.

Specifications:

Hot face (inside fabric): Silica Fabric, 1/16" thick; 2000°F continuous. Thermal characteristics exceed asbestos materials and provide excellent working capacity beyond that of fiberglass.

Cold face (outside fabric): Fiberglass cloth, 1/64"; 500°F.
Outer coating is strong, flexible and will repel melt and drool. Can be easily cleaned.

Insulation: Ceramic Fibre, 1" thick; 2300°F. Non-asbestos, withstands extreme heat for prolonged periods and has excellent insulation characteristics.

Straps: Same tough impregnated material as outer fabric.

Closure: High-temp Velcro with Nomex loop. High shear strength, temperature-resistant and designed for use in repeated cycle applications.

Buckles: Nickel-plated steel wire with loose roller.

Outer diameter of barrel and bands	Length	Part Number	Reference Number
4	2"	**BB4 × 2**	BIJ105
	4"	**BB4 × 4**	BIJ1010
	6"	**BB4 × 6**	BIJ1015
5	2"	**BB5 × 2**	BIJ125
	4"	**BB5 × 4**	BIJ1210
	6"	**BB5 × 6**	BIJ1215
6	2"	**BB6 × 2**	BIJ155
	4"	**BB6 × 4**	BIJ1510
	6"	**BB6 × 6**	BIJ1515
7	2"	**BB7 × 2**	BIJ175
	4"	**BB7 × 4**	BIJ1710
	6"	**BB7 × 6**	BIJ1715
8	2"	**BB8 × 2**	BIJ205
	4"	**BB8 × 4**	BIJ2010
	6"	**BB8 × 6**	BIJ2015
9	2"	**BB9 × 2**	BIJ225
	4"	**BB9 × 4**	BIJ2210
	6"	**BB9 × 6**	BIJ2215
10	2"	**BB10 × 2**	BIJ255
	4"	**BB10 × 4**	BIJ2510
	6"	**BB10 × 6**	BIJ2515
11	2"	**BB11 × 2**	BIJ275
	4"	**BB11 × 4**	BIJ2710
	6"	**BB11 × 6**	BIJ2715
12	2"	**BB12 × 2**	BIJ305
	4"	**BB12 × 4**	BIJ3010
	6"	**BB12 × 6**	BIJ3015

End Caps

Make	Bore Size	O.D. Diameter
Boy	24M	2.952
Boy	28M	2.952
Boy	32M	2.952
Boy	38M	3.740
Cincinnati	1.312″	5.000
Cincinnati	1.312″	6.500
Cincinnati	1.625	5.500
Cincinnati	2″	6.500
Cincinnati	2″	7.000
Cincinnati	2.5″	8.000
Cincinnati	2.75″	8.000
Cincinnati	3.25″	9.000
Cincinnati	3.5″	9.500
Cincinnati	4.5″	13.000
Cincinnati	5.25″	13.000
Cincinnati	6″	14.500
HPM	2″	6.000
Newbury	1″	3.500
Newbury	1.25″	4.000
Newbury	1.375	4.000
Newbury	1.75″	4.000
Newbury	2″	5.000
Newbury	2.25″	5.000
Nissei	32M	4.565
Nissei	36M	4.725
Nissei	45M	4.725
Nissei	56M	5.512
Nissei	63M	5.901
Nissei	71M	6.299
Reed	2″	4.750
Reed	3″	6.492
Toshiba	50M	2.951
Toshiba	100M	10.250
Toyo	28M	1.960
Toyo	36M	2.835
Toyo	40M	2.835
Toyo	50M	3.425
Toyo	55M	3.425
Toyo	68M	7.285
Toyo	75M	7.285
Van Dorn	30M	3.000
Van Dorn	35M	3.630
Van Dorn	38M	3.630
Van Dorn	40M	3.990
Van Dorn	50M	5.250
Van Dorn	57M	5.250
Van Dorn S	65M	5.250
Van Dorn B	65M	5.750
Van Dorn S	80M	6.750
Van Dorn B	80M	7.500
Van Dorn S	90M	8.260
Van Dorn B	90M	9.500

S – Straight, B – Bell

END CAPS

Our end caps are made of the finest, long-wearing steels. DME will consult with you on your special design requirements.

The following is a partial listing of more common makes and sizes.

Available in 4150 and H13.

For corrosive environments, DME offers stainless; please call for quote.

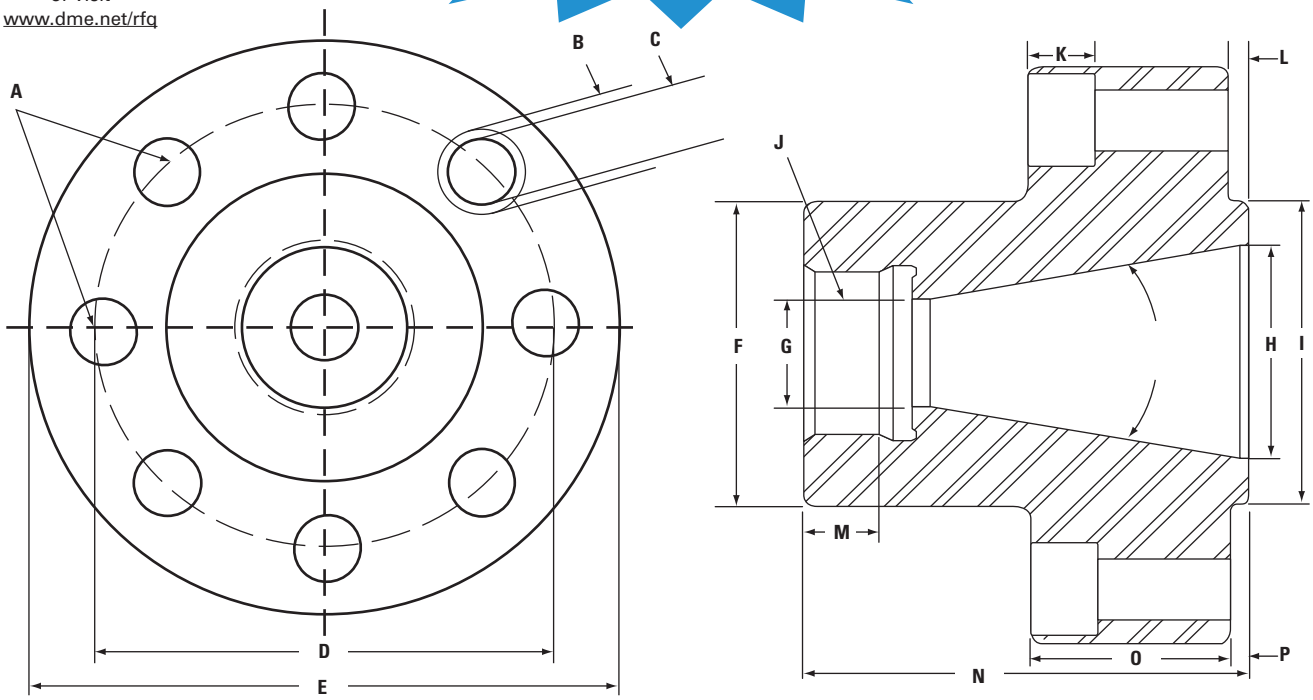
Don't see your make or size? Call DME or use the worksheet on the following page!

ONLINE FORM

ELECTRONIC QUOTE REQUEST FORM

or visit www.dme.net/rfq

Use this handy worksheet for a quick quote from one of our knowledgeable salespeople.



A. Number of bolt holes _____

B. Counter bore dia. (if any) _____

C. Bolt hole diameter _____

D. Bolt circle diameter _____

E. Flange diameter _____

F. Nozzle support diameter _____

G. Bore diameter _____

H. Rear opening _____

I. Pilot diameter _____

J. Thread type _____

K. Counterbore depth (if any) _____

L. Depth of straight bore _____

M. Depth of female thread _____

N. Overall length _____

O. Flange width _____

P. Length of pilot _____

Q. Cone angle _____

R. Surface treatment _____

For a quick quote, please fill out the worksheet and fax to 888-808-4363.

Company: _____
Account Number: _____
Address: _____
City: _____
State/Zip: _____

Contact Name: _____
Phone: _____
Fax : _____
E-mail: _____

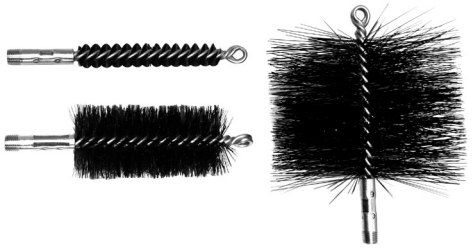
Barrel Brushes

Barrel Cleaning Brushes

Barrel Cleaning Brushes

- Double-spiral carbon steel
- Brush length: 4 1/2″
- Overall length: 8″
- 1/4″ NPT nipple

High Carbon Double Spiral



Inch Sizes			Metric Sizes		
Part Number	Diameter	Wire Size	Part Number	Diameter	Wire Size
BCB075	3/4″	.012	BCB18M	18 MM	.012
BCB100	1″	.012	BCB22M	22 MM	.012
BCB125	1 1/4″	.012	BCB24M	24 MM	.012
BCB150	1 1/2″	.012	BCB27M	27 MM	.012
BCB175	1 3/4″	.012	BCB30M	30 MM	.012
BCB200	2″	.012	BCB32M	32 MM	.012
BCB225	2 1/4″	.012	BCB35M	35 MM	.012
BCB250	2 1/2″	.012	BCB38M	38 MM	.012
BCB275	2 3/4″	.012	BCB40M	40 MM	.012
BCB300	3″	.012	BCB45M	45 MM	.012
BCB325	3 1/4″	.012	BCB50M	50 MM	.012
BCB350	3 1/2″	.012	BCB55M	55 MM	.012
BCB375	3 3/4″	.012	BCB57M	57 MM	.012
BCB400	4″	.012	BCB60M	60 MM	.012
BCB450	4 1/2″	.012	BCB65M	65 MM	.012
BCB600	6″	.012	BCB67M	67 MM	.012
			BCB70M	70 MM	.012
			BCB80M	80 MM	.012
			BCB90M	90 MM	.012
			BCB105M	105 MM	.012
			BCB115M	115 MM	.012

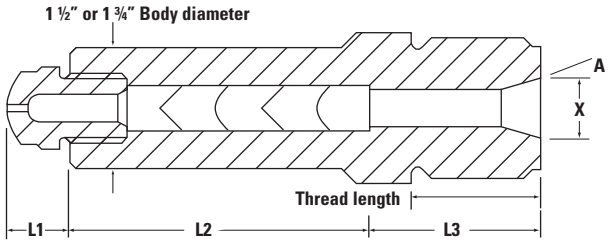
INCH BARREL BRUSHES
METRIC BARREL BRUSHES

Extension Rods

Part Number	Description
FER3*	3′ Fiberglass Extension
TER3*	3′ Twisted Wire Extension
HER3	Handle For Ext. Rods

EXTENSION RODS

* Rods can be connected end to end for longer reach.



Standard Removable Tip or Oversize Tip for larger applications.

MIXING NOZZLES

B

What It Does

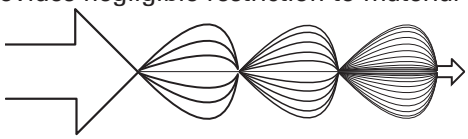
The Motionless Mix Nozzle incorporates the Motionless Inline Mixing elements- 5 or 6 stainless steel elements are inserted in a special nozzle recess. These elements offer mathematically predictable layer generation resulting in superior melt mixing. Less dry coloring or color concentrate is required to obtain uniform dispersion. In addition, a more homogenous melt results. Quick payback is realized in savings of color concentrate and/or dry coloring and faster cycling due to lower average melt temperature.

Mixing Principle

The Motionless Mix consists of a series of mixing elements enclosed in a specially machine Nozzle Body. There are no moving parts and elements can easily be removed for cleaning. Element ends are shaped such that adjacent elements form a tetrahedral chamber. Four (4) holes bored in each element are at oblique angles so that material near the periphery on the inlet side of the element emerges near the center on the outlet side. Because of this unique concept, the average 5-element assembly will provide 1,024 (6 elements = 4,096) generated layers in the mixing process at point of ejection. This concept is considerably advanced over the older style nozzle mixers incorporating a series of blending devices (more appropriate for low-pressure applications).

Advantages

Advantages are numerous; however, those most pertinent to the average injection molder include considerable savings on cost of dry coloring and/or color concentrate and faster cycle times. Savings in dry coloring and color concentrates average 10% to 20% in screw-type machine applications. Faster cycling results from thermally more homogenous melt stream and faster screw recovery time (much of the mixing requirements is attended to by the nozzle, requiring less mixing by the screw). Due to smooth flow path and no mixing parts, the nozzle is entirely reliable and provides negligible restriction to material flow.



Configuration	Dia. of Elements	X-Section of Flow	Equivalent Orifice	Application
Style A - 5 elements 1½" Body	⅝"	.038 sq in	.22"	For small machines or medium-sized machines working at less than capacity on common materials. Best with color concentrate or color compound.
Style B - 6 elements 1½" Body	⅝"	.038 sq in	.22	For small and medium-sized machines molding dry color, or where there is ample injection pressure reserve and maximum dispersion required.
Style C - 5 elements 1½" Body	13⁄16"	.062 sq in	.28"	For medium and large machines molding color concentrate or color compound. There is relatively little pressure drop with this style.
Style D - 6 elements 1½" Body	13⁄16"	.062 sq in	.28"	For medium and large machines molding dry color or where absolute maximum dispersion is required.
Style E□ - 5 elements 1¾" Body	1"	.093 sq in	.34"	For the most demanding applications, such as large shots being injected rapidly, high hourly throughput, or where minimum pressure drop can be tolerated.
Style F□ - 6 elements 1¾" Body	1"	.093 sq in	.34"	For the most demanding applications, maximum mixing action and minimum pressure drop.

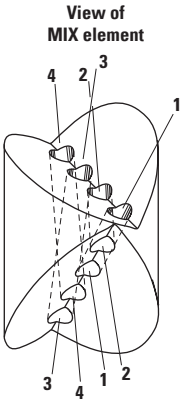
□ Requires 1¾" nozzle body diameter and "KN" Series tip

Mixing Nozzles

Iso-Mix

Forced radial mixing is one of the fundamental reasons for the superior performance of the Motionless Mix Nozzle. The drawing below right shows that outer streams 1 & 4 emerge on the inside, whereas inner streams 2 & 3
migrate to the outside. The process is repeated as material flows into a tetrahedral cross section between elements resulting in positive cross blending of any temperature and color gradients in the polymer melt stream.

Elements	1	2	3	4	5	6
Layers generated	4	16	64	256	1024	4095



Dimensions & Ordering Data

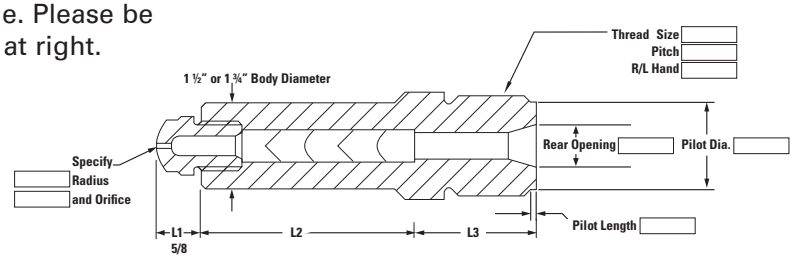
The minimum length of a motionless mix nozzle is dependent on:

1. The length of mixing elements
2. The rear opening diameter and entry angle
3. Nozzle tip length

The following information will help with product selection; however please call our technical sales line. Please be prepared with information in the drawing at right.

$$L1 = \frac{\text{Tip Length .625" standard}}{\text{(.94" for style E F and KN tips)}}$$

$$L3 = \frac{X - 0.5" \times \text{cotangent A} + .5"}{2}$$



For an indication of minimum overall length, simply calculate L3, select and add element length L2 and add tip length L1.

For example:

A nozzle with a rear opening of .75" (X)

Entry angle of 10 degrees (A)

Element type "C"

Tip length .625"

L1 = 0.625"

L2 = 4.06"

$$L3 = \frac{(.75 - .5 \times 5.671) + .5" = 1.293"}{2}$$

Nozzle length = 0.625 + 4.06 + 1.293" = 5.978"

The required minimum length of nozzle assembly a is 6"

(the next length longer than 6.103")

Typical rear opening angles and respective cotangents are:

Degrees		Cotangent
10	=	5.671
15	=	3.732
30	=	1.732

Nozzle Style	Length of Elements	L2
A	2.63	3.44
B	3.25	4.06
C	3.31	4.12
D	4.06	4.87
E	4.22	5.03
F	5.22	6.03

Radius sizes:

MIXING NOZZLES

B

Package Includes – Nozzle Body, Tip (gen. purpose) & Full Set of Elements

Element Diameter		5/8″		13/16″		1″	
Number of Elements		5	6	5	6	5	6
Thread	OAL						
1-3/4″ × 8 (44mm) dia. with 1/2″ or larger rear opening; for threads smaller than 1-3/4″ × 8, contact DME	6″	MN50A6	MN50B6	MN50C6	–	–	–
	8″	MN50A8	MN50B8	MN50C8	MN50D8	MN50E8	MN50F8
	10″	MN50A10	MN50B10	MN50C10	MN50D10	MN50E10	MN50F10
	12″	MN50A12	MN50B12	MN50C12	MN50D12	MN50E12	MN50F12
1-7/8″ to 2-61/64 (48mm to 75mm) dia. with 1/2″ or larger rear opening	6″	MN51A6	MN51B6	MN51C6	–	–	–
	8″	MN51A8	MN51B8	MN51C8	MN51D8	MN51E8	MN51F8
	10″	MN51A10	MN51B10	MN51C10	MN51D10	MN51E10	MN51F10
	12″	MN51A12	MN51B12	MN51C12	MN51D12	MN51E12	MN51F12
3″ to 3-1/8″ (76mm to 80mm) dia. with 1/2″ or larger rear opening	6″	MN70A6	MN70B6	MN70C6	–	–	–
	8″	MN70A8	MN70B8	MN70C8	MN70D8	MN70E8	MN70F8
	10″	MN70A10	MN70B10	MN70C10	MN70D10	MN70E10	MN70F10
	12″	MN70A12	MN70B12	MN70C12	MN70D12	MN70E12	MN70F12

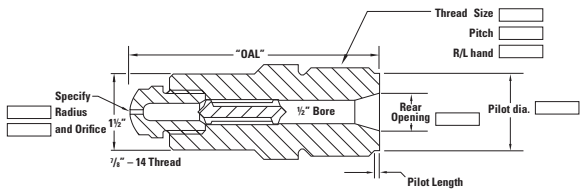
Specify the following when placing your order:
1. Make and model of machine
2. Nozzle thread detail and length
3. Nozzle rear opening
4. Tip radius and orifice

Options and Spares:
1. Thermocouple hole on hex flat
2. Replacement Motionless Mix Elements (full set)

	Part Number
Style A (5 elements 5/8″ dia.)	ISOMXA
Style B (6 elements 5/8″ dia.)	ISOMXB
Style C (5 elements 13/16″ dia.)	ISOMXC
Style D (6 elements 13/16″ dia.)	ISOMXD
Style E (5 elements 1″ dia.)	ISOMXE
Style F (6 elements 1″ dia.)	ISOMXF

TRU Filters

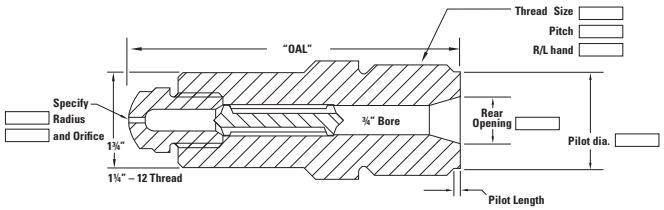
Style A



For Small Shots

For shot size under 16 oz. when molding low viscosity, unfilled materials; 9⁄16″ diameter filter plug with .015″ clearance for filtering out contaminants as well as mixing. Do not use with nozzle orifice larger than 3⁄16″.

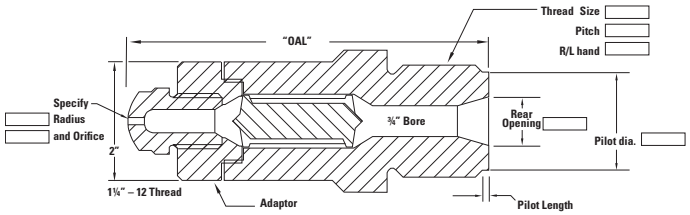
Style B



For Medium Shots

Recommended for most molding applications. Suitable for shot sizes up to 32 oz. (generally used with 10 oz. to 32 oz. shots) of medium- to low- viscosity unfilled materials; 7⁄8″ diameter filter plug and 3⁄4″ dia. nozzle flow path. Uses standard KN series tips with 1 1⁄4″–12 thread. Available with .015″ filter gap clearance.

Style C

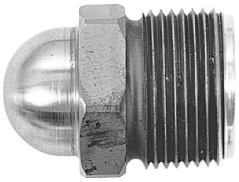


For Large Shots

Recommended only for shot sizes in excess of 30 oz. of medium- to low- viscosity unfilled materials; 28.6mm diameter filter plug and 19mm diameter flow path. Adapter permits use of standard KN series tips with 1 1⁄4″–12 thread. Available with .015″ filter gap clearance as standard. No restrictions to nozzle orifice size.

TRU FILTERS

Length of filter element:
Style A: 1 1⁄2″
Style B: 3 1⁄2″
Style C: 6″



Styles B & C require oversize KN series tip with 1 1⁄4″–12

B

TRU Filter plugs consist of blind holes with melt entering from screw end and additional blind holes with melt exiting to mold (or nozzle orifice). A 0.015″ clearance space- between nozzle I.D. and plug O.D.,-provide filtering action to prevent contaminants from reaching the molded part.

- Easily removed (and replaced) for cleaning
- Provides excellent filtering for particles greater than 0.0–15″
- Extended filter area provides long operation cycles before removal and cleaning are required
- Provides additional benefit of significant mixing of melt stream with minimum back pressure

1-¾" (44mm) with ½" or Larger Rear Opening	
OAL	Part Number
5″	TN1☐5
6″	TN1☐6
7″	TN1☐7
8″	TN1☐8
9″	TN1☐9
10″	TN1☐10
12″	TN1☐12

1-⅞" to 2-61/64" (48mm to 75mm) with ½" or Larger Rear Opening	
OAL	Part Number
5″	TN2☐5
6″	TN2☐6
7″	TN2☐7
8″	TN2☐8
9″	TN2☐9
10″	TN2☐10
12″	TN2☐12

Specify the Following when Placing your Order:

1. Complete information within relevant drawing on previous page
2. Make and model of machine
3. Nozzle thread detail and length
4. Nozzle rear opening
5. Tip radius and orifice
6. Replace ☐ in table with filter style (A, B or C) to complete part number

Options:

1. TC hole on hex flat
2. Extended tips available
3. Heater bands available for all nozzles Contact DME for proper size and

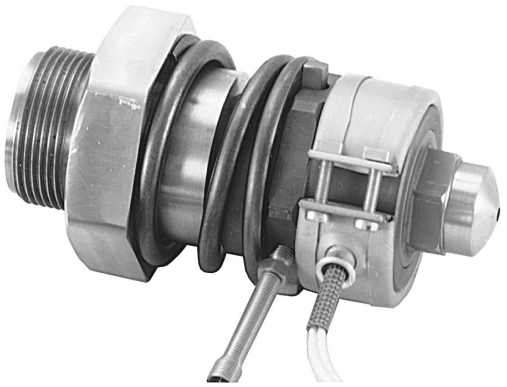
Replacement Filter Plugs	
Style	Part Number
A	TFP1
B	TFP2
C	TFP3

Shut-Off Nozzle

Improved design uses wear-resistant particle metallurgy materials in critical areas.

1. Completely mechanical, automatic operation
2. No internal springs
3. Eliminates cold slugs
4. Controllable back flow during injection
5. Reduces flashing
6. Precise pressure control during cure
7. Positive shut-off prevents drooling
8. Increases production up to 34%

Note: Pressures are in lbs. per sq. inch of plastic melt. In most cases the hydraulic pressure of the machine will be 1/10 of the above values. It should be noted however, that the hydraulic oil to plastic ratio is not always 1/10.



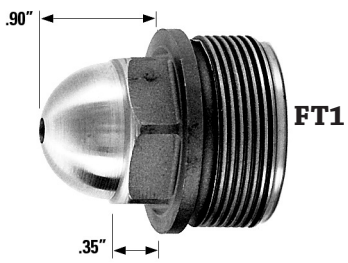
Cracking Pressure
(Maximum screw back pressure) 1800 psi

External Spring—External spring-activated shut-off pin. During injection, material flow caused by injecting force overcomes spring tension, thereby pushing shut-off pin away from seat. During screw recovery and idle, the spring tension forces the pin forward restricting material flow.

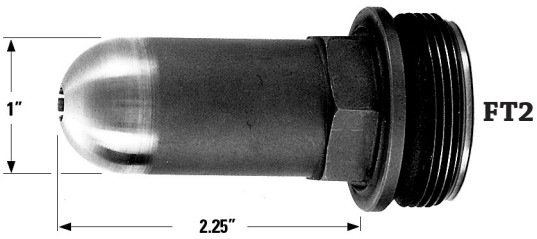
Shut-Off Pin—Externally activated shut-off pin permits unrestricted material flow during injection. Completely seals off flow at point of removable tip seat during screw recovery and idle. Eliminates drool and stringing.

Replaceable Tip—Special hardened tool steel tip can be changed in seconds. Reverse taper nylon design. Available with choice of radius and orifice- 1/8", 5/32" and 3/16". Be sure to specify when ordering.

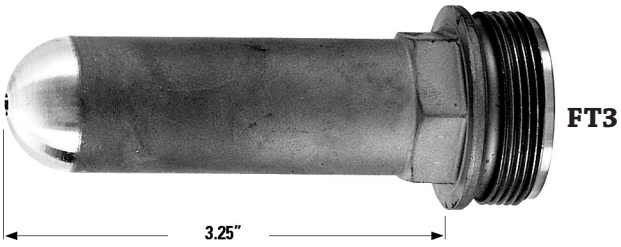
Automatic Operation—Operation is fully automatic and mechanical, with activating force derived from natural machine action. During injection, the material flow and pressure force the shut-off pin backward, thereby overcoming spring tension through pin extension. Material flows unrestricted into mold. As soon as injection pressure is released, the tension of the spring forces pin extension and also the shut-off pin forward, restricting material flow. Tip has reverse taper design; hence, residue material is ejected with the finished article, eliminating the possibility of cold slugs and strings.



FT1



FT2



FT3

Tip Thread =36/1.5mm

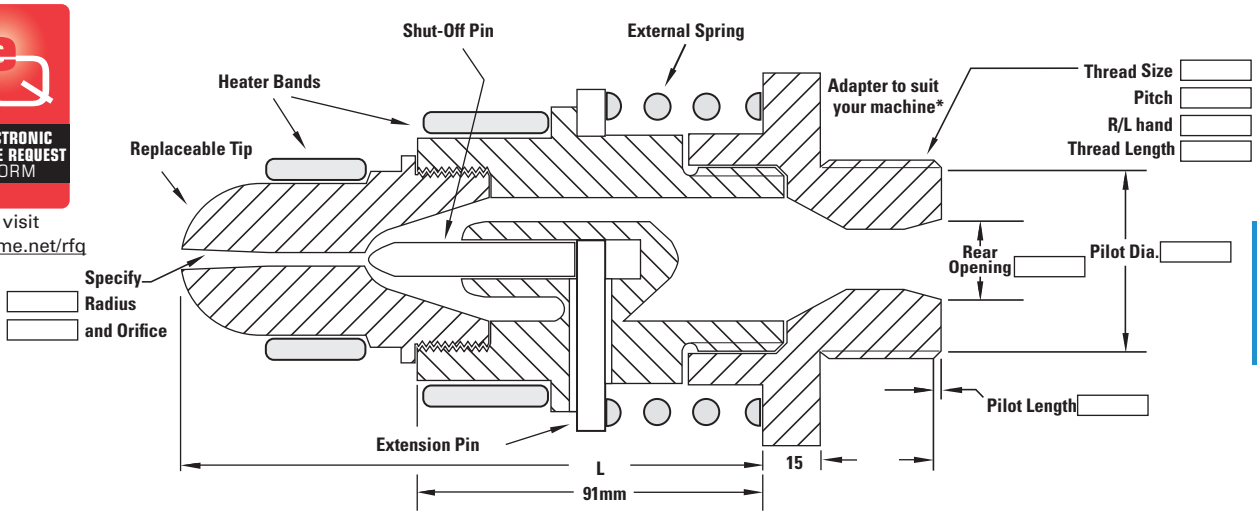
Warranty

The Shut-Off Nozzle uses wear-resistant particle metallurgy materials in the critical wear areas of the pin and insert and will provide long life when molding regular polyamides, acrylics and similar relatively normal non-abrasive materials. For molding extremely abrasive materials such as glass-filled Ryton, DME recommends a Shut-Off Nozzle of similar design made of wear-resistant CPM9V. Contact DME for price and delivery!

ONLINE FORM

ELECTRONIC QUOTE REQUEST FORM

or visit www.dme.net/rfq



Shut-Off Nozzles

Includes complete assembly (Body, Tip, External Spring, Shut-Off Pin, Pin Extension and Adapter to suit your machine)

Item Description
Threads up to 2″ (50mm) diameter
Threads over 2″, to 2 ¾″ (50mm to 70mm) dia.

Shut-Off Nozzle Replacement Parts	
Item Description	**Part Number**
External Spring	SPG2A
Shut-Off Pin	
1″ length	OPSOPA
2″ length	OPSOP2
3″ length	OPSOP3
Adapter up to 50mm to suit your machine	SOADA*
Nozzle Tips	
Style A	FT1
Style B	FT2
Style C	FT3

How to Order

1. Complete requested information in drawing above
2. Specify tip length or style (FT1, FT2 or FT3)
3. Specify radius and orifice of tip

*Identify thread detail, thread length and rear opening.

Company: _____ Contact Name: _____
Account Number: _____ Phone: _____
Address: _____ Fax : _____
City: _____ E-mail: _____

Mini-Shut™ Automatic Shutoff Nozzle Tip

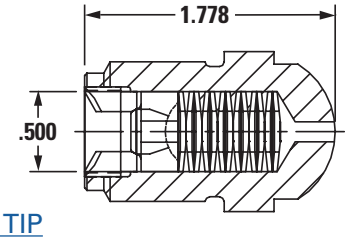
Control of the melting process depends on a number of factors including the proper screw and NRV design, and setting variables such as back pressure, barrel temperatures, screw speed and melt decompression. The process becomes more stable and many surface imperfections obsolete by eliminating melt decompression.

Introducing the Mini-Shut™ Automatic Shutoff Nozzle Tip

The tip, seat and poppet are made from 4140 tool steel and the springs are made from high-temperature alloy.

- Eliminates need for melt decompression
- Eliminates drooling
- Eliminates stringing
- Easy to install and remove
- Inexpensive
- Fits on virtually all nozzle bodies
- Designs for all machine sizes and applications
- Operate the clamp and screw simultaneously
- On-the-shelf stock item
- Low pressure drop

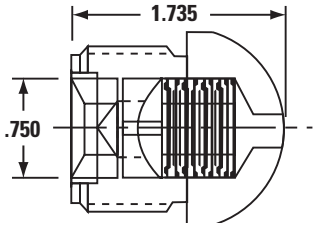
Small Bore Mini-Shut™ Automatic Shutoff Nozzle Tip



MINI AUTOMATIC SHUTOFF NOZZLE TIP

Part Number	Length	Radius	Orifice	Thread
MS50-50-125	1.778″	½″	⅛″	⅞-14
MS50-50-156	1.778″	½″	5⁄32″	⅞-14
MS50-50-187	1.778″	½″	3⁄16	⅞-14
MS50-50-250	1.778″	½″	¼	⅞-14
MS50-50-375	1.778″	½″	⅜	⅞-14
MS50-75-125	1.778″	¾″	⅛″	⅞-14
MS50-75-156	1.778″	¾″	5⁄32″	⅞-14
MS50-75-187	1.778″	¾″	3⁄16	⅞-14
MS50-75-250	1.778″	¾″	¼	⅞-14
MS50-75-375	1.778″	¾″	⅜	⅞-14

Large Bore Mini-Shut™ Automatic Shutoff Nozzle Tip



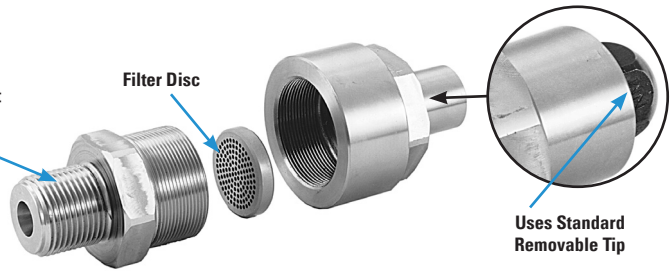
Part Number	Length	Radius	Orifice	Thread
MS75-75-250	1.735″	¾″	¼″	1-¼-12
MS75-75-375	1.735″	¾″	⅜″	1-¼-12

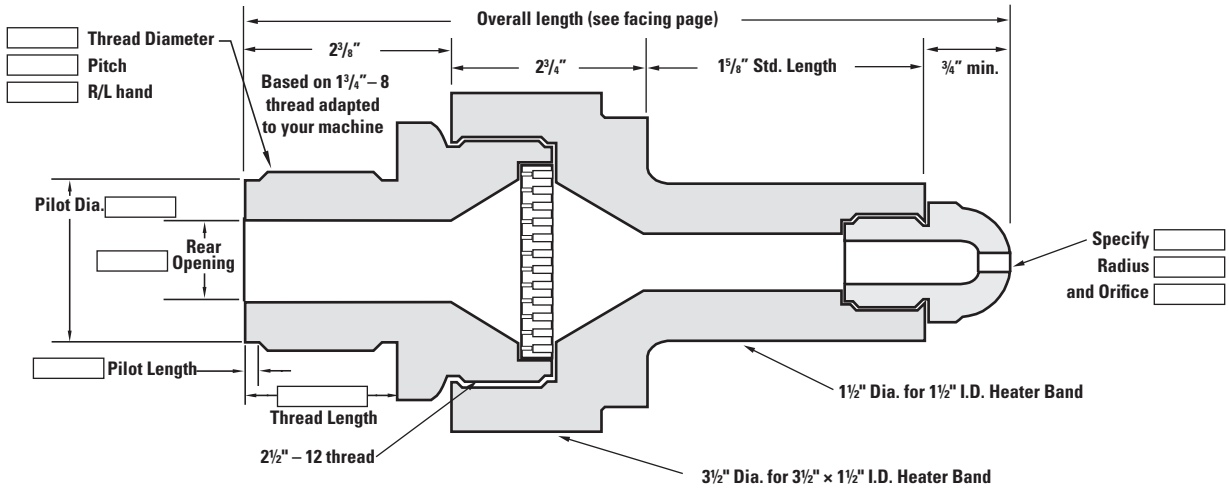
Screen Pack Metal Filter

Tramp Metal Filter for all makes and models of injection molding machines

- Screens out harmful material that may clog orifice of hot runner molds
- 2″ diameter filter disc has 135 holes for maximum removal of contaminants and minimum pressure drop

SCREEN PACK METAL FILTER





Complete assembly includes threaded end mount, 2″ dia × ⅜″ filter disc, removable nozzle and hardened tool steel removable nozzle tip to suit your application.

Assembly MTN1Z or MTN2 consists of:
MTN1A.....Adapter to suit machine
MTN1 .....Nozzle
RTG, RTN or RTT .....Tip
SPFD1 .....Filter

Filter Descriptors
2" .....diameter
5/8" .....thick
135 .....holes
Major dia .....093"
Minor dia .....035"

Machines with Thread Size of 50mm (2″) or Less		Machines with Thread Size Over 50mm (2″)	
Type	**Part Number**	**Type**	**Part Number**
General Purpose or Nylon	**MTN1Z**	General Purpose or Nylon	**MTN2**
ABS Full Taper	**MTN1C**	ABS Full Taper	**MTN2C**

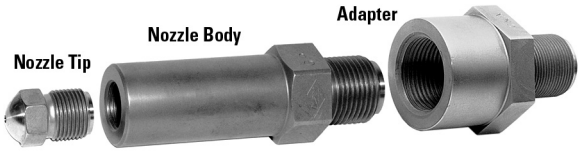
Ordering: Specify radius, orifice and complete information above. For thermocouple hole; specify thread.

Metal Filter

For all makes and models of injection molding machines

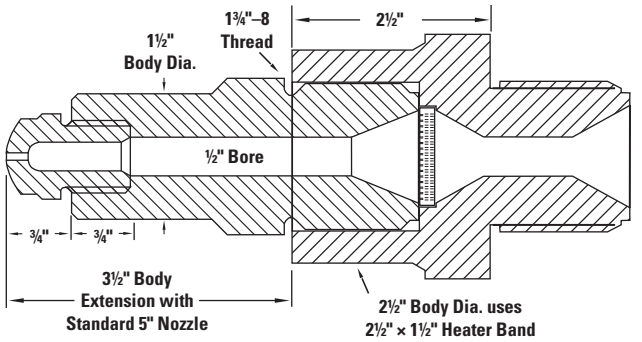
ONLINE FORM

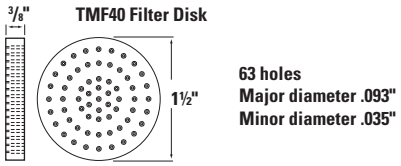
Ordering information for Screen Pack Filters & Adapters:



New design nozzle filter for tramp metal provides all the benefits of huge filtering capacity; from stock shipment gets you running without delay. Uses standard Adapters with thread to suit your machine; standard "VR" nozzles, with 1 3/4" thread and regular replacement tips.

TMF40 Filter Disk

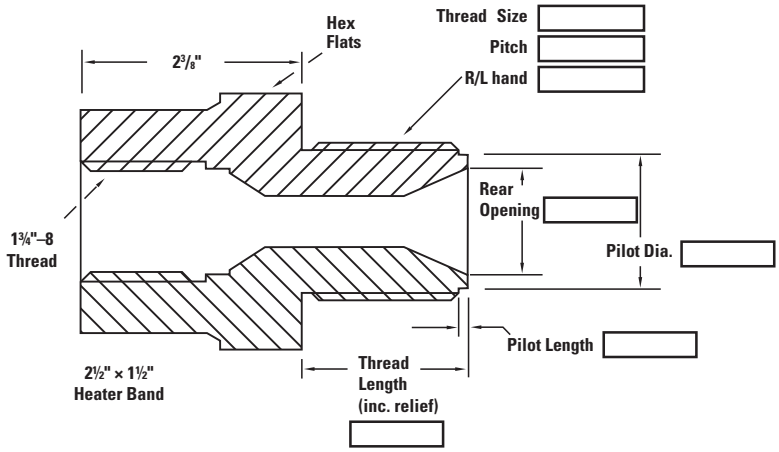




Item	Part Number
Adapter	**TMPA**
Filter	**TMF40**
5" Nozzle (including Tip)	**VR5AT**

General purpose

If your nozzle thread specification is not shown on the following pages, please complete the dimensional data shown above and send to DME [888-808-4363 (fax) or DME@dme.net.]



Send the information requested in the seven boxes above and tip details below to DME.

(a) Radius (flat, 1/2", 3/4", etc.) _____

(b) Orifice (from table) _____

(c) Internal Design
(general purpose, nylon reverse taper or ABS full taper) _____

ELECTRONIC QUOTE REQUEST FORM

or visit
www.dme.net/rfq

Machine Make _____ Model _____ Year _____

Company: _____
Account Number: _____
Address: _____
City: _____
State/Zip: _____

Contact Name: _____
Phone: _____
Fax : _____
E-mail: _____

Simple behind-the-tip filter that installs in minutes

Low-cost, effective device to aid in color dispersion with minimum pressure drop. Disk is located in front portion of nozzle, directly behind nozzle tip or in front portion of nozzle (requires recess in tip or nozzle). Removes fish eyes and unplasticized particles. Also provides general dispersion.

