

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 9 mm]

Screw top vials and caps (12 x 32 mm) - 9 mm

Material	Vol.	Qty	P/N
Clear glass	2 ml	10 x 100	723594
Amber glass	2 ml	10 x 100	723985
Clear glass	2 ml with marking spot	10 x 100	723595
Amber glass	2 ml with marking spot	10 x 100	723984
Clear silanized glass	2 ml with marking spot	10 x 100	S31191
Amber silanized glass	2 ml with marking spot	10 x 100	E45561
Transparent polypropylene	2 ml	10 x 100	BE9870
Amber polypropylene	2 ml	10 x 100	BE9880

Inserts for screw vials (12 x 32 mm) - 9 mm

Vol.	Material	Type	Qty	P/N
50 µL	Clear glass	Conical with polyspring	100	292720
100 µL	Clear glass	Conical	10 x 100	330035
250 µL	Clear glass	Conical with polyspring	10 x 100	295141
250 µL	Clear glass	Flat bottom	500	306510
250 µL	Polypropylene	Conical	10 x 100	AP2350
250 µL	Polypropylene	Conical with polyspring	10 x 100	292860
400 µL	Polypropylene	Flat bottom	500	844970
250 µL	Clear silanized glass	Conical	100	BD3760
250 µL	Clear silanized glass	Conical with polyspring	100	844941

Assembled caps and septa 9/425

Septum	Qty	P/N
PTFE	10 x 100	BE6290
Red rubber/PTFE	10 x 100	827771
Silicone/PTFE	10 x 100	831511
Silicone/PTFE pre-slit	10 x 100	E45602
PTFE/Silicone/PTFE	10 x 100	844921
Silicone/PTFE Upti-Trace*	10 x 100	BE9910
Silicone/PTFE (Bonded closures)	10 x 100	BF0210
Silicone/PTFE pre-slit (Bonded closures)	10 x 100	BF0220

*Upti-Trace seals : silicone/PTFE seal - High purity for critical analysis



Autosampler compatibility

Agilent Technologies : all models
 Waters Alliance : 2690/HT
 Spectra-Physics :
 Spectrasystem : 8875/8880
 Varian : 8100/8200, 8035, series 8000 Marathon/Vista
 Hitachi : AS-2000/4000

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 9 mm]

Empty caps 9/425

Item	Material	Qty	P/N
Blue caps 9/425	Polypropylene	10 x 100	R59950

(additional colors available upon request)

Septum 9 mm

Septum	Qty	P/N
PTFE	10 x 100	T08990
Red rubber/PTFE	10 x 100	T24594
Silicone/PTFE	10 x 100	T24614
Silicone/PTFE Pre-slit	10 x 100	T33840
PTFE/Silicone/PTFE	10 x 100	T24644

High recovery screw thread caps 9 mm

Vol.	Material	Type	Qty	P/N
1.5 ml	Clear glass	30 µL Reservoir	100	839180
1.5 ml	Amber glass	30 µL Reservoir	100	T33860

Microvolume screw thread vials 9 mm

Vol.	Material	Type	Qty	P/N
100 µL	Polypropylene		10 x 100	U74130
300 µL	Polypropylene		10 x 100	R06290
300 µL	Amber Polypropylene		10 x 100	BE6070
850 µL	Clear glass		100	S21411
350 µL	Clear glass		100	R51230
350 µL	Clear glass		100	T33870
1,5 ml	Clear glass	Micro-V with reservoir 15µL	100	T33880
1,5 ml	Amber glass	Micro-V with reservoir 15µL	100	T33890
200 µL	Polypropylene	Glass insert	10 x 100	BT5030



Septa 9 mm



839180



839180 - T33860



T33890

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 9 mm]

Unassembled vial caps and septa 9 mm kit

Material	Septum	Qty	P/N
Clear glass	Red rubber/PTFE	10 x 100	293984
Amber glass	Red rubber/PTFE	10 x 100	309673
Clear glass with marking spot	Red rubber/PTFE	10 x 100	293985
Clear glass	Silicone/PTFE	10 x 100	309574
Amber glass	Silicone/PTFE	10 x 100	S72230
Clear glass with marking spot	Silicone/PTFE	10 x 100	T33850
Clear glass	PTFE/Silicone/PTFE	10 x 100	309664
Amber glass	PTFE/Silicone/PTFE	10 x 100	309745



Unassembled vial, caps and septa 9 mm in store-room

Material	Septum	Qty	P/N
Clear glass	Red rubber/PTFE	500	AA6140
Clear glass	Silicone/PTFE	500	AA6130
Amber glass	Red rubber/PTFE	500	AA6160
Amber glass	Silicone/PTFE	500	AA6150



BU0640



BU0630

Accessories

The mini storeroom has 6 drawers. Five drawers are designed to hold 1 vial pack each and one drawer for 500 caps. The unit allows users to visualise when product re-stocking is necessary.

