



## REMOVABLE TIP NOZZLES

Huge savings over regular solid nozzles

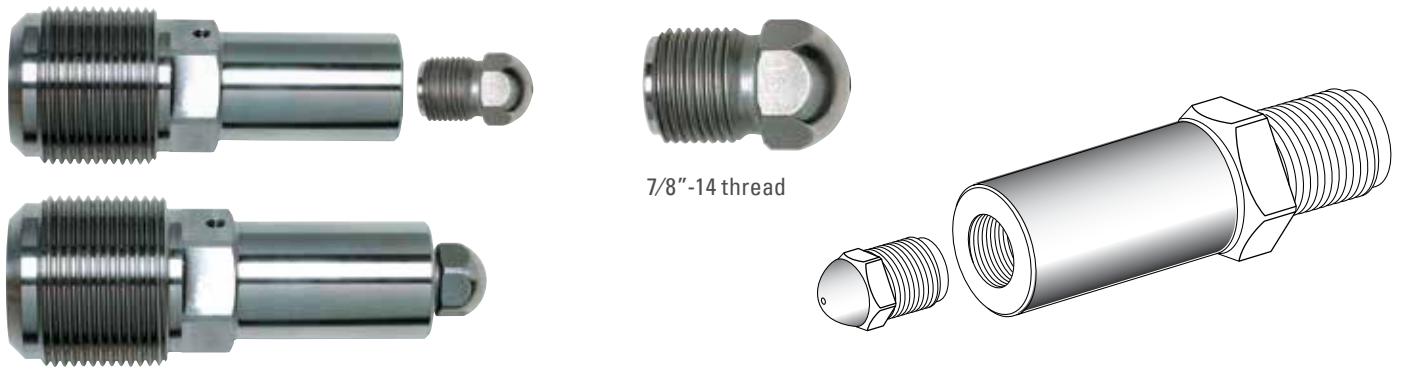
Precision machined on modern CNC equipment. Polished to a mirror finish for improved flow.

Replacement removable tip nozzles with rear thread machined to suit your machine and Industry standard 7/8"-14 front female thread to accept standard replacement tips. Use as direct replacement for solid one-piece nozzles, just replace the tip when worn or when changing mould.

Nozzles are available in any length and can be supplied with 4 lengths of removeable tip for recessed sprue applications.

# REMOVABLE TIP NOZZLES

Standard nozzles are manufactured to fit your machine and accept regular 7/8"-14 thread replacement nozzle tips.  
 Material: Hardened Chromium-Vanadium Tungsten Tool Steel  
 Hardness: 48/52 rc



**HOW TO ORDER NOZZLE TIP:**

1. Select Tip Type	2. Select Length	3. Select Radius	4. Select Orifice	
GP - General Purpose NRT - Nylon Reverse Taper ABS - ABS Taper	1 - 38mm 2 - 70mm 3 - 95mm 4 - 125mm	0 - Flat 5 - 12.5mm 6 - 15mm 7 - 19mm 8 - 35mm	I - 1.5mm J - 2.5mm K - 3mm L - 4mm	M - 5mm N - 6mm O - 8mm P - 9.5mm

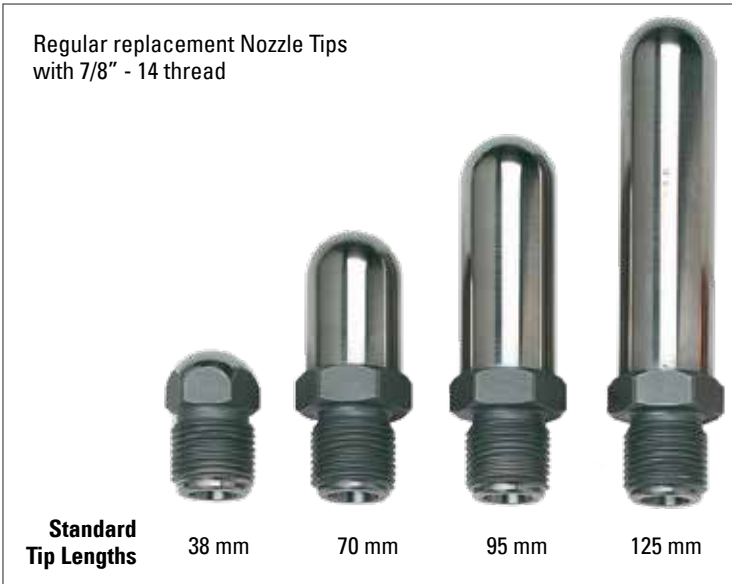
**Example: GP15K (GP / 1 / 5 / K)**

In the above example, the part number for a General Purpose tip, 38mm long, with 12.5mm radius and 3mm orifice is GP15K  
 1.5mm and 2.5mm orifice not available in NRT or ABS style tips.

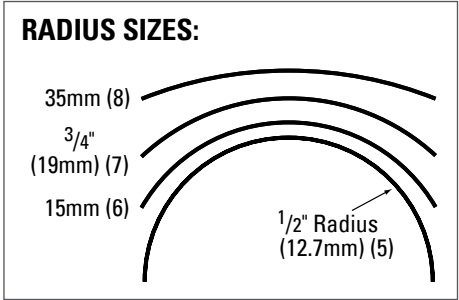
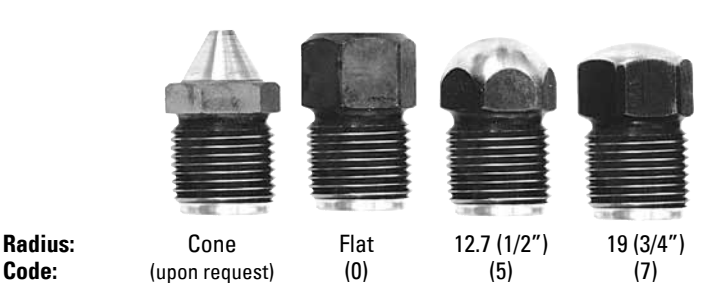
## TIP TYPE

AVAILABLE IN 3 INTERNAL STYLES, FOR USE WITH					Length (mm) (inc. Thread)	REF
<p><b>Style A</b> General purpose applications, a good, all-round flow path with smooth internal flow characteristics and minimal restriction to ensure minimum back-pressure.</p>			<p><b>General Purpose</b> General purpose internal design provides minimum flow resistance and back-pressure build-up. 1/2" flow path.</p>	<p>38 70 95 127</p>	<p><b>GP1</b> <b>GP2</b> <b>GP3</b> <b>GP4</b></p>	
<p><b>Style B</b> Nylon Reverse taper, provides antidrool reverse taper in tip to 'freeze' slug (due to expansion) at tip, enabling drool to be minimized.</p>			<p><b>Nylon Reverse Taper</b> For use with Polyamides, acrylics and similar expansive materials. Uses standard body with Nylon reverse taper tip.</p>	<p>38 70 95 127</p>	<p><b>NRT1</b> <b>NRT2</b> <b>NRT3</b> <b>NRT4</b></p>	
<p><b>Style C</b> ABS full taper, provides very smooth full taper design, both in the nozzle body, and continued through the tip. Minimises back pressure and ensures optimum performance, even with the most viscous materials.</p>			<p><b>Full Taper ABS</b> 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.</p>	<p>38 70 95 127</p>	<p><b>ABS1</b> n/a n/a n/a</p>	