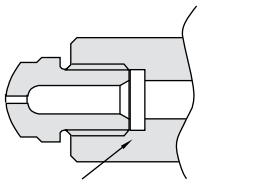
Dispersion Disk Filter

FD001 49 × 0.025″ holes
FD002 37 × 0.031″ holes
FD003 7 × 0.093″ holes

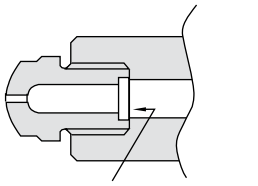
Nozzle Recess

DD1 9 × .045″ holes

METAL FILTERS-DISPERSION DISK

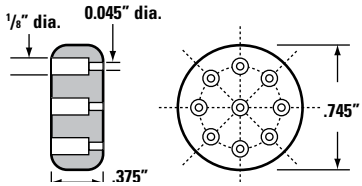


Filter Disk DD1 recessed into nozzle

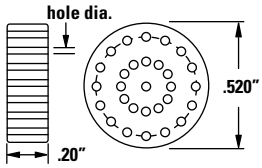


Filter Disk FD001-3 recessed into tip

DD1 Nozzle Recess Filter

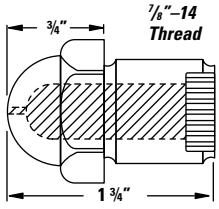


FD001, FD002 & FD003 Nozzle Tip Recess Filter



Filter Type:	Hole Qty.	Dia.
FD001	49	.025″
FD002	37	.031″
FD003	7	.093″

Software Compatibility



FD-type filter disk in machined recess (rear of regular tip)

Recess Tips: To be used with FD series filters

Part Number	Radius	Description
RTR15*	1/2"	General Purpose
NTR15*	1/2"	Nylon Taper
ABR15*	1/2"	ABS
RTR17*	3/4"	General Purpose
NTR17*	3/4"	Nylon Taper
ABR17*	3/4"	ABS

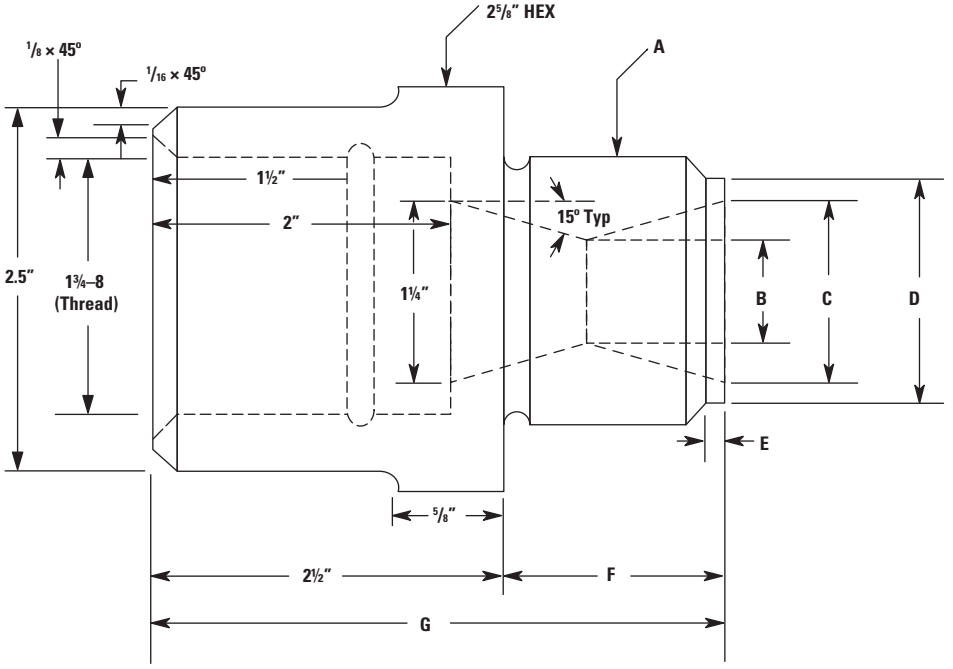
*Add letter for Orifice
Orifice = A=1/8;B=5/32;C=3/16;D=7/32;E=1/4;
F=5/16;G=3/8;H=1/16

Type	No. of Holes	Diameter of Each Hole	Total Area of Holes	Equiv. Orifice	Part Number
Nozzle Recess	9	.045″	.0143 sq. in.	0.135″	**DD1**
Tip Recess	49	.025″	.024 sq. in.	0.175″	**FD001**
Tip Recess	37	.031″	.028 sq. in.	0.189″	**FD002**
Tip Recess	7	.093″	.048 sq. in.	0.250″	**FD003**

Metal Filter Adapter

ONLINE FORM

- Use standard 1 3/4–8 Van Dorn-style nozzle
- Filter Pack made from 507 steel and hardened to 60 HRC
- Filters foreign matter & mixes color
- Split design for easy cleaning
- Large filter capacity
- Specify thread size & make of press



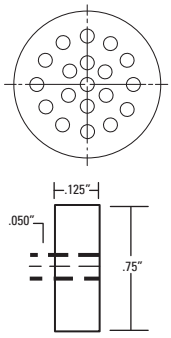
ELECTRONIC QUOTE REQUEST FORM

or visit
www.dme.net/rfq

Complete your specifications below and fax (888-808-4363) or email (DME@dme.net).

A = Thread detail _____
B = Through hole _____
C = Rear opening _____
D = Pilot dia _____
E = Pilot length _____
F = Thread length _____
G = Over all length _____

Company: _____
Account Number: _____
Address: _____
City: _____
State/Zip: _____
Contact Name: _____
Phone: _____
Fax: _____
E-mail: _____



Dispersion Disc to fit behind a STANDARD NOZZLE TIP

You asked for it, we have it! Now you can purchase a dispersion disc to fit behind your standard 7/8–14 Replaceable Nozzle Tips!

- No leakage; seals tight
- More convenient
- Improves color mixing
- More effective for removing impurities
- Made in the U.S.A.

Part Number	Dia. Hole
D34-050	0.050″
D34-025	0.025″

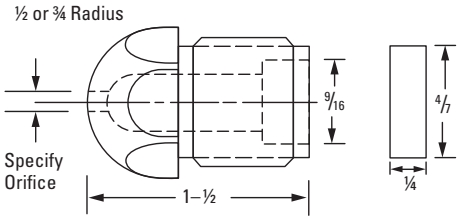
DISPERSION DISCS

9/16 Diameter Dispersion Discs

General Purpose Tip: Part No. RTGD

Nozzle counter bored for dispersion disc.

Order discs installed in a general purpose tip or separately. Available with either .025, .050 or .085 diameter holes. These tips provide quick access, improved color mixing and prevent foreign material passage.



Orfice options: 1/16, 1/4, 1/8, 5/32, 3/8, 3/16, 7/32, 5/16

.085 Dispersion Disc
Part No. D085

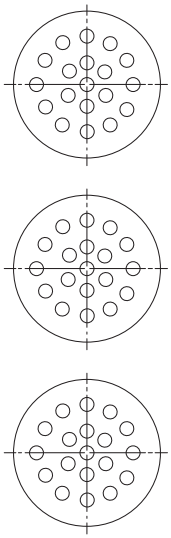
Complete assembly
(Nozzle & Disc) RTGD85

.050 Dispersion Disc
Part No. D050

Complete assembly
(Nozzle & Disc) RTGD50

.025 Dispersion Disc
Part No. D025

Complete assembly
(Nozzle & Disc) RTGD25



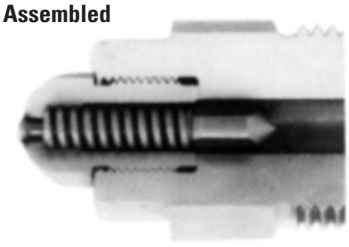
Shutoff Nozzle Tip

- Minimizes nozzle drool and sink patterns
- Installs instantly in all 7/8–14 nozzle bodies (body not included)
- The spring-loaded valve in the nozzle tip restricts material until activated by pressure
- Opens in the direction of the sprue bushing and closes until recycled

SHUTOFF NOZZLE TIP

Part Number	Radius	Orifice	Min. Sprue Bushing
SHUTOFF12-116	½″	1/16″	7/32″
SHUTOFF12-18		1/8″	9/32″
SHUTOFF12-316		3/16″	5/16″
SHUTOFF34-116	¾″	1/16″	7/32″
SHUTOFF34-18		1/8″	9/32″
SHUTOFF34-316		3/16″	5/16″

Assembled

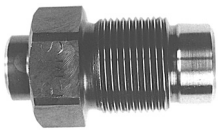


Radius: ½ or ¾ Orifice 1/16, 1/8, 3/16

OEM Replacement Tips

ARBURG

Regular Tips



Extended Tips

Replacement Arburg nozzle tips - 24/1.5mm thread, 8mm rear opening. Solid one-piece nozzles and tips. Made from hardened tool steel, use as replacement for original tips supplied by machine manufacturer. Solid, hardened tool steel. When ordering, specify radius and orifice from table below.

OEM REPLACEMENT TIPS

Tips shown above fit regular Arburg nozzles and barrel end caps.

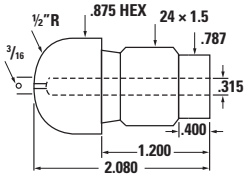
Type	OAL	L	Heater Band	Part Number
General Purpose	2¾″	1½″	1″ × ⅝″	AR2*‡
	3¾″	2½″	1″ × 1½″	AR3*‡
Nylon	2¾″	1½″	1″ × ⅝″	ARN2*‡
	3¾″	2½″	1″ × 1½″	ARN3*‡

Internal Design	Part Number
General Purpose	AR1
Nylon	ARN1

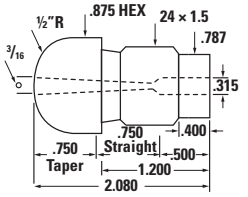
* add corresponding Orifice letter to part number
‡ add corresponding Radius number to part number

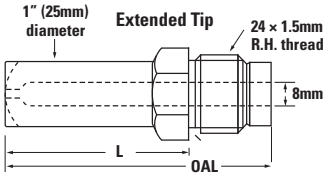
see key to the right for O & R data

General Purpose



Nylon





Orifice and Radius Key

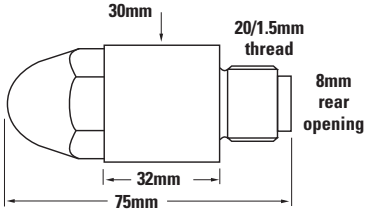
O =			R =
⅛ = A	7/32 = D	⅜ = G	Flat = 0
5/32 = B	¼ = E	**1/16 = H	½ = 5
3/16 = C	5/16 = F		¾ = 7

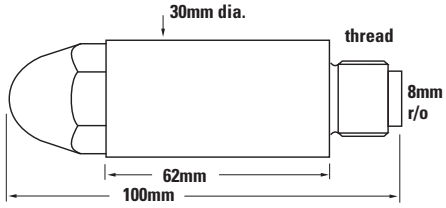
** only available on General Purpose

NISSEI

Part Number	Length
NIS1	75mm
NIS2	100mm

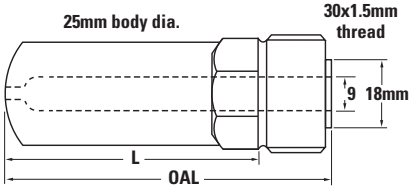
Replacement Nissei nozzle tips. Solid hardened tool steel. When ordering, specify thread, length, radius and orifice. Standard tip used on 2A and 5A machines.

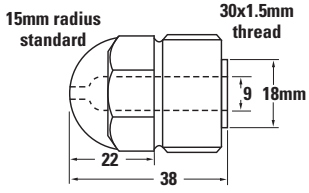




KLOCKNER

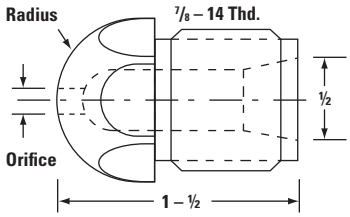
Replacement Klockner nozzle tips. 30/1.5mm thread, 9mm and 1/2″ rear opening. Solid, hardened tool steel. When ordering specify length, radius and orifice.



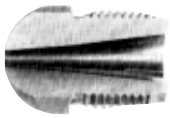


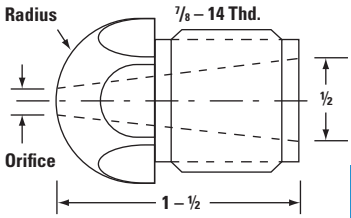
Rear Opening	OAL	Part Number
9mm	38mm	KLCS1
9mm	66mm	KLCS2
9mm	86mm	KLCS3
½″	38mm	KLBS1
½″	66mm	KLBS2
½″	86mm	KLBS3

General Purpose

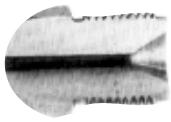


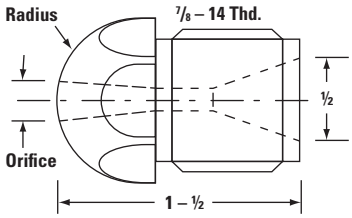
Full Taper





Nylon





Chromium Vanadium Tungsten tool steel replacement tips - high-quality and economically priced! Precision crafted and hardened to 46-48 HRC to offer optimum performance under the most demanding applications. Please see pages 166 and 168 for extension tips.

Sizes		Gen. Purpose	Nylon	Full Taper
Radius	Orifice	Part Number	Part Number	Part Number
1/2″	1/16″	RT15H		
	1/8″	RT15A	NT15A	AB15A
	5/32″	RT15B	NT15B	AB15B
	3/16″	RT15C	NT15C	AB15C
	1/4″	RT15E	NT15E	AB15E
	5/16″	RT15F	NT15F	AB15F
	3/8″	RT15G	NT15G	AB15G
3/4″	1/16″	RT17H		
	1/8″	RT17A	NT17A	AB17A
	5/32″	RT17B	NT17B	AB17B
	3/16″	RT17C	NT17C	AB17C
	1/4″	RT17E	NT17E	AB17E
	5/16″	RT17F	NT17F	AB17P
	3/8″	RT17G	NT17G	AB17G

REPLACEMENT HARD TIPS

Extension Hard Tips

46-48 HRC

General Purpose

Chromium Vanadium Tungsten tool steel replacement tips - high-quality and economically priced! Precision crafted to offer optimum performance under the most demanding applications.

Nickel Copper Tips

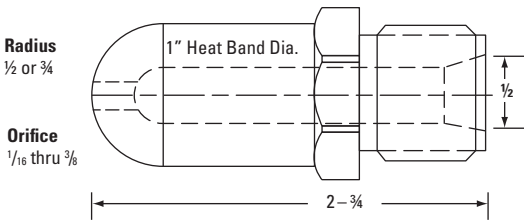
OAL	Nozzle Radius Flat	½″	¾″	Heater Width
2¾″	BRT20*	BRT25*	BRT27*	1″
3¾″	BRT30*	BRT35*	BRT37*	2¼″

*Specify orifice based on table above

Hardened Chrom./Van./Tungsten Tool Steel

OAL	Flat	Nozzle Radius ½″	¾″	Heater Width
2¾″	RT20*	RT25*	RT27*	1″
3¾″	RT30*	RT35*	RT37*	2¼″
5″	RT50*	RT55*	RT57*	3¼″
6″	RT60*	RT65*	RT67*	4¼″

*Specify orifice based on table to the right



EXTENSION HARD TIPS

Orifice

O =		
1/8 = A	7/32 = D	3/8 = G
5/32 = B	1/4 = E	**1/16 = H
3/16 = C	5/16 = F	

** only available on General Purpose

46-48 HRC

Nylon

Nylon Reverse Taper Tool Steel

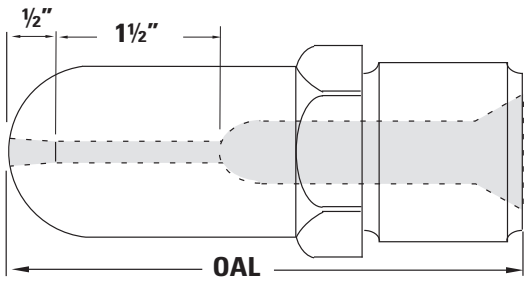
OAL	Nozzle Radius Flat	½″	¾″	Heater Width
2¾″	NT20*	NT25*	NT27*	1″
3¾″	NT30*	NT35*	NT37*	2¼″
5″	NT50*	NT55*	NT57*	3¼″

*Specify orifice based on table above right

Nylon Reverse Taper Nickel Copper Tips

OAL	Nozzle Radius Flat	½″	¾″	Heater Width
2¾″	BNT20*	BNT25*	BNT27*	1″
3¾″	BNT30*	BNT35*	BNT37*	2¼″

*Specify orifice based on table above right



Orifice

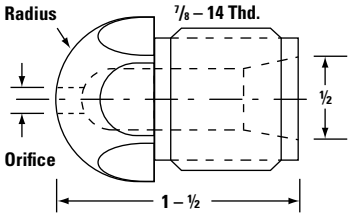
O =		
1/8 = A	7/32 = D	3/8 = G
5/32 = B	1/4 = E	**1/16 = H
3/16 = C	5/16 = F	

** only available on General Purpose

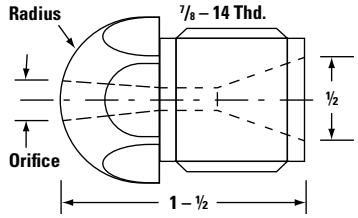
Replacement Soft Tips

34-36 HRC

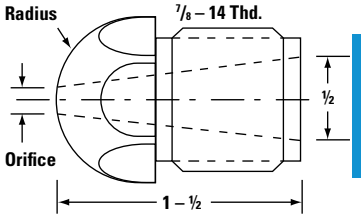
General Purpose



Nylon



Full Taper



B

Hardened to 34-36 HRC and precision manufactured to offer quality at an affordable price.
Please see pages 166 and 168 for extension tips.

Sizes		G. Purpose	Nylon	Full Taper
Radius	Orifice	Part Number	Part Number	Part Number
1/2"	1/16"	RTG12-116		
	3/32"	RTG12-332		
	1/8"	RTG12-18	RTN12-18	RTT12-18
	5/32"	RTG12-532	RTN12-532	RTT12-532
	3/16"	RTG12-316	RTN12-316	RTT12-316
	1/4"	RTG12-14	RTN12-14	RTT12-14
	5/16"	RTG12-516		
	3/8"	RTG12-38	RTN12-38	RTT12-38
	1/2"	RTG12-12		
3/4"	1/16"	RTG34-116		
	3/32"	RTG34-332		
	1/8"	RTG34-18	RTN34-18	RTT34-18
	5/32"	RTG34-532	RTN34-532	RTT34-532
	3/16"	RTG34-316	RTN34-316	RTT34-316
	1/4"	RTG34-14	RTN34-14	RTT34-14
	5/16"	RTG34-516		
	3/8"	RTG34-38	RTN34-38	RTT34-38
	1/2"	RTG34-12		

REPLACEMENT SOFT TIPS

This product is not compatible with the FD001

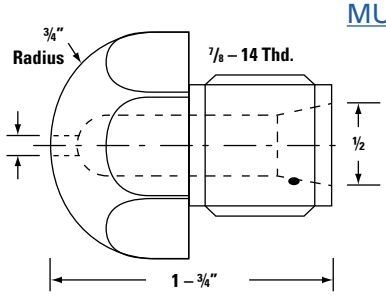
Large Radius "Mushroom" Tip

Extra surface area for a better seal. Fits all standard 7/8-14 thread nozzles.

General Purpose		
Sizes		Part Number
Radius	Orifice	
3/4"	1/8"	RTGM34-18
	3/16"	RTGM34-316
	1/4"	RTGM34-14
	3/8"	RTGM34-38
	1/2"	RTGM34-12

Nylon & Full Taper available by request

MUSHROOM TIPS



Extension Soft Tips

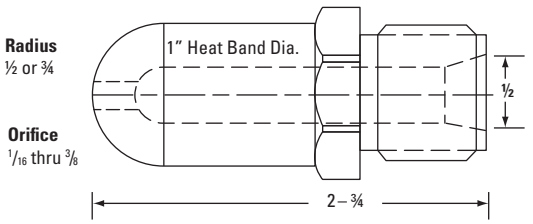
37 HRC

General Purpose		
Part Number	**Length**	**Heater Width**
RTXGR*	2¾″	1″
RTXGR4*	4″	2¼″
RTXGR5*	5″	3¼″
RTXGR6*	6″	4¼″
RTXGR8*	6″	4¼″

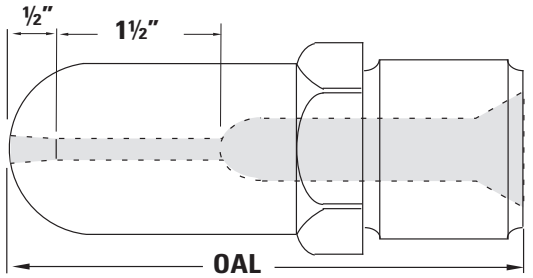
*Specify radius (flat, 1/2″ or 3/4″) and orifice (1/16″, 1/8″, 5/32″, 3/16″, 7/32″, 1/4″, 5/16″, 3/8″)

Standard Nylon		
Part Number	**Length**	**Heater Width**
RTXNR*	2¾″	1″
RTXNR4*	4″	2¼″
RTXNR5*	5″	3¼″
RTXNR6*	6″	4¼″

*Specify radius (flat, 1/2″ or 3/4″) anorifice (1/16″, 1/8″, 5/32″, 3/16″, 7/32″, 1/4″, 5/16″, 3/8″)



EXTENSION SOFT TIPS



Beryllium Replacement Tips

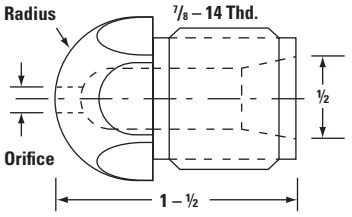
31 HRC

Beryllium - 31 Rockwell "C" Scale Tool Steel

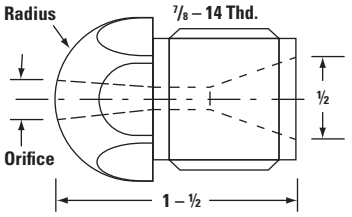
Beryllium provides maximum heat transfer and is perfectly suited to mate with your sprue bushing without causing damage. Reduces tip "freeze-up" and allows molding at lower nozzle temperatures.

BERYLLIUM REPLACEMENT TIPS

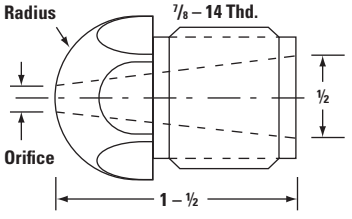
Sizes		G. Purpose	Nylon	Full Taper
Radius	**Orifice**	**Part Number**	**Part Number**	**Part Number**
½″	1/8″	**BRT15A**	**BNT15A**	**BAB15A**
	5/32″	**BRT15B**	**BNT15B**	**BAB15B**
	3/16″	**BRT15C**	**BNT15C**	**BAB15C**
	¼″	**BRT15E**	**BNT15E**	**BAB15E**
¾″	1/8″	**BRT17A**	**BNT17A**	**BAB17A**
	5/32″	**BRT17B**	**BNT17B**	**BAB17B**
	3/16″	**BRT17C**	**BNT17C**	**BAB17C**
	¼″	**BRT17E**	**BNT17E**	**BAB17E**



General Purpose



Nylon



Full Taper

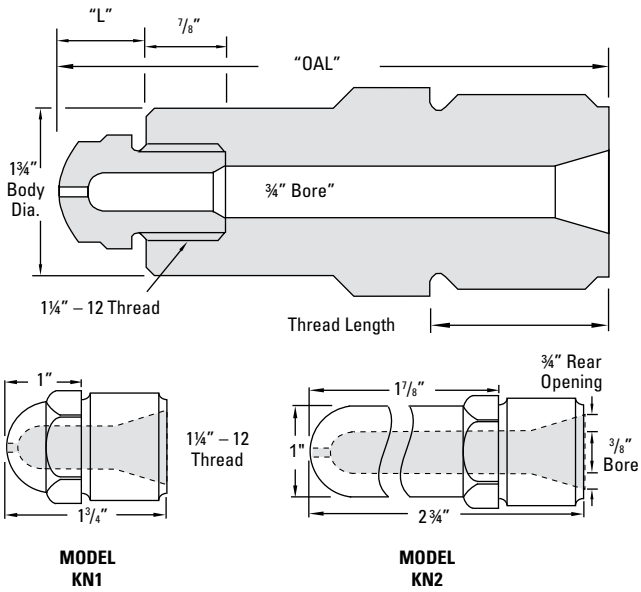
Oversize Nozzle Bodies

For Extra Large Shots

A 3/4" bore provides over double the flow area compared with standard nozzles. Standard nozzles have a 1/2" bore diameter which provides a cross-section flow area of .196 in². These large bore nozzles have a 3/4" bore diameter which provides a full .44 in² flow area, allowing throughput of 2 1/4 times that possible with regular nozzles.

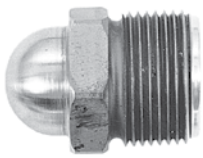
Recommended in place of industry standard 1/2" thru-hole nozzles when molding very large shots. Gradual reduction in cross-sectional area of flow path causes less material turbulence and results in less back pressure. There is also less chance of overheating material due to sudden pressure increase. Available for any make and model machine in lengths from 5" to 20".

B

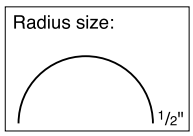


Replacement Tips

3/4" bore provides 2 1/4 times the throughput of regular nozzles



1¼"–12 Thread



Hardened tool steel 48-52 HRC

Orifice	1/16"	1/8"	5/32"	3/16"	7/32"	1/4"	5/16"	3/8"
Part No. Suffix	H	A	B	C	D	E	F	G

1/16" orifice only available in General Purpose Style

Part Number	Radius	OAL	Description
KN15*	1/2"	1.75"	STANDARD TIP L 1"
KN17*	3/4"	1.75"	STANDARD TIP L 1"
KN25*	1/2"	2.75"	O/S EXTENDED TIP L 1.875"

*Add Orifice letter designation from Orfice chart

How to Order:

1. Specify make and model of machine plus style of nozzle
2. Specify radius and orifice options—TC hole on hex flat

Solid Nozzles – Tool Steel

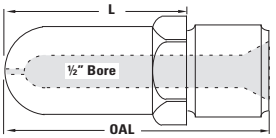
ONLINE FORM

Internal Design

General Purpose

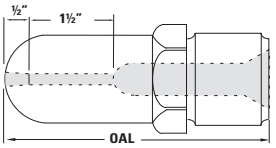
Standard, free-flow internal design General Purpose Nozzle, provides minimum flow resistance and back pressure buildup; ½" diameter flow path unless otherwise stated.

Hardened Chrome Vanadium tool steel for long life



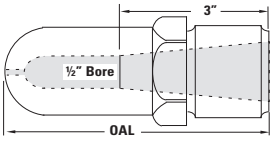
Nylon Reverse Taper

For use with polyamides, acrylics and similar expansive and heat-sensitive materials. Material flows 1½"through 1/8" diameter-restricted throat into 1" long reverse taper. Sprue breaks inside nozzle providing expansion area and reducing drool.



Full Taper - ABS

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and areas of hangup. Recommended large orifices for minimum flow resistance.
Taper 3" longitudinal distance from rear opening to 1/2" internal bore.



Description	Total Length
Thread Dia. up to 2" (50mm)	5"
	6"
	7"
	8"
	9"
	10"
	12"
	14"
	16"
	18"
	20"

Description	Total Length
Thread Dia. 2⅛" to 2¾" (51mm to 69mm)	5"
	6"
	7"
	8"
	9"
	10"
	12"
	14"
	16"
	18"
	20"

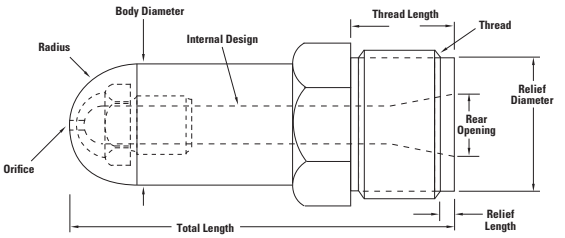
Hardened Chrome Vanadium tool steel polished to mirror finish to provide smooth material flow path. These nozzles will provide far greater life and superior flow characteristics than relatively soft, "T" - condition nozzles.

How to Order:

1. Specify make and model of machine plus style of nozzle.
2. Specify radius and orifice. Options—TC hole on hex flat

ELECTRONIC QUOTE REQUEST FORM

or visit
www.dme.net/rfq



Complete the information below and fax to DME at (248-544-5113) or email to DME@dme.net.

1. Total Length ____
2. Thread Length ____
3. Thread Type (1 1/2" – 12 etc.)
4. Rear Opening ____
5. Body Diameter (1", 1 1/2", 2")
6. Radius (Flat, 1/2", 3/4", 35mm)
7. Orifice ____
8. Internal Design (general purpose, nylon reverse taper or ABS full taper) ____
9. Relief Diameter ____
10. Relief Length ____

MACHINE MAKE: _____ MODEL _____ YEAR _____

Company: _____ Contact Name: _____
Account Number: _____ Phone: _____
Address: _____ Fax : _____
City: _____ E-mail: _____

To determine the proper heater band size to fit your nozzle, simply refer to the "H.B. Code" (A, B, C or D) listed beside the nozzle you are purchasing (pages 175–191), then refer to the table below. For example, a NM6 nozzle body and tip is shown as "N.B. Code B" and would require a 1½" × 2½" heater band. For complete listing of nozzle heater bands, see pages 496–497 of this catalog.

Flange Lock Nozzle Band

Flange Lock Nozzle Band with armor leads.

Wedge Lock Nozzle Band for recessed sprues.

NOZZLE BANDS

Table shows heater band required for each nozzle length. (Find code for your nozzle in listings on following pages.)

Nozzle OAL	N.B. Code				
	A	B	C	D	E
3¾"	1½" × 1"	–	–	–	–
5"	1½" × 2"	1½" × 1½"	1½" × 1"	1½" × ⅝"	–
6"	1½" × 3"	1½" × 2½"	1½" × 2"	1½" × 1½"	1½" × 1"
7"	1½" × 4"	1½" × 3"	1½" × 3"	1½" × 2½"	1½" × 2"
8"	1½" × 5"	1½" × 4"	1½" × 4"	1½" × 3"	1½" × 3"
9"	1½" × 6	1½" × 5"	1½" × 5"	1½" × 4"	1½" × 4"
10"	1½" × 4"	1½" × 4"	1½" × 6"	1½" × 5"	1½" × 5"
	1½" × 3"	1½" × 2½"	–	–	–
12"	1½" × 5"	1½" × 4"	1½" × 4"	1½" × 5"	1½" × 5"
	1½" × 4	(2 pcs.)	(2 pcs.)	1½" × 2½"	1½" × 2"
14"	1½" × 6"	1½" × 5"	1½" × 5"	1½" × 4"	1½" × 4"
	1½" × 5"	(2 pcs.)	(2 pcs.)	1½" × 5"	1½" × 5"
16"	1½" × 6"	1½" × 6"	1½" × 6"	1½" × 5"	1½" × 5"
	(2 pcs.)	(2 pcs.)	(2 pcs.)	1½" × 6"	1½" × 6"
18"	1½" × 5"	1½" × 5"	1½" × 5"	1½" × 5"	1½" × 5"
	(3 pcs.)	(2 pcs.)	(2 pcs.)	1½" × 4"	1½" × 4"
	1½" × 4"	1½" × 4"	(2 pcs.)	(2 pcs.)	–
20"	1½" × 6"	1½" × 6"	1½" × 6"	1½" × 5"	1½" × 5"
	(2 pcs.)	(2 pcs.)	(2 pcs.)	(3 pcs.)	(3 pcs.)
	1½" × 5"	1½" × 4"	1½" × 4"	–	–

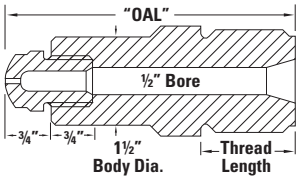
Removable Tip Nozzles

Below is a partial list of machine makes for which we make nozzles.
If you don't see your model, call DME;
we often make nozzles to meet custom specifications!

Advanced
Ankerwerke
Aoki
Arburg
Autojectors
Battenfeld
Beloit
Billion
Bipel
Bone Craven
Boy
Buhler
Butler Smith
Chaun Lih Fa
Chen Hsong
Cincinnati Milacron
Demag
Dematttia
Desma
Edgewick
Engel
Esaco
Fahr Bucher
Fellows
Fortune
Fu Chen Shine
Goldstar
HPM
Herbert
Hull/Meiki
Husky
Idra
IMI
Impco
JSW
Kawaguchi
Klockner
Krauss Maffei
Krupps
Kuasy
Lombard
Metalmec
Meteor
Mir
Mitsubishi
Natco
Negri Bossi
Netstal
New Britain
Newbury
Niigata
Nissei
Oima
Peco
Plastjet
Reed Prentice
Reifenhauser
Sandretto
Shinwa Seiki
Stokes
Stork Reed
Stubbe
Sumitomo
Sungchuan
TMC
Toshiba
Toyo
Trubor
Turner
Unitek
USM/Farrel
Van Dorn
Windsor

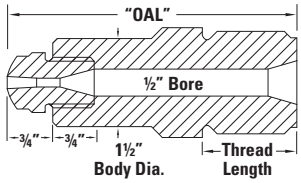
The following pages list some of our more common nozzles

ARBURG



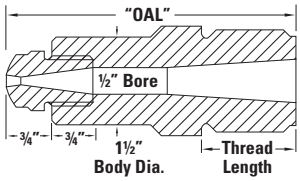
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

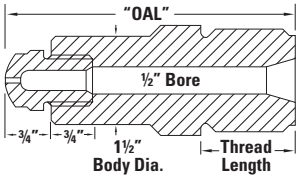
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Arburg					
(A)	24/1.5 RH	10mm	3¾"	AW3	
			5"	AW5	
			6"	AW6	
(A)	30/1.5	24mm	3¾"	AL3	AL3C
			5"	AL5	AL5C
			6"	AL6	AL6C
(A)	35/1.5 (LH/RH)	18mm	3¾"	AR3	AR3C
			5"	AR5	AR5C
			6"	AR6	AR6C
(A)	35/2LH	18mm	3¾"	ABA3	ABA3C
			5"	ABA5	ABA5C
			6"	ABA6	ABA6C
(B)	36/2LH	22mm	3¾"	ABB3	ABB3C
			5"	ABB5	ABB5C
			6"	ABB6	ABB6C
(B)	45/1.5 (LH/RH)	22mm	3¾"	AB3	AB3C
			5"	AB5	AB5C
			6"	AB6	AB6C
(B)	45/1.5 LH	25mm	3¾"	AG3	AG3C
			5"	AG5	AG5C
			6"	AG6	AG6C
(A)	45/1.5	30mm	3¾"	ABF3	ABF3C
			5"	ABF5	ABF5C
			6"	ABF6	ABF6C
(B)	45/2	18mm	3¾"	ABE3	ABE3C
			5"	ABE5	ABE5C
			6"	ABE6	ABE6C
(B)	45/2LH	22mm	3¾"	AA3	AA3C
			5"	AA5	AA5C
			6"	AA6	AA6C
(B)	45/2LH	25mm	3¾"	AC3	AC3C
			5"	AC5	AC5C
			6"	AC6	AC6C
			8"	AC8	AC8C
(B)	45/2LH	30mm	3¾"	AD3	AD3C
			5"	AD5	AD5C
			6"	AD6	AD6C
(B)	50/2 LH or RH	30mm	3¾"	AU3	AU3C
			5"	AU5	AU5C
			6"	AU6	AU6C
			8"	AU8	AU8C

Removable Tip Nozzle Bodies

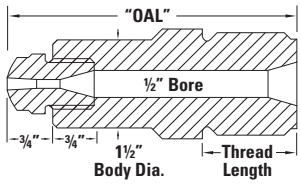
ARBURG BATTENFELD

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Arburg (cont.)					
(B)	50/2LH	35mm	3¾″	AF3	AF3C
			5″	AF5	AF5C
			6″	AF6	AF6C
			7″	AF7	AF7C
(A)	52/2LH	15mm	3¾″	AZ3	AZ3C
			5″	AZ5	AZ5C
			6″	AZ6	AZ6C
			7″	AZ7	AZ7C
(A)	52/2	30mm	3¾″	AP3	AP3C
			5″	AP5	AP5C
			6″	AP6	AP6C
(B)	52/2	35mm	5″	ABD5	ABD5C
			6″	ABD6	ABD6C
(B)	55/2LH	30mm	3¾″	AM3	AM3C
			5″	AM5	AM5C
			6″	AM6	AM6C
(B)	55/2LH	40mm	5″	AH5	AH5C
			6″	AH6	AH6C
			8″	AH8	AH8C
(B)	60/2LH	45mm	3¾″	AK3	AK3C
			5″	AK5	AK5C
			6″	AK6	AK6C
Battenfeld					
(A)	32/2	21mm	3¾″	GN3	GN3C
			5″	GN5	GN5C
			6″	GN6	GN6C
			7″	GN7	GN7C
			8″	GN8	GN8C
(A)	35/2	12mm	3¾″	BSF3	
			5″	BSF5	
			6″	BSF6	
			7″	BSF7	
(B)	35/2	½″	3¾″	BS3	
			5″	BS5	
			6″	BS6	
			7″	BS7	
			8″	BS8	
(A)	35/2	18mm	3¾″	BSD3	BSD3C
			5″	BSD5	BSD5C
			6″	BSD6	BSD6C
			7″	BSD7	BSD7C
			8″	BSD8	BSD8C



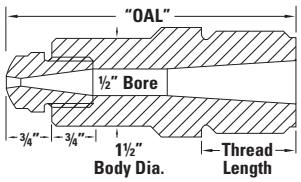
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; ½″ flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



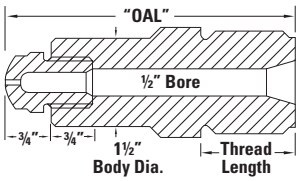
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

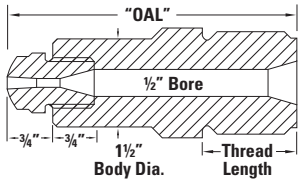
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

BATTENFELD



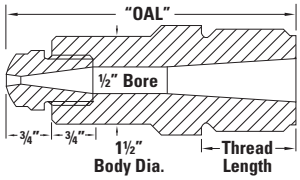
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

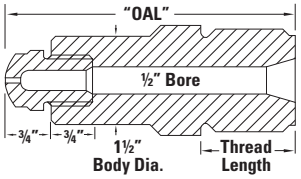
Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Battenfeld (cont.)					
(A)	35/2	¾"	3¾"	**BL3**	**BL3C**
			5"	**BL5**	**BL5C**
			6"	**BL6**	**BL6C**
			7"	**BL7**	**BL7C**
			8"	**BL8**	**BL8C**
(A)	35/2 T/L 1"	21mm	3¾"	**GO3**	**GO3C**
			5"	**GO5**	**GO5C**
			6"	**GO6**	**GO6C**
			7"	**GO7**	**GO7C**
			8"	**GO8**	**GO8C**
			10"	**GO10**	**GO10C**
			12"	**GO12**	**GO12C**
			14"	**GO14**	**GO14C**
(A)	35/2 T/L 1.12"	21mm	3¾"	**BF3**	**BF3C**
			5"	**BF5**	**BF5C**
			6"	**BF6**	**BF6C**
			7"	**BF7**	**BF7C**
			8"	**BF8**	**BF8C**
(A)	35/2 T/L 30mm	22mm	3¾"	**BD3**	**BD3C**
			5"	**BD5**	**BD5C**
			6"	**BD6**	**BD6C**
			7"	**BD7**	**BD7C**
			8"	**BD8**	**BD8C**
(A)	35/2 T/L 26mm	25mm	3¾"	**GL3**	**GL3C**
			5"	**GL5**	**GL5C**
			6"	**GL6**	**GL6C**
			7"	**GL7**	**GL7C**
			8"	**GL8**	**GL8C**
			9"	**GL9**	**GL9C**
			10"	**GL10**	**GL10C**
			12"	**GL12**	**GL12C**
			14"	**GL14**	**GL14C**
(C)	40/2	½"	5"	**BO5**	
			6"	**BO6**	
			7"	**BO7**	
			8"	**BO8**	
(A)	40/2	21mm	3¾"	**BZ3**	**BZ3C**
			5"	**BZ5**	**BZ5C**
			6"	**BZ6**	**BZ6C**
			7"	**BZ7**	**BZ7C**
			8"	**BZ8**	**BZ8C**

B

Removable Tip Nozzle Bodies

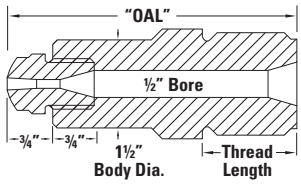
BATTENFELD

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Battenfeld (cont.)					
(A)	40/2	25mm	5″	**BA5**	**BA5C**
			6″	**BA6**	**BA6C**
			7″	**BA7**	**BA7C**
			8″	**BA8**	**BA8C**
			10″	**BA10**	**BA10C**
(A)	40/2	30mm, T/L 24mm	3¾″	**BT3**	**BT3C**
			5″	**BT5**	**BT5C**
			6″	**BT6**	**BT6C**
			7″	**BT7**	**BT7C**
			8″	**BT8**	**BT8C**
(A)	40/2	30mm, T/L 29mm	3¾″	**BSI3**	**BSI3C**
			5″	**BSI5**	**BSI5C**
			6″	**BSI6**	**BSI6C**
			7″	**BSI7**	**BSI7C**
			8″	**BSI8**	**BSI8C**
(B)	44/3	23mm	5″	**BSH5**	**BSH5C**
			6″	**BSH6**	**BSH6C**
			7″	**BSH7**	**BSH7C**
			8″	**BSH8**	**BSH8C**
(A)	45/2	34mm	5″	**BW5**	**BW5C**
			6″	**BW6**	**BW6C**
			7″	**BW7**	**BW7C**
			8″	**BW8**	**BW8C**
(A)	45/2	35mm	5″	**BM5**	**BM5C**
			6″	**BM6**	**BM6C**
			7″	**BM7**	**BM7C**
			8″	**BM8**	**BM8C**
(B)	48/3TR	30mm	5″	**BSG5**	**BSG5C**
			6″	**BSG6**	**BSG6C**
			7″	**BSG7**	**BSG7C**
			8″	**BSG8**	**BSG8C**
(B)	50/2	½″	3¾″	**BSC3**	
			5″	**BSC5**	
			6″	**BSC6**	
			7″	**BSC7**	
			8″	**BSC8**	
(B)	50/2	26mm	3¾″	**BSB3**	**BSB3C**
			5″	**BSB5**	**BSB5C**
			6″	**BSB6**	**BSB6C**
			7″	**BSB7**	**BSB7C**
			8″	**BSB8**	**BSB8C**



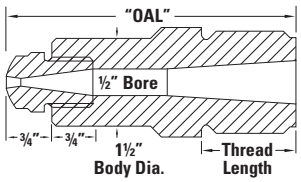
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; ½″ flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



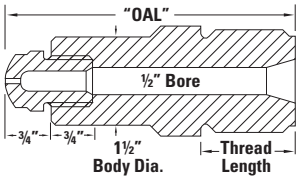
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

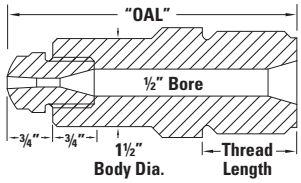
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

BATTENFELD CINCINNATI



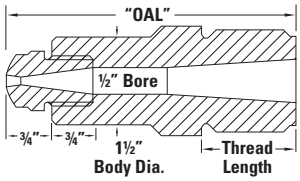
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