Description	Qty	P/N
Storeroom, 6 drawers	1	U78040
Storeroom, 9 drawers	1	782360
Storage rack with lid for 12 x 32, 2 ml vials, holds 100 vials	5	BU0630
Polystyrene rack for 12 x 32, 2 ml vials, holds 100 vials	5	BU0640



782360

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 8 mm]

Screw top vials and caps (12 x 32 mm) - 8 mm

Borosilicate glass type 1 class A

Material	Vol.		Qty	P/N
Clear glass	2 ml		10 x 100	360190
Amber glass	2 ml		10 x 100	296620
Clear glass	2 ml	with marking spot	10 x 100	282610
Amber glass	2 ml	with marking spot	10 x 100	282660
Clear silanized glass	2 ml	with marking spot	10 x 100	E45541
Clear glass conical	1.1 ml		10 x 100	567340



282660 - 296620

Inserts for screw vials (12 x 32 mm) 8 mm

Vol.	Material	Type	Qty	P/N
50 µL	Clear glass	Conical with polyspring	10 x 100	282820
100 µL	Clear glass	Conical with polyspring	10 x 100	675510
100 µL	Clear glass	Conical	100	315560
200 µL	Clear glass	Conical	100	343030
250 µL	Clear glass	Flat bottom	10 x 100	285920
100 µL	Polypropylene	Conical with polyspring	10 x 100	AZ4120
100 µL	Polypropylene	Conical	100	U75880



360190 - 282610

Microvolume screw thread vials 8 mm

Vol.	Material	Type	Qty	P/N
100 µL	Clear glass		12	282910
100 µL	Polypropylene	Glass Insert	100	282930
100 µL	Amber Polypropylene	Glass Insert	10 x 100	282931
100 µL	Polypropylene		10 x 100	313140
250 µL	Polypropylene		10 x 100	963270
250 µL	Polypropylene	Glass Insert	100	177700
300 µL	Polypropylene		10 x 100	963280
500 µL	Polypropylene		10 x 100	963290



282910 - 282930 - 313140

Autosampler compatibility

Hitachi : AS-2000, AS-4000
Spectra Physics : 8875/8880
Shimadzu : SIL-6B, SIL-7A, SIL-8A, SIL-9A, AOC-14/1400
Varian : 8100/8200, 8035, series 8000 Marathon/Vista

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 8 mm]

Assembled caps and septa 8/425

Septum	Color	Qty	P/N
Butyl/PTFE	Black	10 x 100	583481
Silicone/PTFE	Black	10 x 100	227140
Silicone/PTFE Upti-Trace*	Black	10 x 100	BF0080
Silicone/PTFE	Yellow for shimadzu autosampler	10 x 100	R58310
Silicone/PTFE pre-slit	Black	10 x 100	818910
PTFE/Silicone/PTFE	Black	10 x 100	Q95140

* Upti-Trace : Silicone /PTFE high purity septa for GC/MS



227140

Empty caps 8/425

Color	Material	Qty	P/N
Black	Polypropylene	10 x 100	282940
Black for Shimadzu	Polypropylene	10 x 100	583442
Green	Polypropylene	10 x 100	583520
Red	Polypropylene	10 x 100	282950
Yellow	Polypropylene	10 x 100	583440
Yellow for Shimadzu	Polypropylene	10 x 100	583441
Blue	Polypropylene	10 x 100	583510
Molded Polypropylene 0.25mm	Polypropylene	10 x 100	743790



Solid top storage caps 8/425

Septum	Qty	P/N
PTFE	100	979580
Without septum	10 x 100	193681



979580



282940

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 8 mm]

Septa 8 mm

Septum	Qty.	P/N
PTFE	10 x 100	969700
PTFE pre-slit	10 x 100	282980
Red rubber/PTFE	10 x 100	305980
Silicone/Red PTFE	10 x 100	398110
Silicone/Blue PTFE	10 x 100	420180
Silicone/Blue PTFE pre-slit	10 x 100	662210
PTFE/Silicone/PTFE	10 x 100	969900



Unassembled 2 ml screw vials 8 mm, caps and septa kits

Material	Septa	Qty	P/N
Clear glass	Molded Polypropylene	10 x 100	993270
Clear glass	PTFE	10 x 100	992040
Clear glass	Butyl/PTFE	10 x 100	494120
Amber glass	Butyl/PTFE	10 x 100	BU0990
Clear glass	Silicone/PTFE	10 x 100	771540
Amber glass	Silicone/PTFE	10 x 100	760470

Assembled vials, caps and septa 8 mm kits

Material	Septum	Qty	P/N
Clear glass	PTFE	10 x 100	293040
Clear glass	PTFE	10 x 100	R50290
Clear glass	Butyl/PTFE	10 x 100	312690
Amber glass	Butyl/PTFE	10 x 100	BU0930
Clear glass	Silicone/PTFE	10 x 100	293030
Amber glass	Silicone/PTFE	10 x 100	293070

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 8 mm]

Unassembled vials, caps and septa 8 mm in store-room

Material		Septum	Qty	P/N
Clear glass		Butyl/PTFE	500	BU0740
Clear glass	with marking spot	Butyl/PTFE	500	BU0750
Amber glass		Butyl/PTFE	500	BU0760
Amber glass	with marking spot	Butyl/PTFE	500	BU0770
Clear glass		Silicone/PTFE	500	BU0780
Clear glass	with marking spot	Silicone/PTFE	500	BU0790
Amber glass		Silicone/PTFE	500	BU0800
Amber glass	with marking spot	Silicone/PTFE	500	BU0810

Accessories

Description	Qty	P/N
Storeroom, 6 drawers	1	U78040
Storeroom, 9 drawers	1	782360
Storage rack with lid for 12 x 32, 2 ml vials, hold 100 vials	5	BU0630
Polystyrene rack for 12 x 32, 2 ml vials, hold 50 vials	5	BU0640



