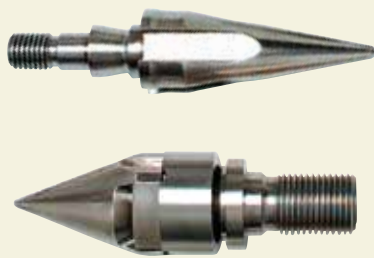


High Quality OEM-style



High quality OEM style replacement unit

- Flute configuration and internal design as original equipment
- Most popular models in stock
- Through- Hardened D2 high quality steel

Compatible Free-flow design



Free-flow Compatible unit

- Maximizes flow and reduces back pressure.
- Low cost, high quality unit
- Most popular models in stock
- Through- Hardened D2 high quality steel
- 3-piece screw tip design allows replacement of individual components when worn

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
ANKERWERKE	25	12mm	LONG	spear			AN25STL	CAAW25A
ANKERWERKE	45	24/3mm	LONG	spear			AN45STL	CAAW45
ANKERWERKE	45		SHORT				AN45STS	
ANKERWERKE	52	27/3TR	LONG	spear		215	AN52STL	CAAW52
ANKERWERKE	60		LONG				AN60STL	CAWW60
Arburg	18	10/1.5mm	NEW SPEAR	Spear		78		CAA18A
Arburg	18	10/1.5mm	L. Profile=ACG. OAL=80mm	Spear			AR18STL	CAA18C
Arburg	18	10/1.5mm	Short. Profile=BCG. OAL=52mm	Stub		51	AR18STS	CAA18
Arburg	18	10/1.5mm	NEW STUB	Stub				CAA18B
Arburg	20	10/1.5RH	Profile=BCG. OAL=67mm	Intermediate		65	AR20ST	CAA20A
Arburg	22	12/1.75mm		Spear		77		CAA22A
Arburg	22	12/1.75mm	L. Profile=ACG. OAL=77mm	Spear			AR22STL	CAA22C
Arburg	22	12/1.75mm		Stub				CAA22B
Arburg	22	12/1.75mm	Short. Profile=BCG. OAL=59mm	Stub		60	AR22STS	CAA22
Arburg	25	12/1.75mm	L. Profile =ACG OA =86mm NEW	Spear		86	AR25STL	CAA25A
Arburg	25	12/1.75mm	L. Profile=ACG. OAL=77mm NEW	Stub		75	AR25STS	CAA25B
Arburg	25	12/1.75mm	OAL=77mm OLD SPEAR	Spear				CAA25C
Arburg	25	12/1.75mm	Short. Profile=BCG OAL=77 step seat	Stub (old)		61		CAA25
Arburg	30	14/1.5mm	L. Profile=ADHCG. OAL=93mm	Intermediate		93	AR30STL	CAA30D
Arburg	30	14/1.5mm		Spear		101+		CAA30A
Arburg	30	14/1.5mm		Stub		80		CAA30B
Arburg	30	14/1.5mm		Spear		78		CAA30C
Arburg	30	14/1.5mm	Short. Profile=BCG. OAL=81mm	Stub		65	AR30ST	CAA30
Arburg	35	18/1.5mm		Spear		107		CAA35A
Arburg	35	18/1.5mm	L. Profile=ACG. OAL=107mm	Spear		107	AR35STL	CAA35C
Arburg	35	18/1.5mm		Stub				CAA35B
Arburg	35	18/1.5mm	Short. Profile=BCG. OAL=94mm	Stub			AR35STS	CAA35
Arburg	40	18/1.5mm	L. Profile=ACG. OAL=115mm	Spear	20°	115	AR40STL	CAA40C
Arburg	40	18/1.5mm		Stub				CAA40B
Arburg	40	18/1.5mm	Short. Profile=BCG. OAL=100mm	Stub			AR40STS	CAA40
Arburg	45	22/1.5mm	L. Profile=ACG. OAL=122mm	Spear			AR45STL	CAA45C
Arburg	45	22/1.5mm	Short. Profile=BCG. OAL=110mm	Stub			AR45ST	CAA45
Battenfeld	18	10mm	Profile=BCF. OAL=70mm				BA18ST	CAB18
Battenfeld	22	12/1.75mm	Profile=BCF. OAL=81mm	Long		80	BA22ST	CAB22
Battenfeld	22							CAB22A
Battenfeld	25	10/1.5mm	Thr.=M10. Profile=BCG. OAL=83mm	Stub		81	BA25ST	CAB25A
Battenfeld	25	12/1.75mm	Thr.=M12. Profile=BCF. OAL=83mm	Stub		81	BA25STT	CAB25
Battenfeld	30	14/1.5mm	Profile=BCF. OAL=92mm	Stub		92	BA30ST	CAB30
Battenfeld	35	16/1.5mm	Profile=BCF. OAL=100mm	Stub		97	BA35ST	CAB35
Battenfeld	35							CAB35A
Battenfeld	40	20/2mm						CAB40A
Battenfeld	40	20/2mm	Profile=BCF. OAL=114mm				BA40ST	CAB40
Battenfeld	42						BA42ST	
Battenfeld	45	20/2mm		177 Spear		103		CAB45A
Battenfeld	45	24/2mm	Profile=BCF. OAL=125mm	28 Stub LS		125	BA45ST	CAB45
Battenfeld	45	24/2mm						CAB45E3
Battenfeld	50	24/2mm		Int.med 355	28°	125		CAB50A
Battenfeld	50	24/2mm		Stub 70LS		128	BA50ST	CAB50
Battenfeld	55	24/2mm	Long.	Spear	15°	0	BA55STL	CAB55
Battenfeld	55	24/2mm	Short.	Stub	45°	135	BA55STS	CAB55A
Battenfeld	60	24/2mm				154	BA60ST	CAB60

cont....