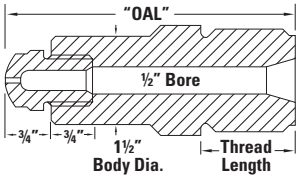
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Battenfeld (cont.)					
(C)	65/3	2″	6″	BK6	BK6C
			7″	BK7	BK7C
			8″	BK8	BK8C
			9″	BK9	BK9C
			10″	BK10	BK10C
Cincinnati Milacron					
(A)	1¼″–12	¾″	3¾″	CC3	CC3C
			5″	CC5	CC5C
			6″	CC6	CC6C
			7″	CC7	CC7C
			8″	CC8	CC8C
(C)	1½″–12	½″	3¾″	CN3	
			5″	CN5	
			6″	CN6	
			7″	CN7	
			8″	CN8	
			9″	CN9	
			10″	CN10	
			12″	CN12	
			14″	CN14	
			16″	CN16	
			18″	CN18	
			20″	CN20	
(B)	1½″–12	⅝″	3¾″	CA3	CA3C
			5″	CA5	CA5C
			6″	CA6	CA6C
			7″	CA7	CA7C
			8″	CA8	CA8C
			9″	CA9	CA9C
			10″	CA10	CA10C
			12″	CA12	CA12C
(C)	42/2mm	18mm	3¾″	CB3	CB3C
			5″	CB5	CB5C
			6″	CB6	CB6C
			7″	CB7	CB7C
			8″	CB8	CB8C

Removable Tip Nozzle Bodies

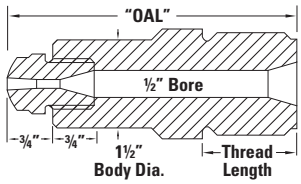
CINCINNATI ENGEL

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Cincinnati Milacron (cont.)					
(B)	1¾″–8	¾″	3¾″	NM3	NM3C
			5″	NM5	NM5C
			6″	NM6	NM6C
			7″	NM7	NM7C
			8″	NM8	NM8C
			9″	NM9	NM9C
			10″	NM10	NM10C
			12″	NM12	NM12C
			14″	NM14	NM14C
			16″	NM16	NM16C
			18″	NM18	NM18C
			20″	NM20	NM20C
(B)	45/2	¾″	5″	CI5	CI5C
			6″	CI6	CI6C
			7″	CI7	CI7C
			8″	CI8	CI8C
(C)	2″–8	1″	6″	CS6	CS6C
			7″	CS7	CS7C
			8″	CS8	CS8C
			9″	CS9	CS9C
			10″	CS10	CS10C
			12″	CS12	CS12C
(B)	36/4	16mm	3¾″	CT3	CT3C
			5″	CT5	CT5C
			6″	CT6	CT6C
			7″	CT7	CT7C
			8″	CT8	CT8C
Engel					
(A)	⅞″–14	11mm	3¾″	ENC3	
			5″	ENC5	
			6″	ENC6	
90	25/3	20mm	3¾″	EXD3	EXD3C
			5″	EXD5	EXD5C
			6″	EXD6	EXD6C
			7″	EXD7	EXD7C
			8″	EXD8	EXD8C
(A)	28/1.5	12mm	3¾″	ET3	
			5″	ET5	
			6″	ET6	
			7″	ET7	
			8″	ET8	



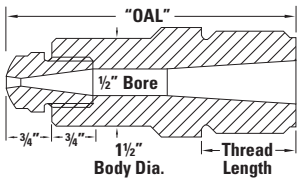
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2″ flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



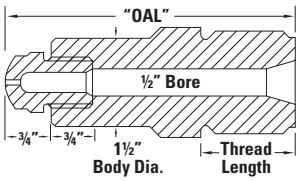
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

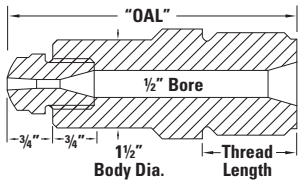
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

ENGEL



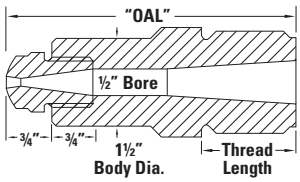
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

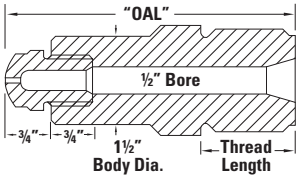
Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Engel (cont.)					
(A)	30/2	10mm (uses ½")	3¾"	ENN3	
			5"	ENN5	
			6"	ENN6	
			7"	ENN7	
			8"	ENN8	
(A)	1¼"–9 BSF	⅞"	3¾"	EV3	EV3C
			5"	EV5	EV5C
			6"	EV6	EV6C
			7"	EV7	EV7C
			8"	EV8	EV8C
(A)	1¼"-10	½"	3¾"	ENK3	
			5"	ENK5	
			6"	ENK6	
			7"	ENK7	
			8"	ENK8	
			9"	ENK9	
(A)	1¼"–10	¾"	3¾"	END3	END3C
			5"	END5	END5C
			6"	END6	END6C
			7"	END7	END7C
			8"	END8	END8C
			9"	END9	END9C
(A)	1¼"–10	21.2mm	3¾"	ENJ3	ENJ3C
			5"	ENJ5	ENJ5C
			6"	ENJ6	ENJ6C
			7"	ENJ7	ENJ7C
			8"	ENJ8	ENJ8C
			9"	ENJ9	ENJ9C
(B)	1¼" BSF	26.5	3¾"	EE3	EE3C
			5"	EE5	EE5C
			6"	EE6	EE6C
			7"	EE7	EE7C
			8"	EE8	EE8C
(A)	32/2.5	20mm	3¾"	ES3	ES3C
			5"	ES5	ES5C
			6"	ES6	ES6C
			7"	ES7	ES7C
			8"	ES8	ES8C
(A)	32/1.5	20mm	3¾"	EX3	EX3C
			5"	EX5	EX5C
			6"	EX6	EX6C
			7"	EX7	EX7C
			8"	EX8	EX8C

B

Removable Tip Nozzle Bodies

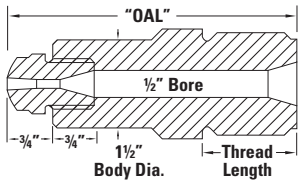
ENGEL

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Engel (cont.)					
(A)	35/2	16mm	3¾″	EA3	EA3C
			5″	EA5	EA5C
			6″	EA6	EA6C
			7″	EA7	EA7C
			8″	EA8	EA8C
(A)	35/2	22mm	3¾″	ENG3	ENG3C
			5″	ENG5	ENG5C
			6″	ENG6	ENG6C
			7″	ENG7	ENG7C
			8″	ENG8	ENG8C
(A)	36/1.5	22mm	3¾″	EM3	EM3C
			5″	EM5	EM5C
			6″	EM6	EM6C
			7″	EM7	EM7C
			8″	EM8	EM8C
(A)	40/2	24mm	3¾″	EI3	EI3C
			5″	EI5	EI5C
			6″	EI6	EI6C
			7″	EI7	EI7C
			8″	EI8	EI8C
(A)	40/2	26mm	3¾″	EH3	EH3C
			5″	EH5	EH5C
			6″	EH6	EH6C
			7″	EH7	EH7C
			8″	EH8	EH8C
(A)	40/2	25mm	3¾″	EJ3	EJ3C
			5″	EJ5	EJ5C
			6″	EJ6	EJ6C
			7″	EJ7	EJ7C
			8″	EJ8	EJ8C
(A)	40/2	27.5	3¾″	ENB3	ENB3C
			5″	ENB5	ENB5C
			6″	ENB6	ENB6C
			7″	ENB7	ENB7C
			8″	ENB8	ENB8C
(A)	40/3	1″	3¾″	ENA3	ENA3C
			5″	ENA5	ENA5C
			6″	ENA6	ENA6C
			7″	ENA7	ENA7C
			8″	ENA8	ENA8C
(B)	40/3	30mm	3¾″	EU3	EU3C
			5″	EU5	EU5C
			6″	EU6	EU6C
			7″	EU7	EU7C
			8″	EU8	EU8C



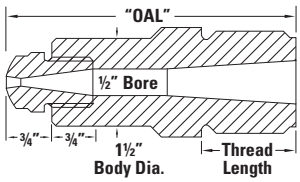
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2″ flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



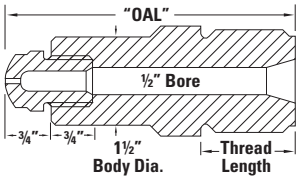
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

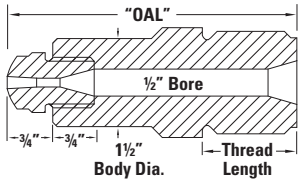
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

ENGEL



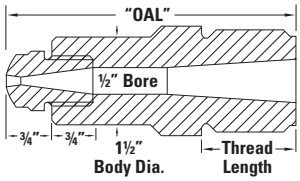
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

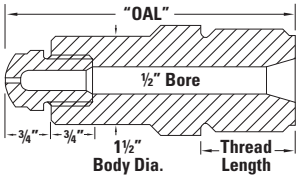
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Engel (cont.)					
(B)	45/2	16mm	3¾"	**EL3**	**EL3C**
			5"	**EL5**	**EL5C**
			6"	**EL6**	**EL6C**
			7"	**EL7**	**EL7C**
			8"	**EL8**	**EL8C**
(A)	45/2	25mm	3¾"	**ENE3**	**ENE3C**
			5"	**ENE5**	**ENE5C**
			6"	**ENE6**	**ENE6C**
			7"	**ENE7**	**ENE7C**
			8"	**ENE8**	**ENE8C**
(A)	45/2	27.5	3¾"	**EO3**	**EO3C**
			5"	**EO5**	**EO5C**
			6"	**EO6**	**EO6C**
			7"	**EO7**	**EO7C**
			8"	**EO8**	**EO8C**
(A)	45/3	½"	3¾"	**ENH3**	
			5"	**ENH5**	
			6"	**ENH6**	
			7"	**ENH7**	
			8"	**ENH8**	
(B)	45/3	¾"	3¾"	**ED3**	**ED3C**
			5"	**ED5**	**ED5C**
			6"	**ED6**	**ED6C**
			7"	**ED7**	**ED7C**
			8"	**ED8**	**ED8C**
(A)	45/3	20mm	3¾"	**EC3**	**EC3C**
			5"	**EC5**	**EC5C**
			6"	**EC6**	**EC6C**
			7"	**EC7**	**EC7C**
			8"	**EC8**	**EC8C**
(B)	45/3	32mm	3¾"	**EN3**	**EN3C**
			5"	**EN5**	**EN5C**
			6"	**EN6**	**EN6C**
			7"	**EN7**	**EN7C**
			8"	**EN8**	**EN8C**
(B)	45/3	34mm	3¾"	**ENF3**	**ENF3C**
			5"	**ENF5**	**ENF5C**
			6"	**ENF6**	**ENF6C**
			7"	**ENF7**	**ENF7C**
			8"	**ENF8**	**ENF8C**

Removable Tip Nozzle Bodies

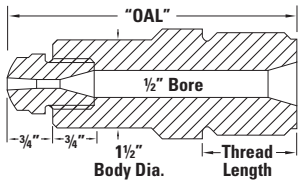
ENGEL

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Engel (cont.)					
(B)	1¾"–8	¾"	3¾"	NM3	NM3C
			5"	NM5	NM5C
			6"	NM6	NM6C
			7"	NM7	NM7C
			8"	NM8	NM8C
			9"	NM9	NM9C
			10"	NM10	NM10C
			12"	NM12	NM12C
			14"	NM14	NM14C
			16"	NM16	NM16C
(E)	52/3	16mm	5"	ENL5	ENL5C
			6"	ENL6	ENL6C
			7"	ENL7	ENL7C
			8"	ENL8	ENL8C
			9"	ENL9	ENL9C
(A)	55/3	30mm	5"	EK5	EK5C
			6"	EK6	EK6C
			7"	EK7	EK7C
			8"	EK8	EK8C
			9"	EK9	EK9C
(A)	55/3	32mm	5"	EB5	EB5C
			6"	EB6	EB6C
			7"	EB7	EB7C
			8"	EB8	EB8C
			9"	EB9	EB9C
(B)	55/3	35mm	5"	EW5	EW5C
			6"	EW6	EW6C
			7"	EW7	EW7C
			8"	EW8	EW8C
			9"	EW9	EW9C
(B)	60/2	35mm	5"	EG5	EG5C
			6"	EG6	EG6C
			7"	EG7	EG7C
			8"	EG8	EG8C
			9"	EG9	EG9C
(B)	64/2	42mm	5"	EY5	EY5C
			6"	EY6	EY6C
			7"	EY7	EY7C
			8"	EY8	EY8C
			9"	EY9	EY9C
			10"	EY10	EY10C



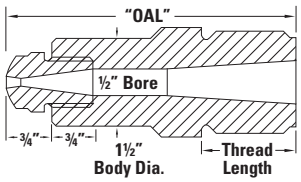
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; ½" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



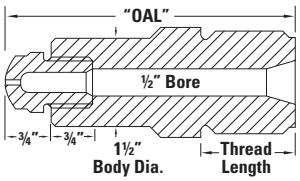
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

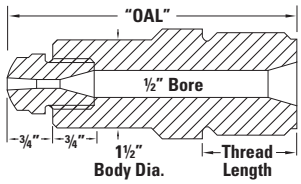
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

JSW



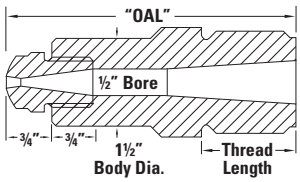
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

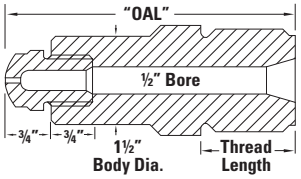
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
JSW					
(B)	44/3	20mm	3¾"	JE3	JE3C
			5"	JE5	JE5C
			6"	JE6	JE6C
			7"	JE7	JE7C
			8"	JE8	JE8C
			10"	JE10	JE10C
(B)	45/3	26mm	3¾"	JB3	JB3C
			5"	JB5	JB5C
			6"	JB6	JB6C
			7"	JB7	JB7C
			8"	JB8	JB8C
			10"	JB10	JB10C
(C)	50/3	12.5mm	3¾"	JA3	
			5"	JA5	
			6"	JA6	
			7"	JA7	
			8"	JA8	
			10"	JA10	
(A)	50/3 T/L 30mm	15mm	3¾"	JC3	JC3C
			5"	JC5	JC5C
			6"	JC6	JC6C
			7"	JC7	JC7C
			8"	JC8	JC8C
			10"	JC10	JC10C
(D)	50/3 T/L 58mm	15mm	3¾"	JW3	JW3C
			5"	JW5	JW5C
			6"	JW6	JW6C
			7"	JW7	JW7C
			8"	JW8	JW8C
			10"	JW10	JW10C
(B)	55/3	8mm	5"	JF5	
			6"	JF6	
			7"	JF7	
			8"	JF8	
			10"	JF10	
(B)	55/3	12.5mm	5"	JG5	
			6"	JG6	
			7"	JG7	
			8"	JG8	
			10"	JG10	
(B)	55/3	20mm	5"	JD5	JD5C
			6"	JD6	JD6C
			7"	JD7	JD7C
			8"	JD8	JD8C
			10"	JD10	JD10C

Removable Tip Nozzle Bodies

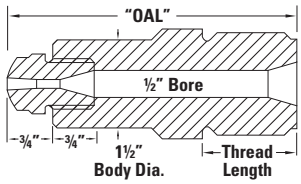
NISSEI

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Nissei					
(A)	20/1.5	8mm	3¾″	NIS3	
			5″	NIS5	
			6″	NIS6	
			7″	NIS7	
			8″	NIS8	
(A)	35/2 T/L 24mm	20mm	3¾″	NS3	NS3C
			5″	NS5	NS5C
			6″	NS6	NS6C
			7″	NS7	NS7C
			8″	NS8	NS8C
(A)	35/2 T/L 30mm	20mm	3¾″	NIA3	NIA3C
			5″	NIA5	NIA5C
			6″	NIA6	NIA6C
			7″	NIA7	NIA7C
			8″	NIA8	NIA8C
(C)	35/2 T/L 49mm	20mm	3¾″	NIC3	NIC3C
			5″	NIC5	NIC5C
			6″	NIC6	NIC6C
			7″	NIC7	NIC7C
			8″	NIC8	NIC8C
(B)	40/2	20mm	3¾″	NF3	NF3C
			5″	NF5	NF5C
			6″	NF6	NF6C
			7″	NF7	NF7C
			8″	NF8	NF8C
(B)	40/2	30mm	3¾″	IB3	IB3C
			5″	IB5	IB5C
			6″	IB6	IB6C
			7″	IB7	IB7C
			8″	IB8	IB8C
(B)	50/2 T/L 41mm	25mm	5″	NIB5	NIB5C
			6″	NIB6	NIB6C
			7″	NIB7	NIB7C
			8″	NIB8	NIB8C
			10″	NIB10	NIB10C
(B)	50/2 T/L 42mm	26mm	5″	NI5	NI5C
			6″	NI6	NI6C
			7″	NI7	NI7C
			8″	NI8	NI8C
			10″	NI10	NI10C
(C)	60/2	30mm	5″	NC5	NC5C
			6″	NC6	NC6C
			7″	NC7	NC7C
			8″	NC8	NC8C
			10″	NC10	NC10C



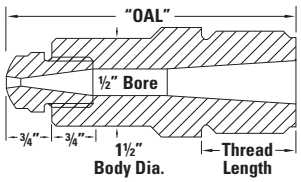
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2″ flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



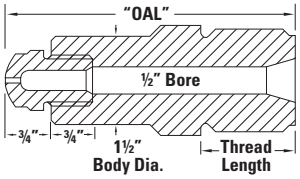
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

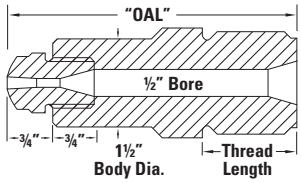
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

TOSHIBA



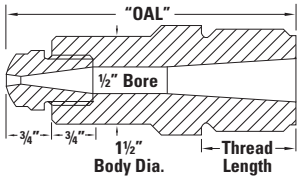
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

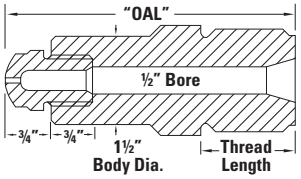
Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Nissei (cont.)					
(D)	80/2	40mm	5″	IS5	IS5C
			6″	IS6	IS6C
			7″	IS7	IS7C
			8″	IS8	IS8C
			10″	IS10	IS10C
Toshiba					
(A)	36/1.5 (22mm T/L)	13mm	3¾″	TZ3	
			5″	TZ5	
			6″	TZ6	
			7″	TZ7	
			8″	TZ8	
(A)	36/1.5 (22mm T/L)	10mm	3¾″	TOG3	
			5″	TOG5	
			6″	TOG6	
			7″	TOG7	
			8″	TOG8	
(A)	36/1.5	21mm	3¾″	TOE3	TOE3C
			5″	TOE5	TOE5C
			6″	TOE6	TOE6C
			7″	TOE7	TOE7C
			8″	TOE8	TOE8C
(A)	38/1.5	15mm	3¾″	TH3	TH3C
			5″	TH5	TH5C
			6″	TH6	TH6C
			7″	TH7	TH7C
			8″	TH8	TH8C
			10″	TH10	TH10C
(A)	1½″–12	15mm	3¾″	TO3	TO3C
			5″	TO5	TO5C
			6″	TO6	TO6C
			7″	TO7	TO7C
			8″	TO8	TO8C
			10″	TO10	TO10C
			12″	TO12	TO12C
			14″	TO14	TO14C

B

Removable Tip Nozzle Bodies

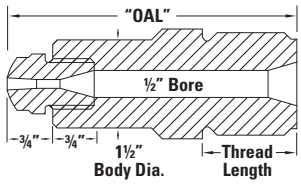
TOSHIBA

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Toshiba (cont.)					
(B)	1¾″–8	¾″	3¾″	NM3	NM3C
			5″	NM5	NM5C
			6″	NM6	NM6C
			7″	NM7	NM7C
			8″	NM8	NM8C
			9″	NM9	NM9C
			10″	NM10	NM10C
			12″	NM12	NM12C
			14″	NM14	NM14C
(B)	48/1.5	¾″	3¾″	TD3	TD3C
			5″	TD5	TD5C
			6″	TD6	TD6C
			7″	TD7	TD7C
			8″	TD8	TD8C
(A)	55/3	32mm	5″	TOH5	TOH5C
			6″	TOH6	TOH6C
			7″	TOH7	TOH7C
			8″	TOH8	TOH8C
			12″	TOH12	TOH12C
(B)	60/4	25mm	5″	TOF5	TOF5C
			6″	TOF6	TOF6C
			7″	TOF7	TOF7C
			8″	TOF8	TOF8C
			12″	TOF12	TOF12C
(B)	60/4	28mm	5″	TE5	TE5C
			6″	TE6	TE6C
			7″	TE7	TE7C
			8″	TE8	TE8C
			12″	TE12	TE12C
(B)	60/4 T/L 41mm	32mm	5″	TG5	TG5C
			6″	TG6	TG6C
			7″	TG7	TG7C
			8″	TG8	TG8C
			9″	TG9	TG9C
			10″	TG10	TG10C
			12″	TG12	TG12C



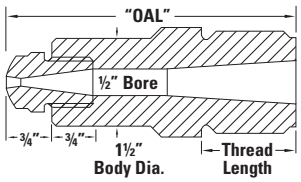
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2″ flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



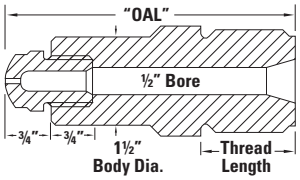
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

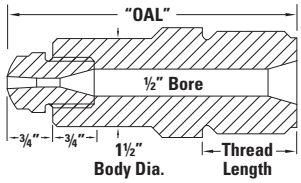
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

TOSHIBA TOYO



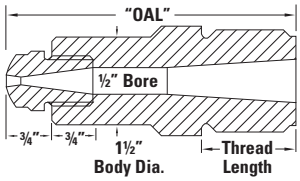
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2" flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

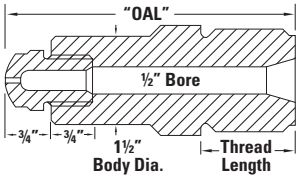
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Toshiba (cont.)					
(B)	60/4	36mm	5″	TOA5	TOA5C
			6″	TOA6	TOA6C
			7″	TOA7	TOA7C
			8″	TOA8	TOA8C
			9″	TOA9	TOA9C
			10″	TOA10	TOA10C
			12″	TOA12	TOA12C
(C)	60/4 T/L 50mm	32mm	7″	TS7	TS7C
			8″	TS8	TS8C
			9″	TS9	TS9C
			10″	TS10	TS10C
			12″	TS12	TS12C
(E)	3¼″–8	55mm	7″	TJ7	TJ7C
			8″	TJ8	TJ8C
			9″	TJ9	TJ9C
			10″	TJ10	TJ10C
			12″	TJ12	TJ12C
(C)	80/4	25mm	7″	TOC7	TOC7C
			8″	TOC8	TOC8C
			9″	TOC9	TOC9C
			10″	TOC10	TOC10C
			12″	TOC12	TOC12C
(E)	80/4	50mm	7″	TOD7	TOD7C
			8″	TOD8	TOD8C
			9″	TOD9	TOD9C
			10″	TOD10	TOD10C
			12″	TOD12	TOD12C
(C)	80/4	52mm	7″	TOB7	TOB7C
			8″	TOB8	TOB8C
			9″	TOB9	TOB9C
			10″	TOB10	TOB10C
			12″	TOB12	TOB12C
Toyo					
(A)	36/2	10mm (uses ½″)	3¾″	TYA3	
			5″	TYA5	
			6″	TYA6	
			7″	TYA7	
			8″	TYA8	
(A)	36/2	23mm	3¾″	TK3	TK3C
			5″	TK5	TK5C
			6″	TK6	TK6C
			7″	TK7	TK7C
			8″	TK8	TK8C

Removable Tip Nozzle Bodies

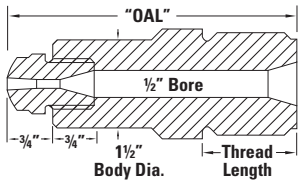
TOYO VAN DORN

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Toyo (cont.)					
(B)	42/3	24mm	5″	TL5	TL5C
			6″	TL6	TL6C
			7″	TL7	TL7C
			8″	TL8	TL8C
			10″	TL10	TL10C
(C)	50/3	26mm	5″	TW5	TW5C
			6″	TW6	TW6C
			7″	TW7	TW7C
			8″	TW8	TW8C
			10″	TW10	TW10C
(B)	65/4	32mm	5″	TM5	TM5C
			6″	TM6	TM6C
			7″	TM7	TM7C
			8″	TM8	TM8C
			10″	TM10	TM10C
(B)	65/4	40mm	5″	TV5	TV5C
			6″	TV6	TV6C
			7″	TV7	TV7C
			8″	TV8	TV8C
			10″	TV10	TV10C
Van Dorn					
(B)	1¼″–12	¾″	3¾″	BR3	BR3C
			5″	BR5	BR5C
			6″	BR6	BR6C
			7″	BR7	BR7C
			8″	BR8	BR8C
			9″	BR9	BR9C
			10″	BR10	BR10C
			12″	BR12	BR12C
			14″	BR14	BR14C
			16″	BR16	BR16C
(B)	1¾″–8	1¼″	3¾″	VR3	VR3C
			5″	VR5	VR5C
			6″	VR6	VR6C
			7″	VR7	VR7C
			8″	VR8	VR8C
			9″	VR9	VR9C
			10″	VR10	VR10C
			12″	VR12	VR12C
			14″	VR14	VR14C
			16″	VR16	VR16C



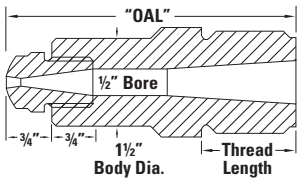
General Purpose Style A

General purpose internal design provides minimum flowresistance and back-pressure build-up; 1/2″ flow path.



Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.



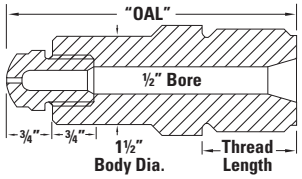
Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Options and Spares:

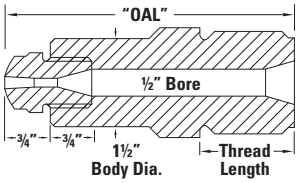
1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

VAN DORN



General Purpose Style A

General purpose internal design provides minimum flow resistance and back-pressure build-up; 1/2" flow path.



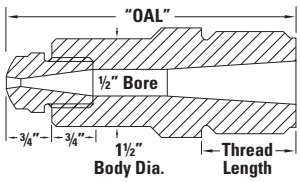
Nylon Reverse Taper Style B

For use with polyamides, acrylics and similar expansive materials. Uses standard body with nylon reverse taper tip.

Full Taper ABS Style C

For use with ABS, PVC and other viscous hard-flow materials. Reduces frictional heat and hang-up. Large tip orifice recommended for minimal flow resistance.

Heater Band Code	Thread	Rear Opening	Overall Length	G.P. or Nylon (Style A & B) Part Number	Full Taper (Style C) Part Number
Van Dorn (cont.)					
(B)	2"–8	1½"	5"	VD5	VD5C
			6"	VD6	VD6C
			7"	VD7	VD7C
			8"	VD8	VD8C
			9"	VD9	VD9C
			10"	VD10	VD10C
			12"	VD12	VD12C
(B)	2¼"–8	41mm	5"	VN5	VN5C
			6"	VN6	VN6C
			7"	VN7	VN7C
			8"	VN8	VN8C
			9"	VN9	VN9C
			10"	VN10	VN10C
			12"	VN12	VN12C
(B)	2½"–8	1"	5"	VA5	VA5C
			6"	VA6	VA6C
			7"	VA7	VA7C
			8"	VA8	VA8C
			9"	VA9	VA9C
			10"	VA10	VA10C
			12"	VA12	VA12C



Options and Spares:

1. Add thermocouple hole on hex flat.
2. For thermocouples, see pages 587–598.
3. Use heater band code to select correct band and internal cartridge heater size from tables on page 173.

NOZZLE WRENCHES

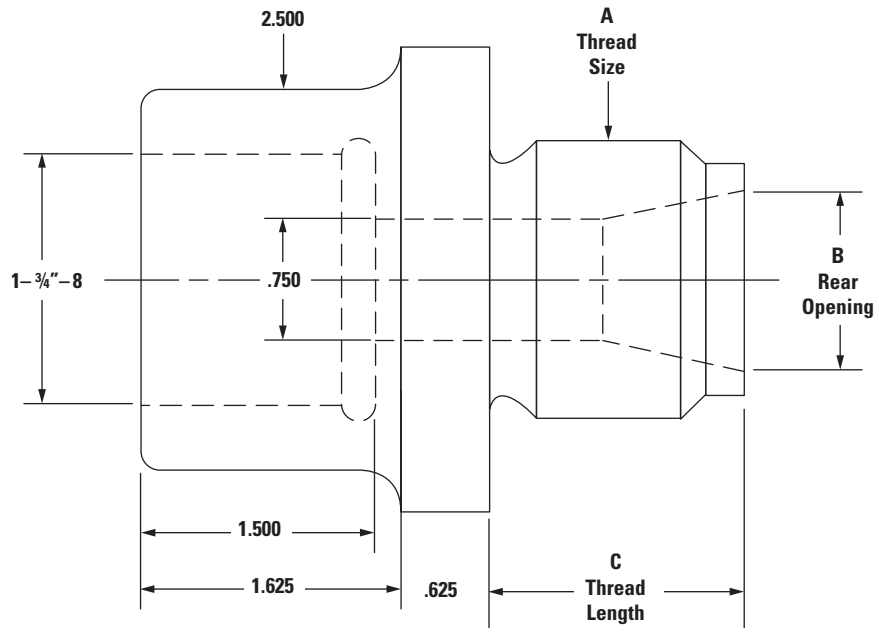
Nozzle Wrenches

Six point box to help eliminate possible damage to nut. Extra clearance in head diameter to facilitate use with flange connections. Heavy duty for use with hammer for extra tightness or where impact is needed to loosen frozen nozzles.

Opening	Head O.D.	OAL	Weight (lbs.)	Use with	Part Number
7/8"	1 3/8"	7 1/2"	0.6	Regular tips	SFBW1*
1 1/16"	1 25/32"	9 7/8"	1.9	Extended tips	SFBW2
1 1/4"	2"	10 1/4"	2.1		SFBW3
1 7/16"	2 17/64"	10 9/16"	2.6		SFBW4
1 5/8"	2 31/64"	11"	2.9	Bodies	SFBW5
1 13/16"	2 21/32"	11 5/16"	3.5		SFBW6
2"	3 1/32"	11 11/16"	4.0		SFBW7
2 3/16"	3 9/32"	12"	5.2		SFBW8
2 3/8"	3 13/32"	12 3/8"	6.0		SFBW9
2 9/16"	3 3/4"	12 11/16"	6.6	Adaptors	SFBW10
2 3/4"	4 11/64"	13 1/16"	7.5		SFBW11
2 15/16"	4 23/64"	13 7/16"	7.9		SFBW12
3 1/8"	4 31/64"	13 13/16"	9.4		SFBW13
3 1/2"	4 31/32"	14 1/8"	10.5		SFBW14
3 7/8"	5 35/64"	14 1/2"	13.3		SFBW15

Custom Adapters & Nozzles

ONLINE FORM



Adapter

Indicate specifications below and send form to DME via fax (888-808-4363) or DME@dme.net.

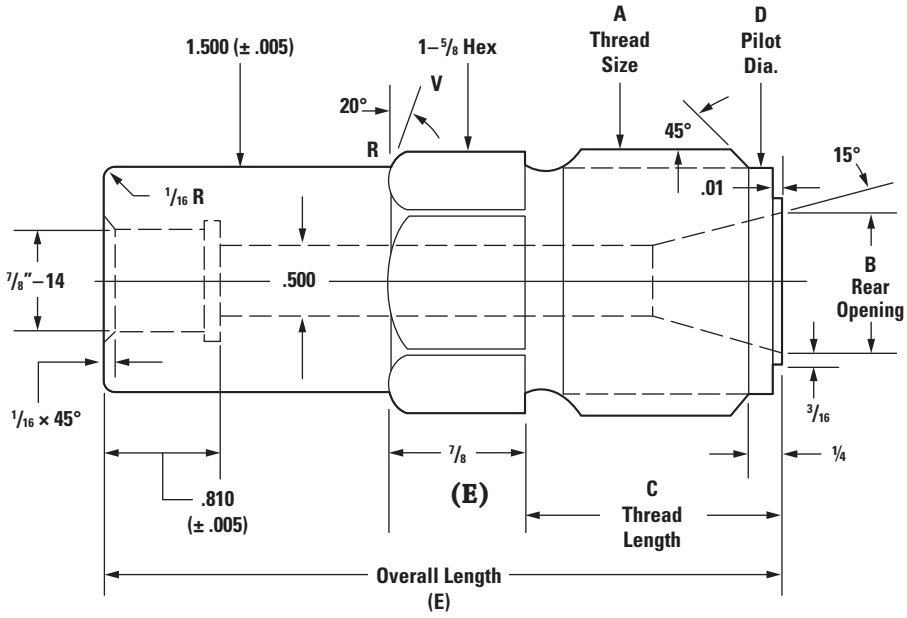
A = _____

B = _____

C = _____

ELECTRONIC QUOTE REQUEST FORM

or visit
www.dme.net/rfq



Nozzle:

Indicate specifications below and send form to DME via fax (888-808-4363) or DME@dme.net.

A = _____

B = _____

C = _____

D = _____

E = _____

Fill Out Information Completely – Thanks!

Company: _____ Contact Name: _____

Account Number: _____ Phone: _____

Address: _____ Fax : _____

City: _____ E-mail: _____

State/Zip: _____

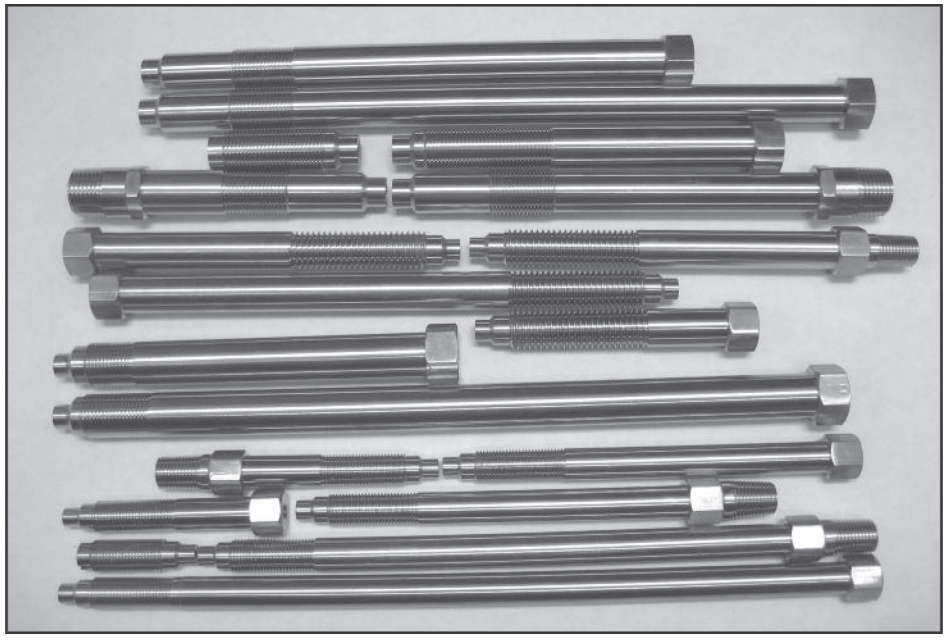
If You Don't See What You Need - Please Call For Assistance!

GLOBAL PLASTIC MOULDING SUPPLIES

DME Industrial Supplies Line of GPMS Extruder Rupture Disks (Burst Plugs) are primarily used on Plastics Extrusion Machinery to provide emergency pressure relief. Extruder Rupture Disks from DME Industrial Supplies are designed to instantaneously rupture at a pre-determined pressure. Extruder Rupture Disks are leak tight and intrinsically safe devices that require no maintenance.

The GPMS Line of Extruder Rupture Disk assemblies are manufactured
from 304 SS and incorporate either an Inconel or Stainless Steel Disk which minimize the affects of varying processing temperatures. The ERD Series of Extruder Rupture Disks from DME Industrial Supplies are offered in a wide variety of lengths and configurations. Standard stock assemblies are available in burst pressures ranging from 1,500 up to 15,000 psi, and lengths from 1.82" up to 12".

Several different mounting threads are offered on the GPMS line of ERD Series Extruder Rupture Disks that are commonly found on plastics extrusion machinery.