782360



BU0640



BU0630

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 10 mm]

Screw top vials and caps (12 x 32 mm) 10 mm

Borosilicate glass type 1 class A

Material	Vol.		Qty	P/N
Clear glass	2 ml		10 x 100	270290
Amber glass	2 ml		10 x 100	527920
Clear glass	2 ml	with marking spot	10 x 100	982280
Amber glass	2 ml	with marking spot	10 x 100	E45851
Clear silanized glass	2 ml	with marking spot	10 x 100	BD3740
Polypropylene	750 µL		10 x 100	BC0700
Polypropylene	500 µL		10 x 100	U57170



E45851-527920

270290-982280

Inserts for screw vials (12 x 32 mm) 10 mm

Vol.	Material	Type	Qty	P/N
50 µL	Clear glass	Conical w /polyspring	10 x 100	292720
250 µL	Clear glass	Conical w /polyspring	10 x 100	295140
250 µL	Clear glass	Conical	10 x 100	U78191
350 µL	Clear glass	Flat bottom	10 x 100	469120
250 µL	Polypropylene	Conical w /polyspring	10 x 100	292860
250 µL	Polypropylene	Conical	10 x 100	AP2350



292720 - 295140 - 292860 - AP2350

Assembled caps and septa 10/425

Septa	Color	Qty	P/N
Butyl/PTFE	Black	10 x 100	BC0710
Silicone/PTFE	Black	10 x 100	534120
Silicone/PTFE pre-slit	Black	10 x 100	BF0150
PTFE/Silicone/PTFE	Black	10 x 100	AK9062

Empty caps 10/425

Color	Material	Qty	P/N
Black	Polypropylene	10 x 100	527930
Green	Polypropylene	10 x 100	R04550
Red	Polypropylene	10 x 100	R04560
Yellow	Polypropylene	10 x 100	R04580
Blue	Polypropylene	10 x 100	R04540
White	Polypropylene	10 x 100	R04570

Autosampler compatibility

Hitachi : AS-2000, AS-4000
 Spectra Physics : 8875/8880
 Shimadzu : SIL-6B, SIL-7A, SIL-8A, SIL-9A, AOC-14/1400
 Varian : 8100/8200, 8035, series 8000 Marathon/Vista

Sample Prep - Vials

Screw top vials and caps - [(12 x 32 mm) - 10 mm]

Solid top storage cap 10/425

Septa	Qty	P/N
PTFE	10 x 100	270310
Without septum	10 x 100	429980



Septa 10 mm

Septa	Qty	P/N
PTFE	10 x 100	527940
Rubber/PTFE	10 x 100	527950
Silicone/Red PTFE	10 x 100	527980
Silicone/Red PTFE pre-slit	10 x 100	BC0720
PTFE/Silicone/PTFE	10 x 100	422620



Screw top vials (12 x 32 mm) - 10 mm

Material	Septa	Qty	P/N
Clear glass	Butyl/PTFE	10 x 100	BU0890
Clear glass	Silicone/PTFE	10 x 100	845230
Clear glass	PTFE/Silicone/PTFE	10 x 100	BU0900



645140

Assembled vials, caps and septa 10 mm kits

Material	Septa	Qty	P/N
Clear glass	PTFE	10 x 100	BC0740
Clear glass	Butyl/PTFE	10 x 100	BC0750
Clear glass	Silicone/PTFE	10 x 100	645140
Clear glass	PTFE/Silicone/PTFE	10 x 100	BC1910



U78040

Accessories

Description	Qty	P/N
Storeroom, 6 drawers	1	U78040
Storeroom, 9 drawers	1	782360
Storage rack with lid for 12 x 32, 2 ml vials, hold 100 vials	5	BU0630
Polystyrene rack for 12 x 32, 2 ml vials, hold 50 vials	5	BU0640



BU0630

Sample Prep - Vials

Shell vial system - [(12 x 32 mm) - 2 ml]

Shell vials

Material	Qty	P/N
Clear glass	10 x 100	BB4980
Amber class	10 x 100	BB5010
Polypropylene	10 x 100	BB5020

Shell vials and polyethylene caps

Material	Qty	P/N
Clear glass	10 x 100	BB4930
Amber glass	10 x 100	BB4940
Polypropylene	10 x 100	AM2570
Polyethylene caps	10 x 100	AM2590



BB4980

Sample Prep - Vials

Crimp top vials and caps - [(12 x 32 mm) - wide opening]

Crimp vials (12 x 32 mm) - wide opening

Material	Vol.		Qty	P/N
Clear glass	2 ml		10 x 100	112220
Amber glass	2 ml		10 x 100	090500
Clear glass	2 ml	with marking spot	10 x 100	315053
Amber glass	2 ml	with marking spot	10 x 100	645128
Clear glass	1.1 ml		10 x 100	566460
Clear silanized glass	2 ml	with marking spot	10 x 100	E46751



566460

Inserts

Vol.	Material	Type	Qty	P/N
50 µL	Clear glass	Conical w /polyspring	100	292720
250 µL	Clear glass	Conical	10 x 100	U78191
250 µL	Clear glass	Conical w /polyspring	10 x 100	295141
250 µL	Polypropylene	Conical	10 x 100	AP2350
250 µL	Polypropylene	Conical w /polyspring	10 x 100	292860
350 µL	Clear glass	Flat bottom	10 x 100	469120
250 µL	Clear silanized glass	Conical w /polyspring	100	844941