Replacement Screwtips

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no				
...cont												
Battenfeld	60	35/2mm	Profile=BCG. OAL=161mm long	Spear		177	BA65ST	CAB60A				
Battenfeld	65	24/2mm						CAB65A				
Battenfeld	65	40/2mm		Spear		189	BA70ST	CAB65A				
Battenfeld	70	40/2mm						CAB70				
Battenfeld	70			Stub		169	BA75ST BA75STL	CAB75A				
Battenfeld	75	30/3.5						CAB75				
Battenfeld	75	40/2mm		Spear				CAB96				
Battenfeld	96	50/2.5mm						CAB105				
Battenfeld	105			Stub		327		CAB110A				
Battenfeld	110	50/2.5mm						CAB120				
Battenfeld	120	50/2.5mm	Stub		305		CAB145					
Battenfeld	145											
Billion All sizes and models												
BIPEL All sizes and models												
BIRAGHI	28	12/1.75mm				91	BM55ST	CABM28				
BIRAGHI	30	14/2mm				84		CABM30				
BIRAGHI	37	16/2mm				110		CABM37				
BIRAGHI	45							CABM45				
BIRAGHI	50							CABM50				
BIRAGHI	50							CABM50A				
BIRAGHI	55	22/2.5mm				151		CABM55				
BIRAGHI	70	33/3.5mm				196		CABM70				
Bone Craven All sizes and models												
Boy	18	10/1.5LH				Profile=BCF. OAL=52mm		Stub	45°	51	BO18ST	CAAB18
Boy	22	10/1.5mm		50		CAAB22A						
Boy	22	10/1.5mm				CAAB22B						
Boy	22	12/1.75mm	Profile=BCF. OAL=62mm	60	BO22ST	CAAB22						
Boy	22		4 Flights		BO22ST4							
Boy	22		Ball Check		BO22BC							
Boy	24	12/1.75mm	Profile=BCF. OAL=65mm	62	BO24ST	CAAB24						
Boy	24	12/1.75mm				CAAB24A						
Boy	25					CAAB25B						
Boy	28	12/1.75mm	Profile=PROCAN. OAL=65mm	65	BO28ST5	CAAB28A						
Boy	28		Profile=BCF. OAL=72mm		BO28ST	CAAB28						
Boy	28		Ball Check Valve		BO28BC							
Boy	32	14/2mm	Profile=BCF. OAL=73mm	72	BO32ST	CAAB32						
Boy	32	14/2mm	Procan Machine	L C/R & S	45°	94	BO32ST5	CAAB32A				
Boy	32		BALL CHECK				BO32BC					
Boy	36	16/2mm		81			CAAB36					
Boy	38	16/2mm	Profile=BCF. OAL=76mm	76	BO38ST	CAAB38						
Boy	38		Procan Machine BALL CHECK		BO38ST5BC							
Boy	42	16/2mm	Procan Profile=BCH OAL=111	Long shank	45	112	BO42ST5	CAAB42A				
Boy	42	16/2mm	Profile=ADHBCF. OAL=80mm	Stub	45	82	BO42ST	CAAB42				
Boy	45						CAAB45A					
Boy	48	18/2.5 LH	Procan Machine	Procam	45°	116	BO48ST5	CAAB48A				
Boy	48	18/2.5mm	Profile=BCF. OAL=91mm	Stub	45°	88	BO48ST	CAAB48				
Boy	52						CAAB52					
Boy	38		Procan Machine				BO38ST5					
Buhler All sizes and models												
CINCINNATI All sizes and models												
DASSETT All sizes and models												
Demag	22		(Ergotec). Profile=BCF. OAL=68mm	see D Ergo			DE22STE	CADM22				
Demag	22							CADM22FR				
Demag	22		LONG				DE22STL					
Demag	25	M10/1.5mm	LONG	Spear D ser	15°	87	DE25STL	CADM25				
Demag	25	M10/1.5mm	(Ergotec). Profile=BCF. OAL=72mm				DE25STE	CADM25A				
Demag	25		SHORT				DE25STS					
Demag	28	M12/1.75	Short. Profile=BCF. OAL=90mm	Short 90L		90	DE28STS	CADM28A				
Demag	28	M12/1.75	L. Profile=ACF. OAL=118mm	Spear	10°	117	DE28STL	CADM28				
Demag	30	12/1.75mm	Ergotec Profile=BCG. OAL=76mm	Check Thd	30°	75	DE30STE	CADM30B				
Demag	30	M12/1.75					DE30ST	CADM30				
Demag	30	M12/2mm						CADM30A				
Demag	30		ERGOTECH				DE30STE6					
Demag	32	M12						CADM32A				
Demag	32	M14/2mm	Ergotec	Intermed	25°	107	DE32STE	CADM32B				

cont....

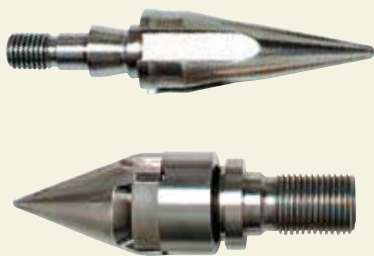
PRICE PROMISE
We will not be beaten on price for similar product with the same quality and specification

01536 206653
fax 01536 202196
sales@nickerson europe.co.uk

01536 403886
fax 01536 400003
sales@pmseurope.com



High Quality OEM-style



High quality OEM style replacement unit

- Flute configuration and internal design as original equipment
- Most popular models in stock
- Through- Hardened D2 high quality steel

Compatible Free-flow design



Free-flow Compatible unit

- Maximizes flow and reduces back pressure.
- Low cost, high quality unit
- Most popular models in stock
- Through- Hardened D2 high quality steel
- 3-piece screw tip design allows replacement of individual components when worn