**TIP LENGTH**



**TIP RADIUS**

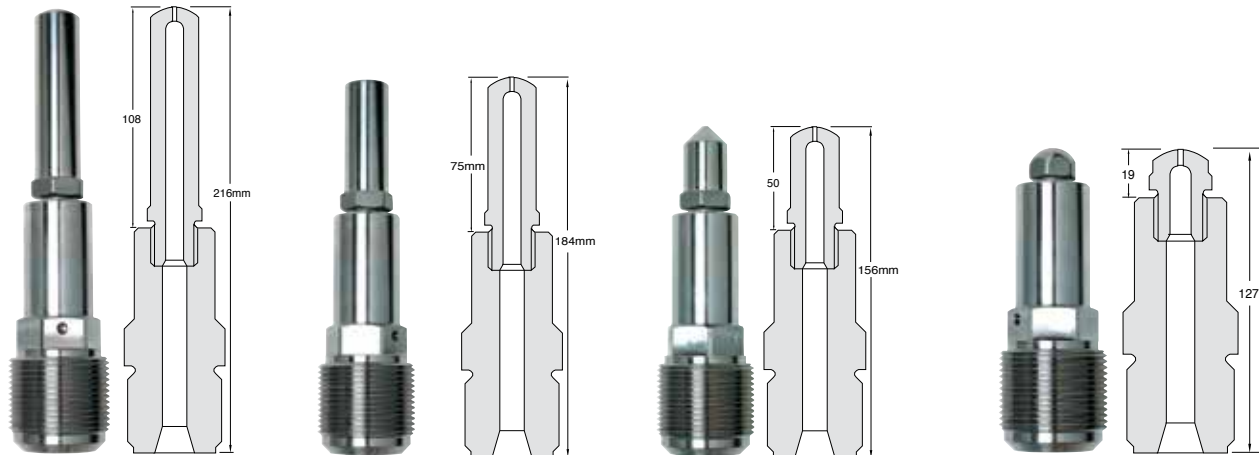


**TIP FRONT ORIFICE**

<b>Orifice (mm)</b>	1.5	2.5	3	4	5	6	8	9.5
<b>REF suffix</b>	I	J	K	L	M	N	O	P

Note: 1.5 & 2.5mm orifice only available in GP tip.  
 Not available in NT or ABS

**OVERALL LENGTH**



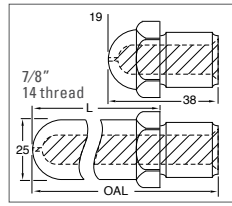
# NOZZLE TIPS



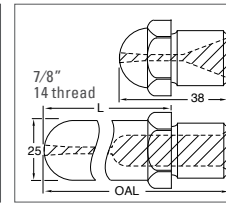
## Nozzle Tips

- 48/52 rc Hardened chrome vanadium tungsten tool steel.
- 7/8"-14 thread for use in all regular removable tip nozzles.
- Available with any combination or radius and orifice.
- Available in nickel copper for improved heat transfer.

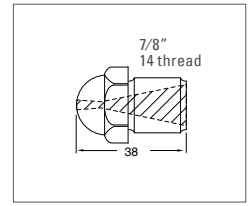
### General Purpose (GP)



### Nylon Reverse Taper (NRT)



### Full Taper (ABS)



General Purpose	Nylon Reverse Taper	Nickel Copper	Dimensions		
			L	OAL	Heater
GP1	NRT1	BGP1	19	38	-
GP2	NRT2	BGP2	50	70	25x25
GP3	NRT3	BGP3	75	95	25x50
GP4	NRT4	BGP4	108	127	25x75

ABS FULL TAPER TIP AVAILABLE **ABS1**



### Copper Nickel Tips

Provide very high levels of heat transfer and are ideal for use in applications that require heat right at the tip, particularly where the application prevents the use of a heater band at the tip.

**AVAILABLE UPON REQUEST**

## Nozzle Bodies for removable tips

- Nozzle body with thread to suit your machine. 1 1/2" body diameter accepts standard heater bands and 7/8"-14 female thread at front to accept removable nozzle tips.
- Pre heat-treated steel machined to suit the thread of your machine and accept standard low-cost replacement tips. Any size or specification made to your requirements



## Find your machine thread below for part number:

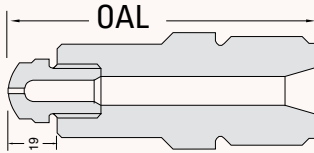
	Thread	R/O	Part no.	Machine model / comments
-	1"-11 BSP	16mm	<b>AY</b>	V36-150
<b>ANKERWERKE</b>	45/2	31mm	<b>ACD</b>	
	55/3	19mm	<b>WL</b>	
		32mm	<b>AZ</b>	
		36mm	<b>AO</b>	
	<b>ARBURG</b>	24/1.5	10mm	<b>ASSA2</b>
24/1.5		10mm	<b>AW</b>	24/1.5mm R/H 10mm R/O
24/1.5 R/H		1/2" (or 10mm)	<b>AX</b>	80
24/1.5 R/H		8mm		80 See details for Solid Tips
30/1.5		24mm	<b>AM</b>	
35/1.5		18mm	<b>AS</b>	
35/2 (LH)		18mm	<b>ACB</b>	
36/2 RH		12mm	<b>ACD</b>	200T
36/2			<b>ASN1</b>	Arburg Nozzle Adaptor M36 x 2
36/2 LH		22mm	<b>ACCL</b>	L/H Thread
36/2 RH		22mm	<b>ACC</b>	
45/1.5		30mm	<b>ACG</b>	
45/1.5 (LH + RH)		22mm	<b>AC</b>	35
45/1.5 LH		25mm & 30mm	<b>AH</b>	
45/2		18mm	<b>ACF</b>	
45/2 L/H		20mm	<b>ACH</b>	
45/2 L/H		22mm	<b>AB</b>	
45/2 L/H		25mm	<b>AD</b>	Confirm relief dia 41 or 42
45/2 L/H		30mm	<b>AE</b>	
50/2 L/H		35mm	<b>AG</b>	
50/2 LH + RH		30mm	<b>AV</b>	
52/2		30mm	<b>AQ</b>	
52/2		35mm	<b>ACE</b>	
52/2 L/H		15mm	<b>AZZ</b>	
55/2 L/H		30mm	<b>AN</b>	
55/2 L/H		40mm	<b>AI</b>	
55/2 L/H	40mm	<b>AIG</b>	8mm relief 100T 420C golden end	
60/2 L/H	45mm	<b>AL</b>		
-	<b>AUSTIN ALLEN</b> 42/1.5 Female	25mm	<b>AT</b>	Midge

### Call for Arburg tips & Adaptors



## HOW TO ORDER

### Nozzle Length



Order total nozzle length (OAL as shown above, including rear thread and tip). Use part number suffix.