819310 - 967350

Microvolume vials

Vol.	Material	Type	Qty	P/N
100 µL	Polypropylene	Glass Insert	100	313170
350 µL	Clear glass		10 x 100	349060
100 µL	Polypropylene		10 x 100	819310
200 µL	Polypropylene		10 x 100	673200
300 µL	Polypropylene		10 x 100	659780
500 µL	Polypropylene		10 x 100	967350
1000 µL	TPX		10 x 100	962612

Autosampler compatibility

Agilent Technologies : All models
Spectra Physics : 8875/8880
Varian : 8100/8200, 8035/9095, Marathon /Vista

Sample Prep - Vials

Crimp top vials and caps - [(12 x 32 mm) - wide opening]

Crimp and snap vials

Using aluminium or polyethylene caps

Material	Vol.		Qty	P/N
Clear glass	2 ml		10 x 100	289330
Amber glass	2 ml		10 x 100	122960
Clear glass	2 ml	with marking spot	10 x 100	315050
Amber glass	2 ml	with marking spot	10 x 100	645120

Snap vials

Using only polyethylene caps

Material	Vol.		Qty	P/N
Clear glass	2 ml		10 x 100	290920
Clear glass	2 ml	with marking spot	10 x 100	290926
Amber glass	2 ml	with marking spot	10 x 100	292660
Clear glass	2 ml	Silanized glass and marking spot	10 x 100	BD3750



290920

292660

11 mm aluminium caps

For crimp vials

Septa	Material		Qty	P/N
PTFE 0.25mm	Aluminium		10 x 100	324150
Butyl/PTFE	Aluminium		10 x 100	290610
Silicone/PTFE	Aluminium		10 x 100	213920
Silicone/PTFE Upti-Trace	Aluminium		10 x 100	BE9940
Silicone/PTFE Pre-Slit	Aluminium		10 x 100	871471
PTFE/Silicone/PTFE	Aluminium		10 x 100	964640



11 mm aluminium caps

11 mm polyethylene caps for snap vials

Septa	Material		Qty	P/N
Flip top polyethylene	Polyethylene		10 x 100	181820
Teflon	Polyethylene		10 x 100	292930
Butyl/PTFE	Polyethylene		10 x 100	29294
Silicone/PTFE	Polyethylene		10 x 100	181995
Silicone/PTFE slit	Polyethylene		10 x 100	380571
Silicone/PTFE Upti-Trace	Polyethylene		10 x 100	BE9950
PTFE/Silicone/PTFE	Polyethylene		10 x 100	182042



11 mm polyethylene caps

Sample Prep - Vials

Crimp top vials and caps - [(12 x 32 mm) - wide opening]

Unassembled vials, caps and septa kits

Material	Septum	Qty	P/N
Clear glass	Butyl/PTFE	10 x 100	788880
Clear glass with marking spot	Butyl/PTFE	10 x 100	BF6490
Clear glass	Silicone/PTFE	10 x 100	213910
Clear glass with marking spot	Silicone/PTFE	10 x 100	BU0690
Amber glass	Butyl/PTFE	10 x 100	L74702
Amber glass with marking spot	Butyl/PTFE	10 x 100	U68650
Amber glass	Silicone/PTFE	10 x 100	L74691
Amber glass with marking spot	Silicone/PTFE	10 x 100	BU0700

Pre-sealed vials kit

Material	Septum	Qty	P/N
Clear glass	Butyl/PTFE	10 x 100	78888P
Clear glass	Silicone/PTFE	10 x 100	213912
Amber glass	Butyl/PTFE	10 x 100	BD4680
Amber glass	Silicone/PTFE	10 x 100	BI6240



78888P

Pre-sealed vacuum vials for automated sample withdrawal (~ 0.5 ml)

Material	Septum	Qty	P/N
Clear glass	Silicone/PTFE	1 x 100	BY7320

Vial Kit - complete with vials, caps & storeroom

Material	Septum	Qty	P/N
Clear glass	Butyl/PTFE	500	AA6170
Clear glass with marking spot	Butyl/PTFE	500	BU0650
Amber glass	Butyl/PTFE	500	AA6190
Amber glass with marking spot	Butyl/PTFE	500	BU0660
Clear glass	Silicone/PTFE	500	AA6180
Clear glass with marking spot	Silicone/PTFE	500	BU0670
Amber glass	Silicone/PTFE	500	AA6200
Amber glass with marking spot	Silicone/PTFE	500	BU0680

Sample Prep - Vials

Crimp top vials and caps - [(12 x 32 mm) - wide opening]

Accessories

Description	Qty	P/N
Storeroom, 6 drawers	1	U78040
Storeroom, 9 drawers	1	782360
Storage rack with lid for 12 x 32, 2 ml vials, holds 180 vials	5	BU0630
Polystyrene rack for 12 x 32, 2 ml vials, holds 50 vials	5	BU0640
Manual crimper 11 mm	1	176980
Manual decrimper 11 mm	1	177040
Decapping pliers 11 mm	1	177013



BU0630



176980 - 177040



Sample Prep - Vials

Screw thread vials - [(15 x 45 mm) - 4 ml]