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
...cont								
Demag	32	M14/2mm	L. Profile=ACF. OAL=134mm	Spear	10°	139	DE32STL	CADM32
Demag	32		Short. Profile=BCF. OAL=107mm				DE32STS	
Demag	35	14/2mm	(Ergotec). Profile=BCG. OAL=88mm		30°	87	DE35STE	CADM35
Demag	35						DE35ST	
Demag	38	M16/2mm		Intermed		114		CADM38
Demag	38	M16/2mm		Spear	11°	153		CADM38A
Demag	38		L. Profile=ACG. OAL=158mm				DE38STL	
Demag	38		Short. Profile=BCG. OAL=120mm				DE38STS	
Demag	40	16/2mm	(Ergotec)		30°	106	DE40STE	CADM40
Demag	40						DE40ST	
Demag	45	TR20/3mm		Intermed	15°	162		CADM45A
Demag	45	TR20/3mm	Ergotech	Spear	11°	186	DE45STE	CADM45
Demag	45		Profile=BCG. OAL=131mm				DE45ST	
Demag	45		Long.				DE45STL	
Demag	50	27/3mm		Spear	12°	226	DE50ST	CADM50
Demag	50		INTER					CADM50A
Demag	50						DE50STE	
Demag	52	TR22/3mm		Intermed	25°	146	DE52ST	CADM52
Demag	52	TR22/3mm	L. Profile=ACG. OAL=215mm	Spear	10°	215	DE52STL	CADM52B
Demag	52	TR27/3mm	Short.				DE52STS	CADM52A
Demag	60	TR27/3mm	Profile=BCG. OAL=173mm	Intermed	25°	170	DE60ST	CADM60A
Demag	60	TR27/3mm	Long.	Spear	11°	248	DE60STL	CADM60
Demag	70	TR30/3mm	LONG	Spear	12°	280	DE70STL	CADM70
Demag	70						DE70ST	
Demag	80						DE80ST	
Demag	82	TR35/3mm	LONG	Spear	15°	75°	DE82STL	CADM82
Demag	82		SHORT				DE82STS	
Demag	90						DE90ST	
Demag	95	TR40/2mm	LONG	Spear			DE95STL	CADM95
Demag	110	TR50/3mm		Spear	11°	435	DE110ST	CADM110
DK All sizes and models								
Engel	18	10/1.5mm	Profile=BCF. OAL=60mm	Stub		63	EN18ST	CAEN18
Engel	22	12/1.75mm				62		CAEN22A
Engel	22	12/1.75mm	Profile=BCF. OAL=72mm				EN22ST	CAEN22
Engel	25	12/1.75mm		Flat seat		64		CAEN25A
Engel	25	12/1.75mm	Profile=BCG. OAL=72mm			64	EN25ST	CAEN25
Engel	30	12/1.75mm	Profile=BCF. OAL=70mm			70	EN30ST	CAEN30
Engel	30							CAEN30A
Engel	35	12/1.75mm				84	EN35ST	CAEN35
Engel	35	16/2 r/h		16 shank dia		85		CAEN35A
Engel	35	16/2 r/h		L.16mm shnk	30°	94		CAEN35B
Engel	35	M12	3 Flights Thr=M12 Profile =BCF			83	EN35ST3	
Engel	35	M16	Thr.=M16. Profile=BCF			95	EN35STO	
Engel	35	M16	(4 Flight)Thr=M16. Profile=BCG			80	EN35ST1	
Engel	35		(4 flight)				EN35ST4	
Engel	40	16/2 r/h		flat seat		97		CAEN40A
Engel	40	16/2 r/h		step seat		83		CAEN40B
Engel	40	20/2.5mm	Profile=BCG. OAL=90mm			90	EN40ST	CAEN40

cont....

Replacement Screwtips

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
...cont								
Engel	45	20/2.5 l/h	Profile=BCG. OAL=96mm	L/H thread		96	EN45ST	CAEN45
Engel	45	20/2.5 r/h	Profile=BCG. OAL=99mm	R/H thread		100	EN45STO	CAEN45A
Engel	45							CAEN45B
Engel	50	24/3 r/h	Profile=BCG. OAL=107mm	step seat		108	EN50ST	CAEN50A
Engel	50	24/3 r/h	Profile=BCG. OAL=107mm			108	EN50STO	CAEN50
Engel	50							CAEN50B
Engel	55	24/3 r/h	Profile=BCG. OAL=118mm			114	EN55ST	CAEN55
Engel	60	30/3.5mm	Profile=BCG. OAL=124mm	flat seat		125	EN60ST	CAEN60
Engel	60	30/3.5mm		step seat		122		CAEN60A
Engel	70	30/4mm	Profile=BCG. OAL=127mm				EN70ST	CAEN70
Engel	70	36/4mm		newer	30°	142		CAEN70A
Engel	70	36/4mm						CAEN70B
Engel	70						EN70STT	
Engel	80	36/4mm					EN80ST	CAEN80
Engel	90	42/4.5mm					EN90ST	CAEN90
Engel	105						EN105ST	CAEN105
Engel	120	52/5 RH						CAEN120
Engel	120	54/2Rh					EN120ST	
Fahr Bucher All sizes and models								
FANUC	20	10/1.5 LH			45°	60		CAFAN20
FANUC	22	12/1.75 LH			45°	68		CAFAN22
FANUC	22		AI SRS S/T					CAFAN22A
FANUC	26	16/2mm			45°	72		CAFAN26
FANUC	28	16/2mm			45°	85		CAFAN28
FANUC	28		IA SRS S/T 108mm OAL			108		CAFAN28A
FANUC	32							CAFAN32
FANUC	36	20/2.5mm	106 OAL		45°	106		CAFAN36
FANUC	40							CAFAN40
FANUC	44	24/3mm			45°	114		CAFAN44
FANUC	48							CAFAN48
Fortune Euro All sizes and models								
Fortune VA All sizes and models								
HERBERT All sizes and models								
HPM All sizes and models								
Husky	100	52/5 LH				290		CAHU100
Husky	115	60/5.5 LH				335		CAHU115
JOSEPH KRAUSS All sizes and models								
JSW All sizes and models								
Kawaguchi	28	TR16/2mm		check thd	20°	100		CAK28
Kawaguchi	30	16/1.5mm						CAK30B
Kawaguchi	30	TR15/2mm			20°	105		CAK30
Kawaguchi	30							CAK30C
Kawaguchi	34	18/2mm						CAK34A
Kawaguchi	36	20/2mm						CAK36A
Kawaguchi	38	TR22/2mm			17°	151		CAK38
Kawaguchi	40	TR20/2mm						CAK40A
Kawaguchi	40	TR22/2mm				150		CAK40B
Kawaguchi	40							CAK40C
Kawaguchi	42	TR24/3mm			20°	147		CAK42
Kawaguchi	42							CAK42CPM
Kawaguchi	45	TR25/3mm			17°	165		CAK45
Kawaguchi	50	TR28/3mm			20°	0		CAK50
Kawaguchi	50	TR30/3mm			20°	142		CAK50C
Kawaguchi	55	TR26/3mm			20°	145		CAK55
Kawaguchi	55	TR30/3 l/h			20°	200		CAK55A
Klockner	18				30°	65		CAKF18
Klockner	25	12/1mm	Profile=BCG. OAL=92mm				KL25ST	CAKF25
Klockner	30	16/1.5mm	Profile=BCG. OAL=109mm	FM60	30°	110	KL30ST	CAKF30
Klockner	35	16/1.5mm	Profile=BCG. OAL=121mm	FM60	30°	121	KL35ST	CAKF35
Klockner	40	20/1.5mm	Profile=BCG. OAL=135mm	FM85	30°	135	KL40ST	CAKF40
Klockner	45	20/1.5mm	Profile=BCG. OAL=139mm		30°	135	KL45ST	CAKF45
Klockner	50	24/3mm	Profile=BCG. OAL=142mm	FR110		147		CAKF50
Klockner	50	M24/1.5	M24/1.5 Profile=BCG. OAL=147mm				KL50ST	CAKF50A
Klockner	60	30/2mm	Profile=BCH. OAL=170mm				KL60ST	CAKF60
Klockner Windsor All models and sizes								