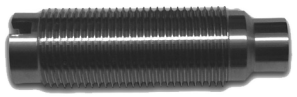
GPMS Rupture Disks

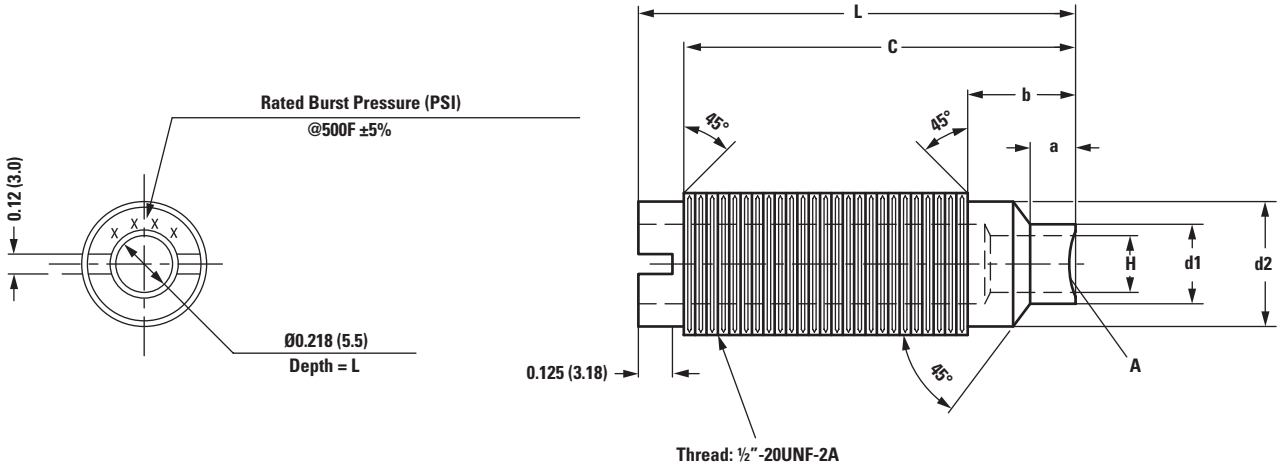
½" – 20 Mounting Thread

GLOBAL PLASTIC MOULDING SUPPLIES

GPMS RUPTURE DISKS

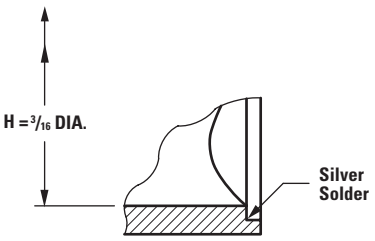
1.8" Length





a	b	C	L
0.250 (6.35) 0.234 (5.94)	0.50 (12.7)	1.63 (41.40)	1.82 (46.2)

H	d1	d2
3/16" (4.76)	ø0.310 (7.87) ø0.305 (7.75)	ø0.420 (10.67) ø0.410 (10.41)



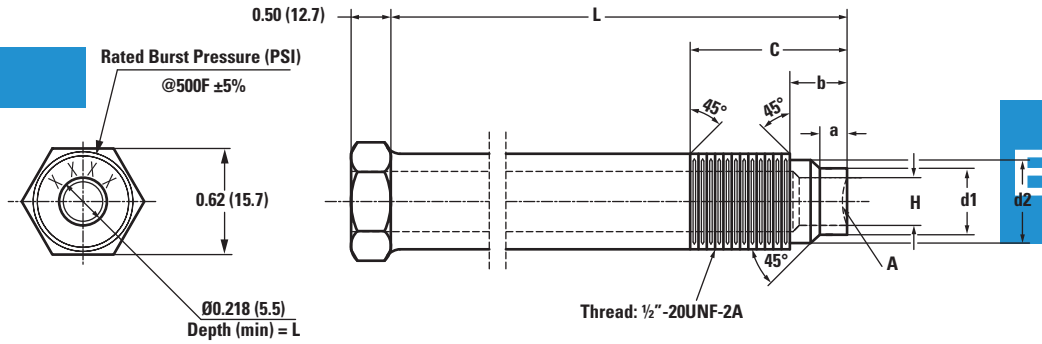
DETAIL A

Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD2-1.5M	½" 20 UNF	1.82"	Slotted	None	1,500
ERD2-2.5M	½" 20 UNF	1.82"	Slotted	None	2,500
ERD2-3.5M	½" 20 UNF	1.82"	Slotted	None	3,500
ERD2-4.5M	½" 20 UNF	1.82"	Slotted	None	4,500
ERD2-5.5M	½" 20 UNF	1.82"	Slotted	None	5,500
ERD2-6.5M	½" 20 UNF	1.82"	Slotted	None	6,500
ERD2-7.5M	½" 20 UNF	1.82"	Slotted	None	7,500
ERD2-8.5M	½" 20 UNF	1.82"	Slotted	None	8,500
ERD2-9.5M	½" 20 UNF	1.82"	Slotted	None	9,500
ERD2-10.5M	½" 20 UNF	1.82"	Slotted	None	10,500
ERD2-12.5M	½" 20 UNF	1.82"	Slotted	None	12,500
ERD2-15M	½" 20 UNF	1.82"	Slotted	None	15,000

GLOBAL PLASTIC MOULDING SUPPLIES

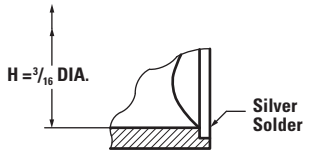
3" Length

GPMS RUPTURE DISKS



a	b	C	L
0.250 (6.35) 0.234 (5.94)	0.50 (12.7)	1.81 (45.97)	3.00 (76.2)

H	d1	d2
3/16" (4.76)	ø0.310 (7.87) ø0.305 (7.75)	ø0.420 (10.67) ø0.410 (10.41)



Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD3H1.5M	½" 20 UNF	3"	Hex	None	1,500
ERD3H2.5M	½" 20 UNF	3"	Hex	None	2,500
ERD3H3.5M	½" 20 UNF	3"	Hex	None	3,500
ERD3H4.5M	½" 20 UNF	3"	Hex	None	4,500
ERD3H5.5M	½" 20 UNF	3"	Hex	None	5,500
ERD3H6.5M	½" 20 UNF	3"	Hex	None	6,500
ERD3H7.5M	½" 20 UNF	3"	Hex	None	7,500
ERD3H8.5M	½" 20 UNF	3"	Hex	None	8,500
ERD3H9.5M	½" 20 UNF	3"	Hex	None	9,500
ERD3H10.5M	½" 20 UNF	3"	Hex	None	10,500
ERD3H12.5M	½" 20 UNF	3"	Hex	None	12,500
ERD3H15M	½" 20 UNF	3"	Hex	None	15,000
ERD3H1.5M14	½" 20 UNF	3"	Hex	¼" NPT	1,500
ERD3H2.5M14	½" 20 UNF	3"	Hex	¼" NPT	2,500
ERD3H3.5M14	½" 20 UNF	3"	Hex	¼" NPT	3,500
ERD3H4.5M14	½" 20 UNF	3"	Hex	¼" NPT	4,500
ERD3H5.5M14	½" 20 UNF	3"	Hex	¼" NPT	5,500
ERD3H6.5M14	½" 20 UNF	3"	Hex	¼" NPT	6,500
ERD3H7.5M14	½" 20 UNF	3"	Hex	¼" NPT	7,500
ERD3H8.5M14	½" 20 UNF	3"	Hex	¼" NPT	8,500
ERD3H9.5M14	½" 20 UNF	3"	Hex	¼" NPT	9,500
ERD3H10.5M14	½" 20 UNF	3"	Hex	¼" NPT	10,500
ERD3H12.5M14	½" 20 UNF	3"	Hex	¼" NPT	12,500
ERD3H15M14	½" 20 UNF	3"	Hex	¼" NPT	15,000

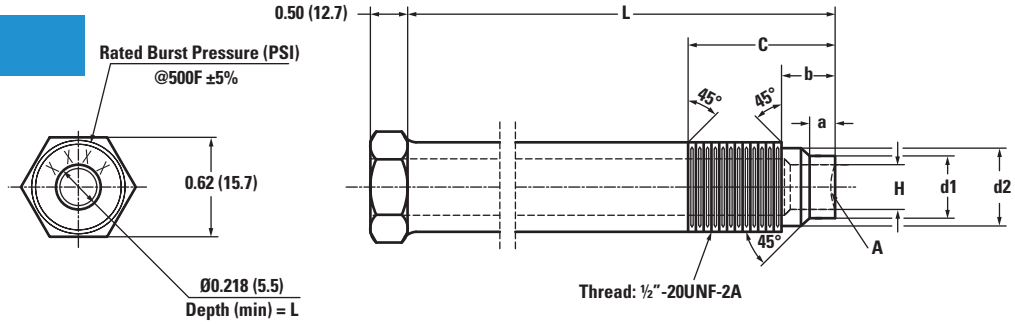
GPMS Rupture Disks

½" – 20 Mounting Thread

GLOBAL PLASTIC MOULDING SUPPLIES

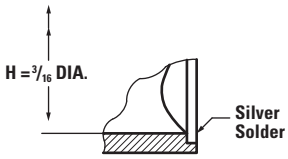
GPMS RUPTURE DISKS

6" Length



a	b	C	L
0.250 (6.35) 0.234 (5.94)	0.50 (12.7)	1.81 (45.97)	6.00 (152.4)

H	d1	d2
3/16" (4.76)	ø0.310 (7.87) ø0.305 (7.75)	ø0.420 (10.67) ø0.410 (10.41)

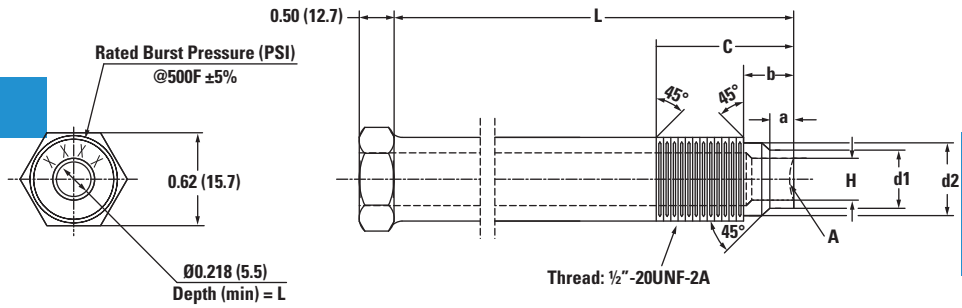


DETAIL A

Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD6H1.5M	½" 20 UNF	6"	Hex	None	1,500
ERD6H2.5M	½" 20 UNF	6"	Hex	None	2,500
ERD6H3.5M	½" 20 UNF	6"	Hex	None	3,500
ERD6H4.5M	½" 20 UNF	6"	Hex	None	4,500
ERD6H5.5M	½" 20 UNF	6"	Hex	None	5,500
ERD6H6.5M	½" 20 UNF	6"	Hex	None	6,500
ERD6H7.5M	½" 20 UNF	6"	Hex	None	7,500
ERD6H8.5M	½" 20 UNF	6"	Hex	None	8,500
ERD6H9.5M	½" 20 UNF	6"	Hex	None	9,500
ERD6H10.5M	½" 20 UNF	6"	Hex	None	10,500
ERD6H12.5M	½" 20 UNF	6"	Hex	None	12,500
ERD6H15M	½" 20 UNF	6"	Hex	None	15,000
ERD6H1.5M14	½" 20 UNF	6"	Hex	¼" NPT	1,500
ERD6H2.5M14	½" 20 UNF	6"	Hex	¼" NPT	2,500
ERD6H3.5M14	½" 20 UNF	6"	Hex	¼" NPT	3,500
ERD6H4.5M14	½" 20 UNF	6"	Hex	¼" NPT	4,500
ERD6H5.5M14	½" 20 UNF	6"	Hex	¼" NPT	5,500
ERD6H6.5M14	½" 20 UNF	6"	Hex	¼" NPT	6,500
ERD6H7.5M14	½" 20 UNF	6"	Hex	¼" NPT	7,500
ERD6H8.5M14	½" 20 UNF	6"	Hex	¼" NPT	8,500
ERD6H9.5M14	½" 20 UNF	6"	Hex	¼" NPT	9,500
ERD6H10.5M14	½" 20 UNF	6"	Hex	¼" NPT	10,500
ERD6H12.5M14	½" 20 UNF	6"	Hex	¼" NPT	12,500
ERD6H15M14	½" 20 UNF	6"	Hex	¼" NPT	15,000

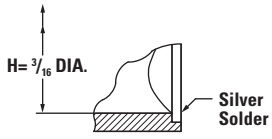
GLOBAL PLASTIC MOULDING SUPPLIES

9" Length



a	b	C	L
0.250 (6.35) 0.234 (5.94)	0.50 (12.7)	1.81 (45.97)	9.0 (228.6)

H	d1	d2
3/16" (4.76)	ø0.310 (7.87) ø0.305 (7.75)	ø0.420 (10.67) ø0.410 (10.41)



DETAIL A

GPMS RUPTURE DISKS

Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD9H1.5M	½" 20 UNF	9"	Hex	None	1,500
ERD9H2.5M	½" 20 UNF	9"	Hex	None	2,500
ERD9H3.5M	½" 20 UNF	9"	Hex	None	3,500
ERD9H4.5M	½" 20 UNF	9"	Hex	None	4,500
ERD9H5.5M	½" 20 UNF	9"	Hex	None	5,500
ERD9H6.5M	½" 20 UNF	9"	Hex	None	6,500
ERD9H7.5M	½" 20 UNF	9"	Hex	None	7,500
ERD9H8.5M	½" 20 UNF	9"	Hex	None	8,500
ERD9H9.5M	½" 20 UNF	9"	Hex	None	9,500
ERD9H10.5M	½" 20 UNF	9"	Hex	None	10,500
ERD9H12.5M	½" 20 UNF	9"	Hex	None	12,500
ERD9H15M	½" 20 UNF	9"	Hex	None	15,000
ERD9H1.5M14	½" 20 UNF	9"	Hex	¼" NPT	1,500
ERD9H2.5M14	½" 20 UNF	9"	Hex	¼" NPT	2,500
ERD9H3.5M14	½" 20 UNF	9"	Hex	¼" NPT	3,500
ERD9H4.5M14	½" 20 UNF	9"	Hex	¼" NPT	4,500
ERD9H5.5M14	½" 20 UNF	9"	Hex	¼" NPT	5,500
ERD9H6.5M14	½" 20 UNF	9"	Hex	¼" NPT	6,500
ERD9H7.5M14	½" 20 UNF	9"	Hex	¼" NPT	7,500
ERD9H8.5M14	½" 20 UNF	9"	Hex	¼" NPT	8,500
ERD9H9.5M14	½" 20 UNF	9"	Hex	¼" NPT	9,500
ERD9H10.5M14	½" 20 UNF	9"	Hex	¼" NPT	10,500
ERD9H12.5M14	½" 20 UNF	9"	Hex	¼" NPT	12,500
ERD9H15M14	½" 20 UNF	9"	Hex	¼" NPT	15,000

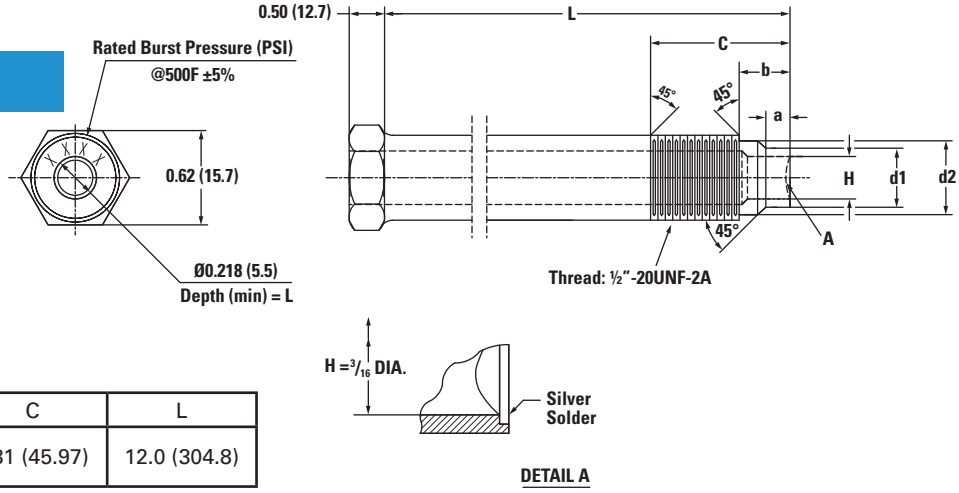
GPMS Rupture Disks

½" – 20 Mounting Thread

GLOBAL PLASTIC MOULDING SUPPLIES

12" Length

GPMS RUPTURE DISKS



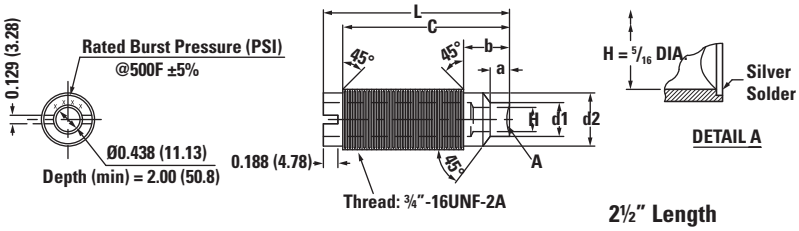
a	b	C	L
0.250 (6.35) 0.234 (5.94)	0.50 (12.7)	1.81 (45.97)	12.0 (304.8)

H	d1	d2
3/16" (4.76)	ø0.310 (7.87) ø0.305 (7.75)	ø0.420 (10.67) ø0.410 (10.41)

Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD12H1.5M	½" 20 UNF	12"	Hex	None	1,500
ERD12H2.5M	½" 20 UNF	12"	Hex	None	2,500
ERD12H3.5M	½" 20 UNF	12"	Hex	None	3,500
ERD12H4.5M	½" 20 UNF	12"	Hex	None	4,500
ERD12H5.5M	½" 20 UNF	12"	Hex	None	5,500
ERD12H6.5M	½" 20 UNF	12"	Hex	None	6,500
ERD12H7.5M	½" 20 UNF	12"	Hex	None	7,500
ERD12H8.5M	½" 20 UNF	12"	Hex	None	8,500
ERD12H9.5M	½" 20 UNF	12"	Hex	None	9,500
ERD12H10.5M	½" 20 UNF	12"	Hex	None	10,500
ERD12H12.5M	½" 20 UNF	12"	Hex	None	12,500
ERD12H15M	½" 20 UNF	12"	Hex	None	15,000
ERD12H1.5M14	½" 20 UNF	12"	Hex	¼" NPT	1,500
ERD12H2.5M14	½" 20 UNF	12"	Hex	¼" NPT	2,500
ERD12H3.5M14	½" 20 UNF	12"	Hex	¼" NPT	3,500
ERD12H4.5M14	½" 20 UNF	12"	Hex	¼" NPT	4,500
ERD12H5.5M14	½" 20 UNF	12"	Hex	¼" NPT	5,500
ERD12H6.5M14	½" 20 UNF	12"	Hex	¼" NPT	6,500
ERD12H7.5M14	½" 20 UNF	12"	Hex	¼" NPT	7,500
ERD12H8.5M14	½" 20 UNF	12"	Hex	¼" NPT	8,500
ERD12H9.5M14	½" 20 UNF	12"	Hex	¼" NPT	9,500
ERD12H10.5M14	½" 20 UNF	12"	Hex	¼" NPT	10,500
ERD12H12.5M14	½" 20 UNF	12"	Hex	¼" NPT	12,500
ERD12H15M14	½" 20 UNF	12"	Hex	¼" NPT	15,000

GLOBAL PLASTIC MOULDING SUPPLIES

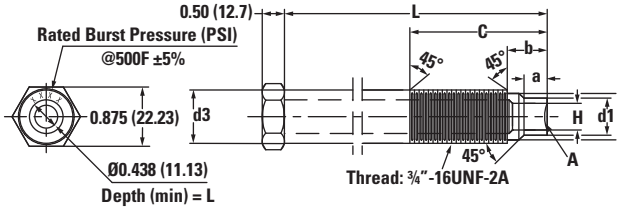
2½" & 4" Length



2½" Length

DETAIL A

GPMS RUPTURE DISKS



4" Length

2½" Length Specifications

a	b	C	L
0.312 (7.93) 0.300 (7.62)	0.545 (13.84)	2.25 (57.15)	2.50 (63.5)

H	d1	d2
5/16" (7.95)	ø0.500 (12.70) ø0.495 (12.57)	ø0.665 (16.89) ø0.655 (16.64)

4" Length Specifications

a	b	C	L
0.300 (7.62) 0.312 (7.93)	0.545 (13.84)	2.70 (68.58)	4.00 (101.6)

H	d1	d2	d3
5/16" (7.95)	ø0.500 (12.70) ø0.495 (12.57)	ø0.665 (16.89) ø0.655 (16.64)	ø0.66 (16.76)

B

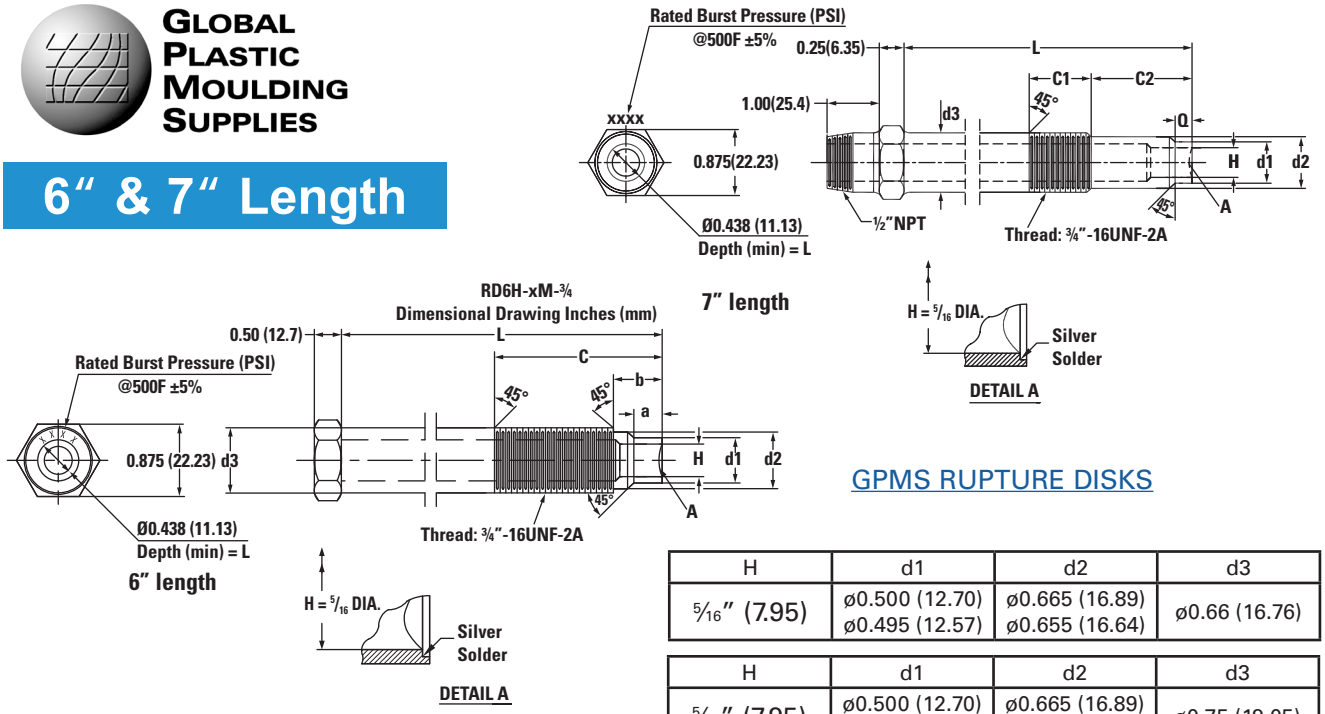
Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD2-34-3.5M	¾" 16 UNF	2-½"	Slotted	None	3,500
ERD2-34-4.5M	¾" 16 UNF	2-½"	Slotted	None	4,500
ERD2-34-5M	¾" 16 UNF	2-½"	Slotted	None	5,000
ERD2-34-7.5M	¾" 16 UNF	2-½"	Slotted	None	7,500
ERD2-34-8.5M	¾" 16 UNF	2-½"	Slotted	None	8,500
ERD2-34-9M	¾" 16 UNF	2-½"	Slotted	None	9,000
ERD2-34-9.5M	¾" 16 UNF	2-½"	Slotted	None	9,500
ERD4H34-3.5M	¾" 16 UNF	4"	Hex	None	3,500
ERD4H34-4.5M	¾" 16 UNF	4"	Hex	None	4,500
ERD4H34-5M	¾" 16 UNF	4"	Hex	None	5,000
ERD4H34-7.5M	¾" 16 UNF	4"	Hex	None	7,500
ERD4H34-8.5M	¾" 16 UNF	4"	Hex	None	8,500
ERD4H34-9M	¾" 16 UNF	4"	Hex	None	9,000
ERD4H34-9.5M	¾" 16 UNF	4"	Hex	None	9,500
ERD4H34-3.5M12	¾" 16 UNF	4"	Hex	½" NPT	3,500
ERD4H34-4.5M12	¾" 16 UNF	4"	Hex	½" NPT	4,500
ERD4H34-5M12	¾" 16 UNF	4"	Hex	½" NPT	5,000
ERD4H34-7.5M12	¾" 16 UNF	4"	Hex	½" NPT	7,500
ERD4H34-8.5M12	¾" 16 UNF	4"	Hex	½" NPT	8,500
ERD4H34-9M12	¾" 16 UNF	4"	Hex	½" NPT	9,000
ERD4H34-9.5M12	¾" 16 UNF	4"	Hex	½" NPT	9,500
ERD4H34S3.5M12	¾" 16 UNF Short Thread	4"	Hex	½" NPT	3,500
ERD4H34S4.5M12		4"	Hex	½" NPT	4,500
ERD4H34S5M12		4"	Hex	½" NPT	5,000
ERD4H34S7.5M12		4"	Hex	½" NPT	7,500
ERD4H34S8.5M12		4"	Hex	½" NPT	8,500
ERD4H34S9M12		4"	Hex	½" NPT	9,000
ERD4H34S9.5M12		4"	Hex	½" NPT	9,500

GPMS Rupture Disks

¾" – 16 Mounting Thread

GLOBAL PLASTIC MOULDING SUPPLIES

6" & 7" Length



GPMS RUPTURE DISKS

H	d1	d2	d3
5/16" (7.95)	ø0.500 (12.70) ø0.495 (12.57)	ø0.665 (16.89) ø0.655 (16.64)	ø0.66 (16.76)

H	d1	d2	d3
5/16" (7.95)	ø0.500 (12.70) ø0.495 (12.57)	ø0.665 (16.89) ø0.655 (16.64)	ø0.75 (19.05)

6" Length Specifications

a	b	C	L
0.300 (7.62) 0.312 (7.93)	0.545 (13.84)	2.70 (68.58)	6.00 (152.4)

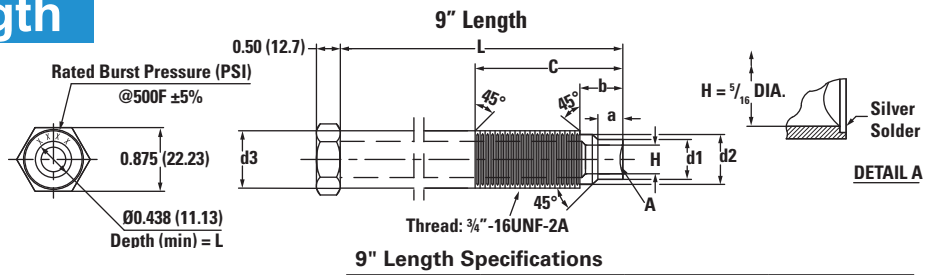
7" Length Specifications

Q	C1	C2	L
0.312 (7.93) 0.300 (7.62)	1.10 (27.94)	1.60 (40.64)	7.00 (177.8)

Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD6H34-3.5M	¾" 16 UNF	6"	Hex	None	3,500
ERD6H34-4.5M	¾" 16 UNF	6"	Hex	None	4,500
ERD6H34-5M	¾" 16 UNF	6"	Hex	None	5,000
ERD6H34-7.5M	¾" 16 UNF	6"	Hex	None	7,500
ERD6H34-8.5M	¾" 16 UNF	6"	Hex	None	8,500
ERD6H34-9M	¾" 16 UNF	6"	Hex	None	9,000
ERD6H34-9.5M	¾" 16 UNF	6"	Hex	None	9,500
ERD7H34-3.5M12	¾" 16 UNF	7"	Hex	½" NPT	3,500
ERD7H34-4.5M12	¾" 16 UNF	7"	Hex	½" NPT	4,500
ERD7H34-5M12	¾" 16 UNF	7"	Hex	½" NPT	5,000
ERD7H34-7.5M12	¾" 16 UNF	7"	Hex	½" NPT	7,500
ERD7H34-8.5M12	¾" 16 UNF	7"	Hex	½" NPT	8,500
ERD7H34-9M12	¾" 16 UNF	7"	Hex	½" NPT	9,000
ERD7H34-9.5M12	¾" 16 UNF	7"	Hex	½" NPT	9,500
ERD7H34S3.5M12	¾" 16 UNF Short Thread	7"	Hex	½" NPT	3,500
ERD7H34S4.5M12		7"	Hex	½" NPT	4,500
ERD7H34S5M12		7"	Hex	½" NPT	5,000
ERD7H34S7.5M12		7"	Hex	½" NPT	7,500
ERD7H34S8.5M12		7"	Hex	½" NPT	8,500
ERD7H34S9M12		7"	Hex	½" NPT	9,000
ERD7H34S9.5M12		7"	Hex	½" NPT	9,500

GLOBAL PLASTIC MOULDING SUPPLIES

9" & 12" Length

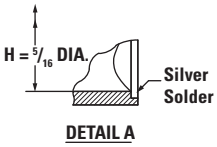


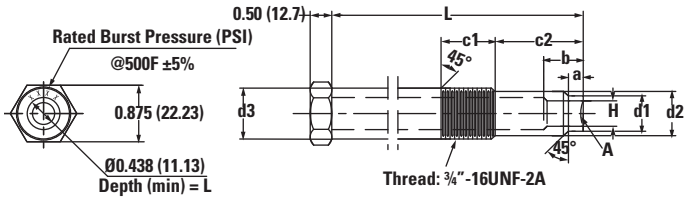
9" Length Specifications

a	b	C	L
0.300 (7.62) 0.312 (7.93)	0.545 (13.84)	2.70 (68.58)	9.00 (228.6)

H	d1	d2	d3
5/16" (7.95)	ø0.500 (12.70) ø0.495 (12.57)	ø0.665 (16.89) ø0.655 (16.64)	ø0.66 (16.76)

GPMS RUPTURE DISKS





12" Length Specifications

a	b	c1	c2	L
0.300 (7.62) 0.312 (7.93)	0.545 (13.84)	1.10 (27.94)	1.60 (40.64)	12.00 (304.8)

H	d1	d2	d3
5/16" (7.95)	ø0.50 (12.70) ø0.495 (12.57)	ø0.665 (16.89) ø0.655 (16.64)	ø0.66 (16.76)

Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD9H34S3.5M	¾" 16 UNF Short Thread	9"	Hex	None	3,500
ERD9H34S4.5M		9"	Hex	None	4,500
ERD9H34S5M		9"	Hex	None	5,000
ERD9H34S7.5M		9"	Hex	None	7,500
ERD9H34S8.5M		9"	Hex	None	8,500
ERD9H34S9M		9"	Hex	None	9,000
ERD9H34S9.5M		9"	Hex	None	9,500
ERD12H34S3.5M	¾" 16 UNF Short Thread	12"	Hex	None	3,500
ERD12H34S4.5M		12"	Hex	None	4,500
ERD12H34S5M		12"	Hex	None	5,000
ERD12H34S7.5M		12"	Hex	None	7,500
ERD12H34S8.5M		12"	Hex	None	8,500
ERD12H34S9M		12"	Hex	None	9,000
ERD12H34S9.5M		12"	Hex	None	9,500

GPMS Rupture Disks

5/8" – 11 Mounting Thread

GLOBAL PLASTIC MOULDING SUPPLIES

GPMS RUPTURE DISKS

4" & 6" Length

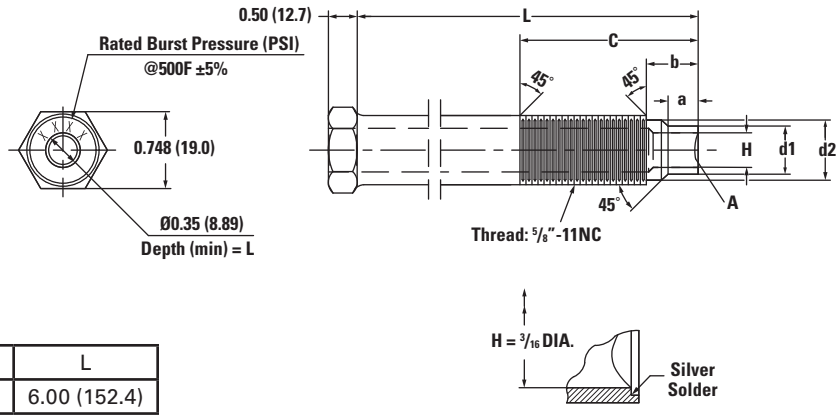
Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD4H58-1.5M	5/8"11 NC	4"	Hex	None	1,500
ERD4H58-2.5M	5/8"11 NC	4"	Hex	None	2,500
ERD4H58-3.5M	5/8"11 NC	4"	Hex	None	3,500
ERD4H58-4.5M	5/8"11 NC	4"	Hex	None	4,500
ERD4H58-5.5M	5/8"11 NC	4"	Hex	None	5,500
ERD4H58-6.5M	5/8"11 NC	4"	Hex	None	6,500
ERD4H58-7.5M	5/8"11 NC	4"	Hex	None	7,600
ERD4H58-8.5M	5/8"11 NC	4"	Hex	None	8,500
ERD4H58-9.5M	5/8"11 NC	4"	Hex	None	9,500
ERD4H58-10.5M	5/8"11 NC	4"	Hex	None	10,500
ERD4H58-12.5M	5/8"11 NC	4"	Hex	None	12,500
ERD4H58-15M	5/8"11 NC	4"	Hex	None	15,000
ERD6H58-1.5M	5/8"11 NC	6"	Hex	None	1,500
ERD6H58-2.5M	5/8"11 NC	6"	Hex	None	2,500
ERD6H58-3.5M	5/8"11 NC	6"	Hex	None	3,500
ERD6H58-4.5M	5/8"11 NC	6"	Hex	None	4,500
ERD6H58-5.5M	5/8"11 NC	6"	Hex	None	5,500
ERD6H58-6.5M	5/8"11 NC	6"	Hex	None	6,500
ERD6H58-7.5M	5/8"11 NC	6"	Hex	None	7,600
ERD6H58-8.5M	5/8"11 NC	6"	Hex	None	8,500
ERD6H58-9.5M	5/8"11 NC	6"	Hex	None	9,500
ERD6H58-10.5M	5/8"11 NC	6"	Hex	None	10,500
ERD6H58-12.5M	5/8"11 NC	6"	Hex	None	12,500
ERD6H58-15M	5/8"11 NC	6"	Hex	None	15,000
ERD6H58-1.5M14	5/8"11 NC	6"	Hex	1/4"NPT	1,500
ERD6H58-2.5M14	5/8"11 NC	6"	Hex	1/4"NPT	2,500
ERD6H58-3.5M14	5/8"11 NC	6"	Hex	1/4"NPT	3,500
ERD6H58-4.5M14	5/8"11 NC	6"	Hex	1/4"NPT	4,500
ERD6H58-5.5M14	5/8"11 NC	6"	Hex	1/4"NPT	5,500
ERD6H58-6.5M14	5/8"11 NC	6"	Hex	1/4"NPT	6,500
ERD6H58-7.5M14	5/8"11 NC	6"	Hex	1/4"NPT	7,600
ERD6H58-8.5M14	5/8"11 NC	6"	Hex	1/4"NPT	8,500
ERD6H58-9.5M14	5/8"11 NC	6"	Hex	1/4"NPT	9,500
ERD6H58-10.5M14	5/8"11 NC	6"	Hex	1/4"NPT	10,500
ERD6H58-12.5M14	5/8"11 NC	6"	Hex	1/4"NPT	12,500
ERD6H58-15M14	5/8"11 NC	6"	Hex	1/4"NPT	15,000

*Note: 4" length drawing currently unavailable.
See following page for 6" length drawing.

GLOBAL PLASTIC MOULDING SUPPLIES

6" Length

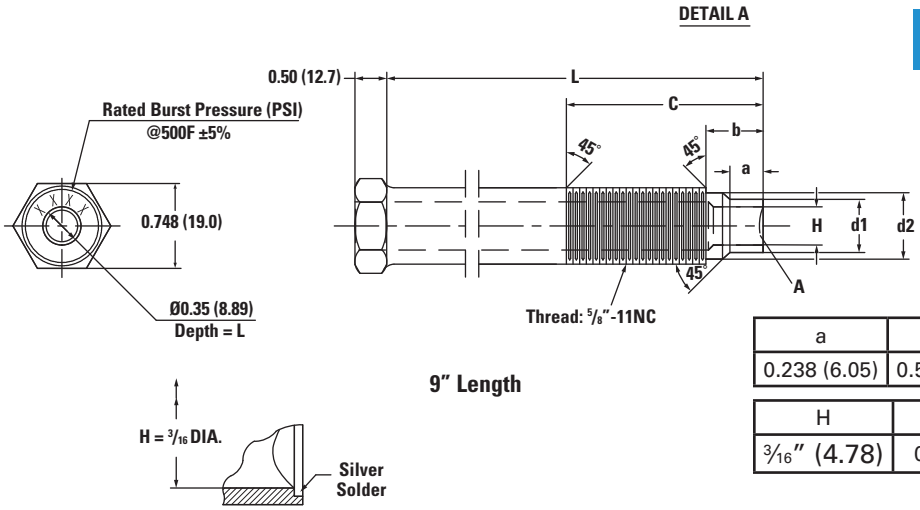
GPMS RUPTURE DISKS



a	b	C	L
0.238 (6.05)	0.554 (14.07)	2.75 (69.85)	6.00 (152.4)

H	d1	d2
3/16" (4.78)	0.354 (8.99)	0.488 (12.40)

9" Length



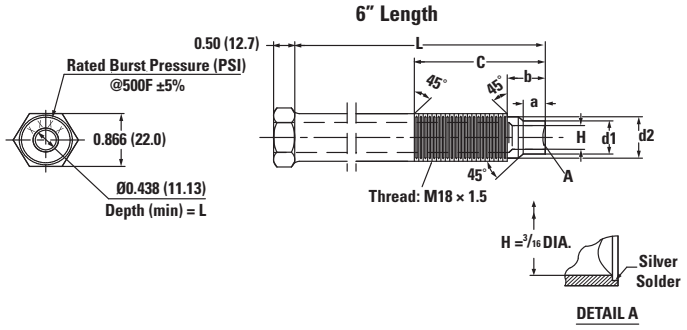
a	b	C	L
0.238 (6.05)	0.554 (14.07)	2.75 (69.85)	9.00 (228.6)

H	d1	d2
3/16" (4.78)	0.354 (8.99)	0.488 (12.40)

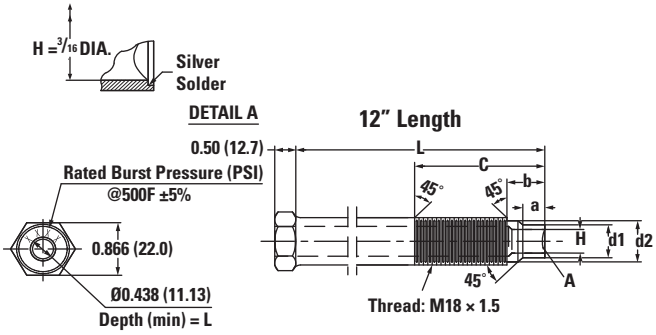
Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD9H58-1.5M	5/8"11 NC	9"	Hex	None	1,500
ERD9H58-2.5M	5/8"11 NC	9"	Hex	None	2,500
ERD9H58-3.5M	5/8"11 NC	9"	Hex	None	3,500
ERD9H58-4.5M	5/8"11 NC	9"	Hex	None	4,500
ERD9H58-5.5M	5/8"11 NC	9"	Hex	None	5,500
ERD9H58-6.5M	5/8"11 NC	9"	Hex	None	6,500
ERD9H58-7.5M	5/8"11 NC	9"	Hex	None	7,600
ERD9H58-8.5M	5/8"11 NC	9"	Hex	None	8,500
ERD9H58-9.5M	5/8"11 NC	9"	Hex	None	9,500
ERD9H58-10.5M	5/8"11 NC	9"	Hex	None	10,500
ERD9H58-12.5M	5/8"11 NC	9"	Hex	None	12,500
ERD9H58-15M	5/8"11 NC	9"	Hex	None	15,000

GPMS Rupture Disks

M18 × 1.5 Mounting Thread



GPMS RUPTURE DISKS



GLOBAL PLASTIC MOULDING SUPPLIES

6" & 12" Length

a	b	C	L
0.250 (6.35) 0.234 (5.94)	0.50 (12.7)	1.63 (41.40)	6.00 (152.4)

H	d1	d2
3/16" (4.78)	ø0.397 (10.08) ø0.392 (9.96)	ø0.632 (16.05) ø0.627 (15.93)

a	b	C	L
0.250 (6.35) 0.234 (5.94)	0.50 (12.7)	1.63 (41.40)	12.00 (304.8)

H	d1	d2
3/16" (4.78)	ø0.397 (10.08) ø0.392 (9.96)	ø0.632 (16.05) ø0.627 (15.93)

Part Number	Mounting Thread	Length	Head Styles	Discharge Connection	Burst Pressure
ERD6HM18-1.5M	M18 × 1.5	6"	Hex	None	1,500
ERD6HM18-2.5M	M18 × 1.5	6"	Hex	None	2,500
ERD6HM18-3.5M	M18 × 1.5	6"	Hex	None	3,500
ERD6HM18-4.5M	M18 × 1.5	6"	Hex	None	4,500
ERD6HM18-5.5M	M18 × 1.5	6"	Hex	None	5,500
ERD6HM18-6.5M	M18 × 1.5	6"	Hex	None	6,500
ERD6HM18-7.5M	M18 × 1.5	6"	Hex	None	7,600
ERD6HM18-8.5M	M18 × 1.5	6"	Hex	None	8,500
ERD6HM18-9.5M	M18 × 1.5	6"	Hex	None	9,500
ERD6HM18-10.5M	M18 × 1.5	6"	Hex	None	10,500
ERD6HM18-12.5M	M18 × 1.5	6"	Hex	None	12,500
ERD6HM18-15M	M18 × 1.5	6"	Hex	None	15,000
ERD12HM18-1.5M	M18 × 1.5	12"	Hex	None	1,500
ERD12HM18-2.5M	M18 × 1.5	12"	Hex	None	2,500
ERD12HM18-3.5M	M18 × 1.5	12"	Hex	None	3,500
ERD12HM18-4.5M	M18 × 1.5	12"	Hex	None	4,500
ERD12HM18-5.5M	M18 × 1.5	12"	Hex	None	5,500
ERD12HM18-6.5M	M18 × 1.5	12"	Hex	None	6,500
ERD12HM18-7.5M	M18 × 1.5	12"	Hex	None	7,600
ERD12HM18-8.5M	M18 × 1.5	12"	Hex	None	8,500
ERD12HM18-9.5M	M18 × 1.5	12"	Hex	None	9,500
ERD12HM18-10.5M	M18 × 1.5	12"	Hex	None	10,500
ERD12HM18-12.5M	M18 × 1.5	12"	Hex	None	12,500
ERD12HM18-15M	M18 × 1.5	12"	Hex	None	15,000

B

UNISORB Quantum IM Mounts provide optimum leveling and alignment in minutes, without anchoring either the machine or mounts to the floor. Designed especially for injection molding and die casting machines, UNISORB Quantum IM Mounts dampen both vertical and horizontal impacts found in reciprocating machines. UNISORB Quantum IM Mounts meet applicable OSHA requirements.

For Injection Molding Machines and Die Casting

The Maximum Adjustment Range

These mounts are truly a quantum leap in machine mount technology. Every model in the Quantum IM line provides an overall adjustment range of $1\frac{3}{8}$ inches. This range goes well beyond all of UNISORB's competitors worldwide. In addition, UNISORB's line of Quantum IM Mounts is available in a wide variety of sizes and configurations, and all share these time-tested durability features:

- Rugged ductile housing
- Heavy-duty impact plate
- Resilient anti-walk isolation pad
- High-strength steel adjustment bolt
- Constant horizontal natural frequency

The Housing

The housing and impact plate of the Quantum IM Mounts are made of ductile iron, meeting Foundry Spec. 65-45-12. This tested and proven design is virtually indestructible even in the toughest high-speed injection molding applications.

The Isolation Pad

All Quantum IM Mount isolation pads consist of proprietary formulated elastomers. The unique internal design of UNISORB's Quantum IM Mounts eliminates the interdependence between vertical adjustment and horizontal stiffness found in other mount designs. This design ensures that each mounting point presents identical horizontal and vertical load deflection characteristics to the machine regardless of adjustment height.

The Adjusting Bolt

The true hex head adjusting bolt is made with high-strength Grade 5 steel to withstand punishment that would shear off most other bolts. In addition, the finer thread pitch on the adjusting bolt provides greater mechanical advantage and offers a higher degree of accuracy in adjustment, making installation convenient and foolproof. Standard bolts are provided with metric threads and special bolt lengths are available upon request.

UNISORB®
INSTALLATION TECHNOLOGIES

Quantum IM Mounts

Quantum IM Mounts

Precision Engineering for Horizontal Impact

The isolation pad is engineered to provide optimum performance. This design yields smoother, quieter operation and longer mount life. The sure fit of the isolation pad enhances the mount's ability to absorb the horizontal impact forces caused by machine operation.

Weight and Force are Distributed Evenly

The unique patented design of the isolation pad to mount housing interface results in the uniform distribution of applied forces. The Quantum IM Mounts are unmatched in controlling extreme machine induced dynamic loads. This eliminates "walking," excessive machine motion and mount failures typical of general purpose mounts in these applications.

Prevents Machine Walking

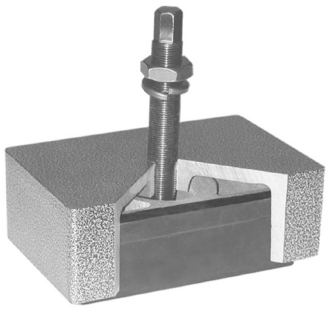
The rectangular shape of the Quantum IM Mount is yet another advantage. While providing greater resistance to machine "walking" than circular mounts, the straight leading edge surface on the rectangular mount has proven to be more geometrically stable. This helps eliminate pad roll and entrapment of coolants and oils beneath the pad. In addition, each isolation pad is engineered to possess an exceptionally high coefficient of friction that also prevents machine "walking."