OAL mm	Part no. suffix
76	3
102	4
127	5
152	6
178	7
203	8
229	9
254	10
279	11
305	12

### Example:

**BATTENFELD 45/2, 127mm OAL: part no: BE5**

### Options and Spares

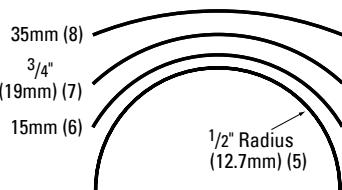
1. Thermocouple Hole included
2. Call for Thermocouples

### How to order:

1. Specify Model and Style
2. Specify orifice from table above and radius

All nozzles are drilled and tapped to accept standard thermocouple

### TIP RADIUS AND ORIFICE

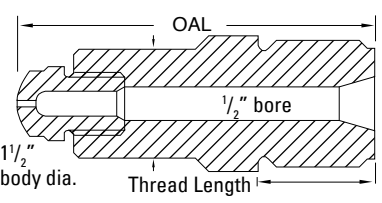


Orifice (mm)	1.5	2.5	3	4	5	6	8	9.5
REF suffix	I	J	K	L	M	N	O	P

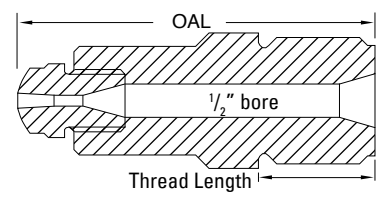
Note: 1.5 & 2.5mm orifice only available in GP tip. Not available in NT or ABS

	Thread	R/O	Part no.	Machine model / comments
AUTOJECTOR	1.5"-12	1"	AU	
		3/4"	AF	
	1.75"-12	1 1/4"	AK	
	2.25"-12	1 3/4"	AJ	
	2"-12	1 1/2"	AP	
	35/1.5mm	16mm	AZJ	was AZZ
BARDET DASSET	60/3	50	BDA	
BATTENFELD	32/2mm	21mm	GO	50/20, BSK 170/60, 750/300
		1/2"	BT	confirm T/L
		12mm	BTG	
		18, 22, 25mm	BTE	350, Plus 250/50 confirm T/L
		20mm	BM	
		21mm	BG	100, 160, 225, 300, 50/20
		21mm	GP	50, 300, 75HK, BSKM100, BA500, BA750, BA46, 170, BK850, 300, BA950/300
		22mm	BE	650/300 Plus 250
		25mm	GM	BA230, Plus 250, BSKM45/20, 15HK
		40/2	1/2"	BP
	18mm		BTK	PLUS 350
	21mm		BYY	
	25mm		BB	BSKM400, 350, 525, 25HK, 800/2205, 800/2500, BA1600/630
	40/2 T/L 24	30mm	BU	BSKM 30-50, Plus 350
	40/2 T/L 29	30mm	BTJ	
	44/3	23mm	BTI	
		25mm	BLC	750/210
	45/2	34mm	BX	
		35mm	BN	BSKM 30-50
	48/3TR	30mm	BTH	
	50/2	1/2"	BTD	
	50/2	26mm	BTC	
	65/3	2"	BL	
65/3TR or M65/3	48mm	BTL	BSKM 750, 1200, 1500, 5000	
BELOIT	1 1/4"-12	3/4"	BS	Up to 1 3/4" Screw
	1 3/4"-8	3/4"	PMS	2 1/8" Screw & Larger
BILLION	24/2	8mm	BJN	
		14mm	BJL	
		20mm	BJK	
	30/2	21mm	BJC	140T
		27mm	BJB	
	35/1.5			
	36/2 taper seat	1/2" or 10mm	BJE	H1300/2000
	40/2	20mm	BJX	H1295/300TP
		20mm	SNA	SN6A
	50/2	36mm	BJD	
	50/3	15mm	BJJ	
	56/3	40mm	BJM	
	60/3	25mm	BJP	
62/2.5	23mm	BJF		
65/3	25mm	BJG		
	40mm	BJH		
BIPEL	1" BSP	11/16"	BQB	
	2 1/4"-8 BSW	7/8"	BK	400 & 500
	3/4"-14 BSP	5/8"	BQ	27/17 30/32, 70/17 70/31, 130/25 155/50
BM BIRAGHI	30/2	1/2" OR 10mm	BNB	250, 300 Sintesi
		32mm	BMB	450/600, 5500/600
	60/3	13mm	BNC	650T
		28mm	BMC	65
		37mm	BND	

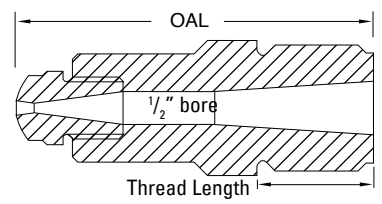
	Thread	R/O	Part no.	Machine model / comments	
<b>BORCHE</b>	36/3	16mm	<b>BOA</b>	150	
		19mm	<b>BOB</b>		
		29mm	<b>BOC</b>		
		20mm	<b>BOD</b>	BT320V	
		25mm	<b>BOE</b>		
<b>BOY</b>	1/2"			Tip call for details	
		1/2" (8mm)	<b>BBD</b>		
		14mm	<b>BD</b>	15, 22, 30	
		14mm	<b>BBE</b>		
		14mm	<b>BBC</b>	25M	
		22mm	<b>AW</b>	22mm R/O, 23mm T/L	
		22mm	<b>AW</b>		
		16mm	<b>BY</b>	50-80	
		22mm	<b>BW</b>	50	
<b>BUHLER</b>	1 1/2"-11 BSP	28mm	<b>BH</b>	ROVER 160A 800	
		30mm	<b>BI</b>		
		32mm	<b>BO</b>		
		32mm	<b>BIB</b>	45 deg taper seat	
		23mm	<b>BF</b>	ROVER 100B	
		32mm	<b>BV</b>	ROVER 63	
		45mm	<b>BIC</b>		
		20/3	1/2" (10mm)	<b>BTB</b>	A
<b>BUTLER SMITH</b>	2 3/16"-8	25mm	<b>CM</b>		
		20mm	<b>CG</b>		
<b>CHEN HSONG</b> (many nozzles same as Toshiba)	36/3	16mm	<b>CI</b>		
		16mm	<b>CIA</b>		
		24mm	<b>CIB</b>		
		40mm	<b>TPJ</b>	800	
<b>CINCINATTI</b>	1 1/2"-12	1/2"	<b>CO</b>	1978 and older	
			<b>CB</b>		
		3/4"	<b>CD</b>		
		3/4"	<b>PMS</b>	1979 and newer	
		16mm	<b>CU</b>	ACT	
		18mm	<b>CC</b>		
<b>DEMAG</b>	24/1.5	1/2" (8mm)	<b>DND</b>		
		9mm	<b>DKA</b>	DK 24/1.5 9mm R/O	
			<b>DNDS1</b>	DEMAG 24/1.5 110 OAL	
		18mm	<b>DNF</b>	NC4	
		20mm	<b>DL</b>	D55 1992	
		27mm	<b>DNB</b>		
		14mm	<b>DNJ</b>	ET25	
		27mm	<b>DD</b>		
		1/2" (8mm)	<b>DO</b>	ErgoTec available as solid tip	
		30mm	<b>DE</b>		
		30mm	<b>DNE</b>		
		25mm	<b>DB</b>	525	
		25mm	<b>DJ</b>	NG111	
		25mm	<b>DNC</b>	New Pro	
		25mm	<b>DNG</b>		
		30mm	<b>DC</b>	240 - 165/F	
		31mm	<b>DH</b>		
		60/3	25mm	<b>DN</b>	Ergotec ET200-840, 175 D150, D210 D250, NC111, NCL
			26mm	<b>DZ</b>	150-610
			31mm	<b>DG</b>	
32mm	<b>DM</b>				
40mm	<b>DK</b>		D360 390 NC111		
<b>DEMATTIA</b>	2"-12	1"	<b>DF</b>		
<b>DESMA</b>	36/1.5	16mm	<b>DI</b>		