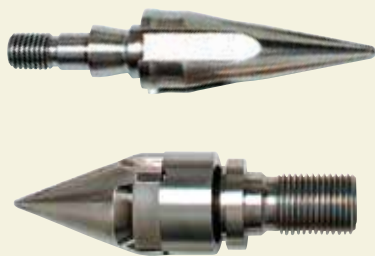
PRICE PROMISE
We will not be beaten on price for similar product with the same quality and specification

 **01536 206653**
fax 01536 202196
sales@nickerson europe.co.uk

 **01536 403886**
fax 01536 400003
sales@pms europe.com



High Quality OEM-style



High quality OEM style replacement unit

- Flute configuration and internal design as original equipment
- Most popular models in stock
- Through- Hardened D2 high quality steel

Compatible Free-flow design



Free-flow Compatible unit

- Maximizes flow and reduces back pressure.
- Low cost, high quality unit
- Most popular models in stock
- Through- Hardened D2 high quality steel
- 3-piece screw tip design allows replacement of individual components when worn

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
KRAUSS MAFFEI	22						KM22ST	
KRAUSS MAFFEI	22		SHORT				KM22STS	
KRAUSS MAFFEI	30	16/2mm	LONG	Spear		146	KM30STL	CAKM30
KRAUSS MAFFEI	30						KM30ST	CAKM30A
KRAUSS MAFFEI	35	16/2mm	LONG	Spear		170	KM35STL	CAKM35
KRAUSS MAFFEI	35	18/2.5mm		113 OAL	30°	113	KM35ST	CAKM35A
KRAUSS MAFFEI	35	18/2.5mm		Spear 167L	10°	167		CAKM35B
KRAUSS MAFFEI	35		SHORT				KM35STS	
KRAUSS MAFFEI	40	19/2mm		Spear				CAKM40A
KRAUSS MAFFEI	40	20/2.5mm	Short	Stub	30°	123	KM40STS	CAKM40B
KRAUSS MAFFEI	40		LONG				KM40STL	CAKM40
KRAUSS MAFFEI	45	20/1.5mm	93 oal 20/1.5 lh 45 deg a side USA		45°	93		CAKM45B
KRAUSS MAFFEI	45	20/1.5mm	123.5 AOL M20/1.5	Spear	20°	128		CAKM45A
KRAUSS MAFFEI	45	24/3mm	LONG M24 /3	Spear	12°	175	KM45STL	CAKM45
KRAUSS MAFFEI	45		Profile=BCF. OAL=144mm				KM45ST	
KRAUSS MAFFEI	50	27/3mm	LONG	Spear	15°	156	KM50STL	CAKM50
KRAUSS MAFFEI	50	27/3mm	SHORT	Stub	30°	152	KM50STS	CAKM50A
KRAUSS MAFFEI	50						KM50ST	
KRAUSS MAFFEI	55	27.3mm	178 oal 27/3 lh 15 deg side	Spear	15°	178		CAKM55A
KRAUSS MAFFEI	55	27/3mm	157 oal 27/3lh		30°	157	KM55ST	CAKM55
KRAUSS MAFFEI	55	30/3.5mm	146.5 OAL 30/3.5 LH 30 deg a side		30°	147		CAKM55B
KRAUSS MAFFEI	56							CAKM56
KRAUSS MAFFEI	60	24/2mm	161.5 oal 24/2 lh 20 deg a side		20°	162		CAKM60A
KRAUSS MAFFEI	60	33/3.5lh	Profile=BCF. OAL=200mm				KM60ST	
KRAUSS MAFFEI	60	33/3.5mm	170oal 33/3.5 lh 30 deg a side		30°	170		CAKM60
KRAUSS MAFFEI	65	24/2mm	133.4 oal. 24/2 lh 30 deg a side		30°	133		CAKM65
KRAUSS MAFFEI	65		204 oal 33/3.5 lh 30 deg a side				KM65ST	
KRAUSS MAFFEI	65		LONG 256oal 33/3.5lh				KM65STL	
KRAUSS MAFFEI	70	33/3.5mm		Spear				CAKM70
KRAUSS MAFFEI	70	36/4mm	Profile=BCF. OAL=206mm		30°	206	KM70ST	CAKM70A
KRAUSS MAFFEI	75	30/2mm	155.5 oal 30/2lh 30 deg a side		30°	156		CAKM75
KRAUSS MAFFEI	75	36/4mm	173 oal 36/4 30deg a side		30°	173		CAKM75A
KRAUSS MAFFEI	75		210.5 oal 39/4lh 30deg side				KM75ST	
KRAUSS MAFFEI	80	42/4.5mm	240oal 42/4.5 30 deg		30°	240	KM80ST	CAKM80
KRAUSS MAFFEI	85	45/4mm					KM85ST	CAKM85
KRAUSS MAFFEI	90						KM90ST	CAKM90
KRAUSS MAFFEI	105		SHORT				KM105STS	
KRAUSS MAFFEI	105		296 oal 55/3 trapezoidal 30 deg side				KM105STL	
KRAUSS MAFFEI	115	65/4 TR	318 oal 65/4 trapezoidal 20 deg side				KM115ST	
KRAUSS MAFFEI	130	TR70/4	244 OAL 48/5lh 30 deg a side		20°	325		CAKM130
KRAUSS MAFFEI	130	TR70/4			20°	325		CAKM130
KRAUSS MAFFEI	150	75/4 LH	353.65 oal 75/4 lh 26.5 deg side				KM150ST	
KRUPP REIFFENHAUSER								
Kuasy All sizes and models								