Screw thread wide opening vial

Material	Vol.		Qty	P/N
Clear glass	4 ml		10 x 100	181859
Amber glass	4 ml		10 x 100	360160
Clear glass	4 ml	with marking spot	10 x 100	293630
Amber glass	4 ml	with marking spot	10 x 100	293650
Clear silanized glass	4 ml		10 x 100	181858
Polypropylene	2.5 ml		10 x 100	661210



181859

293630



294010 - 400320

Inserts

Vol.	Material	Type	Qty	P/N
250 µL	Clear glass	Conical	10 x 100	202140*
300 µL	Clear glass	Conical with polyspring	10 x 100	294000
500 µL	Clear glass	Flat bottom	10 x 100	205360
300 µL	Polypropylene	Conical with polyspring	10 x 100	294010
300 µL	Polypropylene	Conical	10 x 100	400320
500 µL	Clear silanized	Conical with polyspring	10 x 100	BD3770
		Metal spring	10 x 100	210360

* requires metal spring



Assembled screw caps with septa

Assembled screw caps with septa

Septum	Qty	P/N
Butyl/PTFE	10 x 100	839870
Silicone/PTFE	10 x 100	530080
PTFE/Silicone/PTFE	10 x 100	F98560



Septa

13 mm Caps

Color	Material	Qty	P/N
Black	Polypropylene	10 x 100	181890
Red	Polypropylene	10 x 100	293280
Green	Polypropylene	10 x 100	293300
Molded polypropylene		10 x 100	246140

Autosampler compatibility

Agilent : 7673A, 6850
 Kontron : MSI660
 Shimadzu : AOC-14/1400, AOC-17/20/20i/20s, LC-10A,
 SIL-2AS/6B/7A/8A/9A/10A/10AF/10AP/10Ai/10AXL/
 10ADvp/HT
 Varian : Prostar 410/420
 Lachrom : L2200
 Waters : Wips 48 position

Sample Prep - Vials

Screw thread vials - [(15 x 45 mm) - 4 ml]

Empty caps 13/425

Material	Qty	P/N
PTFE 0.25 mm	10 x 100	452500
Butyl/PTFE	10 x 100	293400
Silicone/PTFE 1.5 mm thick	10 x 100	293380
Silicone/PTFE 1.9 mm thick	10 x 100	189630
Silicone/PTFE 1.5 mm thick	10 x 100	293420
PTFE/Silicone/PTFE	10 x 100	293430

Solid top storage caps 13 mm

Septum	Material	Qty	P/N
Joint PTFE	Polypropylene	10 x 100	773820
Without septum	Polypropylene	10 x 100	BC1740

Assembled 4 ml screw vial, caps and septa kits

Material	Septum	Qty	P/N
Clear glass	PTFE	10 x 100	294080
Clear glass	Butyl/PTFE	10 x 100	294210
Clear glass	Silicone/PTFE	10 x 100	294330
Clear glass	PTFE/Silicone/PTFE	10 x 100	294350
Amber glass	PTFE	10 x 100	294460
Amber glass	Butyl/PTFE	10 x 100	294500
Amber glass	Silicone/PTFE	10 x 100	294510
Amber glass	PTFE/Silicone/PTFE	10 x 100	294520

Unassembled 4 ml screw vial, caps and septa kits

Material	Septum	Qty	P/N
Clear	PTFE	10 x 100	760410
Clear	Butyl/PTFE	10 x 100	BX3550
Clear	Silicone/PTFE	10 x 100	760430
Clear	Silicone/PTFE pre-slit*	10 x 100	BV5130
Clear	Silicone/PTFE*	10 x 100	BX3560
Clear	PTFE/Silicone/PTFE	10 x 100	BC1940
Amber	Butyl/PTFE	10 x 100	BX3600
Amber	Silicone/PTFE	10 x 100	760440
Amber	Silicone/PTFE*	10 x 100	BU0910
Amber	Silicone/PTFE pre-slit*	10 x 100	BX3570
Amber	PTFE/Silicone/PTFE	10 x 100	BX3590

Accessories

Description	Qty	P/N
Polystyrene rack for 15 x 45, 4 ml vials, hold 100 vials	5	U20351
Storage rack with lid for 15 x 45, 4 ml vials, hold 50 vials	5	BU0830



Solid top storage caps



294080



U20351

BU0830

Sample Prep - Vials

Crimp top vials - [(15 x 45 mm) - 4 ml]

15 x 45 mm 4 ml Crimp top vials

Using 13 mm aluminium or polyethylene caps

Material	Vol.		Qty	P/N
Clear glass	2 ml		10 x 100	350640
Clear glass	2 ml	with marking spot	10 x 100	T82650
Amber glass	2 ml		10 x 100	R59940
Amber glass	2 ml	with marking spot	10 x 100	BC0760

Inserts

Material	Vol.		Qty	P/N
Clear glass	300 µL	Conical with polyspring	100	294000
Clear glass	500 µL	Flat bottom	10 x 100	205360
Polypropylene	300 µL	Conical	10 x 100	400320
Polypropylene	300 µL	Conical with polyspring	10 x 100	294010



350640 - R59940



294010 - 400320

13 mm Aluminium crimp caps

Septum	Material	Qty	P/N
PTFE 0.25 mm	Aluminium	10 x 100	350890
Butyl/PTFE	Aluminium	10 x 100	350900
Silicone/PTFE	Aluminium	10 x 100	350920
PTFE/Silicone/PTFE	Aluminium	10 x 100	351440