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

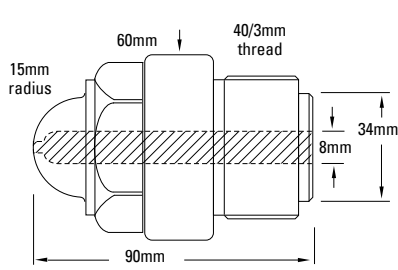


**Nylon Reverse Taper Style B**  
For use with Polyamides, acrylics and similar expansive materials. Uses standard body with Nylon reverse taper tip.




**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.


**DEMAG Solid nozzle tips**  
For ErgoTech Machines



**D090**



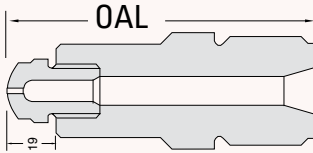
**DNDS50**



**DNDS73**

## HOW TO ORDER

### Nozzle Length



Order total nozzle length (OAL as shown above, including rear thread and tip). Use part number suffix.

OAL mm	Part no. suffix
76	3
102	4
127	5
152	6
178	7
203	8
229	9
254	10
279	11
305	12

### Example:

ENGEL 45/3, 127mm OAL: part no: **EE5**

### Options and Spares

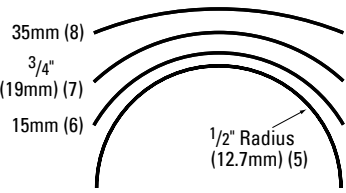
1. Thermocouple Hole included
2. Call for Thermocouples

### How to order:

1. Specify Model and Style
2. Specify orifice from table above and radius

All nozzles are drilled and tapped to accept standard thermocouple

### TIP RADIUS AND ORIFICE

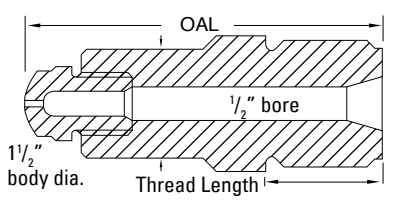


Orifice (mm)	1.5	2.5	3	4	5	6	8	9.5
REF suffix	I	J	K	L	M	N	O	P

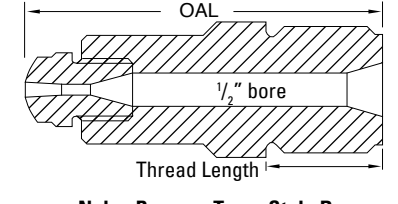
Note: 1.5 & 2.5mm orifice only available in GP tip. Not available in NT or ABS

	Thread	R/O	Part no.	Machine model / comments	
DK	24/1.5	12mm	DKB	290-410	
		9mm	DKA	75-100, 125-200	
	30/2	12mm	DKC	400-600, 675-1000	
		14mm	DKD		
		20mm	DKF		
	40/2	16mm	DKE	1600	
		30mm	DKG		
	44/2	33mm	DKH	(R/O also 33.5)	
	EDGWICK	1 3/4"-8	1 1/16"	EQ	1214HY
			1 1/2"	ES	45S
3/4"			EG	45F	
ENGEL	0 1/4"-10	12.7mm	EOL		
	1 1/4" BSF	27mm	EF	7A	
	1 1/4"-10	18mm	EOE		
	1 1/4"-9 BSF	7/8"	EW		
	1 3/4-8	3/4"	PMS		
	1 3/8" whiworh	21.5mm	EON	25T/35T	
	25/3	20mm	EYE	90	
	28-1.5	12mm	EUA2	28/1.5 12 R/O ENGEL ADAP-TOR	
			EU	200/50, 450/150, 150/40	
	30/2	10mm	EOO		
	32/1.5	20mm	EZ		
	32/2.5	20mm	ET		
	35/2	16mm	EB	ES50	
		22mm	EOH		
	36/1.5	22mm	EN	40/17	
			EJ	100T, ES300 100	
	40/2	24mm	EK	50/75	
			EI	90	
			EOC	60/75 TON	
			EOB		
	40/3	30mm	EV		
			EM		
	45/2	25mm	EOF		
			EP	90/50	
			EE	WS1300, 200-250, 650-1050, 740-940, 1340, 1350	
	45/3	20mm	ED	90	
			EO	350/150	
			EOG		
			EL		
	55/3	32mm	EC	ES 750/250	
EX			ES2000/350N		
60/2	35mm	EH			
64/2	42mm	EZ	650T		
64/4	42mm	EOQ	ES4550/700		
98/6	50mm	EOP	16050/23050, 35050/55050		
7/8"-14	1/2" (11mm)	EOD			
ESACO	30/2	22MM	EZZ		
FAHR BUCHER	30/1.5	1/2" (11mm)	FD		
		20mm	FF		
	52/1.5	38mm	FC		
	55/3	32mm	FCC		
	62-8 TPI	45mm	BVD		
FANUC	85/2	70mm	FCB	SGA275	
		24/2	13mm	FANA	
36/4	16mm	FANB			
FERROMATIK	48/2	25mm	KMG	48/2 25 RO"	
FORTUNE	1 1/4-12 UNF	15mm	FE		
		23mm	FOA	Victor	
		26mm	FH	VA250 Victor	