Replacement Screwtips

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
Metalmecc	22							CAM22
Metalmecc	24	10/1.5mm						CAM24
Metalmecc	27	12/1.5mm	PENTA	Penta Spear	14°	0		CAM27
Metalmecc	30	12/1.75mm		Spear		123		CAM30A
Metalmecc	30	12/1.75mm	Profile=BCF. OAL=74mm	Stub		71	ME30ST	CAM30
Metalmecc	32	12/1.75mm		Spear				CAM32
Metalmecc	34	14/1.5mm		Penta Spear		119		CAM34
Metalmecc	35						ME35ST	
Metalmecc	36	14/1.5mm		Spear				CAM36
Metalmecc	38	16/1.5mm	Profile=BCF. OAL=76mm	Spear			ME38ST	CAM38
Metalmecc	39		38.5mm Metalmecc				ME385	
Metalmecc	40	16/1.5mm	Profile=BCF. OAL=80mm	Stub		80	ME40ST	CAM40A
Metalmecc	40	16/2mm		Spear				CAM40
Metalmecc	42	16/1.5mm		Penta Spear				CAM42
Metalmecc	42	16/1.5mm		SR stub	45°	84		CAM42A
Metalmecc	45	18/1.5mm	Profile=BCF. OAL=87mm				ME45ST	CAM45
Metalmecc	45		LONG				ME45STL	
Metalmecc	45		SHORT				ME45STS	
Metalmecc	48	18/1.5mm	LONG	Penta Spear			ME48STL	CAM48
Metalmecc	48	18/1.5mm	Profile=BCF. OAL=88mm	Tecnica	45°	88	ME48ST	CAM48A
Metalmecc	50	18/1.5mm					ME50ST	CAM50
Metalmecc	55						ME55ST	
Metalmecc	56	22/1.5mm		Spear				CAM56
Metalmecc	60	30/2mm		Spear			ME60ST	CAM60
Metalmecc	60		Profile=BCG. OAL=153mm				ME60STO	
Metalmecc	65	27/2mm					ME65ST	CAM65
Metalmecc	90	40/2mm				322	ME90ST	CAM90
Metalmecc	96						ME96ST	
MIR	34						MIR34ST	
MIR	38	16/1.5 l/h			R19	86		CAMR38
MIR	45	22/1.5mm			30°	132		CAMR45
MIR	45	3/4" BSP			20°	152		CAMR45A
MIR	50	M26/14TPI						CAMR50
MIR	55	M26/14TPI		check thd	20°	162	MIR55ST	CAMR55
MIR	60	M30/14TPI		240	20°	144		CAMR60
MIR	70	1" BSP l/h			R25	168		CAMR70
Mitsubishi	28		Profile=ADE. OAL=155mm				MI28ST	
Mitsubishi	36	22/2.5mm	Profile=ADE. OAL=175mm				MI36ST	CAMI36
Mitsubishi	50	27/3mm	Profile=ADE. OAL=220mm		14°	100	MI50ST	CAMI50
Mitsubishi	70	39/4mm	Profile=ADE. OAL=300mm		13°	216	MI70ST	CAMI70
Negri Bossi	22	12/1.5mm	Profile=BCF. OAL=57mm	83	20°	84	NB22ST	CANG22
Negri Bossi	25	10/1.5mm	Profile=BCF. OAL=65mm	57	30°	65	NB25ST	CANG25
Negri Bossi	28	12/1.5mm	Profile=BCF. OAL=65mm	63	40°	65	NB28ST	CANG28
Negri Bossi	30	14/1.5mm	Profile=BCF. OAL=62mm		45°	67	NB30ST	CANG30
Negri Bossi	32	14/1.5mm	Profile=BCF. OAL=73mm	171	45°	72	NB32ST	CANG32
Negri Bossi	32		Profile=BCF. OAL=73mm HF800				NB32STHF8	
Negri Bossi	35	16/1.5mm	Profile=BCF. OAL=82mm	60	45°	75	NB35ST	CANG35
Negri Bossi	35							CANG35D
Negri Bossi	38	16/1.5mm	Profile=BCF. OAL=84mm	67	45°	89	NB38ST	CANG38
Negri Bossi	40	18/1.5mm			25°	110		CANG40A
Negri Bossi	40	18/1.5mm	Profile=BCF. OAL=94mm		45°	92	NB40ST	CANG40
Negri Bossi	40		SHORT				NB40STS	
Negri Bossi	45	22/2mm	LONG	107 Spear	15°	137	NB45STL	CANG45
Negri Bossi	45	22/2mm	Profile=BCF. OAL=96mm	Stub	35°	101	NB45ST	CANG45A
Negri Bossi	45		SHORT				NB45STS	
Negri Bossi	50	22/2mm	LONG	87 Spear	15°	156	NB50STL	CANG50
Negri Bossi	50		Short				NB50STS	
Negri Bossi	52	22/2mm	Long. OAL=160mm	146	15°	160	NB52STL	CANG52
Negri Bossi	52	M22x2 L/H	40 deg 46mm seat dia	stub		106	NB52ST	CANG52A
Negri Bossi	55	22/2mm					NB55ST	CANG55
Negri Bossi	55						NB55STO	
Negri Bossi	60	26/2mm	LONG	125 Spear	45°	159	NB60STL	CANG60
Negri Bossi	60						NB60ST	
Negri Bossi	65	22/2mm					NB65ST	CANG65
Negri Bossi	70	26/2mm		Stub		154	NB70ST	CANG70
Negri Bossi	70	26/2mm						CANG70A
Negri Bossi	80						NB80ST	
Negri Bossi	90	40/2mm					NB90ST	CANG90
Negri Bossi	100	45/2mm			20°	290	NB100ST	CANG100
Negri Bossi	120						NB120ST	
Negri Bossi	135						NB135ST	