13 mm aluminium caps

13 mm Polyethylene snap caps

Septum	Material	Qty	P/N
PTFE	Polyethylene	10 x 100	350750
Butyl/PTFE	Polyethylene	10 x 100	350870
Silicone/PTFE	Polyethylene	10 x 100	350780
PTFE/Silicone/PTFE	Polyethylene	10 x 100	350880



13 mm polyethylene caps

Autosampler compatibility

Waters : Wisp 48
Shimadzu, Spectra Physics

Sample Prep - Vials

Crimp top vials and caps - [(15 x 45 mm) - 4 ml]

Shell vial kits

Material	Vol.		Qty	P/N
Clear glass	4 ml		10 x 100	967950
Amber glass	4 ml		10 x 100	967960
Polypropylene	4 ml		10 x 100	747240
Polypropylene	3 ml	Conical	10 x 100	967940
Clear glass	4 ml	Only vials	10 x 100	956630
Only polyethylene caps			10 x 100	997350



967940 - 967950

Accessories

Description	Qty	P/N
Polystyrene rack for 15 x 45, 4 ml vials, hold 100 vials	5	U20351
Storage rack with lid for 15 x 45, 4 ml vials, hold 50 vials	5	BU0830
Manual crimper 13 mm	1	176990
Manual decrimper 13 mm	1	177050
Decapping pliers 13 mm	1	177022



176990 - 177022 - 177050

Sample Prep - Vials

Shell vials caps - [(8 x 40 mm) - 1 ml]

Shell vials kits

Material	Vol.	Qty	P/N
Clear glass	1 ml	5 x 200	197850
Amber glass	1 ml	5 x 200	197860
Polypropylene	1 ml	5 x 200	847180
Polypropylene	700 µl	4 x 250	967920
Clear glass without snap cap	1 ml	5 x 200	164150

Polyethylene Caps

Description	Qty	P/N
Polyethylene caps	2 x 500	198110

Inserts

Material	Vol.		Qty	P/N
Clear glass	100 µL	Conical with polyspring	100	329320
Clear glass	150 µL	Conical (requires metal spring)	100	329300
Clear silanized glass	150 µL	Conical with polyspring	100	AM7980
Polypropylene	200 µL	Conical	10 x 100	329340
		Metal spring	100	329350



197850 - 197860



329320



329350

Autosampler compatibility

Shimadzu : SIL-10ADvp
Waters : 96 position

Sample Prep - Vials

Headspace and SPME vials

Headspace crimp vials

Material	Vol.		Qty	P/N
Agilent Technologies				
Clear glass	6 ml	Flat bottom 38 x 20 mm	10 x 100	BF0780
Clear glass	10 ml	Flat bottom 46 x 22.5 mm	10 x 100	BU2831
Clear glass	20 ml	Flat bottom 75.5 x 22.5 mm	10 x 100	BU2971
CTC PAL (Varian, Gerstel, Atas, Shimadzu)				
Clear glass	10 ml	Round bottom 46 x 22.5 mm	10 x 100	BU3240
Amber glass	10 ml	Round bottom 46 x 22.5 mm	10 x 100	BX7810
Clear glass	20 ml	Round bottom 75.5 x 22.5 mm	10 x 100	426950
Amber glass	20 ml	Round bottom 75.5 x 22.5 mm	10 x 100	BX7850
Dani				
Clear glass	10 ml	Round bottom 46 x 23 mm	10 x 100	793351
Clear glass	20 ml	Round bottom 75.5 x 23 mm	10 x 100	BF2560*
Clear glass	10 ml	Flat bottom 46 x 22.5 mm	10 x 100	BU2831
Clear glass	20 ml	Flat bottom 75.5 x 22.5 mm	10 x 100	BU2971
Perkin Elmer				
Clear glass	6 ml	Round bottom 38.2 x 22 mm	10 x 100	793367
Clear glass	10 ml	Round bottom 46 x 23 mm	10 x 100	793351
Clear glass	20 ml	Round bottom 75.5 x 23 mm	10 x 100	BF2560*
Amber glass	20 ml	Round bottom 75.5 x 23 mm	10 x 100	AP1842*
Clear glass	20 ml	Round bottom 75.5 x 23 mm with marking spot	10 x 100	BF1770
Shimadzu				
Clear glass	20 ml	Round bottom 75.5 x 22 mm	10 x 100	426950
Amber glass	20 ml	Round bottom 75.5 x 22 mm	10 x 100	BX7850
Clear glass	27 ml	Round bottom 58 x 30 mm	10 x 100	BX3460
Tekmar, Varian				
Clear glass	6 ml	Flat bottom 38 x 20 mm	10 x 100	BF0780
Clear glass	10 ml	Flat bottom 24.4 x 20 mm	10 x 100	BU3250
Clear glass	20 ml	Round bottom 75.5 x 23 mm	10 x 100	BF2560*

* bevelled neck



Sample Prep - Vials

Headspace and SPME vials

Vial round bottom SPME (CTC PAL SMPE)

Material	Vol.	Septum	Qty	P/N
Clear glass	20 ml	Round bottom 75.5 x 22.5 mm	10 x 100	BE6340

Caps (without septa)

Material	Qty	P/N
Centre hole caps	10 x 100	361840
Pressure release aluminium caps	10 x 100	296290
Magnetic caps	10 x 100	296270
Complete tear-off caps	10 x 100	176973