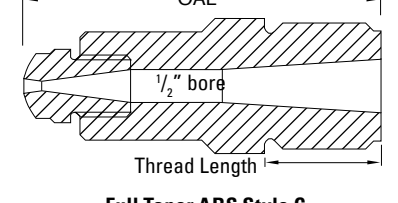
	Thread	R/O	Part no.	Machine model / comments
FU CHEN SHINE	1 1/4"-10	1/2" (12mm)	FT	
	2 3/8"-8	36mm	FG	
GOLDSTAR	1 1/2"-12	15mm	TP	IDE 150EN
		20mm	GT	
	1 1/8"-12	1/2" (11mm)	GTB	
	40/3	20mm	GU	
HAITIAN	30/2	12	HAD	MA600 II
	39/1.5	24	HAB	MA2500/1000eco
	39/2	18	HAC	
		24	HAE	
	45/4	20	HAA	MARS5300
HUSKY	1 3/4"-8	1"	HT	
	1 5/8"-6F	1 1/8"	HD	
	30/2	1/2"	HLD	160XL
	36/2	7/8"	HO	
	45/3	16mm	HL	52T/L
		16mm	HLL	54T/L
		22mm	HJ	
	64/4	16mm	HP	
	72/4	16mm	HZ	
ITALTEC	1 5/6"-12	13mm	IU	
JOSEPH KRAUSS (SEE ALSO KRAUSS MAFFEL)	35/2	23mm	JLB	
	58/3	39mm	JL	
	68/3	50mm	JM	KHS120E
JSW/MARGARIT	30/2	1/2" (7.5mm)	JTC	350T
	44/3	20mm	JF	
	45/3	26mm	JC	28T
	50/3	1/2" (10mm)	JB	
	50/3 26mm Pilot	15mm	JX	
	50/3 Short Pilot	15mm	JD	
	55/3	1/2"	JH	
		1/2" (8mm)	JG	
		20mm	JE	
KAWAGUCHI	1 1/4"-12	22mm	KL	80Ton
		24mm	KI	Other newer machines
	1 3/4"-8	22mm	KXD	
		24mm	KD	1972 & newer
		30mm	KXE	
	1"-12	16mm	KU	KC45
	26/1.5	1/2" (7mm)	KP	K45E
	30/3.5	12mm	KB	JEKS 70/older pre '72
	36/2	23mm	TZ	
	38/3	14mm	KX	JEKS 120-645, Older
	45/3	14mm	KXC	
		16mm	KH	
50/3	18mm	KXB		
KLOCKNER	1"-11 BSP	24mm	KME	
	30/1.5	1/2"	KMC	110T
		1/2"		available as solid tip
		8mm		available as solid tip
		9mm		available as solid tip
	48/2	25mm	KMG	
		30mm	KMB	
	48/3	32mm	KMI	Klockner Milacron
	56/2	28mm		
58/3	35mm	KY		



**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.

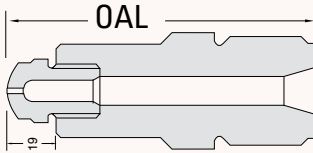


**KLOCKNER TIPS.**  
see tip listing



## HOW TO ORDER

### Nozzle Length



Order total nozzle length (OAL as shown above, including rear thread and tip). Use part number suffix.

OAL mm	Part no. suffix
76	3
102	4
127	5
152	6
178	7
203	8
229	9
254	10
279	11
305	12

### Example:

**KRAUSS MAFFEI 55/3, 127mm OAL: part no: KN5**

### Options and Spares

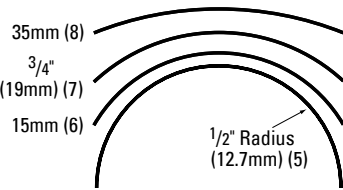
1. Thermocouple Hole included
2. Call for Thermocouples

### How to order:

1. Specify Model and Style
2. Specify orifice from table above and radius

All nozzles are drilled and tapped to accept standard thermocouple

### TIP RADIUS AND ORIFICE



Orifice (mm)	1.5	2.5	3	4	5	6	8	9.5
REF suffix	I	J	K	L	M	N	O	P

Note: 1.5 & 2.5mm orifice only available in GP tip. Not available in NT or ABS

	Thread	R/O	Part no.	Machine model / comments
	1 1/4"-12	3/4"	<b>BSL</b>	
	1 3/4"-8	19mm	<b>SN</b>	
	1" BSW	1/2"	<b>KNB</b>	
	30/2	1/2" (8mm)	<b>KNM</b>	
		6mm	<b>KNS</b>	30T
	35/2	19.5 mm	<b>KK</b>	KH160
	36/1.5	1/2"	<b>KT</b>	14/15T
		20mm	<b>KC</b>	
	36/2	1/2"	<b>KNN</b>	
	40/3	20mm	<b>KM</b>	225
		16, 18mm	<b>KJ</b>	KM500, 4350B, 800, 5600
x	45/2	18mm	<b>KNQ</b>	
		20mm	<b>KND</b>	KM350, 1650B
	45/3	26mm	<b>KNF</b>	KM265
x	48/3 Female	12mm	<b>KE</b>	KM150, 250, KM90 340B
	48/3 Male	32mm	<b>KNL</b>	KM65/220/C2
	55/2	27mm	<b>KNE</b>	
	55/3	33mm	<b>KN</b>	
	58/3	45mm	<b>KNI</b>	KHS80
	64/3 Female	1/2" (12mm)	<b>KF</b>	
	65/3	50mm	<b>KNK</b>	KHS120
	68/3	50mm	<b>JM</b>	KHS120E
	70/3 Female	20mm	<b>KG</b>	
	85/3	50mm	<b>KNC</b>	
	85/4	60mm	<b>KNJ</b>	KHS160
	90/3 Female	17mm	<b>KNT</b>	
-	1 1/4"-7	17mm	<b>KTU</b>	
-	36/1.5	28mm	<b>KSB</b>	
-	36/2	26mm	<b>KSC</b>	135
-	50/2	35mm	<b>KQ</b>	350, 550
-	30/1.5	19mm	<b>KV</b>	250/100
-	42/1.5	31mm	<b>KZ</b>	800/250
-	56/2	46mm	<b>KW</b>	260/100
-	1 1/4" BSP1	20mm	<b>LF</b>	
	1/4" BSP/BSF	15mm	<b>MD</b>	
	35/2	18mm	<b>MFI</b>	Penta 35/30
	35/2	22mm	<b>MQ</b>	Penta 35/30
	40/2 Taper seta	30mm	<b>MT</b>	65TSR, 4SR
	44/2	32mm	<b>MI</b>	65TSR Series, 4SR, 10SR
	44/2 Taper seat	35mm	<b>MFL</b>	65TSR Series, 4SR, 10SR
	45/2 Taper seat	35mm	<b>MN</b>	
	48/2 Taper seat	27mm	<b>MFJ</b>	Penta
	48/2 Taper seat	34mm	<b>MFK</b>	Penta
	48/2 Taper seat	38mm	<b>MZ</b>	Penta
	48/2 Taper seat	40mm	<b>MFM</b>	65T 10SR
	50/3	35mm	<b>MFG</b>	MODULA 100 screw sizes 28, 32, 36, 40, 45, 50, 55, 60, 65, 75
	52/2 Taper seat	45mm	<b>MFO</b>	10SR (34 T/L Taper Seat)
	52/2 Taper seat	45mm	<b>MFC</b>	14SR (50 T/L Taper Seat)
	52/2 50T/L	40mm	<b>MFN</b>	14SR
	55/2 Taper seat	44mm	<b>MU</b>	SR Series
	58/2 Taper seta	50mm	<b>MK</b>	14SR
	58/3	45mm	<b>ML</b>	SR series 265/500
	60/2.5 Taper seat	42mm	<b>MB</b>	Penta 95/250 (Taper Seat)
	64/2.5	44mm	<b>MG</b>	110
	65/2.5 Flat seat	45mm	<b>MFB</b>	
	65/2.5 Taper seat	48mm	<b>MO</b>	Penta 110 (Taper Seat)
	70/3	24mm	<b>MH</b>	265/500
	70/3 Taper seat	50, 54, 55, 60	<b>MFF</b>	180SR 400/1200 (Taper Seat)
	70/3 Taper seat	56mm	<b>MFD</b>	270/870 Pentatron
	80/3 Taper seat	65mm	<b>MFE</b>	Penta
	90/3 Taper seat	70mm	<b>MFH</b>	SR Series
	95/3 Taper seat	76mm	<b>MC</b>	Penta