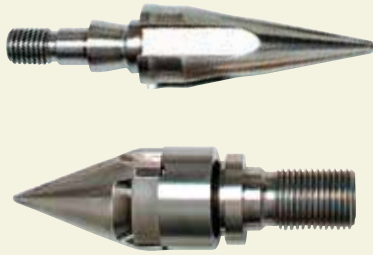
PRICE PROMISE
We will not be beaten on price for similar product with the same quality and specification

 **01536 206653**
fax 01536 202196
sales@nickerson europe.co.uk

 **01536 403886**
fax 01536 400003
sales@pmseurope.com



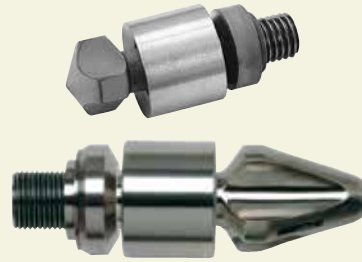
High Quality OEM-style



High quality OEM style replacement unit

- Flute configuration and internal design as original equipment
- Most popular models in stock
- Through- Hardened D2 high quality steel

Compatible Free-flow design



Free-flow Compatible unit

- Maximizes flow and reduces back pressure.
- Low cost, high quality unit
- Most popular models in stock
- Through- Hardened D2 high quality steel
- 3-piece screw tip design allows replacement of individual components when worn

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
NETSTAL	24						NE24ST79	
NETSTAL	25	10/1.5mm		sycap LS	25°	95		CANE25
NETSTAL	28	14/2 LH	long 113.50 25deg a side					
NETSTAL	28	14/2mm	80 OAL 14/2LH 70 DEG A SIDE	148 Stub LC	70°	80		CANE28
NETSTAL	28	14/2mm	90 OAL 14/2 LH 30 DEG A SIDE	180 LC	30°	90		CANE28A
NETSTAL	28						NE28ST59	
NETSTAL	32	16/2mm	Profile=BCF. OAL=101mm	36 SS		98	NE32ST101	CANE32
NETSTAL	32	16/2mm	long shank	LS & C		128	NE32ST102	CANE32A
NETSTAL	32	16/2mm		LS & C		128	NE32ST128	CANE32A
NETSTAL	32		Profile=ACH. OAL=102mm				NE32ST	
NETSTAL	32		128 long padded, CPM rings					CANE32AE3
NETSTAL	35		Profile=ACH. OAL=120mm				NE35ST120	CANE35
NETSTAL	37	16/2mm		86	45°	97	NE375ST96B	CANE37B
NETSTAL	37	18/2.5mm	37.5mm Profile=BCG. OAL=118	8	45°	94	NE375ST118	CANE37
NETSTAL	37	18/2.5mm		8 BNL	45°	108	NE375ST96A	CANE37A
NETSTAL	37	18/2.5mm	Profile=ACH. OAL=120mm	PLEC (long)	25°	120	NE375ST120	CANE37D
NETSTAL	37						NE375ST1075	
NETSTAL	37						NE375ST110	
NETSTAL	40	18/2.5mm	114.5 long short	116 L should		116		CANE40B
NETSTAL	40	18/2.5mm		132 LC		120	NE40ST130	CANE40
NETSTAL	40		Profile=BCG. OAL=100mm				NE40ST100	
NETSTAL	40		Profile=BCG. OAL=130mm				NE40ST125	
NETSTAL	40		long check long shank				NE40ST150	CANE40C
NETSTAL	45	20/2.5mm	116 oal long shank	172 S LC	45°	116		CANE45A
NETSTAL	45	20/2.5mm	127 oal short shank	81 SS		127		CANE45
NETSTAL	45		169 OAL 20/2 OEM				NE45ST169	CANE45C
NETSTAL	45						NE45ST135B	
NETSTAL	45		Profile=BCG. OAL=135mm			135	NE45ST135A	
NETSTAL	45		143 oal long					CANE45B
NETSTAL	45						NE45ST143	
NETSTAL	50	20/2mm	Profile=ACH. OAL=155mm	179 LC	25°	155	NE50ST155	CANE50
NETSTAL	50						NE50ST175	
NETSTAL	52						NE52ST	
NETSTAL	53						NE53ST152	
NETSTAL	55	24/3mm		158	25°	165	NE55ST166A	CANE55
NETSTAL	55	24/3mm l/h			35°	143	NE55ST166B	CANE55A
NETSTAL	55		55 198 OAL				NE55ST198	CANE55B
NETSTAL	60	24/2mm		187 LC	25°	160	NE60ST	CANE60
NETSTAL	62	26/2mm		54			NE62ST225	CANE62
NETSTAL	70	26/2mm	STEPPED SEAT	117 LC	35°	164	NE70ST165	CANE70
NETSTAL	70						NE70ST	CANE70A
Nissei	30	TR16/2mm						CANI30
Nissei	32	TR18/2mm						CANI32
Nissei	38	TR22/3mm			20°	125		CANI38A
Nissei	40	TR24/3mm			20°	145		CANI40
Nissei	45	TR26/3mm						CANI45
Nissei	50	TR28/3mm			20°	174		CANI50
Nissei	71	TR44/3mm			20°	235		CANI71