The Industry's Most Extensive Range of Size and Configuration

A wide variety of different mount sizes and configurations are available to meet the requirement of any injection molding or die casting machine application. Many of the Quantum IM Mounts are height compatible, so it is possible to mix and match different sized mounts to accommodate differing load configurations. Custom-sized Quantum IM Mounts are also available upon request.

UNISORB Quantum IM Mount Benefits:

- Increased equipment life
- Simplified machine installation
- Fast, accurate alignment
- Reduced shock and vibration
- Elimination of anchor bolts
- Uneven floors accommodated
- Machine "walking" prevented
- Controls horizontal dynamics



Quantum IM Injection Molding Machine Mounts

QUANTUM IM MOUNTS

Part Number	L × W × H (min./max.) Inches	Std. Bolt Size	Max. Load (lbs)
IM51M12N90	5.5 × 3.5 × 2.50/3.88	M12 × 1.75 × 150	3,000
IM51M16N90	5.5 × 3.5 × 2.50/3.88	M16 × 2 × 150	3,000
IM61M16N90	7.00 × 4.50 × 2.50/3.88	M16 × 2 × 150	6,000
IM61M20N90	7.00 × 4.50 × 2.50/3.88	M20 × 1.5 × 150	6,000
IM61M24N90	7.00 × 4.50 × 2.50/3.88	M24 × 2 × 150	6,000
IM71M20N90	8.00 × 5.00 × 2.50/3.88	M20 × 1.5 × 150	9,000
IM71M24N90	8.00 × 5.00 × 2.50/3.88	M24 × 2 × 150	9,000
IM81M20N90	8.00 × 5.88 × 2.50/3.88	M20 × 1.5 × 150	9,000
IM81M24N90	8.00 × 5.88 × 2.50/3.88	M24 × 2 × 150	12,000
IM81M24NTS	8.00 × 5.88 × 2.50/3.88	M24 × 2 × 150	16,000
IM81M30NTS	8.00 × 5.88 × 2.50/3.88	M30 × 2 × 150	16,000
IM101M24NTS	10.00 × 7.88 × 3.25/4.63	M24 × 2 × 150	16,000
IM101M30NTS	10.00 × 7.88 × 3.25/4.63	M30 × 2 × 150	25,000

Machine Mount Worksheet

ONLINE FORM

Please complete this worksheet and send via fax (888-808-4363) or DME@dme.net.

Company:		Contact Name:	
Account Number:		Phone:	
Address:		Fax :	
City:		E-mail:	

ELECTRONIC QUOTE REQUEST FORM

or visit
www.dme.net/rfq

MACHINE MANUFACTURER:

TYPE OF MACHINE:

MODEL NO: SERIAL NO:

MACHINE WEIGHT: MOLD WEIGHT (IF APPLICABLE):

OF MOUNTING POINTS: FOOT L × W × THICKNESS: × ×

MOUNTING HOLE DIA: MAX. TOP WASHER DIA:

MAX STUD LENGTH:

WHAT PROBLEM ARE WE SOLVING?:

☐ NEW ☐ USED (PREVIOUS INSTALLATION APPROACH)

COMMENTS:

OPTIONAL MACHINE LAYOUT
(YOU MAY USE THIS SPACE TO PROVIDE A SKETCH WITH ADDITIONAL DETAIL AND/OR WEIGHT DISTRIBUTION IF NEEDED.)

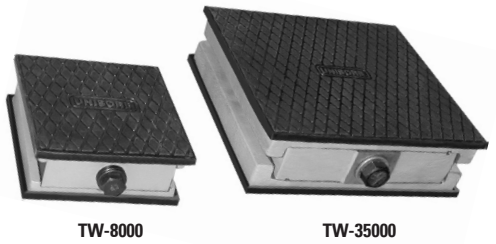
Unisorb Machine Mounts

Tri-Wedge Mounts

The UNISORB Tri-Wedges Mount series is available in two sizes. The TW8000 and TW35000 are load rated at 8,000 and
35,000 lbs. respectively. These similarly designed Tri-Wedge Mounts both utilize two stationary and one sliding wedge to provide mechanical lift for the mounts. An adjustment bolt moves the center wedge fore & aft between the stationary wedges to provide lift to the top wedge. Each model has height ranges based on the position of a retainer within the mounts. The retainer (shaded in the illustration at right) can be placed in one of two retaining sockets. Placing the retainer in the socket nearest to the adjusting bolt head moves the mount through the lower height range. Positioning the retainer in the rear socket moves the mount through the upper height range.

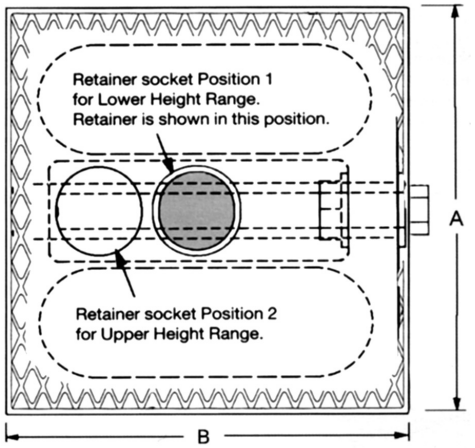
Both models may be used either with or without pads. The pads provide excellent isolation from vibrations between the machine base, the mounts and the floor. Each pad is recessed approximately 1/8 of an inch to allow for a secure fit over the edges of the top and bottom of the mounts. The thickness of the pads is approximately 1/4 inch. The TW35000 is available with an optional vertical stud (see tables below). In addition to providing precision leveling capability, these mounts also will prevent machines from walking.

- Heavy-duty machinery mount system
- Two height ranges in one mount
- Easily accessible side adjustment
- Use for all in-place alignment and leveling
- Pads provide vibration isolation
- Patented designs on mounts and pads

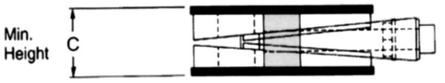


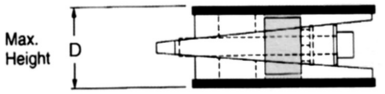
TW-8000 TW-35000

Unisorb Tri-Wedge Mounts for Injection Molding Machines

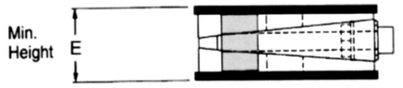


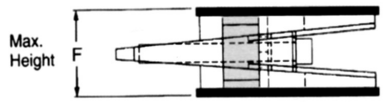
LOWER HEIGHT RANGE





UPPER HEIGHT RANGE





Specifications						
Unisorb Machine Mount	**A**	**B**	**C**	**D**	**E**	**F**
TW-8000	**5.31**	**5.31**	**2.00**	**2.30**	**2.20**	**2.50**
TW-35000	**9.40**	**8.40**	**2.46**	**2.91**	**2.75**	**3.20**
TW-35000 with STUD	**9.40**	**8.40**	**2.52**	**2.91**	**2.75**	**3.08**

All dimensions in inches, includes pads, and may vary slightly between runs. Height dimensions shown are with no load.

Part Number	Includes	L × W × H (min./max.) inches	Max. Load (lbs)
TW8000NP	No Pads	5.31 × 5.31 × 2.00/2.50	8000
TW8000TP	Two Pads	5.31 × 5.31 × 2.00/2.50	8000
TW35000NP	No Pads	9.40 × 8.40 × 2.46/3.20	35000
TW35000TP	Two Pads	9.40 × 8.40 × 2.46/3.20	35000
TW35000TPS	Two Pads and Stud	9.40 × 8.40 × 2.52/3.08	35000

TOPS-ALL

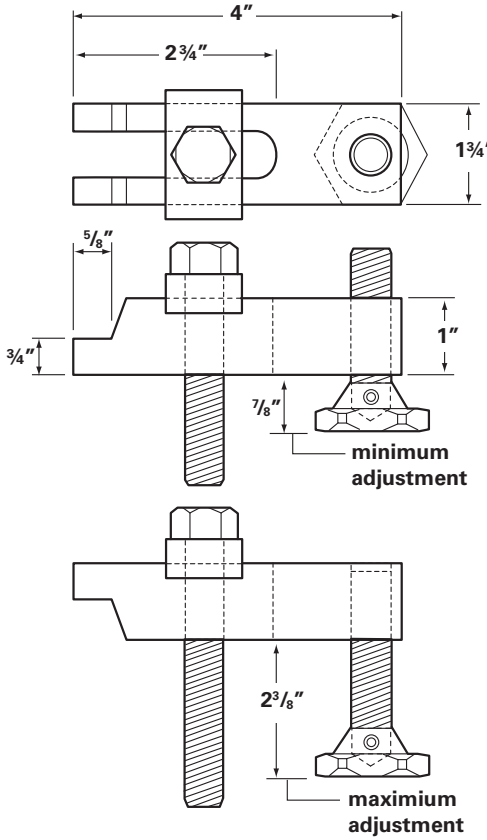
- A fast-adjusting, easy-to-handle design that reduces setup time
- Each clamp built to strict standards of premium quality steel, hardened for long-lasting life with black penetrate finish to prevent rust
- Available as complete assemblies or as individual parts

MACHINED MOLD CLAMPS

TopsAll® Machined Mold Clamps

4" Machined Open Toe Clamp - ⅝ – 11 Thread

* Items are included in kit



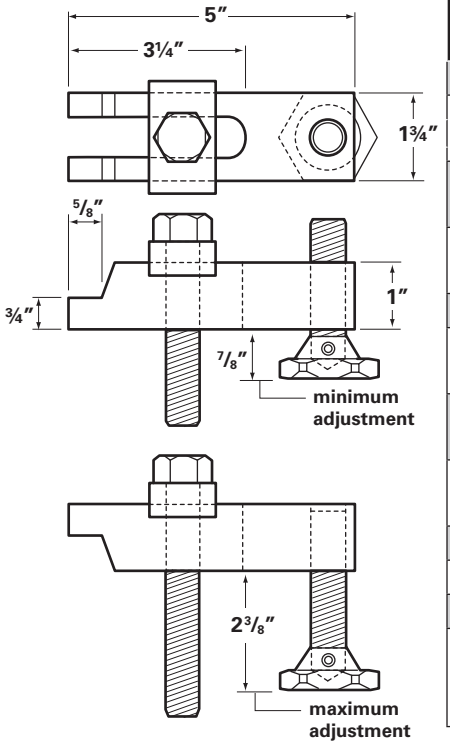
Part Number	Description
HD584*	4" Heavy-Duty Open Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835*	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58	Round Mold Washer, ⅝ I.D., 1¼" O.D., ¼" Thickness
RW586	Extra Large Round Mold Washer, ⅝" I.D., 1 3/4" O.D., ½" Thickness
SW587*	No-Turn Washer for ⅝–11 Thread, 2¼" Length
H585*	Extra Large Adjusting Screw - 3" Overall Length
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC584A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

Machined Mold Clamps

5" Machined Open Toe Clamp - ⅝ –11 Thread

MACHINED MOLD CLAMPS

* Items are included in kit

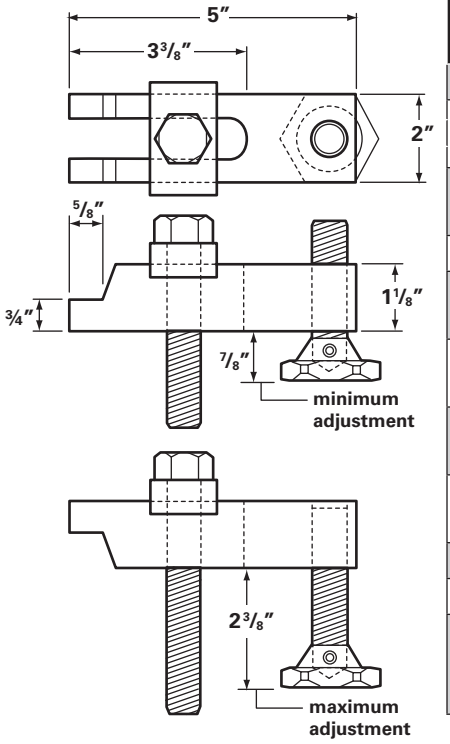


Part Number	Description
HD585*	5" Heavy-Duty Open Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835*	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58	Round Mold Washer, ⅝" I.D., 1¼" O.D., ¼" Thickness
RW586	Extra Large Round Mold Washer, ⅝" I.D., 1¾" O.D., ½" Thickness
SW587*	No-Turn Washer for ⅝–11 Thread, 2¼" Length
H585*	Extra Large Adjusting Screw - 3" O.A.L.
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC585A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

5" Machined Open Toe Clamp - ¾ –10 Thread

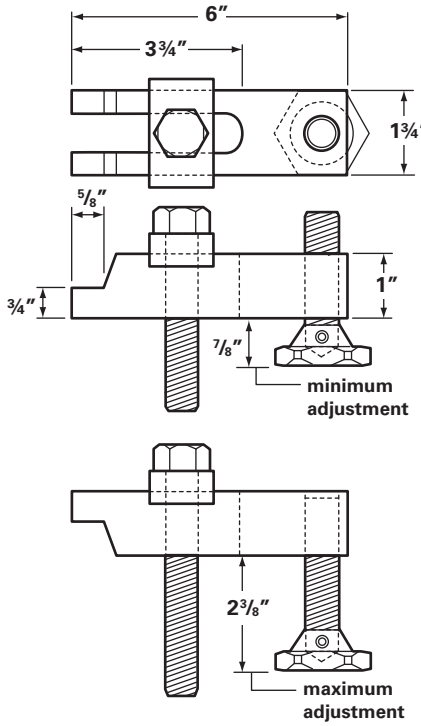
* Items are included in kit



Part Number	Description
HD755*	5" Heavy-Duty Open Toe Clamp Body
S7540*	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757*	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L.
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
TAC755A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

6" Machined Open Toe Clamp - ⅝ – 11 Thread

MACHINED MOLD CLAMPS

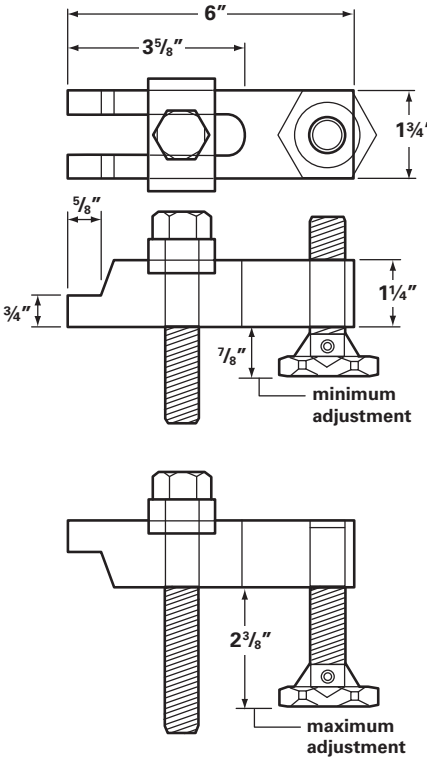


* Items are included in kit

Part Number	Description
HD586*	6" Heavy-Duty Open Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835*	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58	Round Mold Washer, ⅝" I.D., 1¼" O.D., ¼" Thickness
RW586	Extra Large Round Mold Washer, ⅝" I.D., 1¾" O.D., ½" Thickness
SW587*	No-Turn Washer for ⅝–11 Thread, 2¼" Length
H585*	Extra Large Adjusting Screw - 3" O.A.L.
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC586A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

6" Extra Heavy-Duty Open Toe Clamp - ⅝ – 11 Thread



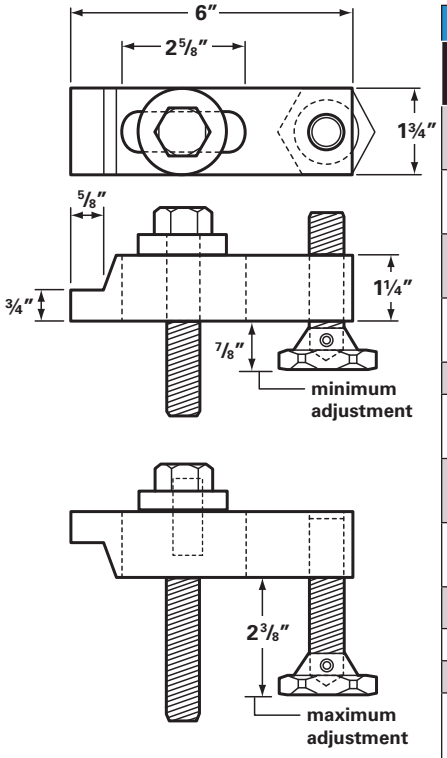
Extra Heavy Duty * Items are included in kit

Part Number	Description
XHD5860*	6" EXTRA Heavy-Duty Open Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837*	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58	Round Mold Washer, ⅝" I.D., 1¼" O.D., ¼" Thickness
RW586	Extra-Large Round Mold Washer, ⅝" I.D., 1¾" O.D., ½" Thickness
SW587*	No-Turn Washer for ⅝–11 Thread, 2¼" Length
H585*	Extra-Large Adjusting Screw - 3" O.A.L.
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC5860A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

Machined Mold Clamps

6" Machined Closed Toe Clamp - 5/8 – 11 Thread

MACHINED MOLD CLAMPS



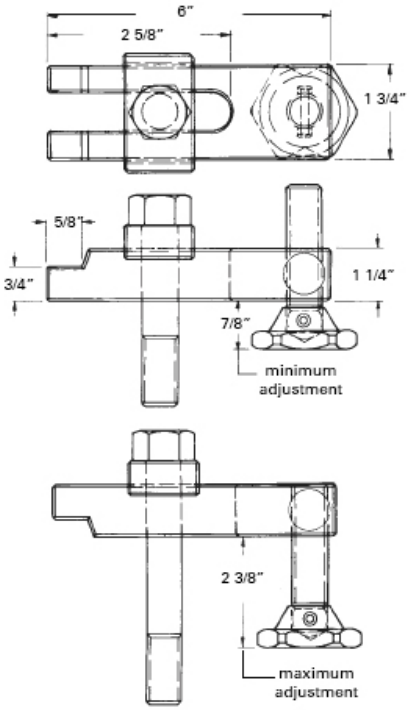
* Items are included in kit

Extra Heavy Duty	
Part Number	**Description**
XHD5861*	6" Extra Heavy-Duty Closed Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837*	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58	Round Mold Washer, 5/8" I.D., 1¼" O.D., ¼" Thickness
RW586*	Extra Large Round Mold Washer, 5/8" I.D., 1¾" O.D., ½" Thickness
SW587	No-Turn Washer for 5/8-11 Thread, 2¼" Length
H585*	Extra Large Adjusting Screw - 3" O.A.L.
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC5861A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

6" Machined Open Toe Clamp - ¾ – 10 Thread

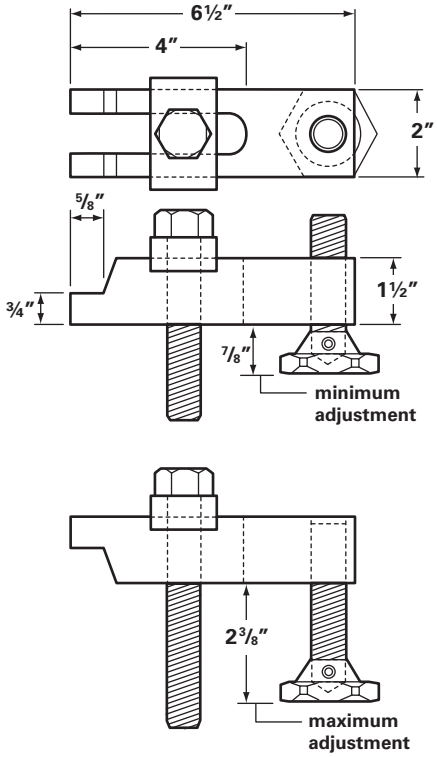
* Items are included in kit



Part Number	Description
HD756*	6" Heavy-Duty Open Toe Clamp Body
S7540*	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757*	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
TAC756A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

6½" Machined Open Toe Clamp - ¾ – 10 Thread

MACHINED MOLD CLAMPS

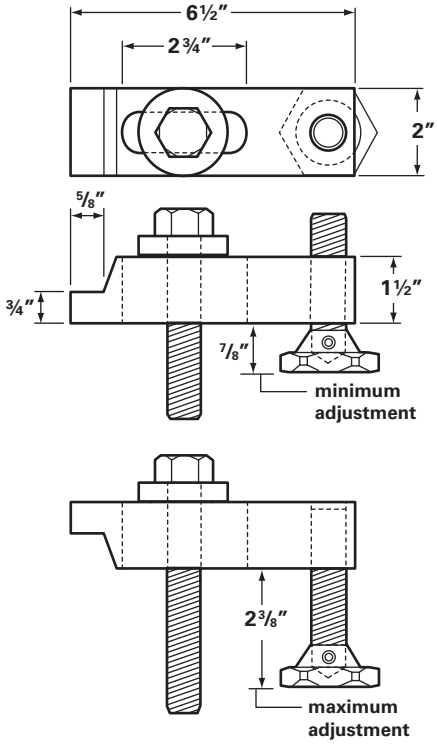


* Items are included in kit

Extra Heavy Duty	
Part Number	**Description**
XHD7565*	6½" Extra Heavy-Duty Open Toe Clamp Body
S7540	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545*	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757*	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
TAC7565A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

6½" Machined Closed Toe Clamp - ¾ – 10 Thread



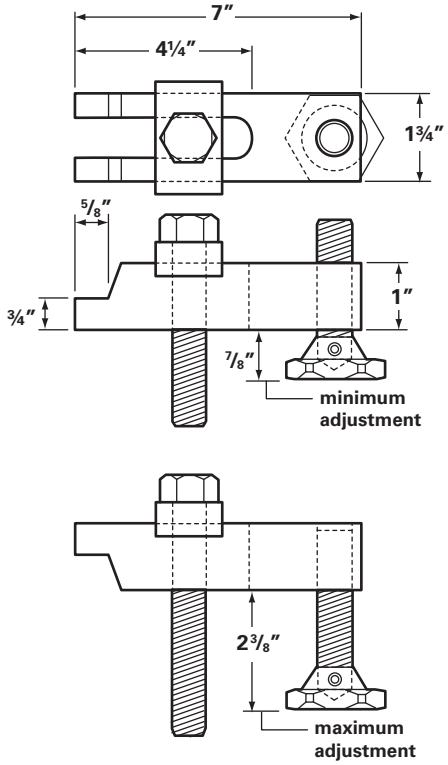
Extra Heavy Duty * Items are included in kit	
Part Number	**Description**
XHD7566*	6½" Extra Heavy-Duty Closed Toe Clamp Body
S7540	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545*	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756*	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
TAC7566A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

Machined Mold Clamps

7" Machined Open Toe Clamp - ⅝ – 11 Thread

MACHINED MOLD CLAMPS

* Items are included in kit

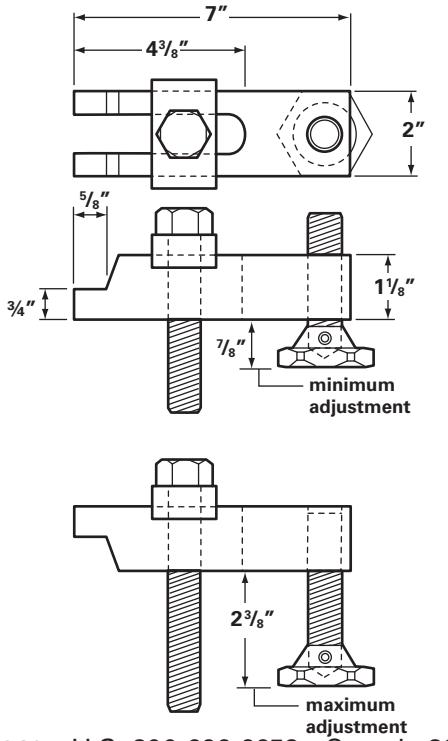


Part Number	Description
HD587*	7" Heavy-Duty Open Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835*	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58	Round Mold Washer, ⅝" I.D., 1¼" O.D., ¼" Thickness
RW586	Extra Large Round Mold Washer, ⅝" I.D., 1¾" O.D., ½" Thickness
SW587*	No-Turn Washer for ⅝–11 Thread, 2¼" Length
H585*	Extra Large Adjusting Screw - 3" O.A.L.
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC587A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

7" Machined Open Toe Clamp - ¾ – 10 Thread

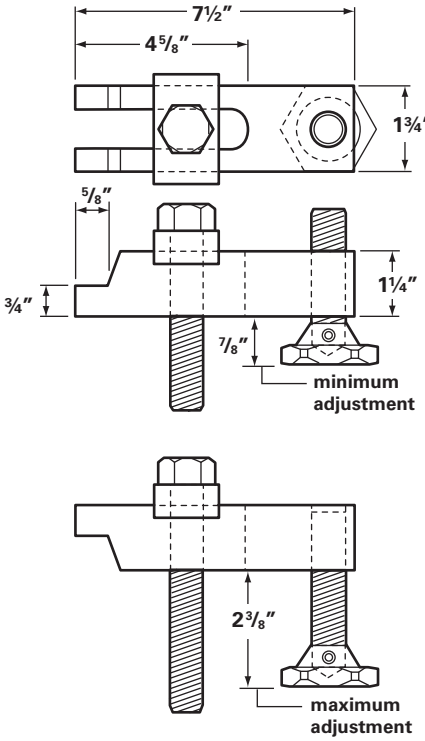
* Items are included in kit



Part Number	Description
HD757*	7" Heavy-Duty Open Toe Clamp Body
S7540*	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757*	No-Turn Washer for ¾ –10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L.
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
TAC757A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

7½" Machined Open Toe Clamp - ⅝ – 11 Thread

MACHINED MOLD CLAMPS

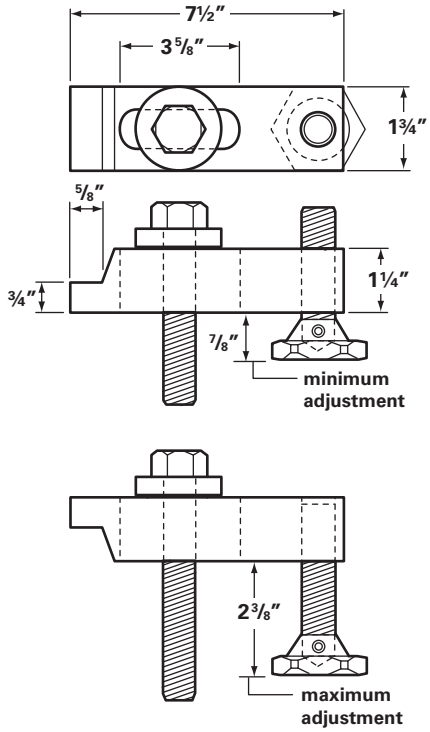


* Items are included in kit

Extra Heavy Duty	
Part Number	**Description**
XHD5875*	7½" Extra Heavy-Duty Open Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837*	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58	Round Mold Washer, ⅝ I.D., 1¼" O.D., ¼" Thickness
RW586	Extra Large Round Mold Washer, ⅝" I.D., 1¾" O.D., ½" Thickness
SW587*	No-Turn Washer for ⅝–11 Thread, 2¼" Length
H585*	Extra Large Adjusting Screw - 3" O.A.L.
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC5875A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

7½" Machined Closed Toe Clamp - ⅝ – 11 Thread



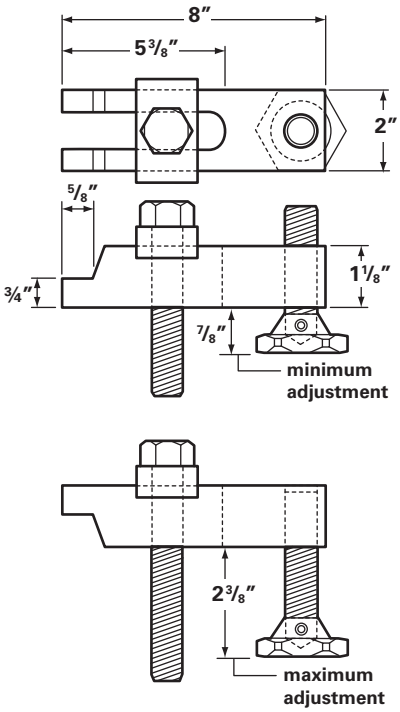
Extra Heavy Duty	* Items are included in kit
Part Number	**Description**
XHD5876*	7½" Extra Heavy-Duty Closed Toe Clamp Body
S5832	Grade 5, Hex Head Clamping Screw, 3¼" Under Hex
S5835	Grade 5, Hex Head Clamping Screw, 3½" Under Hex
S5837*	Grade 5, Hex Head Clamping Screw, 3¾" Under Hex
H58	Hex Head Adjusting Screw
RW58*	Round Mold Washer, ⅝ I.D., 1¼" O.D., ¼" Thickness
RW586	Extra Large Round Mold Washer, ⅝" I.D., 1¾" O.D., ½" Thickness
SW587	No-Turn Washer for ⅝–11 Thread, 2¼" Length
H585*	Extra Large Adjusting Screw - 3" O.A.L.
TB5845	High-Strength T-Slot Bolt, 4½" Length
N58	Heavy-Duty Hex Nut for T-Slot Bolt
TAC5876A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

Machined Mold Clamps

8" Machined Open Toe Clamp - ¾ – 10 Thread

MACHINED MOLD CLAMPS

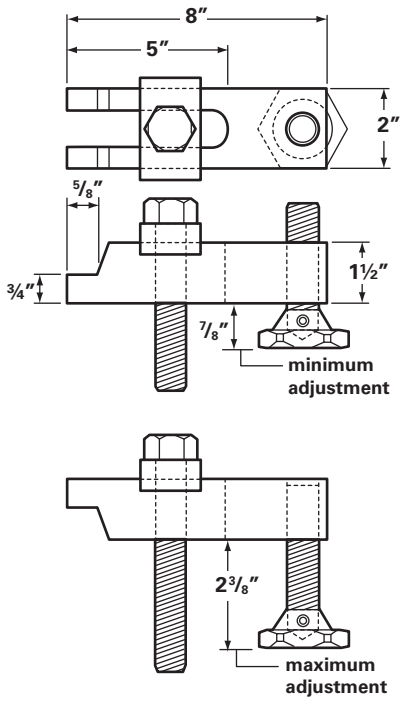
* Items are included in kit



Part Number	Description
HD758*	8" Heavy-Duty Open Toe Clamp Body
S7540*	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757*	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L.
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
HX6	Case Hardened Hex Nut for T-Slot Bolts -1¼" across flats
TAC758A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

8" Machined Open Toe Clamp - ¾ – 10 Thread

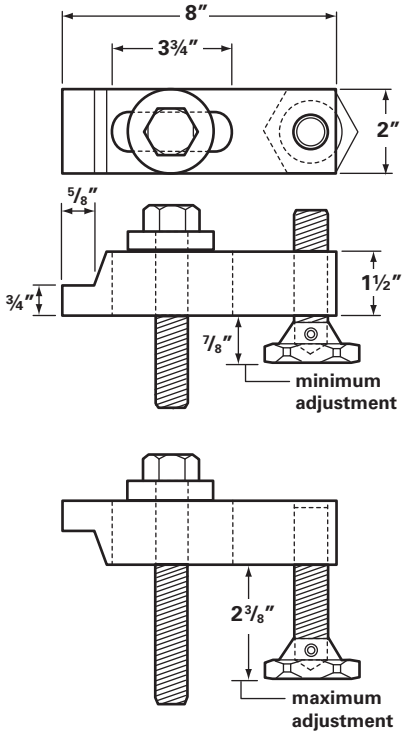


Extra Heavy Duty * Items are included in kit

Part Number	Description
XHD7580*	8" Extra Heavy-Duty Open Toe Clamp Body
S7540	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545*	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757*	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L.
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
HX6	Case Hardened Hex Nut for T-Slot Bolts -1¼" across flats
TAC7580A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

8" Machined Closed Toe Clamp - ¾ – 10 Thread

MACHINED MOLD CLAMPS

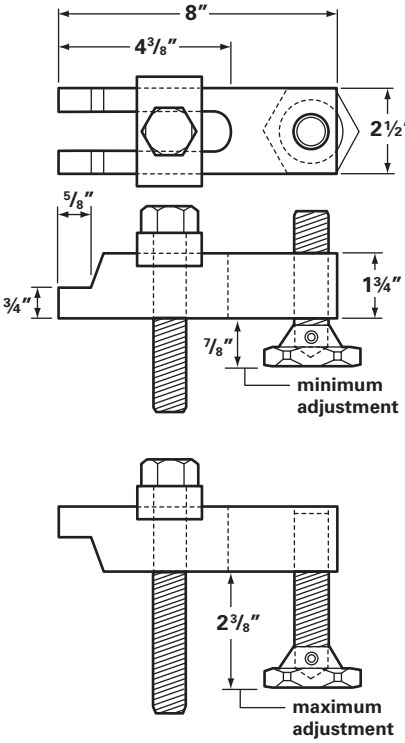


* Items are included in kit

Extra Heavy Duty	
Part Number	**Description**
XHD7581*	8" Extra Heavy-Duty Closed Toe Clamp Body
S7540	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545*	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756*	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L.
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
HX6	Case Hardened Hex Nut for T-Slot Bolts -1¼" across flats
TAC7581A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

8" Machined Open Toe Clamp - 1 – 8 Thread

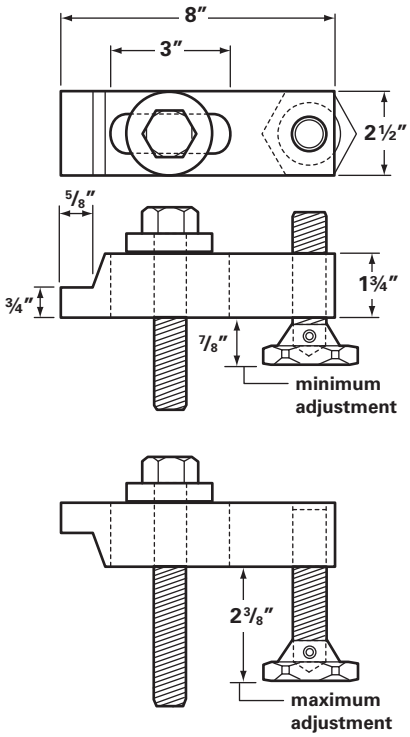


Extra Heavy Duty	* Items are included in kit
Part Number	**Description**
XHD1008*	8" Extra Heavy-Duty Open Toe Clamp Body
S1045	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
S1050	Grade 5, Hex Head Clamping Screw, 5" Under Hex
S1055*	Grade 5, Hex Head Clamping Screw, 5½" Under Hex
H100	Hex Head Adjusting Screw 1–8 thread size
RW100	Round Mold Washer, 1" I.D., 2" O.D., 5/16" Thickness
RW1006	Extra Large Round Mold Washer, 1" I.D., 2½" O.D., ⅝" Thickness
SW1007*	No-Turn Washer for 1–8 Thread, 3" Length
H1005*	Extra Large Adjusting Screw - 3½" O.A.L.
TB1060	High-Strength T-Slot Bolt, 6" Length
N100	Heavy-Duty Hex Nut for T-Slot Bolt
TAC1008A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

Machined Mold Clamps

8" Machined Closed Toe Clamp - 1 – 8 Thread

MACHINED MOLD CLAMPS

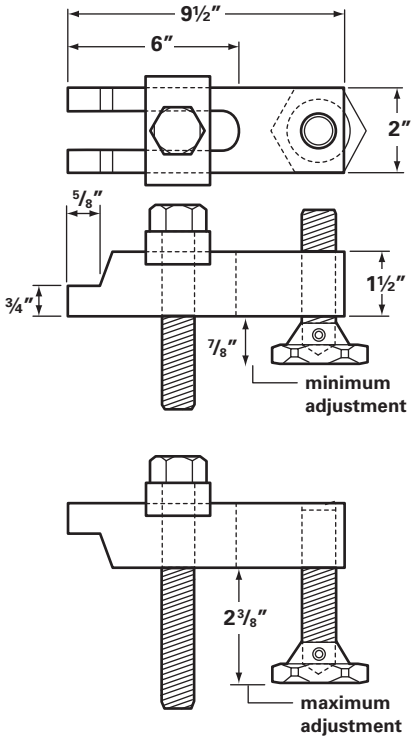


* Items are included in kit

Extra Heavy Duty	
Part Number	**Description**
XHD1009*	8" Extra Heavy-Duty Closed Toe Clamp Body
S1045	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
S1050	Grade 5, Hex Head Clamping Screw, 5" Under Hex
S1055*	Grade 5, Hex Head Clamping Screw, 5½" Under Hex
H100	Hex Head Adjusting Screw 1–8 thread size
RW100	Round Mold Washer, 1" I.D., 2" O.D., 5/16" Thickness
RW1006*	Extra Large Round Mold Washer, 1" I.D., 2½" O.D., ⅝" Thickness
SW1007	No-Turn Washer for 1–8 Thread, 3" Length
H1005*	Extra Large Adjusting Screw - 3½" O.A.L.
TB1060	High-Strength T-Slot Bolt, 6" Length
N100	Heavy-Duty Hex Nut for T-Slot Bolt
TAC1009A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

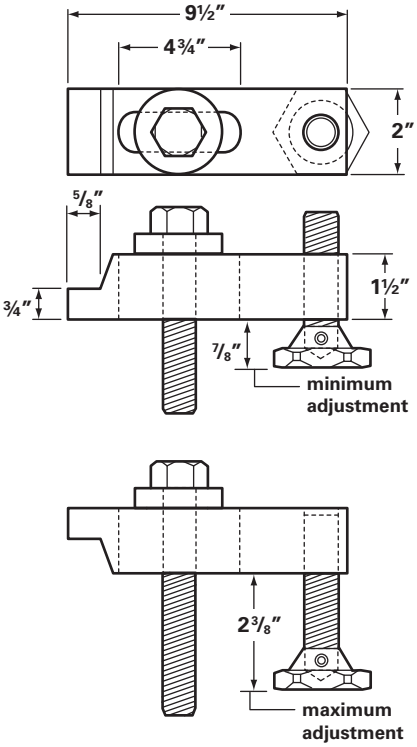
9½" Machined Open Toe Clamp - ¾ – 10 Thread



Extra Heavy Duty	* Items are included in kit
Part Number	**Description**
XHD7595*	9½" Extra Heavy-Duty Open Toe Clamp Body
S7540	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545*	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757*	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L.
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
HX6	Case Hardened Hex Nut for T-Slot Bolts -1¼" across flats
TAC7595A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

9½" Machined Closed Toe Clamp - ¾ – 10 Thread

MACHINED MOLD CLAMPS

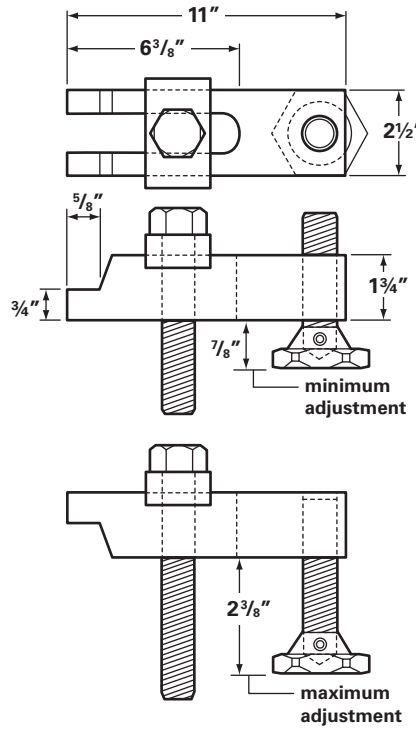


* Items are included in kit

Extra Heavy Duty	
Part Number	**Description**
XHD7596*	9½" Extra Heavy-Duty Closed Toe Clamp Body
S7540	Grade 5, Hex Head Clamping Screw, 4" Under Hex
S7545*	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
H75	Hex Head Adjusting Screw
RW75	Round Mold Washer, ¾" I.D., 1½" O.D., ¼" Thickness
RW756*	Extra Large Round Mold Washer, ¾" I.D., 2" O.D., ½" Thickness
SW757	No-Turn Washer for ¾–10 Thread, 2½" Length
H755*	Extra Large Adjusting Screw - 3½" O.A.L.
TB7550	High-Strength T-Slot Bolt, 5" Length
N75	Heavy-Duty Hex Nut for T-Slot Bolt
HX6	Case Hardened Hex Nut for T-Slot Bolts -1¼" across flats
TAC7596A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

10" Machined Open Toe Clamp - 1 – 8 Thread



* Items are included in kit

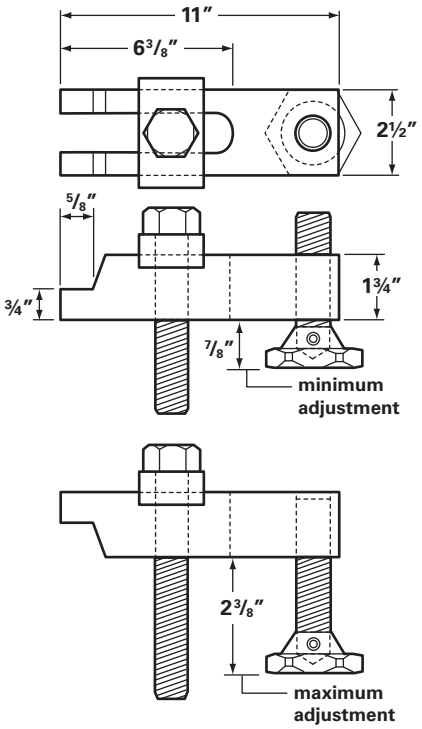
Part Number	Description
HD110*	10" Heavy-Duty Open Toe Clamp Body
S1045	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
S1050*	Grade 5, Hex Head Clamping Screw, 5" Under Hex
S1055	Grade 5, Hex Head Clamping Screw, 5½" Under Hex
H100	Hex Head Adjusting Screw 1–8 thread size
RW100	Round Mold Washer, 1" I.D., 2" O.D., 5/16" Thickness
RW1006	Extra Large Round Mold Washer, 1" I.D., 2½" O.D., ⅝" Thickness
SW1007*	No-Turn Washer for 1–8 Thread, 3" Length
H1005*	Extra Large Adjusting Screw - 3½" O.A.L.
TB1060	High-Strength T-Slot Bolt, 6" Length
N100	Heavy-Duty Hex Nut for T-Slot Bolt
TAC110A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