	Thread	R/O	Part no.	Machine model / comments
<b>MIR</b>	1 1/4"-11 BSP	1/2"	<b>MX</b>	
		24mm	<b>MSB</b>	
		3/4"	<b>MSE</b>	
		30mm	<b>MJ</b>	
	1 3/4" BSP	30mm	<b>MVZ</b>	
	36/1.5	25mm	<b>MV</b>	
	60/2.5	30mm	<b>MSF</b>	
	80/3	55mm	<b>MSC</b>	
		60mm	<b>MY</b>	
<b>MITSUBISHI</b>	1 1/2"-12	15mm	<b>MJB</b>	
		24mm	<b>MJD</b>	
	2 1/4"-8 Female	24mm	<b>MJF</b>	850MG
	40/2	15mm	<b>MJC</b>	
		24mm	<b>MJE</b>	550MG
<b>MONZA</b>	60/3	45mm	<b>MZZ</b>	
<b>NEGRI BOSSI</b>	30/1.5 or 16TPI	19mm	<b>NZZ</b>	V17-110
	30/1.5 or 16TPI Taper seat	19mm	<b>NZZU</b>	V17-110 Taper seat
	30/2	13mm	<b>NZZY</b>	VS430
	35/1.5	16mm	<b>NHB</b>	
	40/2	20mm	<b>NXB</b>	25/40
		28mm	<b>NL</b>	V22/175FA, 190, 210, 250TEC
		22mm	<b>NHL</b>	V2-18FA
		27mm	<b>NP</b>	
	48/2	19mm	<b>NGZ</b>	
		25mm	<b>NHM</b>	40T
		28mm	<b>NM</b>	25, 40
	52/2.5	28mm	<b>GC</b>	60T
	52/3	19mm	<b>NHD</b>	60T
	58/2	30mm	<b>NHY</b>	100TEC
		35mm	<b>NY</b>	60T
	58/3	30mm	<b>NHF</b>	NB80
		32mm	<b>NHN</b>	NB62, V55, V70, EOS70-180
		35mm	<b>NHBZ</b>	V55
		38mm	<b>NH</b>	NB62, V7 9FA
	64/2	35mm	<b>NHT</b>	100, 150TEC
		38mm	<b>NV</b>	90T
		40mm	<b>NHU</b>	100, 150TEC
		45mm	<b>NHJ</b>	150TEC
	64/2 T/L 55	34mm	<b>NE</b>	345, 360
	64/2 Taper seat	38mm	<b>NVU</b>	90T
	64/3 (57 T/L)	35mm	<b>NHZ</b>	100, 80, 80SV, ELEOS80-120
	64/3 (45 T/L)	35mm	<b>NEO</b>	EOS70-180
	64/3	40mm	<b>NHO</b>	80, 80SV, 100, V110 NB150TEC, ELEOS80-120
		42mm	<b>NHC</b>	210, 270, 400, 480, 520, 530, 550, 600, 650, 700, 720, 800, 950
		45mm	<b>NF</b>	NB150TEC
	64/3 61 T/L	45mm	<b>NEL</b>	80SV, V160
	64/3 T/L 41	34mm	<b>NK</b>	210SV, B330, 300T, 250, 260, 150TEC, 300TEC 350, 80, 400
	64/3 T/L 60	34mm	<b>NKL</b>	250SV, 300, 400, 400TEC
	64/3 Taper seat	35mm	<b>NKU</b>	NB260, NB350
		42mm	<b>NHCU</b>	NB700
		45mm	<b>NFU</b>	
	64x3	45mm	<b>NFV</b>	64X3, 45mm R/O 57thd length
	68/3	45mm	<b>NHK</b>	
		38mm	<b>NHE</b>	
	70/2	45mm	<b>SJ</b>	
	70/3 Taper seat	45mm	<b>SJU</b>	
	70/3	40mm	<b>NHV</b>	100SV, 150, 210TEC
		52mm	<b>NHW</b>	100SV, 150, 150SV, 210TEC
		55 (check)	<b>NIU</b>	NB 150T 1990 Flat seat 45 T/L
	70/3 63 T/L	45mm	<b>NHH</b>	100SV, 150, 150SV, 210TEC
	72/3 Taper seat	50, 55mm	<b>NHP</b>	V30-50
	74/2	55mm	<b>NHG</b>	NB130
82/3 Taper seat	60, 70mm	<b>NHQ</b>	V30-50, V50-80	
85/3	40mm	<b>NHXA</b>	VE850	
	60mm	<b>NHX</b>	150SV	
98/3 Taper seat	85mm	<b>NHS</b>	V80	

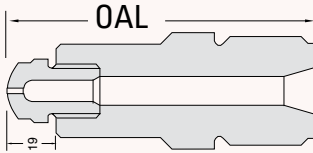
**General Purpose Style A**  
General purpose internal design provides minimum flow resistance and back-pressure build-up. 1/2" flow path.

**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.

## HOW TO ORDER

### Nozzle Length



Order total nozzle length (OAL as shown above, including rear thread and tip). Use part number suffix.

OAL mm	Part no. suffix
76	3
102	4
127	5
152	6
178	7
203	8
229	9
254	10
279	11
305	12

### Example:

**NISSEL 50/2, 154mm OAL: REF: NJC10**

### Options and Spares

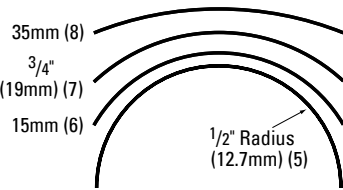
1. Thermocouple Hole included
2. Call for Thermocouples

### How to order:

1. Specify Model and Style
2. Specify orifice from table above and radius

All nozzles are drilled and tapped to accept standard thermocouple

### TIP RADIUS AND ORIFICE



Orifice (mm)	1.5	2.5	3	4	5	6	8	9.5
REF suffix	I	J	K	L	M	N	O	P

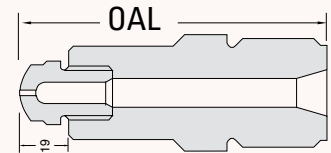
Note: 1.5 & 2.5mm orifice only available in GP tip. Not available in NT or ABS