Septa 20 mm

Material	Qty	P/N
Silicone/Transparent PTFE	10 x 100	305600
Silicone/PTFE	10 x 100	305601
Butyl/PTFE	10 x 100	176811
Butyl/PTFE	10 x 100	297480
Pharma-fix Butyl/PTFE	10 x 100	BG5720
Stopper butyl	10 x 100	BE9130

20 mm Crimp seals w/prefitted septa for headspace vials

Material	Septum	Qty	P/N
Centre Hole caps	Butyl/PTFE	10 x 100	989820
Centre Hole caps	Pharma-Fix Butyl/PTFE	10 x 100	AZ6741
Centre Hole caps	Silicone/PTFE	10 x 100	313190
Centre Hole caps	Pharmafix Silicone/PTFE	10 x 100	BF0170
Centre Hole caps	Silicone/Aluminium	10 x 100	BF4960
Centre Hole caps	Silicone/PTFE Upti-Trace	10 x 100	BE9960
Pressure release	Butyl/PTFE	10 x 100	356000
Pressure release	Pharmafix Butyl/PTFE	10 x 100	BE6370
Pressure release	Butyl/PTFE molded	10 x 100	313200
Pressure release	Silicone/PTFE	10 x 100	356060
Pressure release	Silicone/Aluminium	10 x 100	AA1511
Pressure release	Silicone/PTFE Upti-Trace	10 x 100	BE9980



BE6340



BE9130

BG5720

305600

176811



Centre Hole caps



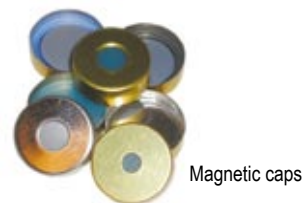
Pressure release caps

Sample Prep - Vials

Headspace and SPME vials

20 mm Magnetic caps

Material	Septum	Qty	P/N
Magnetic	Butyl/PTFE - Opening size 5 mm	10 x 100	356070
Magnetic	Butyl/PTFE - Opening size 8 mm	10 x 100	356071
Magnetic	Pharmafix Butyl/PTFE - Opening size 5 mm	10 x 100	BE6380
Magnetic	Pharmafix Butyl/PTFE - Opening size 8 mm	10 x 100	BE6390
Magnetic	Silicone/PTFE - Opening size 8 mm	10 x 100	356090
Magnetic	Pharmafix Silicone/PTFE - Opening size 8 mm	10 x 100	BF0200
Magnetic	Silicone/Aluminium - Opening size 5 mm	10 x 100	BF4980
Magnetic	Silicone/PTFE Upti-Trace - Opening size 5 mm	10 x 100	BF0000
Magnetic	Silicone/PTFE Upti-Trace - Opening size 8 mm	10 x 100	BF0040



20 mm crimp seals w/prefitted septa for SPME vials

Material	Septum	Qty	P/N
Magnetic	Black Viton	10 x 100	BH3840
Magnetic	Silicone/PTFE	10 x 100	BM9790



22 mm Polyethylene caps w/prefitted septa

Not for use with bevelled neck headspace vials

Material	Septum	Size	Qty	P/N
Polyethylene	Butyl/PTFE	22 x 9.1 mm	10 x 100	728562
Polyethylene	Silicone/PTFE	22 x 9.1 mm	10 x 100	BM3490



22 mm Polyethylene caps w/prefitted septa

(for bevelled neck)

Material	Septum	Dimensions	Qty	P/N
Polyethylene	Butyl/PTFE	22 x 8.4 mm	10 x 100	CD3190
Polyethylene	Silicone/PTFE	22 x 8.4 mm	10 x 100	CD3200

Headspace screw thread vial for CTC

Material	Septum	Qty	P/N	
Clear glass	10 ml	Round bottom 46 x 22.5 mm	10 x 100	BE6350
Clear glass	10 ml	Round bottom 46 x 22.5 mm	10 x 100	BX3500
Clear glass	20 ml	Round bottom 75.5 x 22.5 mm	10 x 100	BC0641
Clear glass	20 ml	Round bottom 75.5 x 22.5 mm	10 x 100	BU8800



Sample Prep - Vials

Headspace and SPME vials

18 mm screw caps w/prefitted septa

CTC (Varian, Gerstel, Atas, Shimadzu, Agilent)

Material	Septum	Qty	P/N
Magnetic	Butyl/PTFE	10 x 100	BE7560
Magnetic	Silicone/PTFE	10 x 100	BE7550

Headspace screw thread vials

Perkin Elmer

Material	Vol.		Qty	P/N
Clear glass	20 ml	Round bottom 75.5 x 23 mm	10 x 100	BT1660



18 mm screw caps w/prefitted septa

Perkin Elmer

Material	Septum	Qty	P/N
Polypropylene black	Butyl/PTFE	10 x 100	BF4990
Polypropylene black	Silicone/PTFE	10 x 100	BF5000

Accessories

Description	Qty	P/N
20 mm manual crimper	1	177000
20 mm manual decrimper	1	177060
20 mm decapping pliers	1	177033

Sample Prep - Vials

Microvolume crimp vials

6 x 32 mm

Material	Vol.		Qty	P/N
Clear glass	300 µL	Round bottom	10 x 100	427866
Clear glass	200 µL	Conical	10 x 100	793340