B

Machined Mold Clamps

11" Machined Open Toe Clamp -1 – 8 Thread

MACHINED MOLD CLAMPS

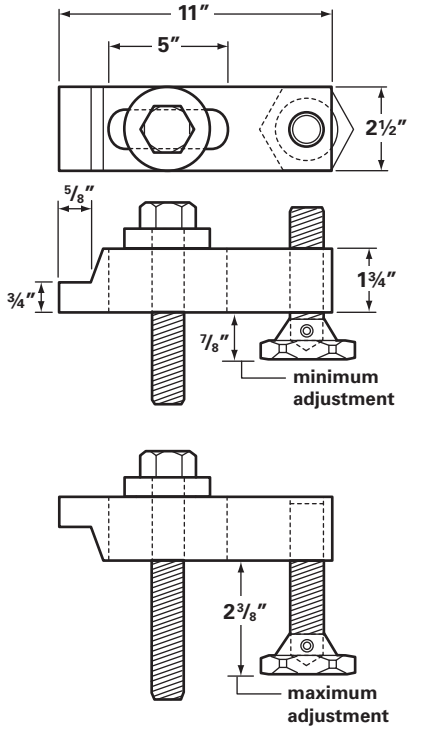


* Items are included in kit

Extra Heavy Duty	
Part Number	**Description**
XHD1011*	11" Extra Heavy-Duty Open Toe Clamp Body
S1045	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
S1050	Grade 5, Hex Head Clamping Screw, 5" Under Hex
S1055*	Grade 5, Hex Head Clamping Screw, 5½" Under Hex
H100	Hex Head Adjusting Screw 1–8 thread size
RW100	Round Mold Washer, 1" I.D., 2" O.D., 5/16" Thickness
RW1006	Extra Large Round Mold Washer, 1" I.D., 2½" O.D., ⅝" Thickness
SW1007*	No-Turn Washer for 1–8 Thread, 3" Length
H1005*	Extra Large Adjusting Screw - 3½" O.A.L.
TB1060	High-Strength T-Slot Bolt, 6" Length
N100	Heavy-Duty Hex Nut for T-Slot Bolt
TAC1011A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

TopsAll® Machined Mold Clamps

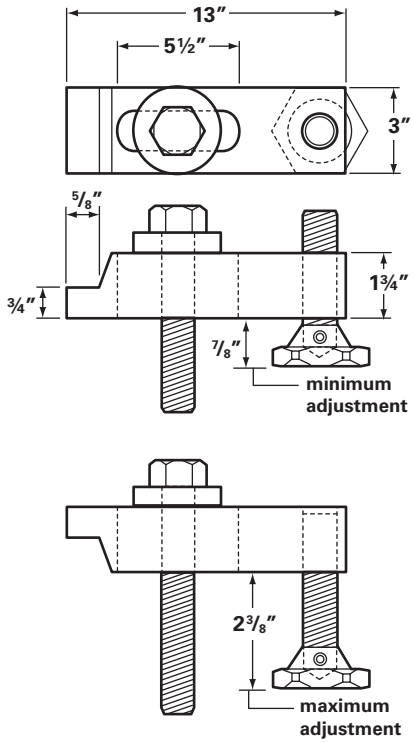
11" Machined Closed Toe Clamp -1 – 8 Thread



Extra Heavy Duty	* Items are included in kit
Part Number	**Description**
XHD1012*	11" Extra Heavy-Duty Closed Toe Clamp Body
S1045	Grade 5, Hex Head Clamping Screw, 4½" Under Hex
S1050	Grade 5, Hex Head Clamping Screw, 5" Under Hex
S1055*	Grade 5, Hex Head Clamping Screw, 5½" Under Hex
H100	Hex Head Adjusting Screw 1–8 thread size
RW100	Round Mold Washer, 1" I.D., 2" O.D., 5/16" Thickness
RW1006*	Extra Large Round Mold Washer, 1" I.D., 2½" O.D., ⅝" Thickness
SW1007	No-Turn Washer for 1–8 Thread, 3" Length
H1005*	Extra Large Adjusting Screw - 3½" O.A.L.
TB1060	High-Strength T-Slot Bolt, 6" Length
N100	Heavy-Duty Hex Nut for T-Slot Bolt
TAC1012A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

13" Machined Closed Toe Clamp -1¼ – 7 Thread

MACHINED MOLD CLAMPS

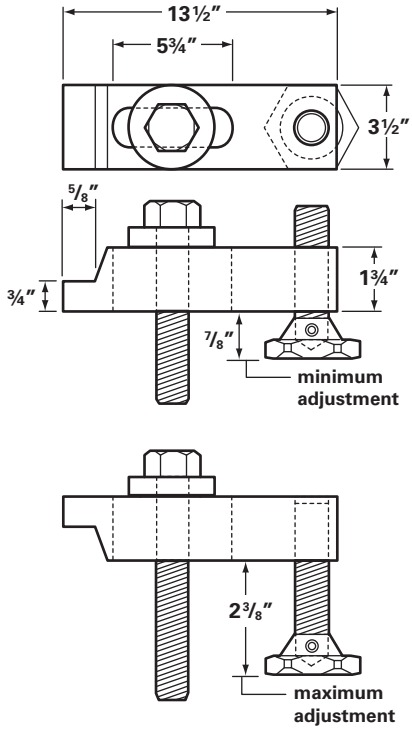


Extra Heavy Duty	
Part Number	**Description**
XHD1250	13" Extra Heavy-Duty Closed Toe Clamp Body
S1256	Grade 5, Hex Head Clamping Screw, 6" Under Hex
RW1256	Extra Large Round Mold Washer, 1¼" I.D., 3" O.D., ⅝" Thickness
H1505	Extra Large Adjusting Screw - 5⅝" O.A.L.
TAC1250A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

B

TopsAll® Machined Mold Clamps

13½" Machined Closed Toe Clamp - 1½ – 6 Thread



Extra Heavy Duty	
Part Number	**Description**
XHD1500	13½" Extra Heavy-Duty Closed Toe Clamp Body
S1506	Grade 5, Hex Head Clamping Screw, 6" Under Hex
RW1506	Extra Large Round Mold Washer, 1½" I.D., 3½" O.D., ⅝" Thickness
H1505	Extra Large Adjusting Screw - 5⅝" O.A.L.
TAC1500A	Complete Assembly - Mold Clamp, Adjusting Screw, Mold Washer & Clamping Screw

Socket Head Cap Screws- Inch

Up to 12" Long

High-grade alloy steel, heat treated to 38-45 HRC. Tensile strength: 180,000 psi minimum.

SOCKET HEAD CAP SCREWS

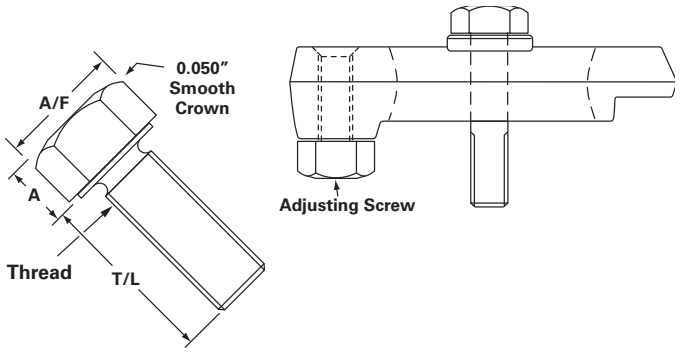
D = DIAMETER OF SCREWS												
		NO. 6	NO. 8	NO. 10	¼	⅝16	⅜	½	⅝	¾	1	
DECIMAL EQUIVALENT		.138	.164	.190	.250	.3125	.375	.500	.625	.750	1.000	DECIMAL EQUIVALENT
THREADS PER INCH NATIONAL COARSE		32	32	24	20	18	16	13	11	10	8	THREADS PER INCH NATIONAL COARSE
L = LENGTH UNDER THE HEAD	¼	●	●									¼
	⅜	●	●	●	●	●						⅜
	½	●	●	●	●	●	●	●				½
	⅝	●	●	●	●	●	●	●				⅝
	¾	●	●	●	●	●	●	●				¾
	⅞	●	●	●	●	●	●	●				⅞
	1	●	●	●	●	●	●	●	●			1
	1¼		●	●	●	●	●	●	●			1¼
	1½		●	●	●	●	●	●	●			1½
	1¾			●	●	●	●	●	●			1¾
	2			●	●	●	●	●	●	●	●	2
	2¼				●	●	●	●	●	●		2¼
	2½				●	●	●	●	●	●	●	2½
	2¾				●	●	●	●	●	●		2¾
	3				●	●	●	●	●	●	●	3
	3¼					●	●	●	●	●		3¼
	3½					●	●	●	●	●	●	3½
	4						●	●	●	●	●	4
	4½						●	●	●	●		4½
	5						●	●	●	●	●	5
	5¼							●				5¼
	5½							●	●	●	●	5½
	5¾							●				5¾
	6						●	●	●	●	●	6
	6½							●	●	●	●	6½
	7							●	●	●	●	7
	7½							●	●			7½
	8							●	●	●	●	8
	9							●				9
	10							●	●	●		10
	12							●	●	●		12
MAX HEAD DIAMETER		.226	.270	⅝16	⅜	15⁄32	9⁄16	¾	15⁄16	1⅛	1½	MAX HEAD DIAMETER
MAX HEAD HEIGHT		.138	.164	.190	¼	⅝16	⅜	½	⅝	¾	1	MAX HEAD HEIGHT
SIZE OF HEX HOLE		7⁄64	9⁄64	⅝32	3⁄16	¼	⅝16	⅜	½	⅝	¾	SIZE OF HEX HOLE

● = in stock

HOW to BUILD AN ITEM NUMBER: Diameter + Length + CS (Cap Screw)

Examples:

» ¼" diameter x 2-¾" long Cap Screw = 14234CS » 1" diameter x 2" long Cap Screw = 12CS » ½" diameter x 10" long Cap Screw = 1210CS



ADJUSTING SCREWS

For Use with Adjustable Mold Clamps

Use adjusting screw, if required, to ensure that the clamp is parallel to the platen for maximum strength.

For use with all mold clamps except model AC0. Smooth-crowned head permits easy adjustment of clamp to meet any mold flange height between 15⁄32″ and 2″. Hardened with black oxide finish.

	MCAS0	MCAS1	MCAS2	MCAS3
A/F	1″	1¼″	1¼″	1⅝″
A	⅜″	½″	½″	⅝″
Thread	½″–13	¾″–10	¾″–10	1″–8
T/L	1½″	1½″	2″	2″

Adjusting Screws

Thread Size	Length under Head	Across Flats	Use with Clamp	Part Number
½″-13	1½″	1″	AC0FC	**MCAS0**
¾″-10	1½″	1¼″	AC1, 2, 3, 4, 5	**MCAS1**
¾″-10	2″	1¼″	AC9	**MCAS2**
1″-8	2″	1⅝″	AC10, 12, 13	**MCAS3**

EXTRA LARGE Adjusting Screw Assemblies

Thread Size	Hex Size	Swivel Base Height	Overall Height	Part Number
⅝″-11	1¾″	⅞″	3″	**H585**
¾″-10	2″	⅞″	3½″	**H755**
1″-8	2½″	1 5⁄16″	3½″	**H1005**
1½″-6	3″	1⅝″	5⅝″	**H1505**

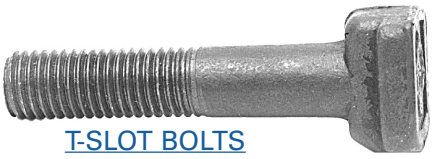
Hex Head Adjusting Screw

Thread Size	Clamp Screw Dia.	Head Thickness	Height Above Head	Part Number
⅝″-11	⅝″	7⁄16″	2½″	**H58**
¾″-10	¾″	½″	2½″	**H75**
1″-8	1″	⅝″	2½″	**H100**

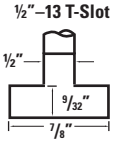
T-Slot Bolts

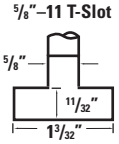
Cannot twist or jam in slots. Full smooth cut threads.

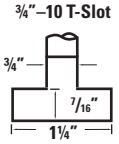
Standard Hot Forged T-Slot Bolts; C-1045 Steel, Class 3 N.C.

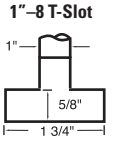


T-SLOT BOLTS









OAL Length	½–13 Thd. Part No.	⅝–11 Thd. Part No.	¾–10 Thd. Part No.	1"–8 Thd. Part No.
2"	**TS42**	**TS52**	**TS62**	
2½"	**TS42 ½**	**TS52 ½**	**TS62 ½**	
3"	**TS43**	**TS53**	**TS63**	**TS83**
3½"	**TS43 ½**	**TS53 ½**	**TS63 ½**	
4"	**TS44**	**TS54**	**TS64**	**TS84**
4½"	**TS44 ½**	**TS54 ½**	**TS64 ½**	
5"	**TS45**	**TS55**	**TS65**	**TS85**
5½"	**TS45 ½**	**TS55 ½**	**TS65 ½**	
6"	**TS46**	**TS56**	**TS66**	**TS86**
7"	**TS47**	**TS57**	**TS67**	**TS87**
8"	**TS48**	**TS58**	**TS68**	**TS88**
9"	**TS49**	**TS59**	**TS69**	**TS89**
10"	**TS410**	**TS510**	**TS610**	**TS810**
12"	**TS412**	**TS512**	**TS612**	**TS812**
14"	**TS414**	**TS514**	**TS614**	**TS814**
Head Thickness	5/16"	13/32"	17/32"	11/16"
Head Size	7/8" square	1⅛" square	1 5/16" square	1 11/16" square

Case Hardened Hex Nuts

For T-Slot Bolts

CASE HARDENED HEX NUTS

Extra thick, machined from 12L14 bar stock, case hardened washer bearing surface.

Thread	Across Flats	Thickness	Part Number
½"–13	7/8"	5/8"	H × 4
⅝"–11	1 1/16"	¾"	H × 5
¾"–10	1¼"	7/8"	H × 6
7/8"–9	1 7/16"	1⅛"	H × 7
1"–8	1⅝"	1¼"	H × 8

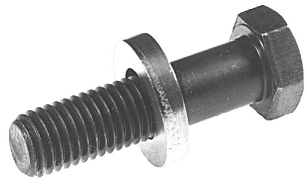
U.S. Threads

Part Number	Thread Size	Length Under Head
HHB5025	½–13	2½″
HHB5030	½–13	3″
HHB5035	½–13	3½″
HHB6225	⅝–11	2½″
HHB6230	⅝–11	3″
HHB6235	⅝–11	3½″
HHB6240	⅝–11	4″
HHB6245	⅝–11	4½″
HHB6250	⅝–11	5″
HHB7530	¾–10	3″
HHB7535	¾–10	3½″
HHB7540	¾–10	4″
HHB7545	¾–10	4½″
HHB7550	¾–10	5″
HHB1030	1–8	3″
HHB1035	1–8	3½″
HHB1040	1–8	4″
HHB1045	1–8	4½″
HHB1050	1–8	5″
HHB1060	1–8	6″
HHB1240	1¼–7	4″
HHB1250	1¼–7	5″
HHB1260	1¼–7	6″
HHB1270	1¼–7	7″

Metric Threads

Part Number	Thread Size	Length (Under Head)
MHB1265	12 × 1.75	65
MHB1275	12 × 1.75	75
MHB1290	12 × 1.75	90
MHB1675	16 × 2	75
MHB1690	16 × 2	90
MHB16100	16 × 2	100
MHB16110	16 × 2	110
MHB16120	16 × 2	120
MHB16130	16 × 2	130
MHB2080	20 × 2.5	80
MHB2090	20 × 2.5	90
MHB20100	20 × 2.5	100
MHB20110	20 × 2.5	110
MHB20120	20 × 2.5	120
MHB20130	20 × 2.5	130
MHB24100	24 × 3	100
MHB24110	24 × 3	110
MHB24120	24 × 3	120
MHB24130	24 × 3	130
MHB24140	24 × 3	140
MHB24150	24 × 3	150
MHB24160	24 × 3	160

GRADE 5 BOLTS



Mold Clamp Washers

Economy

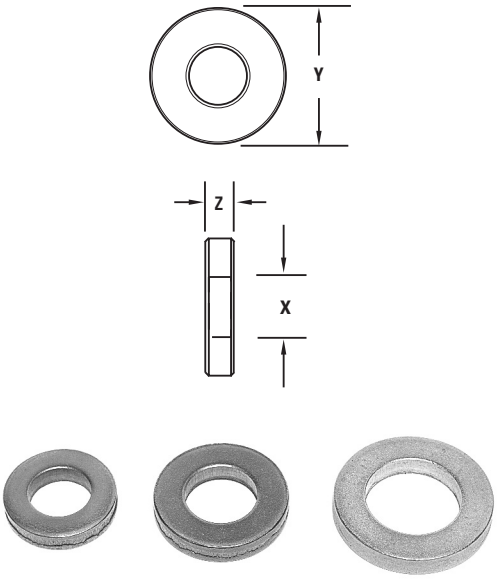
MOLD CLAMP WASHERS

Part Number	I.D.	O.D.	Thickness
MCW1M	9/16″	1 1/16″	¼″
MCW2M	21/32″	1 5/16″	¼″
MCW3M	25/32″	1½″	¼″
MCW4M	1 1/32″	1¾″	¼″

Thick-Stamped Washers

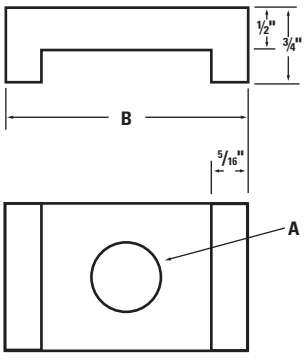
Thick-Stamped, Steel Washers with soft core won't crack. Large O.D. provides excellent bearing surface. An excellent washer for mold clamps and other shop uses.

Bolt Size	Dimensions			Use with Clamps	Part Number
	X	Y	Z		
½"–13 (12mm)	9/16"	1⅛"	¼"	AC0	W1
⅝"–11 (16mm)	21/32"	1¼"	¼"	AC1 & 3	W2
¾"–10 (20mm)	25/32"	1-¾"	¼"	AC2 & 4	W3
	29/32"	1¾"	¼"		W6
1"–8 (24mm)	1-1/32"	2"	5/16"	AC5 & 9	W4
1¼"–7 (30mm)	1¼"	3"	⅝"	AC12	RW1256



THICK STAMPED WASHERS

Machined No-Turn Washers



MACHINED NO-TURN WASHERS

Part Number	"A" Screw Dia.	Length	Thickness Above Clamp	Clamp Width
SW127	½"	2¼"	½"	1¾"
SW587	⅝"	2¼"	½"	1¾"
SW757	¾"	2½"	½"	2"
SW1007	1"	3"	⅝"	2½"

Replacement granulator knives manufactured to precise tolerance to replace original equipment. Super Alloy: Premium grade D2 tool steel formulation provides much longer life and is better suited to high-usage cycles and tough materials. Greatly increases the time between sharpening. Ideal for heavy usage central grinding.

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Allsteel							
6x6	6.000	1.375	0.687	F	Hook Fly 3 Holes	2–3	**A6HF3**
6x6	6.000	1.937	0.500	B	Bed 2 Tapped Dowels	2	**A6B3**
6x8	8.000	2.000	0.425	F	Fly 4 Holes	3	**A8F3**
6x8	8.000	1.500	0.430	B	Bed 4 Open Slots	1–2	**A8B3**
6x8	8.000	1.312	0.468	F	Hook Fly 4 Holes	3	**A8HF3**
6x8	8.000	1.815	0.500	B	Bed 2 Tapped Dowels	2	**A8BA3**
10x22 (can use with A13F)	8.490	2.840	0.625	F	Reverse Bevel 4 Holes	1	**A9FB3**
10x17, 10x22, 12x17, 14x22, 10x9, 14x17, C124 (can use with A13FC)	8.500	2.850	0.625	F	Keen Edge 4 Holes	2	**A9F3**
10x17, 10x22, 14x22, 10x9, 14x17, 12x17 (can use with A13C)	8.500	2.593	0.625	B	No Holes Double Cutting Edge With Groove	2	**A8BD3**
8x10, 9x11	10.000	2.875	0.625	F	Reverse Bevel 5 Holes	2	**A10F3**
8x10, 9x11	10.000	1.875	0.500	B	5 Slots	2	**A10B3**
8x10, 9x11	9.990	1.875	0.500	B	5 Open Slots	1	**A10BB3**
12x13, 1236, 1337 (can use with A24F)	11.500	3.312	0.562	F	Reverse Bevel 5 Holes Counterbored	1	**A12FC3**
1236, 1337 (can use with A24BB)	11.500	2.375	0.562	B	5 Slots	1	**A11BA3**
	12.000	4.187	0.580	F	4 Holes Counterbored	1	**A12FD3**
11x13, 10x12 (new style)	11.740	3.312	0.625	F	Reverse Bevel 5 Holes Counterbored	2	**A12F3**
10x12, 11x13 (new style)	11.750	2.375	0.625	B	5 Open Slots	2	**A11B3**
10x12	11.500	3.312	0.625	F		2	**A11F3**
10x12 (old)	11.535	2.375	0.591	B	5 Slots	2	**A12B3**
10x13	11.500	2.500	0.562	F	Radial Rotor 4 Holes	1	**A12FE3**
2449, 2436	12.000	3.445	0.875	B	4 Slots	1	**A11BB3**
16x39, 14x22, 14x26, 14x51, 10x13, 1225 (can use with A9FB)	12.750	2.843	0.625	F	Reverse Bevel 6 Holes	9	**A13F3**
16x39,14x26,14x22, 14x51	12.750	2.593	0.625	B	No Holes Double Cutting Edge	6	**A13B3**
14x26,14x22,14x26, 14x51, 10x13 (can use with A9F)	12.750	2.781	0.625	F	Keen Edge 6 Holes	1	**A13FC3**
14x26,14x22,10x13 (can use with A8BD)	12.750	2.562	0.625	B	No Holes Double Cutting Edge	6	**A13C3**
14x22	10.733	2.812	0.625	F	Reverse Bevel 2 Counterbored Holes	3	**A11FB3**

Granulator Knives

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Allsteel (cont.)							
12×14, 1337, 1236 (can use with A11BA)	23.875	2.375	0.562	B	9 Slots	2	**A24BB3**
16×39, 10×13	12.750	2.875	0.625	B	6 Slots	1	**A13BA3**
10×18, 11×19, 12×18	18.000	3.312	0.580	F	Reverse Bevel 7 Holes Counterbored	2	**A18F3**
10×18, 11×19, 12×18	18.000	2.375	0.625	B	7 Slots	2	**A18B3**
7×18, 9×36	18.000	1.875	0.500	F	Radial Rotor 6 Holes	5	**A19F3**
7×18	18.000	1.875	0.937	F	Hook Fly 6 Holes Recessed To ½	5	**A19HF3**
7×18, 9×36	18.000	2.812	0.750	B		2	**A36B3**
12×36	18.000	2.875	0.875	F	Radial Rotor 9 Slots	10	**A17F3**
12×36	18.000	2.875	1.250	F	Hook Fly 9 Holes	10	**A18HF3**
12×36	18.000	3.875	1.125	B	6 Slots	4	**A18BA3**
9×36	17.990	2.875	0.500	F	Radial Rotor 6 Holes	5	**A36F3**
	18.000	3.500	0.875	B	6 Slots	1	**A18BB3**
9×36	18.000	2.361	1.125	F	Hook Fly 6 Holes	1	**A36HF3**
24×36	18.000	3.312	0.875	B	6 Slots	1	**A17BA3**
24×36	18.000	3.875	0.687	F	Keen Edge 6 Holes Countersunk	1	**A17FA3**
24×36	17.970	3.875	0.687	F	Keen Edge 6 Holes Counterbored	1	**A18FA3**
8×20	20.000	2.375	1.125	F	Hook Fly 7 Holes (recessed to ⅝")	5	**A20F3**
8×20	20.000	3.375	0.875	B	7 Slots	2	**A20B3**
15×21	20.562	3.215	0.562	F	7 Holes	3	**A20FA3**
15×21	21.208	2.750	0.531	B	7 Slots	2	**A21B3**
1224, HOG	24.000	2.875	1.375	F	Hook Fly 9 Holes	1	**A24HFA3**
12×24, 1236, 1337, 12×48, 13×49 (can use with A12FC)	23.812	3.312	0.562	F	Reverse Bevel Counter-bored same as A23F except angle location	1	**A24F3**
12×24	23.985	2.750	1.250	F	Hook Fly 9 Holes	5	**A24HFB3**
12×24	24.000	3.875	1.125	B	Open Slots	2	**A24BA3**
12×24	23.990	2.875	1.370	F	Hog Hook Fly 9 Holes	1	**A24HFC3**
9×24	24.000	2.375	0.625	F	Radial Rotor 9 Holes	5	**A25F3**
9×24, 13×25	24.000	2.375	1.125	F	Hook Fly 9 Holes (Recessed to ⅝")	5	**A25HF3**
9×24, 13×25	24.000	3.375	0.875	B	9 Slots	2	**A23B3**
13×25	24.500	2.735	0.625	F	High Shear 12 Holes	1	**A24FB3**
13×49, 13×25, 12×48	23.812	3.312	0.562	F	9 Holes same as A24F except angle location	8	**A23F3**
13×49, 12×48	23.875	2.375	0.562	B	9 Slots	4	**A23BC3**
	23.960	3.875	1.125	B	9 Slots	1	**A23BD3**
1422	10.750	2.500	1.125	B	3 Slots Single Bevel	2	**A11BC3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Allsteel (cont.)							
1422	10.733	2.865	0.625	F	2 Counterbored Holes Keen Edge	1	**A11FC3**
30x49	23.990	2.875	0.875	F	Radial Rotor 9 Holes	5	**A24FA3**
30x49	11.990	3.440	0.875	B	4 Slots	8	**A12BE3**
	23.875	2.750	0.562	B	9 Slots	1	**A24BC3**
30x49	23.990	2.875	0.875	F	9 Holes Keen Edge	1	**A24FC3**
14x26	12.250	2.850	0.625	F	Right Hand 6 Holes Keen Edge	1	**A13FR3**
14x26	12.250	2.850	0.625	F	Left Hand 6 Holes Keen Edge	1	**A13FL3**
6P6	6.000	1.750	0.313	B	5 Open Slots Single Bevel	1	**A6BA3**
Amacoil							
8x8, GUO808, GU88	7.625	2.375	0.375	F	Keen Edge 5 Holes	2–3	**AM7F3**
8x8, GUO808, GU88, POLYMER A88	7.875	1.750	0.375	B	3 Slots	2	**AM8B3**
AG-88, GU808, GUO808	7.785	2.375	0.375	F	High Shear 5 Holes	3	**AM8F3**
AG-1010	9.625	2.625	0.500	F	Reverse Bevel 6 slots	1	**AM10FA3**
	9.973	2.750	0.500	F	6 Holes High Shear	1	**AM10FB3**
AG-1010	9.610	2.750	0.500	F	Reverse Bevel 6 Holes	2	**AM9F3**
AG-1010	9.610	2.750	0.500	F	6 Holes Keen edge	1	**AM10F3**
HMG1010, 1010-A	9.625	3.500	0.500	F	Keen Edge 2 Slots	3	**AM9FA3**
AG/HMG1010, 1010-A	9.875	2.000	0.500	B	4 Slots	2	**AM10B3**
	9.984	2.750	0.500	F	High Shear 6 Slots	1	**AM9FC3**
GU1421	11.750	3.880	0.625	F	High Shear 4 Holes	8	**AM12FB3**
GU1421	20.500	3.875	0.625	F	High Shear 5 Holes	5	**AM20F3**
GU421	10.437	2.505	0.625	B	4 Slots	4	**AM10BA3**
GU1427, 1627	13.312	3.875	0.625	F	High Shear 3 Holes	10	**AM13F3**
GU1427, 1627	14.625	3.875	0.625	F	High Shear 5 Holes	8	**AM14F3**
GU1427, 1627	13.437	2.500	0.625	B	5 Slots	2–4	**AM14B3**
GU1415	14.865	2.505	0.625	B	5 Slots	2	**AM15B3**
GU1415	14.062	4.500	0.593	F	High Shear 4 Holes	1	**AM14FB3**
GK1000	20.625	3.750	0.937	F	Keen Edge 4 Slots	10	**AM21F3**
	20.615	3.750	0.937	F	4 Slots 5 Tapped Holes Keen Edge	1	**AM21FA3**
	14.625	3.875	0.625	F	5 Open Slots	1	**AM15F3**
HMG2652	25.250	5.077	1.000	F		10	**AM25F3**
HMG2652, 2652	25.938	2.995	1.000	B	9 Slots Single Bevel 2 Tapped Dowels	4	**AM26B3**