	Thread	R/O	Part no.	Machine model / comments	
NETSTAL	1 1/4"-12	19mm	NZ		
	1/2" BSP	6mm		Nozzle tip - call for details	
	48/3	13mm	NFT		
		29mm	NO	75	
		32mm	NU	140, 75	
	56/3	32mm	NOZ	150, 300, 140T 83	
42mm		NFE	140, 150, 300 Upsized barrel		
-	40/3	12mm	NUB		
-		30mm	NUC		
-		36mm	NUD		
NISSEL	20/1.5	1/2" (8mm)	NJT	2A, 5A also available as solid tip	
	35/2 24mm T/L	20mm	NT		
	35/2 30mm T/L	20mm	NJB	FS 150	
	40/2 (T/L 30 or 49)	20mm	NG	9A, 12A, 18A	
	40/2	30mm	IC	9A, 12A, 18A, 25A, 36A	
		25mm	NJC	50A, 71A, 100A, FS250	
	50/2	26mm	NJ	50A, 71A, 100A	
		30mm	ND	140A, 200A	
	-	60/2	30mm	ND	140A, 200A
	-	80/2	40mm	IT	280A, 420A
OIMA	1 3/4BSF	20mm		REMU / OIMA	
	42/3	30mm	OB	3300/360SX	
		38mm	OC	85HX	
		45mm	OF		
		50mm	OG		
		52mm	OD		
		52mm	OE	Endcap with 42/3 female front thread	
PECO	1 1/8"-9BSF	3/4"	PE		
	1 7/8"BSW	1 3/8"	PD	35MR	
	2 1/2"BSF	2"	PC		
	48/2.5	38mm	PF	40/50	
	80/3	62mm	PG		
PLASTIJET	42/2	30mm	PJ	50/25	
	50/1.5	35mm	PB		
REIFENHAUSER	2"-8	33mm	RG		
	36/1.5	28mm	KS		
ROMI	45/3	30mm	RJ		
SANDRETTO	1 1/8"-9 BSF	1/2"	SI	650	
	1 3/4"-8	19mm	SZZ		
	105/4	80mm	SHH	S8 1000	
	40/3	30mm	SM		
	48/2	14mm	SBR		
		20mm	SBJ		
		24mm	SBK	Micro 24mm Screw	
		36mm	SBS	Series 6 taper seat	
		30mm	SY	New series 8	
		25mm	SBT	600T	
		48/3	32mm	SBM	Micro 32mm screw
	35mm		SQ	New series 8	
	36mm		SBI	Micro 36mm screw	
	28mm		SBH	Micro 28mm screw	
	32mm		SBG	Micro 32 full spear 8 deg RO	
	33mm		SR	Series 9	
	50/3 Taper		35mm	SK	135T 95B Series 7 170T
	50/4	33mm	SG	170T	
		35mm	SBF	2GV50	
	55/3	40mm	SPN	Series 7 7GV 60/200 taper seat	
	55/4	35mm	SRR	Series 6	
	65/3	45mm	SBL	Series 7	
		50mm	SBN	Series 7 135	
	70/4	55mm	SD		
	76/3	60mm	SBD	was SZZ	
	85/3	55mm	SBP	Mega	
		60mm	SBB	S8	
70mm		SBC	S7		
85/4	70mm	SH			

	Thread	R/O	Part no.	Machine model / comments
SHINWA SEIKI	1 1/2"-12	13mm	ST	
		3/8"	SID	
	1 1/4"-12	8mm	SIC	
	1 3/4"-8	19mm	SIB	
	36/3	10mm	SX	
16mm		CI	36x3, 16mm R/O	
STORK REED	45/3	19mm	SU	
	48/3	24mm	SUB	100TD 50
STUBBE	1 1/2"-8	27mm	SB	DS55, SKM51
	1 3/4"-8	1.3"	LS	DS100, 141, 150, 200, 300
	35/1.5	27mm	SC	S65/100, S150/235
	40/3	30mm	SF	SKM51, 76, 141/155, S160
	50/2	36mm	SV	SKM250, 400/250 1.25"/T/L or 2.06"/T/L
SUMITOMO	24/2	13.8mm	SVD	Promat 230-120
	39/2	10mm	SVC	
	42/2	28mm	SVE	
	48/2	12mm	SZ	C360, 450, C560, C900, C1250
		32mm	SW	
	56/3	28mm	SVF	
		32mm	SVG	SE100DUZ
	68/3	25mm	SVB	350
51mm		SBE		
SUNGCHUAN	28/2.5	16mm	SO	
TOSHIBA	1 1/2"-12	15mm	TP	Up to 390 Ton
		3/4"	PMS	Newer machines
	3 1/4"-8	52mm	TT	500T & up
		55mm	TK	
	36/1.5	10mm	TZZ	EN150 170T
	38/1.5	15mm	TI	IS60B also available as solid tip
		28mm	TE	Model ISP40
	48/1.5	28mm	TF	50 Ton
		32mm	TH	
		36mm	TPB	
		40mm	TOK	
	60/4	20mm	TPK	151300DE, 156500DE, 15450E
		25mm	TPD	
40mm		TPJ		
52mm		TPC		
80/4		20mm	TPK	151300DE, 156500DE, 15450E
	25mm	TPD		
	40mm	TPJ		
	52mm	TPC		
	TOYO	36/2	1/2" (10mm)	TZB
23mm			TL	145,200
42/3		24mm	TM	35
50/3		26mm	TX	275, 330, 385
65/4		32mm	TN	55
	40mm	TW	90	
TURNER	1 3/4" BSP	1"	TO	CTA 80
	60/2	48mm	TG	4oz T.G. 1979
	72/2	60mm	TVB	CTA220
UNITEK	35/2	19mm	UB	
	38-8	22mm	UC	
VANDORN	1 1/4"-12	3/4"	BS	Under 200 Ton
	1 3/4"-8	1 1/4"	VS	200 Ton & larger
	1.75"-8	32mm	VS	Generic 1 3/4"-8, 3/4" r/o
	2 1/4"-8	41mm	VO	
	2"-8	38mm	VE	
WINDSOR	1"-11 BSP	1/2"	WFA	
		16mm	WJ	SP350
		21mm	WB	SP26
		24mm	WC	
		1/2" (10mm)	WD	
	1/2" (10mm)	WO	80T	
	40/2	20mm	WI	
		29mm	WG	
	52/3	1/2"	WH	
		16mm	WS	
40mm		WE	W15	

## HOW TO ORDER

### Nozzle Length



Order total nozzle length (OAL as shown above, including rear thread and tip). Use part number suffix.