Replacement Screwtips

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
Oima	38							CAO38
Oima	40	20/2mm						CAO40
Oima	45	22/1.5 r/h			20°	132		CAO45
Oima	52	24/1.5 r/h			20°	143		CAO52
Oima	52	24/1.5 r/h			20°	143		CAO52A
Oima	60	27/2 r/h			20°	190		CAO60
Sandretto	24						SA24STM	
Sandretto	28						SA28STL	
Sandretto	30							CASA30S8
Sandretto	32	14/2mm	Short. Profile=BCH. OAL=80mm	Stub			SA32STS	CASA32A
Sandretto	33	12x1.75 L/H	105 OAL 12x1.75 L/H					CASA33S9
Sandretto	35	16/2mm	L. Profile=ACH. OAL=140mm	Spear			SA35STL	CASA35
Sandretto	35	16/2mm	Series 7 Short	Stub			SA35STS	CASA35A
Sandretto	35		Series 8 long				SA35STL8	CASA35S8
Sandretto	35		Series 8				SA35ST8	
Sandretto	38	14/2 L/H	125 OAL 14/2 L/H					CASA38S9
Sandretto	38		Long.				SA38STL	
Sandretto	40	18/2.5mm	L. Profile=ACH. OAL=145mm	Spear			SA40STL	CASA40
Sandretto	40	18/2.5mm	Short. Profile=BCH. OAL=88mm	Stub			SA40STS	CASA40A
Sandretto	40		Series 8				SA40ST8	CASA40S8
Sandretto	45	20/2.5mm	L. Profile=ACH. OAL=165mm	Spear			SA45STL	CASA45
Sandretto	45	20/2.5mm	Short. Profile=BCH. OAL=102mm	Stub			SA45STS	CASA45A
Sandretto	45		Short. Profile=BCH. OAL=102mm					CASA45B
Sandretto	45							CASA45C
Sandretto	45		Series 8				SA45ST8	CASA45S8
Sandretto	50	20x 2.5 L/H	171 OAL 20x 2.5 L/H					CASA45S9
Sandretto	50	24/3mm	L. Profile=ACH. OAL=160mm	Spear			SA50STL	CASA50
Sandretto	50	24/3mm	Short. Profile=BCH. OAL=121mm	Stub			SA50STS	CASA50A
Sandretto	50	24X3 L/H	196 OAL 24X3 L/H					CASA55S9
Sandretto	50		Series 8				SA50ST8	CASA50S8
Sandretto	55	27/3mm	L. Profile=ACH. OAL=180mm	Spear			SA55STL	CASA55
Sandretto	55	27/3mm	Series 7 Short. 137 OAL	Stub			SA55STS	CASA55A
Sandretto	55		intermediate 180.5					CASA55B
Sandretto	55		Series 8				SA55ST8	CASA55S8
Sandretto	60	30/3.5mm	Series 7 long	Spear			SA60STL	CASA60
Sandretto	60	30/3.5mm	Short. Profile=BCH. OAL=137mm	Stub			SA60STS	CASA60A
Sandretto	60		Series 8					CASA60S8
Sandretto	65		Series 8				SA65ST8	CASA65S8
Sandretto	70	30X3.5 L/H	243 OAL 30X3.5 L/H				SA70ST9	CASA70S9
Sandretto	70	33/3.5mm	Long	Spear			SA70STL	CASA70
Sandretto	70	33/3.5mm	Short	Stub			SA70STS	CASA70A
Sandretto	80	36/4mm	Series 7 long	Spear			SA80STL	CASA80
Sandretto	80	36/4mm	Series 7 Short	Stub			SA80STS	CASA80A
Sandretto	80	36X4 L/H	279 OAL 36X4 L/H				SA80ST9	CASA80S9
Sandretto	80		SERIES 8					CASA80S8
Sandretto	90	39/4mm	LONG	Spear			SA90STL	CASA90
Sandretto	90	39/4mm	SHORT	Stub			SA90STS	CASA90A
Sandretto	90							CASA90S8
Sandretto	105	42/4.5mm	Series 7 long	Spear			SA105STL	CASA105
Sandretto	105	42/4.5mm	Series 7 Short	Stub			SA105STS	CASA105A
Sandretto	105	48X5 L/H	366 OAL 48X5 L/H				SA105ST9	CASA105S9
Stork Reed	All sizes and models							
Stubbe	All sizes and models							
SUMITOMO	18	9/1mm	OEM due to size					CASM18
SUMITOMO	22		OEM due to size					CASM22
SUMITOMO	32							CASM32A
SUMITOMO	37.5							CASM375
SUMITOMO	40							CASM40
SUMITOMO	40							CASM40
SUMITOMO	63	33/3mm						CASM63
Toshiba	25	12/1.5mm	Profile=BCG. OAL=70mm	Spear			TO25ST	CAT25
Toshiba	28	15/1.5mm	Profile=BCF. OAL=85mm	Spear			TO28ST	CAT28
Toshiba	30						TO30ST	
Toshiba	32	18/2mm	Profile=BCF. OAL=102mm	Spear			TO32ST	CAT32
Toshiba	36	22/2mm	Profile=BCE. OAL=119mm	Spear	15°	129	TO36ST	CAT36
Toshiba	36	22/2mm		Stub	30°	119		CAT36A
Toshiba	36		Profile=BDE. OAL=119mm				TO36STC	
Toshiba	40	22/2mm		Spear		157		CAT40
Toshiba	40	22/2mm		Standard	30°	105		CAT40A
Toshiba	40	22/2mm l/h	LONG		30°	127	TO40STL	CAT40B

cont....

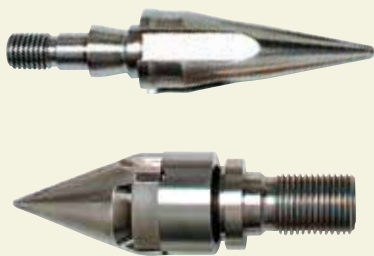
PRICE PROMISE
We will not be beaten on price for similar product with the same quality and specification

01536 206653
nickerson EUROPE
fax 01536 202196
sales@nickerson europe.co.uk

01536 403886
PMS
Plasto Moulding Supplies
fax 01536 400003
sales@pmseurope.com



High Quality OEM-style



High quality OEM style replacement unit

- Flute configuration and internal design as original equipment
- Most popular models in stock
- Through- Hardened D2 high quality steel

Compatible Free-flow design

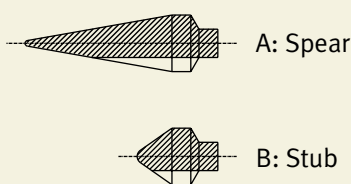


Free-flow Compatible unit

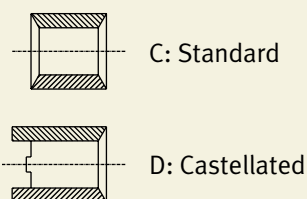
- Maximizes flow and reduces back pressure.
- Low cost, high quality unit
- Most popular models in stock
- Through- Hardened D2 high quality steel
- 3-piece screw tip design allows replacement of individual components when worn