Granulator Knives

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Ball & Jewel							
	11.500	5.375	0.875	F	Keen Edge 2 Holes Counterbored	1	**B11F3**
M68, M88, M75, HAF685SC, DK88, M100, 4219M	7.990	2.750	0.500	F	Keen Edge 2 Holes Countersunk	3	**B8FCS3**
M68, M88, M75, HAF685SC, DK88, M100, 4219M	8.000	2.750	0.500	F	Keen Edge 2 Holes Counterbored	3	**B8FCB3**
HAF685C, M68, M75, M88, DK88, M100, 4219M	8.000	2.000	0.500	B	3 Slots	2	**B8B3**
301-3 STD. IDEAL	9.125	2.125	0.500	F	2 Holes Counterbored	3	**B9F3**
301-3 STD. IDEAL	9.562	1.625	0.375	B	4 slots	4	**B9B3**
MD810, M810, M110	10.000	2.750	0.500	F	Keen Edge 2 Holes Counterbored	3	**B10F3**
MD810	10.000	2.000	0.500	B	3 Slots	2	**B10B3**
	9.990	2.750	0.500	F	Reverse Bevel	3	**B10FCS3**
MB150	11.990	3.480	0.750	F	4 Holes Counterbored	1	**B12FF3**
MB150	12.000	2.750	0.750	B	4 Slots Counterbored	1	**B12BB3**
MD812, IAF812P, HAF812SC, HAF812P, DK812, M200	12.000	2.750	0.625	F	Keen Edge 2 Holes Countersunk	3	**B12FCS3**
MD812, IAF812P, HAF812SC, HAF812P, M200, DK812	12.000	2.750	0.625	F	Keen Edge 2 Holes Counterbored	3	**B12FCB3**
MD812, M200, IAF812D, M812, HAF812SC, LB1212, DK812, DK1212	12.000	2.000	0.625	B	4 Slots	2	**B12B3**
MD1212, BP1212S, MA1212X, 1212SX	12.000	2.875	0.750	F	Keen Edge 2 Holes Counterbored	3	**B12FA3**
MD1212, BP1212S, 1212SX, MB1212X	12.000	2.062	0.750	B	4 Slots	2	**B12BA3**
12", HAF812SCSX, CG812SCX	11.956	2.125	0.500	F	Keen Edge 3 Holes Counterbored Slanted Right	3	**B12FD3**
12", HAF812SCSX, CG812SCX	11.875	2.250	0.500	B	3 Slots Double Edge	2	**B12BC3**
	12.031	2.500	0.625	F	Keen Edge 2 Holes Counterbored	1	**B12FE3**
1014	14.000	2.875	0.750	F	Keen Edge 3 Holes Counterbored	3	**B14F3**
1014	14.000	2.875	0.750	B	4 Slots 2 Tapped Dowels	2	**B14B3**
MD1216, CG1216SCSX, HAF1216C	16.000	2.880	0.750	F	Keen Edge 3 Holes Counterbored	3	**B16FCB3**
M300, DK1216, M816, LB1216	16.000	2.875	0.750	F	Keen Edge 3 Holes Countersunk	3	**B16FCS3**
M816, M300, LB1216, CG1216SCX, HAF1216C, MD1216	16.000	2.062	0.750	B	5 Slots 2 Tapped Dowels	2	**B16B3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Ball & Jewel (cont.)							
1216, SPL	16.062	2.750	0.625	B	No Holes 2 Tapped Dowels	2	**B16BB3**
MB520	17.125	3.312	0.750	B	8 Tapped Holes Holder	1	**B17BB3**
MB250	17.000	3.687	0.750	F		2	**B17F3**
MB250	17.000	2.750	0.750	B	4 Holes 2 Tapped Dowels	2	**B17B3**
451	19.990	3.125	0.500	F	Reverse Bevel 3 Holes	1	**B20FB3**
CG1620SX, CG1620SCSX	20.000	2.750	0.750	B	6 Slots 2 Tapped Dowels Double Cutting Edge	2	**B20BH3**
CG1620SX, CG1620SCSX	19.890	2.875	0.750	F	Keen Edge 4 Holes Counter-bored Slanted Left	1	**B20FL3**
CG1620SX, CG1620SCSX	19.890	2.875	0.750	F	Same as B20FL But Slanted Right	1	**B20FR3**
CG1620SX, CG1620SCSX, (Can Use B20BH)	19.935	2.750	0.750	B	6 Slots 4 Tapped Dowels Double Cutting Edge	2	**B19B3**
MD1640	20.000	4.000	0.875	B	2 Tapped Dowels	4	**B20BJ3**
M400, M820, MD1620, MD1640	20.000	2.625	0.750	F	Keen Edge 3 Holes Countersunk	3	**B20FE3**
M400, M820, MD1620	20.062	1.875	0.750	B	6 Slots	2	**B20BD3**
	21.000	3.625	0.875	B	8 Slots 2 Tapped Dowels	1	**B21BC3**
NO. ½	20.062	3.250	0.500	F	Keen Edge 3 Holes	4	**B21F3**
NO. ½	20.375	2.375	0.437	B	2 Tapped Dowels	6	**B21BD3**
	19.990	3.500	0.875	B	Keen Edge 6 Slots	1	**B19BA3**
MD1220, MD1620	20.000	2.875	0.750	F	Keen Edge 3 Holes Counterbored	3	**B20F3**
MD1620, MD1220	20.052	2.125	0.750	B	6 Slots 2 Tapped Dowels	2	**B20BA3**
20", 1040, GK10022	20.062	2.875	0.750	F	Keen Edge 4 Holes Counterbored	3	**B20FA3**
	21.000	4.250	0.875	B	8 Slots 2 Tapped Dowels	4	**B21BE3**
NO.1	23.500	3.375	0.560	F	Reversed Bevel 3 Holes Counterbored	1	**B23F3**
NO.1	23.875	2.507	0.531	B	2 Tapped Dowels	6	**B23B3**
AS-24 STEEL	23.990	3.500	0.750	F	Keen Edge 9 Holes	5	**B24F3**
STEELMSTR 24	24.000	4.000	0.875	B	9 Slots 2 Tapped Dowels	2	**B24B3**
M500	23.990	2.875	0.750	F	Keen Edge 3 Holes Countersunk	3	**B24FD3**
	24.052	2.875	0.750	F	Keen Edge 3 Holes Countersunk	1	**B24FF3**
M500	24.062	2.000	0.750	B	6 Slots 3 Tapped Dowels	2	**B24BB3**
M500, LT-1248-X	23.990	2.875	0.750	F	3 Holes Counterbored	1	**B24FG3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Ball & Jewel (cont.)							
NO.1.500, 5/SET	25.250	3.750	0.562	F	Reverse Bevel 3 Holes Counterbored	5	**B25F3**
NO.1.500	25.375	3.250	0.500	B	No Holes 2 Tapped Dowels	6	**B25BA3**
HD1652, HD1626	25.875	2.875	0.750	F	Keen Edge 7 Holes Counterbored	1	**B26FE3**
HD1626	25.875	3.500	0.750	F	10 Holes	3–10	**B26FC3**
HD1626	26.000	4.000	0.875	B	10 Slots 2 Tapped Dowels	4	**B26BD3**
MD1626, 2026, MD1260, 5KN ROTOR	25.870	2.875	0.718	F	4 Holes (Alternate B26FF)	3	**B26FA3**
MD1626, 2026, MD1260, CG2026SX	26.000	4.000	0.843	B	7 Slots 2 Tapped Dowels	2	**B26B3**
HD1626	25.875	3.500	0.750	F	10 Holes	1	**B26FB3**
HD1626	26.000	4.000	0.875	B	10 Slots 2 Tapped Dowels	1	**B26BE3**
CG2026SX, HD1626	25.865	2.875	0.750	F	4 Holes Counterbored (see B26FB)	1	**B26FF3**
	25.865	2.875	0.750	F	4 Holes Countersunk Keen Edge	1	**B26FG3**
2–28	26.740	5.250	0.875	F	3 Holes Counterbored Reverse Bevel	1	**B26FD3**
2–28	26.750	5.250	0.875	F	3 Holes Keen Edge	5	**B26F3**
2–28	26.875	4.750	0.875	B	2 Tapped Dowels	6	**B26BA3**
1632	31.875	2.875	0.750	F	Keen Edge 5 Holes Counterbored	3	**B32F3**
1632	32.000	4.000	0.875	B	5 Slots 2 Tapped Dowels	1	**B32B3**
HDB 303SX	30.000	4.000	0.875	B	8 Slots	2	**B30B3**
MD1640	19.990	2.625	0.750	F	Keen Edge 3 Holes Counterbored	3	**B20FF3**
MD1640	24.000	2.750	0.750	B	6 Slots Single Bevel	1	**B24BC3**
	23.563	3.625	0.750	F	6 Counterbored Holes Keen Edge	1	**B24FH3**
Conair							
MGK400	6.650	2.580	0.470	F	Keen Edge 2 Slots	1	**CR7F3**
MC-32	8.000	4.313	1.094	F	Reverse Bevel 2 Holes Counterbored	12	**CR8F3**
MGK400.175	8.885	2.500	0.470	F	2 Slots High Shear	1	**CR9F3**
MGK400.175	8.875	2.400	0.500	B	2 Slots	1	**CR9BA3**
9×10, H6910, W450, (9723–15901)	9.000	2.500	0.875	F	Keen Edge 2 Holes Counterbored	1	**CR9FA3**
9×10, H6910, W450	9.250	2.000	0.437	B	3 Slots	1	**CR9B3**
8×10	9.500	2.000	0.500	F	Keen Edge 3 Holes Counterbored	1	**CR10F3**
8×10	9.937	2.000	0.500	B	3 Slots	1	**CR10B3**
12×14, 12×24, 712978	12.000	2.875	1.000	F	Keen Edge 2 Holes Counterbored	3	**CR12F3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Conair (cont.)							
12×14, 12×24, 712978	12.250	1.937	0.500	B	5 Holes	2	**CR12BB3**
12×14	12.250	1.937	0.500	B	5 Slots	1	**CR12BE3**
1412	12.250	2.938	0.500	B	5 Slots	1	**CR12B3**
14×20	20.000	2.875	1.000	F	Keen Edge 3 Holes Counterbored	3	**CR20F3**
14×20	20.187	1.938	0.500	B	8 Slots	2	**CR20B3**
16×24	12.052	1.937	0.500	B	2 Tapped Dowels	1	**CR12BC3**
16×24	24.021	3.500	1.125	F	4 Holes Counterbored	1	**CR24F3**
	24.021	3.500	1.125	F	Keen Edge 4 Holes Counterbored	1	**CR24FB3**
G1630	29.500	3.445	1.102	F	4 Holes Counterbored	1	**CR29F3**
G1630	30.187	3.000	0.500	B	12 Slots	1	**CR30B3**
G1630	30.187	3.000	0.500	B	12 Slots Single Bevel	1	**CR30BA3**
Cumberland							
Chopper	4.156	1.250	0.375	B	2 Holes Tapped	1	**CE4BA3**
#0	4.500	1.500	0.375	F	Radial Rotor 3 Holes	3	**CE4F3**
#0	4.500	2.125	0.500	B	3 Slots	2	**CE4B3**
24M	7.250	2.320	0.500	B	4 Slots	1	**CE7BA3**
24M	7.000	2.750	0.500	F	3 Holes Counterbored	1	**CR7FA3**
1524	24.365	3.312	0.625	B	7 Slots 2 Tapped Dowels	1	**CB24BC3**
#.500	7.500	1.500	0.375	F	Radial Rotor 4 Holes	2–3	**CE7F3**
#.500	7.500	2.750	0.625	B	4 Slots	2	**CE7B3**
184 SPL, 1010 Auger	9.938	2.750	0.500	F	Keen Edge 3 Holes Counterbored 2 Degree Angle Right Side	1	**C10FA3**
184 SPL, 1010 Auger	10.250	2.375	0.500	B	3 Slots 2 Open Slots	1	**C10BA3**
184 SPL, 1010 Auger	9.895	2.750	0.500	F	Reverse Bevel	1	**C10FB3**
184 SPL, 1010 Auger	9.895	2.750	0.500	F	(C10FA with both ends angled)	1	**C10FC3**
10	9.750	2.750	0.625	B	4 Slots	2	**C10B3**
10	9.937	2.000	0.375	F	Keen Edge 4 Holes	1	**C10F3**
185, 710, 810, 1, 190, 184	10.000	2.839	0.500	F	Keen Edge 3 Holes Counterbored	2	**CA10FB3**
810, 184, 710	9.990	2.739	0.500	F	Keen Edge 3 Holes Counterbored	1	**C10FD3**
185, 710, 810, 1, 190, 184	10.250	2.062	0.500	B	3 Slots 2 Open Holes	2	**CA10B3**
185, 710, 810, 1, 190, 184	10.000	2.750	0.500	F	Reverse Bevel 3 Counterbored Holes	2	**CA10FA3**
185, 710, 810, 1, 190, 184	10.250	2.250	0.500	B	3 Slots 2 Open Holes	2	**C11B3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
185, 710, 810, 1, 190, 184	9.740	2.839	0.500	F	Keen Edge 3 Holes Counterbored	1	**CA10FC3**
185, 710, 810, 1, 190, 184	10.250	2.063	0.500	B	3 Slots 2 Open Holes	1	**CA10BA3**
#1.500, Chevron	10.500	2.125	0.500	F	Radial Rotor 5 Holes	5	**CE10F3**
#1.500, Chevron	10.500	2.531	0.625	B	5 Slots	2	**CE10B3**
812	11.875	2.375	0.437	F	Reverse Bevel 3 Holes 3 Degree Angle Right Side	1	**C12FF3**
812	11.875	2.375	0.438	F	Keen Edge 3 Holes	1	**C12FG3**
812	12.062	1.938	0.500	B	3 Slots Double Cutting Edge	1	**CA12C3**
284, 285	12.000	2.750	0.500	F	Keen Edge 4 Holes Counterbored (same as C11FA except for angle)	1	**C11F3**
284, 285	12.000	2.839	0.500	F	Keen Edge 4 Holes Counterbored (same as C11F Except 4 Degree Angle Right Shear)	1	**C11FA3**
284, 285	12.000	2.839	0.500	F	Keen Edge 4 Holes Counterbored (same as CA12FC Except Hole Size .625)	3	**C12F3**
284	12.000	2.839	0.500	F	Reverse Bevel 4 Holes Counterbored 4 Degree Right Side	1	**C12FH3**
284	12.240	2.750	0.500	B	4 Slots 2 Open Slots No Bevel	1	**C12BA3**
284	11.943	2.750	0.500	F	4 Counterbored Holes Reverse Bevel	1	**C11FB3**
284, 285, 2UC	11.943	2.750	0.500	F	Reverse Bevel 4 Holes Counterbored (same as CA12FC Except 4° Angle Right Side)	3	**C12FK3**
284, 285,1012, use for 2KN Rotor (See C12B for 3KN Rotor)	12.240	2.750	0.500	B	4 Slots 2 Open Holes Notches Centered	2	**C12BF3**
284, 285,1212, Gran 2KN use with 3KN Rotor	12.240	2.570	0.500	B	4 Slots 2 Open Holes	1	**C12B3**
284, 285, 1212	11.935	2.741	0.375	F	Reverse Bevel 4 holes 4 degrees right side	1	**C12FM3**
	11.937	2.750	0.375	F	Reverse Bevel 4 Holes 4 Degree Right Side	1	**C12FJ3**
812, 1012, 2, 290, 780	12.000	2.750	0.500	F	Reverse Bevel 5 Holes Counterbored	2	**CA12FA3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
812, 1012, 2, 290, 780, 285	12.000	2.843	0.500	F	Keen Edge 5 Holes Counterbored	2	**CA12FB3**
812, 1012, 2, 290, 780	12.000	2.750	0.500	F	Reverse Bevel 4 Holes Counterbored (same as C12FI Except No Angle)	3	**CA12FC3**
1212, PI	12.188	2.750	0.511	F	Double Cutting Edge 4 Slots	1	**C13FA3**
812, 1012, 2, 290, 780, 6B	11.965	2.000	0.500	B	4 Slots	1	**CA12BA3**
812, 1012, 2, 290, 780	12.000	2.828	0.500	F	Keen Edge 4 Holes Counterbored (same as C12F except hole size .593	3	**CA12FD3**
	12.240	2.125	0.500	B	4 Slots 2 Open Slots notches not centered	1	**CA12BB3**
812, 1012, 2, 290, 780	12.000	2.062	0.500	F	Radial Rotor 5 Holes	3	**C12FB3**
812, 1012, 2, 285, 290, 780, (3KN), 2UC	12.250	2.125	0.500	B	4 Slots	2	**CA12B3**
78, 780	12.450	2.375	0.500	B	5 Slots	1	**C12BC3**
384, 1215	15.250	2.750	0.437	F	Keen Edge 4 Holes	1	**C16FD3**
384, 1215	15.500	2.562	0.500	B	5 Slots 2 Notches	1	**C16BD3**
484, SPL	7.968	3.281	0.500	F	Right Hand Keen Edge 2 Holes Counterbored (Hole to Back 1.406)	1	**C7FR3**
484, SPL	7.969	3.281	0.500	F	Left Hand Keen Edge 2 Holes Counterbored (Hole to Back 1.406)	1	**C7FL3**
484, SPL	7.969	3.281	0.500	F	Left Hand Keen Edge 2 Holes Counterbored (Hole to Back 1.308)	1	**C7FLA3**
484 SPL, Chevron	8.093	2.750	0.500	B	2 Slots	1	**C8BA3**
484	15.927	3.218	0.500	F	Reverse Bevel 4 Holes Counterbored Slant Right .562 H	1	**C16FE3**
484, See C15F Fly	16.250	2.750	0.500	B	5 Slots No Bevel	2	**CA16BA3**
484	15.927	3.375	0.500	F	Keen Edge 4 Holes Counterbored Slant Right .656 H	1	**C15F3**
484–3KN	15.937	3.268	0.500	F	Knive Reverse Bevel 4 Holes Counterbored	1	**C16FF3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
484 Twinshear	7.947	3.250	0.500	F	Rt. Hand Reverse Bevel 2 Holes Counterbored (Angle Right)	1	**C8FR3**
484 Twinshear	7.947	3.250	0.500	F	Left Hand Reverse Bevel 2 Holes Counterbored (Angle Left)	1	**C8FL3**
816, 1016, 3	16.000	2.750	0.500	F	Reverse Bevel 6 Holes Counterbored C-C 2.750, C-B 1.125	2	**C16FA3**
816, 1016, 3	16.000	2.839	0.500	F	Keen Edge 6 Holes Counterbored C-C 2.687 C-B 1.312	2	**C16F3**
816, 1016, 3	16.250	2.125	0.500	B	5 Slots	2	**C16B3**
1216	16.052	3.171	0.500	F	Keen Edge 4 Holes Counterbored	3	**C16FB3**
1216, see CA16B	16.177	2.500	0.500	B	5 Slots 2 Open Holes	2	**C16BA3**
1216	16.250	2.500	0.500	B	5 Slots 2 Open Holes	2	**C16BB3**
1416, 4, 490, 485	16.000	3.250	0.500	F	Reverse Bevel 4 Holes Counterbored	3	**CA16FC3**
1416, 4, 490, 485, 1216	16.000	3.312	0.500	F	Keen Edge 6 Holes Counterbored C-C 2.687, C-B 1.312	2	**CA16FB3**
1416, 4, 490, 485	16.000	3.250	0.500	F	Reverse Bevel 6 Holes Counterbored C-C 2.687, C-B 1.312	2	**CA16FA3**
1416, 4, 490, 485	16.000	3.312	0.500	F	Keen Edge 4 Holes Counterbored	3	**CA16FD3**
4, 6	2.000	3.313	0.500	F	2 Holes Counterbored	32	**C2F3**
1416, 4, 490, 485, 1216	16.250	2.812	0.500	B	5 Slots 2 Open Holes Longer Slots (2.750 C-C) use C16BA	2	**CA16B3**
	16.250	2.812	0.500	B	5 Slots 2 Open Holes	2	**CA16BB3**
18	17.750	1.875	0.500	F	Radial Rotor 6 Holes	5	**CC17F3**
18	18.000	2.875	0.625	B	6 Slots 2 Tapped Dowels	2	**CC17B3**
584, Chevron, Twinshear	9.897	3.312	0.500	F	Keen Edge Right Hand 3 Holes Counterbored	3	**C10FR3**
584, Chevron, Twinshear	9.897	3.312	0.500	F	Keen Edge Left Hand 3 Holes Counterbored	3	**C10FL3**
584, Chevron	10.062	2.750	0.500	B	3 Slots	3	**CA10BB3**
584, 585	20.000	3.125	0.500	F	Reverse Bevel 7 Holes Counterbored	1	**CA20FD3**
584, 585 (R/B is CA20FH)	19.990	3.220	0.500	F	Keen Edge 5 Holes Counterbored (Angle Right)	3	**CA20FE3**
584, 585	20.250	2.750	0.500	B	With 7 Slots 3 Notches	1	**CA20BB3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
584	20.250	2.750	0.500	B	7 Slots No Bevel	1	**CA20BA3**
584	20.000	3.220	0.375	F	5 Holes Reverse Bevel Short on Right Side	1	**CA20FF3**
584, 585	20.240	2.750	0.500	B	7 Slots No Bevel	2–3	**CA20BE3**
584, 585	20.000	3.187	0.500	F	Keen Edge 7 Holes Counterbored	1	**CA20FG3**
584, 585	20.240	2.750	0.500	B	Keen Edge 7 Slots	1	**CA20BC3**
584, 585	20.000	3.220	0.500	F	Reverse Bevel 5 Holes Counterbored Angle Rt. (same as CA20FE Keen Edge)	1	**CA20FH3**
X1000	20.000	4.291	0.750	F	Left Hand Reverse Bevel 4 Holes	3	**CA20AL3**
X1000	20.000	4.291	0.750	F	Rt. Hand Reverse Bevel 4 Holes	3	**CA20AR3**
1220, 1420, 5, 14x12	20.000	2.967	0.620	F	Reverse Bevel 7 Holes Counterbored	1	**CA20FK3**
1220, 1420, 5, 14x12	20.000	3.050	0.870	B	7 Slots 2 Tapped Holes	1	**CA20BD3**
1220, 1420, 5, 14x12	20.000	3.000	0.500	F	Reverse Bevel 7 Holes Counterbored	2	**CA20FA3**
1220, 1420, 5, 14x12, 585	19.990	3.220	0.500	F	Reverse Bevel 5 Holes Counterbored	2	**CA20FB3**
1220, 1420, 5, 14x12	20.250	2.812	0.500	B	7 Slots 3 Open Holes	2	**CA20B3**
1420, 585, 5, 1220, 14x12	20.000	3.250	0.500	F	Keen Edge 5 Holes Counterbored	1	**CA20FC3**
1220, 1420, 5, 14x12	20.000	3.312	0.500	F	Keen Edge 5 Holes Counterbored	6–10 –14	**CA20FJ3**
20	20.000	2.312	0.625	F	Keen Edge	1	**C20A3**
20	20.000	2.320	0.625	F	Radial Rotor 7 Holes	3–5–7	**CC20F3**
20	19.970	3.375	0.875	B	7 Slots 2 Tapped Holes (15 Bevel)	1	**CC20B3**
	19.970	3.375	0.875	B	7 Slots 2 Tapped Holes (8 Bevel)	1	**CC20BA3**
20, 1837	20.000	2.031	1.250	F	Hook Fly 7 Holes	1	**C20FE3**
20, (Old)	20.000	3.250	0.625	F	7 Holes	1	**CC20FA3**
18, 37, 20	28.750	3.312	0.656	F	Reverse Bevel 4 Holes	1	**C29F3**
1524–24	24.000	2.812	0.625	F	Radial Rotor 8 Holes (15 Degree)	3–5	**CB24FA3**
1524–24	24.375	3.312	0.625	B	7 Slots 2 Tapped Dowels ¾" Slot	2	**CB24BC3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
	24.000	3.344	0.625	F	Radial Rotor 5 Holes Counterbored	1	**CB24FC3**
1524–24 #80, 24B-MED	24.000	3.250	0.625	F	Reverse Bevel 5 Holes Counterbored	3–5	**C23FE3**
1524–24, #80	24.000	3.343	0.625	F	Keen Edge 5 Holes Counterbored	3–5	**CB24F3**
1524	23.990	2.812	0.625	F	Radial Rotor 8 Holes (8 Degree)	3–5	**CB24FD3**
1524	24.365	3.312	0.625	B	7 Slots 2 Tapped Dowels ¾ Slot 8 Degree	1	**CB24B3**
1524	24.365	3.312	0.625	B	7 Slots 2 Tapped Dowels ⅞" Slot	2	**CB24BA3**
#80, #80–85	25.000	2.875	0.500	B	7 Slots	1	**C24B3**
1524, #80, #80–85	24.000	3.250	0.625	F	Reverse Bevel 5 Holes	1	**CB24FB3**
24B	24.000	3.625	0.875	F	Reverse Bevel 5 Holes Counterbored	1	**C24FC3**
24B	24.375	3.000	0.625	B	7 Slots 2 Tapped Dowels	1	**C25B3**
24 HS Rotor	24.000	3.625	0.875	F	Reverse Bevel 5 Holes Counterbored	1	**C24FF3**
2415, HOG	24.365	3.812	0.625	B	7 Slots 2 Tapped Dowels	1	**C24BA3**
2415, HOG	12.000	2.785	0.500	F	4 Holes Counterbored Reverse Bevel	1	**C12FC3**
24RR, 1524	24.000	2.750	1.125	F	Hook Fly 8 Holes Radial Rotor	1	**C24FE3**
1426-I	13.160	3.437	0.625	F	Reverse Bevel Left Hand 3 Holes Counterbored	3	**C13FL3**
1426-I,1–5 CUT/BLWR	13.170	3.437	0.625	F	Reverse Bevel Rt. Hand 3 Holes Counterbored	3	**C13FR3**
1426-I	13.170	3.437	0.625	F	Keen Edge Left Hand 3 Holes Counterbored	1	**C13FLA3**
1426-I	13.170	3.437	0.625	F	(Same as C13FLA) Keen Edge Right Hand 3 Holes Counterbored	1	**C13FRA3**
1426-I	13.177	2.531	0.500	B	3 Slots	4	**CA13BA3**
1426-I	13.063	2.750	0.510	B	3 Slots No Bevel	1	**CA13BB3**
684, 1426	13.093	3.250	0.500	F	Rt. Hand Reverse Bevel 3 Holes Counterbored	2	**C13FAR3**
684, 1426	13.093	3.250	0.500	F	Left Hand Reverse Bevel 3 Holes Counterbored	2	**C13FAL3**
684, 1426, 284	13.187	3.250	0.500	F	Right Hand Keen Edge 3 Holes Counterbored	3	**CA13FR3**
684, 1426, 284	13.175	3.250	0.500	F	Left Hand Keen Edge 3 Holes Counterbored	3	**CA13FL3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
684 Special	13.175	3.250	0.500	F	Keen Edge 35 Counterbored Left Hand Slots	1	**CA13LA3**
684 Special	13.175	3.250	0.500	F	Keen Edge 35 Counterbored Right Hand Slots	1	**CA13RA3**
684, 1426	13.175	2.781	0.500	B	3 Slots No Bevel	4	**CA13B3**
1426, HOG, 3250	25.125	3.812	0.875	B	6 Slots 2 Tapped Dowels 2 Holes	1	**C26B3**
3250	11.250	4.312	1.250	F	Keen Edge 4 Holes Counterbored	25	**C12BB3**
2815H, 28H	5.365	4.023	1.187	F	Reverse Bevel 2 Holes Counterbored	1	**C6F3**
1836, 1836 I	11.990	3.793	0.500	F	Reverse Bevel 3 Holes	9	**C12FL3**
1836, 1836 I	12.130	3.870	0.500	B	Double 4 Slots Cutting Edge	6	**C12BD3**
1836	31.500	4.000	1.125	F	Low Shear 10 Holes	9	**C32F3**
1836	32.000	4.500	1.125	B	10 Open Slots	6	**C32B3**
1828–28	13.990	2.703	1.100	F	Hook Fly 5 Holes	1	**C14F3**
1828–28	13.937	3.312	0.500	F	Radial Rotor 5 Slots	6	**CB28FA3**
	27.990	4.291	0.750	F	Reverse Bevel 5 Holes Counterbored	3–5	**C28FB3**
1828–28	28.000	4.339	0.750	F	Keen Edge 5 Holes (Most Popular)	3–5	**CB28F3**
1828–28	18.500	4.219	0.750	F	Reverse Bevel 6 Holes	1	**C19FA3**
1828–28, 28B	28.312	3.812	0.875	B	8 Slots 3 Tapped Dowels (Most Popular)	2	**CB28B3**
	18.522	4.125	1.125	F	Reverse Bevel 4 Holes Counterbored	1	**C19FB3**
1828–28, 28B	28.000	4.338	1.125	F	Reverse Bevel 5 Holes Counterbored	1	**C28FC3**
1828–28	13.990	3.312	1.100	F	Hook Fly 5 Holes	1	**C14HF3**
24H	20.875	3.312	1.187	F	5 Holes Counterbored Reverse Bevel	1	**C20FG3**
24H	20.875	3.312	1.187	F	Reverse Bevel 5 Holes Counterbored Notched	1	**C20FJ3**
24T	6.250	2.875	0.500	F	Keen Edge 2 Holes Right Hand	1	**C6FR3**
24T	6.250	2.875	0.500	F	Keen Edge 2 Holes Left Hand	1	**C6FL3**
24T	25.000	2.834	0.500	F	Keen Edge 6 Holes	1	**C25F3**
24T	26.413	2.795	0.500	B	6 Slots 2 Tapped Dowels	1	**C27B3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
24×28	14.133	3.307	0.593	B	Right Hand 4 Slots 2 Tapped Holes	1	**C14BR3**
24×28	14.133	3.307	0.593	B	Left Hand 4 Slots 2 Tapped Holes	1	**C14BL3**
24×28 CHEVRON	14.082	4.238	0.750	F	Reverse Bevel 3 Holes LH Counterbored	1	**C14FAL3**
24×28	14.156	4.238	0.750	F	High Shear Left Hand 3 Holes Counterbored Slants Left	3	**C15FAL3**
24×28 (See C14FAR)	14.156	4.238	0.750	F	High Shear Right Hand 3 Holes Counterbored Slants Left	3	**C15FAR3**
24×28 CHEVRON	14.082	4.238	0.750	F	Reverse Bevel Rt. Hand 3 Holes Counterbored Slants Right	1	**C14FAR3**
24×28	14.000	4.238	0.750	F	Reverse Bevel 3 Holes Counterbored Rt. Hand	1	**C14FBR3**
24×28	14.000	4.238	0.750	F	Reverse Bevel 3 Holes Counterbored Left Hand	1	**C14FBL3**
#30	15.000	2.875	0.625	F	Radial Rotor 5 Holes	6–10	**CC15FB3**
#30	15.032	2.781	1.125	F	Hook Fly 5 Holes	1	**C16HF3**
#30	15.062	4.250	0.750	F	Keen Edge 5 Holes Counterbored	6–10	**CC15F3**
#30	15.062	2.875	0.750	F	Keen Edge 5 Holes Countersunk	4	**CC15FA3**
#30	15.187	3.812	0.875	B	5 Slots 2 Tapped Dowels	4	**CC15B3**
#30	15.187	3.812	0.875	B	5 Slots 2 Tapped Holes	1	**CC15BA3**
30	15.748	3.268	0.669	F	Keen Edge 4 Holes Counterbored	1	**CC15BB3**
30T	15.313	3.303	0.671	F	Keen Edge 4 Holes Counterbored	1	**CC15BC3**
	16.000	2.763	0.617	B	4 Slots	1	**CC15BD3**
30T	16.250	2.812	0.500	B	5 Slots	1	**CA17B3**
30T, 56T	28.500	3.312	0.688	F	Reverse Bevel Left Hand 6 Holes Counterbored	1	**C28FBL3**
30T, 56T	28.500	3.312	0.688	F	Reverse Bevel Rt. Hand 6 Holes Counterbored	1	**C28FBR3**
4284	15.927	3.218	0.375	F	4 Holes Slant on Rt. Side Reverse Bevel	1	**C16FG3**
30T, 56T	28.490	3.307	0.687	F	Keen Edge Right Hand 6 Holes Counterbored	1	**C28FAR3**
30T, 56T	28.500	3.307	0.687	F	Keen Edge Left Hand 6 Holes Counterbored	1	**C28FAL3**
30T, 56T	29.000	2.750	0.625	B	6 Slots 2 Tapped Dowels	1	**C29B3**

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Cumberland (cont.)							
56T	28.937	2.720	0.625	B	Right Hand 6 Slots 2 Tapped Dowels	1	**C29BR3**
56T	28.937	2.765	0.625	B	Left Hand 6 Slots 2 Tapped Dowels	1	**C29BL3**
56T	19.312	2.765	0.619	B	4 Slots 2 Tapped Holes No Bevel	1	**C20B3**
1837	18.500	3.312	0.500	F	(No Bevel) 6 Slots	6–10 –14	**C19FC3**
	18.500	3.750	0.750	F	Radial Rotor 6 Holes	1	**C19RR3**
1837	18.490	3.312	0.500	F	6 Slots 8 Bevel	6–10 –14	**C19FD3**
	18.552	4.312	1.125	F	Right Hand 4 Holes Counter-bored Reverse Bevel	1	**C18RB3**
1837–37, 8185, (3KN ROTOR), 37H, 37B	18.562	4.239	0.750	F	Right Hand Keen Edge 4 Holes Counterbored	5–6 –10	**C18FAR3**
1837–37, 8185, (3KN ROTOR), 37H, 37B	18.562	4.239	0.750	F	Left Hand Keen Edge 4 Holes Counterbored	5–6 –10	**C18FAL3**
1837–37, 37H, 8185	18.562	4.234	0.750	F	Reverse Bevel 4 Holes Counterbored Rt. Hand (Bigger CB)	1	**C18FBR3**
1837–37	17.625	4.239	0.750	F	Reverse Bevel 4 Holes Counterbored	1	**C18FA3**
1837–37, 37H, 8185	18.562	4.234	0.750	F	Reverse Bevel 4 Holes Counterbored Left Hand (Bigger CB)	1	**C18FBL3**
37	18.562	4.340	0.750	F	Low Shear 4 Holes Counterbored	1	**CB18FD3**
1837	18.500	2.547	1.016	F	Hook Fly 6 Holes	1	**CB18HF3**
1737–37, 37H,37B	18.750	3.812	0.875	B	5 Slots 2 Tapped Dowels (33 Degree Downstroke)	4–5 –6–10	**CB18BA3**
	12.140	2.240	0.500	B	4 Slots Open 50 Degree Bevel	1	**C12BE3**
1837–37	18.740	3.812	0.875	B	Reverse Bevel 5 Slots 2 Tapped Dowels Downstroke	1	**CB18B3**
37B, 37, HOG	18.552	4.312	1.125	F	Left Hand 4 Holes Counter-bored Reverse Bevel	6	**CB18FL3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
	18.562	4.320	1.125	F	Left Hand, 4 Counterbored Holes, Reverse Bevel	1	**CB19FL3**
	18.562	4.320	1.125	F	Right Hand, 4 Holes Counterbored Reverse Bevel	1	**CB19FR3**
37B	18.552	4.312	1.125	F	Reverse Bevel Rt. Hand 4 Holes Counterbored	1	**CB18FR3**
37, HOG	7.250	3.687	1.187	F	3 Holes Counterbored	1	**C7FA3**
37, HOG	18.740	4.253	0.875	B	5 Slots 2 Tapped Dowels (8 Degree Upstroke)	1	**C18BD3**
1462, 37H	7.250	3.700	1.186	F	Reverse Bevel 3 Holes Counterbored	1	**C7FB3**
1462, 37H	18.688	3.750	0.875	B	Reverse Bevel 5 Slots Tapped Dowels Downstroke	1	**CB18BF3**
1462, 37H	18.688	4.250	0.875	B	5 Slots Tapped Dowels Downstroke	1	**CB18BB3**
37F	33.865	3.615	1.375	F	Hook Fly 8 Holes Counterbored	8	**C34HF3**
37	18.562	4.340	0.750	F	4 Holes Counterbored Reverse Bevel	1	**CB18FC3**
3715	7.240	3.953	1.187	F	3 Holes Counterbored	1	**C7FC3**
	18.740	4.250	0.875	B	5 Slots 2 Tapped Dowels	1	**CB18BC3**
3715H	18.750	3.468	0.875	B	6 Slots 2 Tapped Dowels	1	**CB18BD3**
1462	30.630	4.250	1.093	F	Reverse Bevel Rt. Hand 6 Holes Counterbored	1	**CB31F3**
1462	15.968	4.250	0.787	B	5 Slots 2 Tapped Dowels	1	**C15B3**
43	21.500	3.000	0.813	F	Radial Rotor 6 Holes	6	**CC21FA3**
43	21.687	3.812	0.875	B	6 Slots 2 Tapped Holes	1	**CC21B3**
5018	8.110	3.687	1.187	F	3 Holes	36	**C8F3**
	25.000	3.165	0.500	F	No Bevel 8 Slots (RC 59–61)	1	**C25FA3**
50H	8.125	3.687	1.187	F	Reverse Bevel 3 Holes Counterbored	1	**C8FA3**
50F	25.187	3.812	1.375	B	6 Slots 2 Tapped Holes	1	**C25BC3**
50F	23.000	3.312	1.187	F	Left Hand Reverse Bevel 5 Holes Counterbored	1	**C23FAL3**
50F	23.000	3.312	1.187	F	Rt. Hand Reverse Bevel 5 Holes Counterbored	1	**C23FAR3**
12x24	23.000	2.812	0.625	F	Keen Edge 9 Holes	1	**C23FB3**
12x24	23.937	3.125	0.875	B	8 Slots 2 Tapped Dowels	1	**C23BB3**
50F	23.000	3.312	1.187	F	C23FAL notched	1	**C23FNL3**
50F	23.000	3.312	1.187	F	C23FAR notched	1	**C23FNR3**

GRANULATOR KNIVES

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Cumberland (cont.)							
2050–50	25.000	4.250	0.750	F	Reverse Bevel 5 Holes Counterbored	6–10 –14	**CB25F3**
2050–50, 50T	25.000	3.312	0.500	F	8 Slots Radial Rotor No Bevel	6–10 –14	**CB25FA3**
2050–50	25.000	4.312	0.750	F	Keen Edge 5 Holes Counterbored	6–10 –14	**CB25FD3**
2050–50, 50B, 50H, 50T	25.187	3.812	0.875	F	6 Slots (Upstroke) 2 Tapped Dowels (use with K26500) Keen Edge Style	4	**CB25B3**
	25.000	4.588	1.125	F	5 Holes Counterbored Reverse Bevel	1	**CB25RBA3**
2050	25.125	3.810	0.880	B	6 Slots 2 Tapped Dowels	4	**CB25BA3**
50	25.000	4.465	0.625	F	Keen Edge 5 Holes Counterboard Rt. Hand	1	**C25FAR3**
50	25.000	4.465	0.625	F	Keen Edge 5 Holes Counterboard	1	**C25FAL3**
2050B, 50B	25.000	4.375	1.125	F	Reverse Bevel 5 Holes Counterbored High Shear Rotor	1	**C24FD3**
2050–50, 50H	25.146	3.815	0.875	B	(Downstroke) 6 Slots 2 Tapped Dowels (use with CB25B) Reverse Bevel Stlye	1	**C24BB3**
50B	25.000	4.320	1.125	F	5 Counterbored Holes Reverse Bevel	1	**C24FG3**
	27.990	4.291	0.750	F	5 Counterbored Holes Keen Edge	1	**C28FD3**
1456	28.713	4.335	0.787	F	Keen Edge Right Hand 6 Holes Counterbored	3	**C28FR3**
1456	28.713	4.335	0.787	F	Keen Edge Left Hand 6 Holes Counterbored	3	**C28FL3**
1456	28.927	4.125	0.750	B	6 Slots 2 Tapped Dowels	4	**C29BA3**
66T	34.048	2.772	0.625	B	6 Slots 2 Tapped Dowels	1	**CA34B3**
66T	33.559	3.290	0.687	F	7 Holes Counterbored	1	**CA34F3**
	9.937	1.625	0.375	F	4 Holes Keen Edge	1	**CA10F3**

Granulator Knives

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Flinchbaugh							
57	6.500	2.375	0.437	F	3 Holes Keen Edge	2	**L7F3**
79	9.000	2.375	0.437	F	High Shear 5 Holes	2	**L9F3**
79	9.000	1.437	0.375	B	5 Open Slots	2	**L9B3**
911	11.000	2.875	0.562	F	High Shear 6 Holes	1	**L11F3**
911	11.000	2.875	0.562	F	Reverse Bevel 6 Holes	2	**L11FA3**
911	11.000	1.875	0.500	B	5 Open Slots	2	**L11B3**
1425 HOG	12.000	3.875	0.937	F	Keen Edge 4 Holes	6	**L24F3**
1425 HOG	12.490	3.875	0.937	B	4 Open Slots	4	**L24B3**
1437, 1425, 1850	12.250	3.875	0.687	F	Keen Edge 3 Holes	6	**L25F3**
1437, 1425, 1856	12.490	2.750	0.687	B	4 Open Slots	4	**L25B3**
1437, 1425, 1850	12.490	2.750	0.687	B	Same as L25B w/ Closed Slots	4	**L12B3**
1214	13.500	3.312	0.562	F	High Shear 5 Holes	2	**L14F3**
1214	13.500	1.937	0.562	B	5 Open Slots	2	**L14B3**
1219	18.500	3.375	0.562	F	High Shear 7 Holes	2	**L19F3**
1219	18.500	1.937	0.562	B		1	**L19B3**
1022	21.000	2.875	0.687	F		1	**L22F3**
Foremost							
SG-80, SG300	8.000	1.937	1.187	F	Hook Fly Reverse Bevel 3 Holes	1	**F8HF3**
56-80, SG300	8.000	1.937	0.625	B	4 Slots	1	**F8BA3**
2A-1, 2A-3, 2A-4, 5C-1, 2A-2	8.000	2.218	0.500		Fly/Bed 3 Holes Countersunk	2–4	**F8FB3**
Y8301-63C, 1008MS	9.500	2.625	0.500	F	Reverse Bevel 2 Holes	1	**F10FA3**
	11.000	1.937	1.187	F	Hook Fly 5 Holes	1	**F11HF3**
	11.000	2.500	0.625	B	5 Slots	1	**F11B3**
HD1, HD3, HD5, QG1010, MS10, MS20, 10×11, X7301-15, 56100, 56400	9.990	1.937	1.187	F	Hook Fly 4 Holes	2	**F10H3**
HD1, HD3, HD5, MS10, QG1010, MS20,10X11, SRG810, X7301-14, 56100, 56400	10.000	1.937	0.625	B	4 Slots	2	**F10B3**
	14.000	1.937	0.625	B	5 Slots Single Bevel	1	**F14BB3**
SHD-5	11.000	3.875	0.875	F	Keen Edge 2 Holes	1	**F11F3**
HD5, QG1010, SG400	20.000	2.250	0.625	B	8 Slots	1	**F20B3**
HD5B	20.000	3.688	1.000	F	Reverse Bevel 4 Holes Counterbored	1	**F20F3**
HD1, MS20	20.000	1.937	1.187	F	Hook Fly 8 Holes	1	**F20HF3**
SK810, SRG810	10.000	2.250	0.500	F	2 Slots	1	**F10F3**
	9.990	1.937	0.625	B	4 Slots	1	**F10BA3**
6A, 6B, HD8	12.000	2.187	1.187	F	Hook Fly 4 Holes	4	**F12H3**
6B, HD8	23.968	2.250	0.625	B	8 Slots	2	**F24B3**
HD8	36.000	3.000	1.000	B	9 Slots (Fly is F12HFA)	1	**F36B3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Foremost (cont.)							
HD6, HS18, MS18, SCMS18, SMS18, SG300, QG1814, 6A	18.000	1.937	1.187	F	Hook Fly with 6 holes (Recessed to 9/16")	2	**F18H3**
HD6, HS18, 6A, MS18, SCMS18, SMS18, QG1814	18.000	2.250	0.625	B	6 Slots	2	**F18B3**
SHD8	12.865	3.763	0.875	F	3 Holes Keen Edge	1	**F13FB3**
HD7	13.000	3.875	0.875	F	3 Holes Keen Edge	1	**F13F3**
HD7	24.000	3.000	1.000	B	6 Slots Single Bevel	1	**F24BA3**
6-B, 6-A	23.968	3.250	0.625	B	8 Slots Single Bevel	1	**F24BB3**
6-B	11.990	2.187	1.187	F	Hook Fly 4 Holes	1	**F12HF3**
6A, 6B, 1624	12.000	2.250	0.625	B	4 Slots 2 Tapped Dowels	4	**F12B3**
3C-2, 3E-1, MS12, X7202-30	12.000	2.218	0.500		Fly/Bed 4 Holes Countersunk	2	**F12FB3**
S3E-1A, 3C-2, MS12, 11½" HS	11.500	2.625	0.500	B	Reverse Bevel 4 Holes	1	**F12BA3**
	11.990	2.250	1.250	F	Hook Fly 4 Holes	1	**F12HF3**
Pipe cutter PL5431	12.000	2.125	1.125	F	Hook Fly 4 Holes	1	**F12HFA3**
13½" HS	13.500	2.625	0.500		Fly/Bed	1	**F14FBA3**
	13.500	2.625	0.500	F	Reverse Bevel 4 Holes	1	**F14RB3**
DSC-14, S45	14.000	2.250	0.500	F	Keen Edge 5 Tapped Holes	1	**F14FB3**
DSC-14	14.000	1.937	0.500	B	Keen Edge 5 Tapped Holes	1	**F14BA3**
S30, S45, HD4	15.000	4.000	1.000	B	5 Tapped Holes	6	**F15B3**
S45, S30, PG2415, HD4	14.985	4.000	1.000	B	5 Tapped Holes	6	**F15FA3**
545, 230, PL2415, H04	14.985	5.594	1.000	B	5 Tapped Holes Double Cutting Edge	1	**F15BA3**
3030	15.000	3.750	0.875	B	4 Slots No Bevel Slants Left	1	**F15BB3**
S45, S30, 3030	15.000	3.875	0.875	B	4 Slots No Bevel	1	**F15BC3**
3030/3048	14.802	3.875	0.875	F	Keen Edge Left Hand 3 Holes	1	**F15FB3**
HD2, HD4, 2H, SG500, SG400, QG1410, MS14, MS28, SG200, HD44, DSC-14, X7302-20	14.000	1.937	1.187	F	Hook Fly 5 Holes	2–4	**F14H3**
SG200, MS14, QG1410, HD2, SG400, HD4, MS28, 2H, X7302-19, HD44, DSC-14	14.000	1.937	0.625	B	5 Slots (Possible F14BB)	2	**F14B3**