OAL mm	Part no. suffix
76	3
102	4
127	5
152	6
178	7
203	8
229	9
254	10
279	11
305	12

### Example:

SUMITOMO 68/3, 127mm OAL: REF: **SVB5**

### Options and Spares

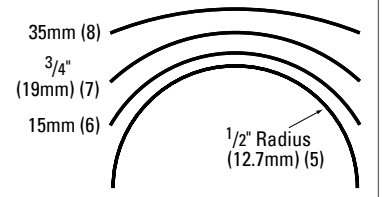
1. Thermocouple Hole included
2. Call for Thermocouples

### How to order:

1. Specify Model and Style
2. Specify orifice from table above and radius

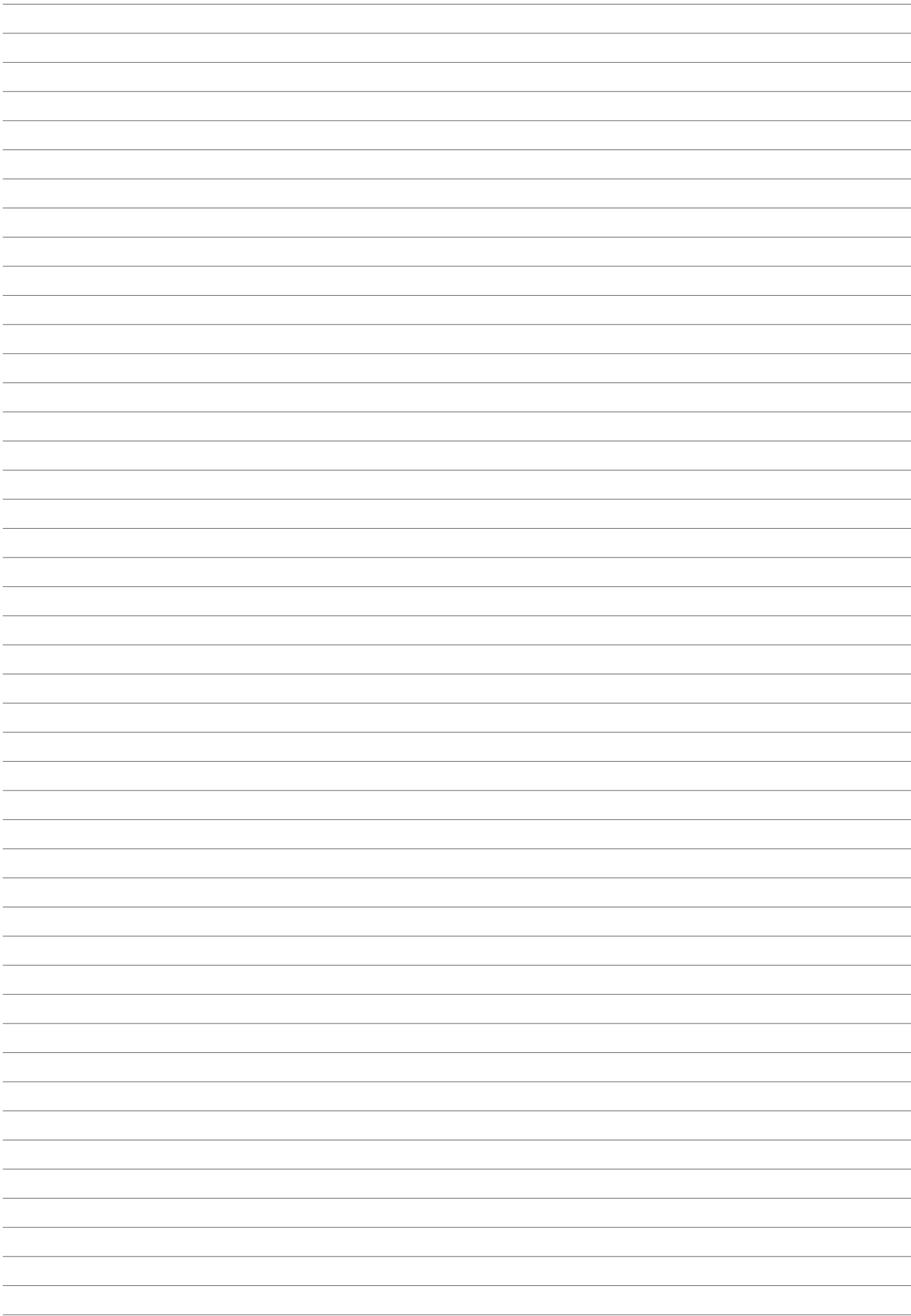
All nozzles are drilled and tapped to accept standard thermocouple

### TIP RADIUS AND ORIFICE



Orifice (mm)	1.5	2.5	3	4	5	6	8	9.5
REF suffix	I	J	K	L	M	N	O	P

Note: 1.5 & 2.5mm orifice only available in GP tip. Not available in NT or ABS





**MILACRON®**

**DME**  
INDUSTRIAL  
SUPPLIES

**AT**

P: 0800 301 060  
F: 0800 401 020

[dme\\_oesterreich@milacron.com](mailto:dme_oesterreich@milacron.com)

**DE**

P: 0800 664 82 50 | +49 (0) 2351 437 0  
F: 0800 664 82 51 | +49 (0) 2351 437 220

[dme\\_normalien@milacron.com](mailto:dme_normalien@milacron.com)

**IT**

P: 800 089 734  
F: 800 089 735

[dme\\_italy@milacron.com](mailto:dme_italy@milacron.com)

**SK**

P: 0800 142 451 | +420 572 151 754  
F: 0800 142 450 | +420 571 611 996

[dme\\_cz@milacron.com](mailto:dme_cz@milacron.com)

**BE**

P: +32 (0) 15 28 87 30  
F: +32 (0) 15 40 51 17

[dme\\_benelux@milacron.com](mailto:dme_benelux@milacron.com)

**ES**

P: 900 900 342  
F: 900 900 343

[dme\\_iberia@milacron.com](mailto:dme_iberia@milacron.com)

**NL**

P: +31 (0) 20 654 5571  
F: +31 (0) 20 654 5572

[dme\\_benelux@milacron.com](mailto:dme_benelux@milacron.com)

**UK**

P: +44 2071 3300 37  
F: +44 2071 3300 36

[dme\\_uk@milacron.com](mailto:dme_uk@milacron.com)

**CH**

P: +41 0848 567 364  
F: +41 0848 567 365

[dme\\_schweiz@milacron.com](mailto:dme_schweiz@milacron.com)

**FR**

P: +33 1 49 93 92 23  
F: +33 1 49 93 92 22

[dme\\_france@milacron.com](mailto:dme_france@milacron.com)

**PL**

P: +800 331 1312 | +32 15 21 50 92  
F: +800 331 1313 | +32 15 40 51 92

[dme\\_polska@milacron.com](mailto:dme_polska@milacron.com)

**Other countries**

P: +32 15 28 87 30  
F: +32 15 40 51 17

[dme\\_export@milacron.com](mailto:dme_export@milacron.com)

**CZ**

P: 800 142 451 | +420 572 151 754  
F: 800 142 450 | +420 571 611 996

[dme\\_cz@milacron.com](mailto:dme_cz@milacron.com)

**HU**

P: 0680 205 003 | +32 15 28 87 30  
F: +32 15 40 51 17

[dme\\_hungary@milacron.com](mailto:dme_hungary@milacron.com)

**PT**

P: 800 207 900  
F: 800 207 901

[dme\\_iberia@milacron.com](mailto:dme_iberia@milacron.com)

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[store.milacron.com](http://store.milacron.com)