Machine Make	Dia	Thread	Notes	type	ang	L	OEM Style part no	Free Flow part no
...cont								
Toshiba	40	22/2mm l/h	Profile=BDE. OAL=129mm	15B F & G Spear	30°	127	TO40ST	CAT40B
Toshiba	45	26/1.5mm	Profile=BDE. OAL=140mm		30°	140	TO45ST	CAT45A CAT50
Toshiba	50	28/2mm	Profile=BDE. OAL=157mm	Spear	15°	184	TO50ST	CAT50A CAT55
Toshiba	55	28/2mm						
Toshiba	55		Profile=BDE. OAL=174mm	Spear	12°	225	TO55ST	CAT60 CAT60A CAT70B
Toshiba	60	28/2mm						
Toshiba	60	28/2mm	Profile=BDE. OAL=183mm	Stub	30°	182	TO60ST	
Toshiba	70	36/3mm						
Toshiba	70		Profile=ADE. OAL=295mm	Spear	15°	360	TO70ST TO70STA	CAT90 CAT130
Toshiba	70							
Toshiba	90	45/2mm						
Toshiba	130							
TRIULZI	All sizes and models							
VAN DORN	All sizes and models							
Windsor	All sizes and models							

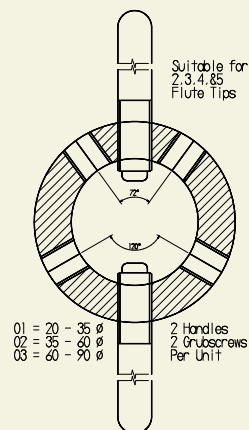
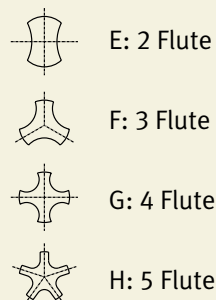
Spear/Stub



Check ring style



Flute design



Screwtip installation and removal spanner.

Available in 3 sizes to suit your diameter of screwtip. Can be used on 2, 3, 4 and 5 flute screwtips.

For Screwtips diameter	Part number
20 - 35mm	STW01
35 - 60mm	STW02
60 - 90mm	STW03
>90mm	STW04

Seal Ring Screwtip

For Worn Barrels

The perfect solution for worn barrels when you can't afford the down time to re-sleeve. Provides positive shot control and eliminates blow-back on barrels that have worn up to 0.6mm over original I.D.. Frictional heat/ streaking and discolouration are also minimized plus you can continue moulding with a pre-set cushion and retain part quality.



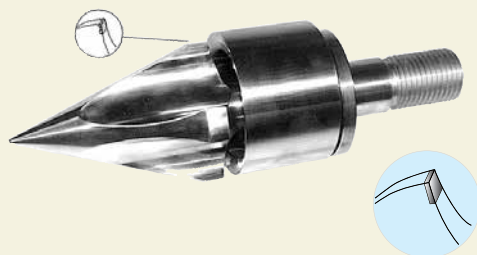
The Ultimate solution for high wear applications.

We offer the Ultimate screw-tip which is engineered of high performance materials, with particular attention focussed on areas of high wear:

ScrewTip (Retainer): The load-bearing flutes are engineered with ultra-hard Stellite insert pads which provide hardness of up to 62r/c and greatly enhance the working life of the screwtip. Further, the long-life characteristics of these inserts permits a reduction in load-bearing surface size, increasing flute size and improved flow characteristics.

Check Ring & Seat: Manufactured either from hardened and Nitrided H13 tool steel, or optionally from Particle Metallurgy CPM9V steel; very high Chromium & Vanadium composition, providing exceptionally high wear resistance & toughness. Allows very high polish & excellent free-flow characteristics. Seat (not body) is wear part, reducing maintenance & replacement costs.

Stellite Tip Screwtip



Ball-Check Valves

Style A- Standard Free Scoop

Lowest cost quality Anti-Flow Back device. A tough and long-lasting Ball Check for use when moulding common materials (styrene, polyolefin, etc.) that are not particularly heat sensitive or viscous. Low cost pin and ball insert can be replaced in minutes, providing inexpensive and easy maintenance. Special easy-flow design of inlet scoops provide full unrestricted melt flow.



Ball Check

For PVC & Viscous Materials

Industry standard for moulding rigid PVC or fluoropolymers. These highly viscous materials can't tolerate shear forces created by traditional 3 and 4 piece ring valves and ball checks. Smear Tips are chrome plated or polished stainless steel to reduce pitting caused by corrosive action and have hi-gloss finish to further reduce frictional heat.

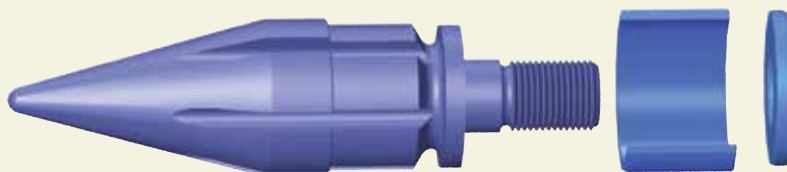


PVC Smear Tip

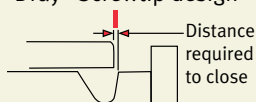


Available with spiral mixing flutes for improved mix homogeneity

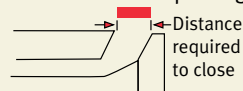
High performance Dray Valve



Dray® Screwtip design



Standard Screwtip design



Less Down Time: Ring check valves typically cause more downtime and part variation than other injection machine components. The Dray APV solves valve-related problems for injection moulding. The APV not only closes consistently, but does so without the use of pullback.

Rapid Pre-closure: Closure is achieved when the ring slides past the radial groove. Further sealing occurs when the ring contacts the upstream retainer. Sliding closure allows the valve to close positively while withstanding pack and hold pressures of 20,000 PSI without creeping into the cushion.

Low Pressure Drop, less weight variation: The APV does not require ring thickness for closure therefore minimal land length is utilized, translating to minimum recovery pressure drop. Minimised land length allows the APV to use 1/3 distance to close, resulting in less part weight variation.

Low restriction, fast recovery: This valve is substantially less restrictive than other valves. Less restriction means faster recovery along with less temperature rise.

Reduced wear: The APV shut-off does not require close ring O.D. to barrel I.D. tolerance, substantially reducing barrel wear. The unique configuration also enhances colour mixing and dispersion.