Granulator Knives

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Foremost (cont.)							
HD4	14.000	1.750	0.625	F	5 Holes 10 Degree Bevel Radial Rotor	1	**F14FC3**
HD2	13.990	1.937	0.625	B	5 Slots 1 End Tapered (Possible F14B)	9	**F14BB3**
15½" HS, 5CL	15.500	2.625	0.500	F	Reverse Bevel 5 Holes	8	**F15RB3**
5CI, 16" SHEAR	16.000	2.187	0.500		Fly/Bed 6 Holes Countersunk	2	**F16FB3**
	16.000	2.750	0.500	F	Reverse Bevel 5 Slots	1	**F16RB3**
17" HS	17.500	2.625	0.500		Fly/Bed	1	**F17FB3**
	17.500	2.625	0.500	F	Keen Edge 5 Holes	1	**F17F3**
	17.990	2.250	0.625	B	6 Slots (Larger Slots)	1	**F17B3**
Gloucester							
68, 68BPS	7.500	2.937	0.468	F	Reverse Bevel 4 Holes	2	**G7F3**
68, 68BPS	7.875	2.437	0.468	B	Reverse Bevel 4 Slots	1	**G7B3**
68	7.535	2.910	0.500	F	Reverse Bevel 3 Holes	1	**G7FA3**
1012	11.875	3.937	0.562	F	Reverse Bevel 6 Holes	2–3	**G10FA3**
1012BL10	11.500	3.937	0.562	F	Reverse Bevel 6 Holes	1	**G10F3**
1012BL10	11.875	3.375	0.562	B	6 Slots	1	**G10B3**
BP10	11.750	3.937	0.562	F	Reverse Bevel 6 Holes	1	**G12F3**
1416BP20	15.875	2.906	0.562	B	6 Slots	1	**G15B3**
1416BP20	15.750	3.715	0.562	F	Reverse Bevel 5 Holes	1	**G15FA3**
1218	17.312	3.950	0.562	F	7 Holes Reverse Bevel	1	**G17F3**
1218	17.500	3.937	0.562	F	Reverse Bevel 5 Holes	3	**G17FA3**
1218	17.875	3.000	0.562	B	7 Slots	1	**G17B3**
1420BP	19.740	3.937	0.555	F	Reverse Bevel 5 Holes	1	**G19F3**
1420BP	19.312	3.812	0.562	F	Reverse Bevel 5 Holes 3 Degrees Low Shear	1	**G19FB3**
1420, BP30	19.677	3.750	0.562	F	Reverse Bevel 6 Holes	1	**G19FA3**
1420, BP30	19.875	3.000	0.562	B	8 Slots	1	**G19BA3**
1225	24.875	3.875	0.562	F	Reverse Bevel 5 Holes	1	**G25F3**
1225	24.875	3.000	0.562	B	9 Slots 2 Tapped Dowels	2	**G25B3**
250, 50TP10	24.750	2.937	0.468	F	Reverse Bevel 9 Holes	6	**G24F3**
250, 50TP10	24.927	2.437	0.468	B	9 Slots 2 Tapped Dowels	2	**G24B3**
1428, HD60, B21005023	27.625	3.875	0.687	F	Keen Edge 5 Holes	1	**G28F3**
1428, HD60 B21005024	27.985	3.875	0.687	B	8 Slots	1	**G28BA3**
1428	28.000	3.906	0.687	B	8 Slots 2 Tapped Dowels	2–4	**G28B3**
1416BP15	15.800	3.937	0.562	F	4 Holes	1	**G15F3**
30TD10	29.865	2.880	0.437	F	Reverse Bevel 10 Holes	1	**G29F3**
30TD10	29.927	2.375	0.437	B	10 Slots 2 Tapped Holes Single Bevel	1	**G29B3**
1416BP15	15.800	3.937	0.562	F	4 Holes	1	**G15FB3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Granutec							
66 (A66-0015-2)	5.865	1.500	0.250	B	3 Slots	1	**GR6B3**
66 (A66-0010-3)	5.865	2.375	0.375	F	2 Holes	1	**GR6F3**
810-AM A810-002-3	9.906	2.375	0.500	F	High Shear 2 Holes Counterbored	1	**GR10F3**
810	9.906	2.375	0.500	F	Reverse Bevel 2 Holes Counterbored	1	**GR10FA3**
810-AM A810-0003-2	9.875	1.750	0.375	B	4 Slots	1	**GR10B3**
1012TFG, 1012HN15	11.875	2.125	0.375	B	5 Slots	1	**GR12B3**
1012TFG, 1012HN15	11.875	2.312	0.500	F	2 Holes Counterbored	1	**GR12F3**
A1216	15.875	3.500	0.625	F		1	**GR16F3**
TSG1624, 1616/1612	15.875	3.625	0.625	F	High Shear 4 Holes	1	**GR16FA3**
	15.688	3.625	0.625	F	High Shear 4 Holes	1	**GR16FB3**
A1216	15.813	2.375	0.500	B	5 Slots Double Cutting Edge	1	**GR16B3**
P.E.I.	16.000	3.000	0.719	F	High Shear 4 Holes	1	**GR16FC3**
TSG1424-50, TSG1624	23.890	3.630	0.625	F	High Shear 6 Holes	1	**GR24F3**
TSG1424-50, TSG1624	23.890	3.630	0.625	F	Reverse Bevel 6 Holes	1	**GR24RB3**
TSG1424-50, TSG1624	23.890	2.375	0.500	B	7 Slots Double Cutting Edge	1	**GR24B3**
Herbold							
	10.625	3.937	0.866	F	2 Slots 3 Tapped Dowels	1	**H11F3**
	11.654	3.937	0.866	B	3 Slots 4 Tapped Dowels	1	**H11B3**
	11.654	3.858	0.866	B	Double Cutting Edge 3 Slots 4 Tapped Dowels	1	**H12B3**
	18.500	2.760	0.630	F	3 Slots 6 Tapped Holes	1	**H19F3**
	15.150	3.989	0.862	B	3 Slots 4 Tapped Holes	1	**H15B3**
45/100, SMS 80/120	19.236	3.937	0.875	B	3 Slots 4 Tapped Dowels	1	**H20B3**
45/100, SMS 80/120	19.093	3.937	0.875	F	Keen Edge 3 Slots 4 Tapped Dowels	14	**H20F3**
45/100	39.173	3.937	0.866	B	Double Cutting Edge 4 Tapped Dowels	1	**H40B3**
	19.093	3.937	0.875	F	3 Slots 4 Tapped Dowels 4 Degree Angled Ends	1	**H20FA3**
	18.585	3.937	0.866	F	Reverse Bevel 3 Holes Counterbored	1	**H19RB3**
45/100 SMS 80/120	19.330	3.346	0.630	B	4 Slots 4 Tapped Dowels	4	**H19B3**
SMS 80/60	23.425	3.937	0.866	B	6 Slots 4 Tapped Dowels Double Cutting Edge	1	**H24B3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Herbold (cont.)							
	22.362	3.937	0.866	F	3 Slots 4 Tapped Holes Angled Ends	1	**H24F3**
	22.362	3.937	0.866	F	3 Slots 4 Tapped Holes Reverse Bevel Slant on Right and Left side	1	**H24RB3**
80/60	15.748	3.937	0.866	B	4 Slots 4 Tapped Holes Double Cutting Edge	1	**H16B3**
	15.157	3.937	0.866	F	3 Slots High Shear 4 Tapped Dowels	1	**H16F3**
IMS							
A120SC, A144SC, A288SC, AGA120SC, AGU120SC, LP120SC, LP144SC, LP288SC	1.937	1.750	0.562	F	1 Hole Countersunk (use M8BA Bed)	1	**M2F3**
	1.406	1.437	0.468	F	1 Hole Countersunk	1	**M2FA3**
A86C, A187SC, LP86SC, LP187SC, AG86KHSC, AG866SC, AG868SC	2.125	1.750	0.562	F	1 Hole Countersunk (.687 Hole)	1	**M3F3**
Same as M3F Except Hole Size	2.125	1.750	0.562	F	1 Hole Countersunk (.375 Hole)	1	**M3FA3**
	2.125	2.500	0.813	F	Keen Edge 1 Hole Countersunk (.687 Hole)	1	**M3FB3**
LP288SC	2.125	2.500	0.562	F	1 Hole Countersuwnk Double Cutting Edge	1	**M3FC3**
LP86, A86, AG86	8.365	2.375	0.468	F	Reverse Bevel 4 Slots 2 Tapped Dowels	1	**M8FD3**
2031P	4.865	1.687	0.468	F	Reverse Bevel 2 Holes Countersunk	1	**M4F3**
2031P	4.968	1.531	0.468	B	2 Slots 2 Tapped Dowels	1	**M4B3**
2049	7.000	1.750	0.468	F	Reverse Bevel 2 Holes Counteresunk	1	**M7FA3**
2049 SERIES M1, M2, M3, G1, G2, G3, K3	7.000	1.312	0.468	F	Radial Rotor 2 Holes	2	**M7F3**
2049 SERIES M1, M2, M3, G1, G2, G3, K3	7.250	1.343	0.500	B	2 Open Slots 2 Tapped Dowels	1	**M7B3**
2049 SERIES	6.990	1.312	0.468	F	Reverse Bevel 2 Holes Radial Rotor	1	**M7FB3**
Same as M7B Except Smaller Slots	7.250	1.343	0.500	B	2 Open Slots 2 Tapped Dowels	1	**M7BA3**
G466	8.375	2.250	0.500	F	Reverse Bevel 3 Holes Countersunk 2 Tapped Dowels	1	**M8FE3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
IMS (cont.)							
2069	8.422	2.250	0.500	F	Reverse Bevel 3 Holes 2 Tapped Dowels Countersunk	1	**M8FA3**
2046 SERIES, 3040SP, LP86, 3046, K4, G4, XD1, M4 SERIES, GL2086 use M8FB	8.500	2.250	0.468	F	Reverse Bevel 3 Holes Countersunk	2–3	**M8FCC3**
2086, GLP2086, GLH2086, GAU26, GAA16CF, GAU46, 1030LB-SPH, 1030LB, 1030CP, 1030CP-SPH, CPGAU26, 2173, K1710K9, CPGAA16CF, K1085, K6, GLU-4173, GLS-4173, GHU4173, GHS4173	8.500	2.250	0.468	B	Bed/Fly Reverse Bevel 3 Holes Countersunk 2 Tapped Dowels (use M8B Bed)	2–3 –4	**M8FB3**
K6, 2086	8.500	2.250	0.468	F	Keen Edge 3 Holes Countersunk	2	**M8FF3**
K6, 2086, A86, 2086SP, 2173SP, A120SC, A144SC, A288SC, AGA120SC, AGU120SC, LP120SC, LP144SC, LP288SC	8.593	2.875	0.515	B	3 Slots 2 Tapped Dowels (15 Degree Angle)	2	**M8B3**
A187-SP, A187	8.250	3.375	0.625	F	Reverse Bevel 4 Slots 2 Tapped Dowels	4	**M9F3**
A187-SP, A187	8.500	3.375	0.625	B	Keen Edge 3 Slots 2 Tapped Dowels	4	**M9B3**
A86SPO	8.375	2.250	0.500	F	Reverse Bevel 4 Slots 2 Tapped Dowels	1	**M8FC3**
A86SPO	8.568	2.875	0.500	B	3 Slots 2 Tapped Dowels (55 Degree angle)	1	**M8BA3**
	8.450	2.250	0.468	F	Reverse Bevel 3 Holes Counterbored 2 Tapped Holes	1	**M9FA3**
285, AGU120	11.610	2.438	0.470	F	High Shear Reverse Bevel 4 Holes Counterbored	1	**M11FB3**
285-2120, AGU120	11.968	2.500	0.500	B	3 Slots 2 Tapped Dowels	1	**M11B3**
G566R	11.750	3.375	0.625	F	Keen Edge 4 Holes Countersunk	1	**M11FE3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
IMS (cont.)							
2028, 2056	27.990	4.338	0.875	F	High Shear 5 Holes Counterbored	6	**M28F3**
	11.937	3.500	0.625	B	3 Slots 2 Tapped Dowels	1	**M12B3**
LP120, A120-3, AGU120	11.750	2.750	0.562	F	Reverse Bevel 4 Slots 2 Tapped Dowels	1	**M12FA3**
LP-120, A120-3, AGU120	11.943	2.875	0.500	B	3 Slots 2 Tapped Dowels	1	**M12BD3**
M5, XD2, G5, M10, 2144SPO, K5, 2120, 3144, G566R, 12″ AUGER	11.875	3.500	0.625	F	Reverse Bevel 4 Holes Countersunk	2–3	**M12FB3**
M5, XD2, G5, M10, 2144SPO, K5, 2120, 3144, G566R, 12″ AUGER, CP300	11.990	3.500	0.625	B	Radial Rotor 3 Slots 2 Tapped Dowels	2	**M11D3**
A144-3, 25P, A-288SP, G566R, LP144-3, A144, LP144-MH	11.740	3.437	0.625	F	Reverse Bevel 4 Slots 2 Tapped Dowels	2–3	**M12F3**
A144-3, 35P, A-288SP, A144, LP144-3, LP144-MH	11.937	3.437	0.625	B	3 Slots 2 Tapped Dowels	1	**M12BA3**
	11.937	3.500	0.625	F	4 Holes Countersunk 2 Tapped Dowels	1	**M12FD3**
CP300, 2288SPBV	11.875	3.500	0.625	F	Reverse Bevel 4 Holes Countersunk 2 Tapped Dowels	1	**M12FC3**
2120	11.625	2.375	0.500	F	Reverse Bevel 4 Holes Counterbored	1	**M11F3**
2120, G866R	11.625	2.437	0.500	F	Keen Edge 4 Holes	1	**M11FA3**
14×17	16.500	4.313	3.712	F	Reverse Bevel 6 Slots Counterbored Beveled Cutting Edge 2 Tapped Dowels	1	**M16F3**
A-144-3-SP	11.937	3.437	0.625	B	3 Slots 2 Tapped Holes	1	**M12BE3**
A-144-3-SP	11.937	3.437	0.625	B	3 Slots 2 Tapped Dowels Single Bevel	1	**M12BF3**
	16.500	4.313	0.688	F	Reverse Bevel 6 Slots 2 Tapped Dowels Beveled Cutting Edge	1	**M16FA3**
Mitts & Merrill							
13CSD, 14CSF, 15CSH, no bed knife	4.750	9.000	0.625	F	Keen Edge 1 Open Slot	1	**MM4F3**
13CSD, 14CSF, 15CSH, no bed knife	4.750	9.000	0.625	F	(Same as MM4F with Serrated Back)	1	**MM4FA3**
	8.000	3.250	0.625	F	Keen Edge 1 Open Slot Serrated Back	1	**MM8F3**
8×10	10.250	2.250	0.375	F	Keen Edge 2 Holes Double Cutting Edge	2	**MM10F3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Mitts & Merrill (cont.)							
8×10	10.500	2.062	0.562	B	2 Holes	2	**MM10B3**
10×12	12.250	2.812	0.437	F	Keen Edge 2 Holes Double Cutting Edge	3	**MM12F3**
10×12	12.468	2.062	0.562	B	3 Holes	2	**MM12B3**
14	14.875	1.750	0.652	F	Hook Fly 4 Slots	1	**MM14F3**
1635	17.750	3.000	0.437	F	4 Holes	1	**MM18F3**
1635	17.750	2.060	0.562	B	3 Holes	1	**MM18B3**
	17.750	2.060	0.562	B	3 Slots	1	**MM18BA3**
13CSD	21.069	3.950	1.000	B	Keen Edge 2 Holes Countersunk	2	**MM21B3**
	17.750	2.820	0.437	F	4 Holes	1	**MM18FA3**
14×20	20.500	3.187	0.687	B	4 Holes	1	**MM20BA3**
14×20	20.240	2.875	0.437	F	Keen Edge 4 Holes	3	**MM20F3**
14×20	20.500	2.062	0.562	B	3 Holes	2	**MM20B3**
	24.000	3.250	0.750	F	5 Holes Counterbored	1	**MM24F3**
	24.365	3.375	0.625	B	7 Slots	1	**MM24B3**
	21.069	3.950	1.000	B	2 Countersunk Holes	1	**MM21BA3**
Nelmor							
AN67	5.820	2.375	0.319	F	Keen Edge 3 Holes	1	**N5F3**
AN67	5.936	1.883	0.379	B	2 Slots	1	**N5B3**
G66M1	5.625	2.125	0.312	F	High Shear 3 Holes Counterbored	1	**N6F3**
G66M1	5.953	1.687	0.375	B	3 Slots	1	**N6B3**
AN88M, AN88MS, L888M	7.740	2.375	0.312	F	High Shear 3 Holes	3	**N8F3**
AN88M, AN88MS, L888M	7.937	1.875	0.375	B	2 Slots	2	**N8B3**
G2436M2	8.900	3.937	1.000	F	Reverse Bevel 4 Holes Counterbored	20	**N8FA3**
AN1010M, 810VL, RG810M1, AN1010MS, GA1010M2, LB1010M, 810RG11, G810MI	9.500	2.375	0.437	F	Keen Edge 6 Holes Counterbored	2–3	**N10F3**
G810M1,G6310, RG810M1, AN1010M, AN1010MS, LB1010M, 810RG11, 810VL	9.500	2.375	0.437	F	Reverse Bevel 6 Holes Counterbored	2–3	**N10FA3**
G810M1,G6310, RG810M1, AN1010M, AN1010MS, LB1010M, 810RG11, 810VL	9.968	1.875	0.375	B	5 Slots	2	**N10B3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Nelmor (cont.)							
	9.490	2.375	0.437	F	6 Holes Counterbored High Shear	1	**N9F3**
G1012M1, RG1012M1, 1012RG11, G61012M1	11.500	2.750	0.500	F	Reverse Bevel 7 Holes Counterbored	2–3	**N12FA3**
G1012M1, G1012LS, RG1012M1,1012RG11, G61012M1	11.500	2.750	0.500	F	High Shear 7 Holes Counterbored	2–3	**N12F3**
G1012M1, G1012LS, RG1012M1,1012RG11, G61012M1, G1224	11.968	2.484	0.500	B	7 Slots	2	**N12B3**
G6012M1	11.958	3.524	0.500	B	7 Slots	1	**N12BA3**
G1214M1	13.490	3.375	0.562	F	High Shear 5 Holes Counterbored	2	**N14F3**
G1214M1	13.500	1.937	0.562	B	5 Open Slots	2	**N14B3**
	14.500	2.625	0.500	F	High Shear 6 Holes Counterbored	1	**N15F3**
1830 (see also N15BA)	14.750	3.187	0.625	B	5 Slots Double Cutting Edge	1	**N15BC3**
G1845 (see also N13FC)	14.490	3.625	0.625	F	Reverse Bevel 5 Holes Counterbored	3–4	**N13FA3**
G1215M1, RG1215M1, 1215RG11, G1213M1, 12295M1, RG12295M1, 1229RG11, G1226M1, G1830M1, G12295M1, G16296M1, 2030, 2045	14.500	3.625	0.625	F	Reverse Bevel 5 Holes Counterbored (Standard Rotor)	3–4	**N13FC3**
G1215 (old machines)	14.500	3.450	0.625	F	Reverse Bevel 5 Holes Counterbored	1	**N13FB3**
G1215M1, F512, RG1215M1,1215RG11, G1213M1, RG12295M1, 12295RG11,1830, G1226M1, G16295M1	15.000	2.750	0.625	B	5 Slots (check length, see N15B)	2	**N13B3**
G1215M1, RG1215M1, 1215RG11, G1213M1, RG12295M1,12295RG11, G1226M1, G1830M, G12295M1,G16295M1	14.500	3.610	0.625	F	High Shear 5 Holes Counterbored	3–4	**N13F3**
G1215M1, RG1215M1, 1215RG11, G1213M1, RG12295M1,12295RG11, G1226M1, G12295M1, G16295M1	14.718	2.750	0.625	B	5 Slots (check length, see N13B)	1	**N15B3**

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Nelmor (cont.)							
	14.718	3.625	0.625	B	Double Cutting Edge 5 Slots	1	**N15BB3**
G12295M1, G16295, F512,1830, G1215M1	14.500	3.625	0.625	F	High Shear 5 Holes Counterbored	1	**N13FD3**
1830 (short version of N15BC)	14.718	3.187	0.625	B		1	**N15BA3**
G1436M1	17.875	3.750	1.000	F	6 Holes Reverse Bevel Counterbored	1	**N17FC3**
G1436M,G2436M1	17.865	3.875	0.750	F	High Shear 6 Holes Counterbored	3–6	**N36F3**
G3036MR, BED N17BA	17.875	4.750	1.000	F	High Shear 6 Holes	1	**N17FB3**
G3036MR, FLY N17FB	17.935	3.625	0.750	B	6 Slots	1	**N17BA3**
G3036MZ	17.875	4.500	1.000	F	High Shear 6 Holes	1	**N17FD3**
G3036MZ (OEM)	17.875	4.530	1.000	F	High Shear 6 Holes	1	**N17FE3**
G3036M2	17.865	4.500	1.000	F	High Shear 6 Holes	1	**N17FF3**
	16.062	3.750	0.500	B	4 Slots Double Cutting Edge	1	**N16BA3**
G1416M1	15.865	3.312	0.500	F	Keen Edge 4 Holes Counterbored	1	**N16F3**
G1416M1	16.177	3.937	0.500	B	4 Slots Double Cutting Edge	1	**N16B3**
G1416M1	15.865	3.250	0.500	F	High Shear 4 Holes Counterbored	1	**N16FA3**
G1416M1	16.250	2.750	0.625	B	6 Slots	1	**N16BB3**
	17.875	4.500	1.000	F	High Shear 6 Holes	1	**N18FA3**
3030HD	14.500	4.000	1.000	F	5 Counterbored Holes Reverse Bevel	1	**N15FA3**
G1454MB, G2436MB, G1436MB, G1436M1, G2036MB, G2054MB, G2436M1, G3036M1, G2435	17.875	3.875	1.000	F	High Shear 6 Holes Counterbored; check slot length	3–6	**N35F3**
G1454MB, G2435, G1436MB, G1436M1, G2036MB, G2054MB, G2436MB, G3036M1, G2436M2, G1436MB, G1126M1	17.937	3.500	0.750	B	6 Slots 2 Tapped Dowels; check slot length 2.125″	4	**N35B3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Nelmor (cont.)							
G1436M	17.865	3.750	0.750	F	High Shear 6 Holes Counterbored	1	**N18FB3**
G2436M2 (MOD)	17.927	3.625	0.750	B	6 Slots	1	**N18BA3**
G3036M2, 2436M1	17.927	3.500	0.750	B	6 Slots Slot Length 1.625″	1	**N18BB3**
G3036M2, G2436M2	17.865	4.750	1.375	F	Keen Edge 6 Holes Counterbored	6–10	**N18FC3**
G3036M2 (MOD)	17.865	4.750	1.375	F	High Shear 6 Holes Counterbored	1	**N18FD3**
3036	17.875	3.500	0.750	B	6 Slots	1	**N18BC3**
	17.905	5.000	1.000	B	Keen Edge 8 Slots	1	**N18BD3**
1220RG11, G1620M1, G1820M1	17.250	5.655	1.000	F	6 Holes High Shear Counterbored	1	**N17FG3**
	17.875	4.000	1.000	F	High Shear 6 Holes Counterbored	1	**N17FH3**
2536M1	17.875	3.938	1.000	F	High Shear 6 Holes Counterbored	1	**N17FJ3**
1220 (SEM)	19.938	2.750	0.625	B	7 Slots	1	**N19BA3**
2056	18.563	3.875	1.000	F	Keen Edge 6 Holes Counterbored	1	**N18FE3**
2056, 2456MB	18.625	3.473	0.750	B	6 Slots	1	**N18BE3**
2456MB	18.562	3.938	1.000	F	Reverse Bevel 6 Holes Counterbored	1	**N18F3**
2456MB	18.562	3.938	1.000	F	Keen Edge 6 Holes Counterbored (same as N18F)	1	**N18FF3**
G1220M1, RG1220M1, 1220RG11, G1620M1, G1820M1, SEM 22 DIS, G1830M1	19.490	3.625	0.625	F	High Shear 7 Holes Counterbored	2–3	**N20F3**
G1620	19.958	3.250	0.625	B	7 Slots	1	**N19BB3**
G1220M1	19.950	3.188	0.625	B	8 Slots Double Cutting Edge	1	**N19BC3**
G1220M1, RG1220M1, 1220RG11, G1820, G1220MH, G1220M1, G1620M1, G1830M1	19.958	2.750	0.625	B	7 Slots	2	**N20B3**
Mini Hog	19.750	2.750	0.625	F	Hook Fly 7 Slots	1	**N19F3**
G1220M1, RG1220M1, 1220RG11, G1620M1, G1820M1, G1830M1	19.500	3.562	0.625	F	Reverse Bevel 7 Holes Counterbored	2–3	**N20FA3**
G1820M	19.958	2.750	0.500	B	7 Slots	2	**N20BB3**
G1820M	19.958	3.250	0.625	B	7 Slots Double Cutting Edge	1	**N20BA3**
G1220MH1	19.750	2.625	0.625	F	Keen Edge Open Holes	1	**N20FB3**

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Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Nelmor (cont.)							
G1022M1	20.990	2.937	0.750	F	Low Shear 9 Holes	3	**N21F3**
G1022M1	21.937	2.875	0.750	B	9 Slots	2	**N22B3**
1634	16.750	3.634	0.625	F	7 Holes Counterbored High Shear	1	**N16FB3**
1634	16.937	3.169	0.635	B	6 Slots 2 Tapped Holes	1	**N16BC3**
WG6000	19.620	2.850	0.550	F	Keen Edge 4 Holes	1	**N19FA3**
3048MB, G3072M	23.875	5.000	1.000	B	10 Slots	1	**N23B3**
G3072M	23.240	6.000	1.000	F	8 Holes Counterbored High Shear	15	**N23FB3**
93072M	23.240	6.000	1.000	F	Reverse Bevel 8 Holes Counterbored	1	**N23FA3**
	23.875	5.000	1.000	B	10 Slots	1	**N23BA3**
	23.490	3.937	1.000	F	High Shear 8 Holes	1	**N24FB3**
G2024MB, G1424MB, G1448M1, G1224P	23.500	3.750	0.750	F	High Shear 8 Holes Counterbored (use on 100 H.P. or less)	3	**N24F3**
G1448	23.875	3.750	0.750	F	High Shear 4 Holes Counterbored	1	**N24FD3**
G2024MB, 6202,1424, G1424MB, G1448M1	23.937	3.500	0.750	B	7 Slots	2	**N24B3**
G1424MB, 6202	23.500	3.750	0.750	F	Reverse Bevel 8 Holes Counterbored (.687 Holes)	1	**N24FC3**
14×24	22.490	3.937	1.000	F	High Shear 6 Holes Counterbored	5	**N22F3**
14×24, G1448M1	23.861	3.500	0.750	B	8 Slots	2	**N22BB3**
G1448M1	23.938	3.500	0.750	B	8 Slots 2 Tapped Holes	1	**N22BA3**
G1424MND	23.490	3.750	1.000	F	8 Holes Counterbored Reverse Bevel (.812 Holes)	1	**N22FA3**
14×24, G2024MB	23.490	3.750	0.750	F	High Shear 8 Holes (.812 Holes)	3	**N22FB3**
G1424MB	23.490	3.937	1.000	F	8 Holes High Shear Counterbored .812" Holes (1.750 Counterbored)	1	**N24FA3**
3030HD	14.500	4.000	1.000	F	5 Counterbored Holes High Shear	1	**N14FA3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Nelmor (cont.)							
1424MB	23.490	3.750	1.000	F	High Shear 8 Holes Counterbored (1.375 CB)	1	**N22FC3**
G2024MB, G1424M, G1448M1, 1424MB	23.500	3.750	1.000	F	High Shear 8 Holes Counterbored (1.750" CB)	1	**N22FD3**
1424	23.937	3.500	1.000	B	7 Slots	1	**N22BC3**
RL450	7.086	3.937	0.394	F	Low Shear 3 Holes Double Cutting Edge	1	**N7F3**
Polymer							
68 SILENCER	7.740	2.550	0.562	F	Reverse Bevel 3 Holes Counterbored	1	**P7FD3**
68	7.555	2.550	0.562	F	Reverse Bevel 3 Holes Counterbored	1	**P7FC3**
68	7.490	1.937	0.437	F	Keen Edge 3 Holes	2	**P7F3**
68, 88	7.875	1.937	0.437	B	3 Open Slots	1	**P7B3**
68	7.500	2.550	0.562	F	Reverse Bevel 3 Holes Counterbored	3	**P7FH3**
68	7.865	1.875	0.437	B	3 Open Slots	1	**P7BA3**
68	7.750	1.937	0.437	F	Keen Edge 3 Holes	2	**P7FK3**
68	7.865	2.427	0.437	B	3 Open Slots	1	**P7BC3**
68, 88	7.875	2.375	0.375	F	Keen Edge 2 Holes	1	**P7FG3**
88	7.875	1.937	0.375	B	3 Slots	1	**P7FJ3**
1010A	9.760	2.650	0.500	F	High Shear 6 Slots	1	**P9FG3**
6438SC	11.562	2.875	0.562	F	Reverse Bevel 4 Holes Counterbored	1	**P12FA3**
	11.937	2.850	0.500	B	4 Open Slots	1	**P12BA3**
912	11.500	2.437	0.562	F	Keen Edge 4 Holes	2	**P11F3**
912, 912SP	11.802	2.455	0.590	B	4 Open Slots	1	**P11B3**
912SP	11.625	2.937	0.562	F	Keen Edge 4 Holes Counterbored	1	**P11FD3**
1225	12.000	3.937	0.938	F	Keen Edge 4 Holes	6	**P12F3**
1225	12.500	3.937	0.937	B	4 Open Slots	4	**P12B3**
1116	15.262	2.937	0.562	F	Right Hand Keen Edge 6 Holes	2	**P15FR3**
1116	15.262	2.937	0.562	F	Left Hand Keen Edge 6 Holes Counterbored	2	**P15FL3**
1116 (old)	15.490	2.930	0.562	F	6 Holes	2	**P15F3**
1116 (new)	15.703	2.937	0.562	F	6 Holes Counterbored Slant Left	1	**P15FA3**
1120	19.593	2.937	0.562	F	Keen Edge 7 Holes Counterbored Slant Left	2	**P19FE3**
1120	19.500	2.906	0.562	F	Reverse Bevel 7 Holes Counterbored	2	**P19FD3**
1120	19.865	2.937	0.562	B	7 Open Slots	1	**P19B3**

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Polymer (cont.)							
1120 (OLD)	19.500	2.906	0.562	F	High Shear 7 Holes	2	**P19FA3**
1020 SIL	19.500	2.918	0.562	F	Keen Edge 5 Holes Counterbored	3	**P20F3**
	19.500	2.918	0.562	F	Reverse Bevel 5 Holes Counterbored	3	**P20FA3**
2040, 1620	20.000	3.875	0.937	F	High Shear 4 Holes	6	**P40F3**
2040	20.453	3.875	0.937	B	6 Open Slots	4	**P40B3**
1526, 1426 LOBOY	25.250	3.875	0.687	F	Keen Edge 5 Holes	3	**P26FA3**
1526, 1426 LOBOY	25.250	3.875	0.687	F	Keen Edge 5 Holes	3	**P26F3**
1526, 1426 LOBOY	25.750	3.437	0.687	B	7 Open Slots	2	**P26B3**
1526, 1426 LOBOY	25.927	3.437	0.687	B	7 Open Slots	1	**P26BA3**
32×74, 32×56	20.250	4.312	1.125	F	Reverse Bevel 4 Holes Counterbored	1	**P20FB3**
32×74	18.562	3.750	0.875	B	5 Slots 2 Tapped Holes w/ 2 Face Holes Single Bevel	1	**P18BA3**
	31.875	2.537	0.562	B	9 Open Slots	1	**P31B3**
	31.500	3.523	0.562	F	Reverse Bevel 9 Holes Counterbored	1	**P31FA3**
1632 SIL	31.500	3.500	0.562	F	Keen Edge 7 Holes Counterbored	1	**P31F3**
Rainville							
1011	11.000	2.000	1.250	F	Hook Fly 4 Holes Recessed .562″	2–3	**R11H3**
1011	11.000	2.000	0.625	B	5 Slots	1	**R11B3**
1011	11.000	2.000	0.625	B	4 Slots	2	**R11BA3**
1015, 1415	15.000	2.000	1.250	F	Hook Fly 6 Holes (Recessed .562″)	2–3	**R15H3**
1015, 1415	15.000	2.312	0.562	F	Fly 5 Holes	2–3	**R15F3**
1015, 1415	15.000	2.000	0.625	B	6 Slots	2	**R15B3**
1419	19.000	2.000	1.250	F	Hook Fly 8 Holes (Recessed .562″)	2–3	**R19H3**
1419	19.000	2.000	0.625	B	8 Slots	2	**R19B3**
	11.000	1.750	0.625	B	5 Slots	1	**R11BB3**
28SLS	11.000	2.000	1.135	F	Hook Fly 4 Holes	1	**R11HA3**
Ramco							
1030	5.150	1.577	0.625	F	2 Tapped Holes Double Cutting Edge	1	**RM6A3**
1030	5.109	1.812	0.500	B	4 Tapped Holes Double Cutting Edge	1	**RM6B3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Ramco (cont.)							
C1030	6.168	1.410	0.625	F	4 Tapped Holes Double Cutting Edge	1	**RM7F3**
1418H	9.062	2.359	0.875	F	2 Tapped Holes	1	**RM9F3**
1418H	8.937	2.641	0.625	B	2 Slots	1	**RM9B3**
	9.122	2.750	0.625	B	2 Slots Double Cutting Edge	1	**RM9BA3**
8×10	10.125	1.487	0.625	F	Keen Edge 3 Tapped Dowels Double Cutting Edge	2	**RM10F3**
8×10	10.115	1.750	0.500	B	6 Tapped Holes Double Cutting Edge	2	**RM10B3**
1424W	10.000	2.750	0.500	F	Radial Rotor 3 Slots	2	**RM10FA3**
	10.100	1.500	0.625	F	3 Holes Tapped and Counterbored	1	**RM10FB3**
8×10	10.125	1.503	0.625	F	3 Holes Tapped and Counterbored	1	**RM10FC3**
8×10	10.125	1.812	0.500	B	6 Tapped Holes Double Cutting Edge	1	**RM10BA3**
1012, B1012-R6	12.052	1.483	0.687	F	Keen Edge 3 Holes Counterbored Double Cutting Edge	2	**RM12F3**
1012, B1012-M17	11.984	2.125	0.500	F	3 Slots Double Cutting Edge	2	**RM12B3**
1012	12.052	2.875	0.750	F	Keen Edge 4 Holes Counterbored Single Cutting Edge	1	**RM12FA3**
14×18, (LT duty)	18.062	1.812	0.500	F	Reverse Bevel 4 Tapped Dowels	2	**RM18FA3**
14×18	18.000	2.750	0.612	B	4 Holes	2	**RM18B3**
14×18, 1436, (heavy duty)	18.062	2.312	0.875	F	Keen Edge 4 Holes Tapped and Counterbored Double Cutting Edge	2	**RM18F3**
1418I	18.043	2.874	0.875	F	Keen Edge 5 Holes Counterbored	6	**RM18FC3**
14×18, 1436, (use RM18BB)	18.000	3.000	0.625	B	4 Slots Double Cutting Edge	2	**RM18BA3**
2436, 1418	18.000	2.625	0.625	B	4 Slots Double Cutting Edge	1	**RM18BB3**
1527	26.927	3.875	2.000	F	Hook Fly 5 Holes Counterbored	1	**RM26F3**
1527	26.937	3.875	0.875	B	7 Open Slots	2	**RM27B3**
1527	26.937	3.875	2.000	F	Hook Fly 5 Holes (Recessed 1″)	3	**RM26FA3**

GRANULATOR KNIVES

Replacement granulator knives manufactured to precise tolerance to replace original equipment. Super Alloy: Premium grade D2 tool steel formulation provides much longer life and is better suited to high-usage cycles and tough materials. Greatly increases the time between sharpening. Ideal for heavy usage central grinding.

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Ramco (cont.)							
1527 SPECIAL	13.490	4.250	1.375	F	3 Counterbored Holes Reverse Bevel	1	**RM13F3**
2436	17.927	2.687	0.625	B	4 Slots	1	**RM17B3**
2436	36.000	3.875	1.000	F	Reverse Bevel 8 Holes Counterbored	1	**RM35F3**
2436	17.927	2.687	0.875	B	4 Slots	1	**RM17BA3**
2436	36.000	3.875	1.000	F	Keen Edge 8 Holes Counterbored	1	**RM35FA3**
2436	18.000	2.755	0.625	B	4 Slots	1	**RM18BC3**
2436	18.019	2.375	0.625	F	4 Tapped Dowels	1	**RM18FB3**
2436	36.026	3.867	1.625	F	Hook Fly 8 Holes Counterbored	3	**RM36F3**
Rapid							
GK20,158	3.838	1.693	0.276	B	2 Slots	1	**RP4B3**
GK20,158	3.838	1.693	0.312	F	Keen Edge 2 Slots	1	**RP4F3**
GK205, 79C, K, GK2218A, 79MS	8.875	2.515	0.500	F	Low Shear 2 Slots	1	**RP8F3**
79MS	8.897	2.559	0.475	B	2 Slots	1	**RP9B3**
GK205, 79C, K, GK2218A	9.843	1.500	0.375	B	3 Tapped Dowels	1	**RP10BA3**
1012K	11.802	2.875	0.500	F	2 Slots	1	**RP12F3**
1012, GK3026	11.875	2.875	0.531	F	High Shear 2 Slots	3	**RP12FD3**
1012, GK3026	12.812	2.875	0.531	B	2 Slots Double Cutting Edge	2	**RP13FA3**
GK1000, 2442HOG, (HD ROTOR)	10.290	3.750	1.000	F	High Shear 3 Slots 2 Tapped Dowels 1″ Slots	20	**RP10FA3**
GK1000, 2442, (RS ROTOR)	0.296	3.750	1.000	F	Low Shear 3 Slots 2 Tapped Dowels ⅞″ Slots	20	**RP10F3**
GK1000, 2442	41.710	2.120	1.340	B	1 Upper 9 Slots Counterbored 8 Holes	1	**RP41B3**
GK1000, 2442	44.093	1.812	1.187	B	2 Lower 7 Tapped Holes 2 Tapped Dowels	2	**RP44B3**
GK1000R	13.740	2.437	0.710	F	No Holes	1	**RP13F3**
600 “V”	11.750	2.875	0.531	F	Left Hand Low Shear 3 Slots	4	**RP12FA3**
600 “V”	11.750	2.875	0.531	F	Right Hand 3 Slots	4	**RP12FVR3**
600C	11.740	1.885	0.580	F	No Holes	1	**RP12FB3**

GRANULATOR KNIVES

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Rapid (cont.)							
GK640	11.990	2.810	0.562	F	Left Hand Low Shear 3 Slots	4	**RP12FVL3**
GK640	11.990	2.810	0.562	F	Right Hand Low Shear 3 Slots	4	**RP12FAR3**
GK640 (MOD)	11.990	3.310	0.562	F	High Shear 3 Slots Left Hand	1	**RP12FAL3**
	17.750	3.312	0.950	F	4 Slots Right Hand 2 Tapped Dowels High Shear	1	**RP18FR3**
	17.750	3.312	0.950	F	4 Slots Left Hand 2 Tapped Dowels High Shear	1	**RP18FL3**
	18.063	2.755	0.792	B	4 Slots 2 Tapped and Drilled Holes	1	**RP18B3**
GK600, GK625,1224C, GK650, GK640, GK600SK	12.000	2.875	0.562	F	Left Hand Low Shear 3 Slots	4	**RP12FSL3**
GK640 (MOD)	11.990	3.310	0.562	F	High Shear 3 Slots Right Hand	1	**RP12FS3**
GK600, GK625,1224C, GK650, GK640, GK600SK	12.000	2.875	0.562	F	Right Hand Low Shear 3 Slots	4	**RP12FSR3**
GK600,1224C, GK640, GK650, 600 "U", GK600SK	24.802	1.890	0.562	B	7 Tapped Dowels	2	**RP25BV3**
GK600	23.500	1.937	0.750	B	4 Slots Counterbored 3rd Bed	1	**RP24B3**
GK100C, 912C, 75C, 50C, 150C, 250E, 3023KU	11.654	2.625	0.562	F	Low Shear 2 Slots	1	**RP11F3**
	13.875	2.700	0.531	F	Radial Rotor 3 Slots Right Hand	1	**RP14FR3**
	13.875	2.700	0.531	F	Radial Rotor 3 Slots Left Hand	1	**RP14FL3**
GK600	28.740	1.889	0.550	B	3 Tapped Holes	1	**RP25BA3**
GK100C, 912C, 75C, 50C, 150C, 250E, 3023KU	12.625	1.875	0.562	B	Keen Edge 2 Tapped Holes 1 Tapped Dowel	1	**RP12B3**
GK100C, 912C, 75C	11.654	2.625	0.562	F	High Shear 2 Slots	1	**RP11FA3**
75E	15.150	1.815	0.560	B	2 Holes	1	**RP15BA3**
75E	15.150	1.815	0.560	B	Same as RP15BA but with end holes	1	**RP15BB3**
1831, GK8045	15.375	3.150	0.750	F	High Shear 3 Slots (slot .125 from back edge)	1	**RP16F3**
1831	15.375	3.740	0.790	F	Reverse Bevel 3 Slots Left Hand	1	**RP16FL3**
1831	15.375	3.740	0.790	F	Reverse Bevel 3 Slots Right Hand	1	**RP16FR3**

Replacement granulator knives manufactured to precise tolerance to replace original equipment. Super Alloy: Premium grade D2 tool steel formulation provides much longer life and is better suited to high-usage cycles and tough materials. Greatly increases the time between sharpening. Ideal for heavy-usage central grinding.

Make & Model	Length	Width	Thickness	Fly/ Bed	Description	Qty/ Set	Part Number
Rapid (cont.)							
1831, GK8045	31.625	2.778	0.781	B	4 Slots	1	**RP32B3**
1831	30.938	2.778	0.790	B	3rd Bed No Bevel (Square)	1	**RP30B3**
1831K, 1830KU	15.375	3.125	0.781	F	Keen Edge 3 Slots (Slot .436 from back edge)	1	**RP16FA3**
1418	17.500	3.820	0.750	F	3 Slots	3	**RP18FA3**
1418, GK4535KU	18.656	3.250	0.750	B	3 Slots	2	**RP19B3**
GK4535KU	17.500	3.824	0.687	F	Keen Edge 3 Slots	1	**RP18F3**
GK300, GK4535KU	15.000	1.880	0.551	B	2 Tapped Holes	1	**RP15B3**

Granulator Screens

These screens are manufactured for your specific application from a standard ASTM A36 material or an AR235 steel for processing high-abrasive materials. Please complete the worksheet below and either fax or email a copy of this page to DME Fax: 888-808-4363; DME@dme.net.

(A) Length

(B) Overall width of screen

(C) Inside width of screen

(D) Depth of radius (inside)

(E) Thickness

(F) Hole size

(G) Width of flange

(H) Thickness of flange

(I) Bend radius

(J) Hole size on bar flange

(K) Counterbore hole size

(L) Edge to first hole

(M) Center to center of holes

(N) Side to first hole (if applies)

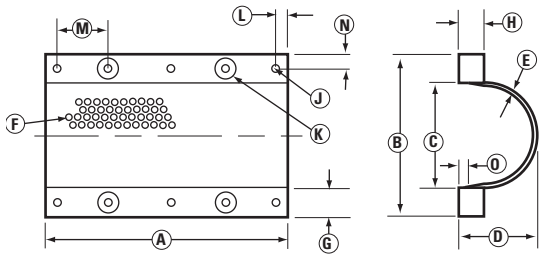
(O) Screen location

(Relative to top of bar)

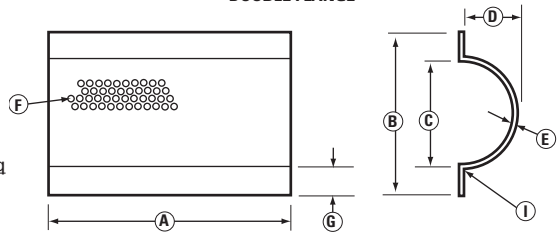
ELECTRONIC QUOTE REQUEST FORM

or visit www.dme.net/rfq

BAR FLANGE



DOUBLE FLANGE



Machine name:

Machine model:

O.E.M. # (if available):

Select one: ☐ Bar flange

☐ Double flange

Injection Machine Shots per Hour

Based on seconds per cycle											
Seconds per cycle	Shots per hour	Seconds per cycle	Shots per hour	Seconds per cycle	Shots per hour	Seconds per cycle	Shots per hour	Seconds per cycle	Shots per hour	Seconds per cycle	Shots per hour
1	3600.0	31	116.1	61	59.0	91	39.6	121	29.8	151	23.8
2	1800.0	32	112.5	62	58.1	92	39.1	122	29.5	152	23.7
3	1200.0	33	109.1	63	57.1	93	38.7	123	29.3	153	23.5
4	900.0	34	105.9	64	56.3	94	38.3	124	29.0	154	23.4
5	720.0	35	102.9	65	55.4	95	37.9	125	28.8	155	23.2
6	600.0	36	100.0	66	54.5	96	37.5	126	28.6	156	23.1
7	514.3	37	97.3	67	53.7	97	37.1	127	28.3	157	22.9
8	450.0	38	94.7	68	52.9	98	36.7	128	28.1	158	22.8
9	400.0	39	92.3	69	52.2	99	36.4	129	27.9	159	22.6
10	360.0	40	90.0	70	51.4	100	36.0	130	27.7	160	22.5
11	327.3	41	87.8	71	50.7	101	35.6	131	27.5	161	22.4
12	300.0	42	85.7	72	50.0	102	35.3	132	27.3	162	22.2
13	276.9	43	83.7	73	49.3	103	35.0	133	27.1	163	22.1
14	257.1	44	81.8	74	48.6	104	34.6	134	26.9	164	22.0
15	240.0	45	80.0	75	48.0	105	34.3	135	26.7	165	21.8
16	225.0	46	78.3	76	47.4	106	34.0	136	26.5	166	21.7
17	211.8	47	76.6	77	46.8	107	33.6	137	26.3	167	21.6
18	200.0	48	75.0	78	46.2	108	33.3	138	26.1	168	21.4
19	189.5	49	73.5	79	45.6	109	33.0	139	25.9	169	21.3
20	180.0	50	72.0	80	45.0	110	32.7	140	25.7	170	21.2
21	171.4	51	70.6	81	44.4	111	32.4	141	25.5	171	21.1
22	163.6	52	69.2	82	43.9	112	32.1	142	25.4	172	20.9
23	156.5	53	67.9	83	43.4	113	31.9	143	25.2	173	20.8
24	150.0	54	66.7	84	42.9	114	31.6	144	25.0	174	20.7
25	144.0	55	65.5	85	42.4	115	31.3	145	24.8	175	20.6
26	138.5	56	64.3	86	41.9	116	31.0	146	24.7	176	20.5
27	133.3	57	63.2	87	41.4	117	30.8	147	24.5	177	20.3
28	128.6	58	62.1	88	40.9	118	30.5	148	24.3	178	20.2
29	124.1	59	61.0	89	40.4	119	30.3	149	24.2	179	20.1

Grams to Ounces Conversion

Grams	Ounces	Grams	Ounces	Grams	Ounces	Grams	Ounces	Grams	Ounces	Grams	Ounces
1	0.0353	21	0.7408	41	1.4462	81	2.8572	101	3.5627	121	4.2681
2	0.0705	22	0.7760	42	1.4815	82	2.8925	102	3.5979	122	4.3034
3	0.1058	23	0.8113	43	1.5168	83	2.9277	103	3.6332	123	4.3387
4	0.1411	24	0.8466	44	1.5521	84	2.9630	104	3.6685	124	4.3740
5	0.1764	25	0.8818	45	1.5873	85	2.9983	105	3.7038	125	4.4092
6	0.2116	26	0.9171	46	1.6226	86	3.0336	106	3.7390	126	4.4445
7	0.2469	27	0.9524	47	1.6579	87	3.0688	107	3.7743	127	4.4798
8	0.2822	28	0.9877	48	1.6932	88	3.1041	108	3.8096	128	4.5151
9	0.3175	29	1.0229	49	1.7284	89	3.1394	109	3.8449	129	4.5503
10	0.3527	30	1.0582	50	1.7637	90	3.1747	110	3.8801	130	4.5856
11	0.3880	31	1.0935	51	1.7990	91	3.2099	111	3.9154	131	4.6209
12	0.4233	32	1.1288	52	1.8342	92	3.2452	112	3.9507	132	4.6562
13	0.4586	33	1.1640	53	1.8695	93	3.2805	113	3.9860	133	4.6914
14	0.4938	34	1.1993	54	1.9048	94	3.3158	114	4.0212	134	4.7267
15	0.5291	35	1.2346	55	1.9401	95	3.3510	115	4.0565	135	4.7620
16	0.5644	36	1.2699	56	1.9753	96	3.3863	116	4.0918	136	4.7973
17	0.5997	37	1.3051	57	2.0106	97	3.4216	117	4.1271	137	4.8325
18	0.6349	38	1.3404	58	2.0459	98	3.4568	118	4.1623	138	4.8678
19	0.6702	39	1.3757	59	2.0812	99	3.4921	119	4.1976	139	4.9031
20	0.7055	40	1.4110	60	2.1164	100	3.5274	120	4.2329	140	4.9384

28.34952 grams = 1 ounce 453.5924 grams = 1 pound