(Agilent, Gilson 221/231XL, Perkin Elmer, Fisons AS100/300/800)

7 x 30 mm

Material	Vol.		Qty	P/N
Amber glass	500 µL	Conical	10 x 100	952442
Amber glass	700 µL	Round bottom	10 x 100	A19420

(HP1050 (34 positions) 7683A, Perkin Elmer AS2000)

7 x 40 mm

Material	Vol.		Qty	P/N
Clear glass	700 µL	Flat bottom	10 x 100	303758
Amber glass	700 µL	Flat bottom	10 x 100	392287

(Beckman, Carlo Erba, Gilson)

7 x 40 mm

Material	Vol.		Qty	P/N
Clear glass	700 µL	Conical	10 x 100	30375U
Amber glass	700 µL	Conical	10 x 100	392288

(Beckman, Carlo Erba, Gilson)

8 x 30 mm

Material	Vol.		Qty	P/N
Clear glass	800 µL		200	303822
Amber glass	800 µL		200	303844

(Perkin-Elmer, Dynatech, Carlo Erba (60 position))

8 x 40 mm

Material	Vol.		Qty	P/N
Clear glass	1.2 ml		10 x 100	BU2820
Amber glass	1.2 ml		10 x 100	CD1730

(Carlo Erba AS800, Spectra Physics AS3000, Thermo)



793340



952442 - A19420



392288 - 30375U



303822 - 303844



BU2820 - CD1730

Sample Prep - Vials

Microvolume crimp caps

8 mm aluminium caps

Septum	Material	Qty	P/N
PTFE	Aluminium	10 x 100	303860
Butyl/PTFE	Aluminium	10 x 100	387490
Silicone/PTFE	Aluminium	10 x 100	304350
Silicone/PTFE pre-slit	Aluminium	10 x 100	CD1770
PTFE/Silicone/PTFE	Aluminium	10 x 100	304363
Viton	Aluminium	10 x 100	304392



Aluminium caps

8 mm Polyethylene caps

Septum	Material	Qty	P/N
Molded polyethylene	Polyethylene	10 x 100	666450
PTFE	Polyethylene	10 x 100	BC1950
Butyl/PTFE	Polyethylene	10 x 100	AK1260
Silicone/PTFE	Polyethylene	10 x 100	AK1270
PTFE/Silicone/PTFE	Polyethylene	10 x 100	BC1970



Polyethylene caps

Accessories

Description	Qty	P/N
8 mm manual crimper	1	359801
8 mm manual decrimper	1	824160
Decapping pliers	1	498820

Sample Prep - Vials

Antibiotic vials

Description	2ml	8ml	10ml	24ml	36ml	50ml	100ml
Aperture	13mm	20mm	20mm	20mm	20mm	20mm	20mm
Clear glass							
P/N	177161	177170	177180	592620	177200	177211	177220
Qty	288	224	187	140	156	130	88
Amber glass							
P/N		280400	177230	177240	CE9810	177252	177261
Qty		255	168	140	84	80	63
Butyl PTFE septum							
P/N	176800	176814	176814	176814	176814	176814	176814
Qty	100	100	100	100	100	100	100
Silicone PTFE septum							
P/N			305605	305605	305605	305605	305605
Qty			100	100	100	100	100
Butyl septum							
P/N	176780	176790	176790	176790	176790	176790	176790
Qty	100	100	100	100	100	100	100
Silicone septum							
P/N			176843	176843	176843	176843	176843
Qty			100	100	100	100	100
Butyl PTFE septum							
P/N			236240	236240	236240	236240	236240
Qty			100	100	100	100	100
Aluminium center hole cap							
P/N			361841	361841	361841	361841	361841
Qty			100	100	100	100	100
Aluminium center tear-off cap							
P/N	176932	176940	176940	176940	176940	176940	176940
Qty	100	100	100	100	100	100	100
Complete tear-off cap							
P/N	176961	176970	176970	176970	176970	176970	176970
Qty	100	100	100	100	100	100	100
Mininert Valve							
P/N			178443	178443	178443	178443	178443
Qty			1	1	1	1	1



176814



305605



176790



176843



236240



361841



176940



176970

Sample Prep - Vials

Storage vials

Storage vials

- Capacity : 2 to 40 ml
- Solid top storage cap or open to cap
- Silicone/PTFE or PTFE seal
- Vial + solid top cap or open top cap kits

Vials

Item	2 ml*	4 ml*	8 ml**	12 ml**	16 ml**	22 ml**	40 ml*
Aperture	8 mm	13 mm	15 mm	15 mm	18 mm	20 mm	24 mm
Clear glass	360193	181854	181860	667630	181870	181880	217490
Amber glass	296624	360163	667620	667640	167470		360250
Storage caps (100 u)							
PTFE lined sample storage caps	979580	773820	582240	582240	582340	177560	545940
Open top caps without septa	282940	181890	181900	181900	181910	181920	360210
Septa (100 u)							
Silicone/PTFE	398110	438311	180230	180230	185010	176880	360220

* Pack of 100

** Pack of 200

Unassembled kits

Item	2 ml*	4 ml*	8 ml**	12 ml**	16 ml**	22 ml**	40 ml*
Aperture	8 mm	13 mm	15 mm	15 mm	18 mm	20 mm	24 mm
Sample vials with PTFE lined storage caps							
Clear glass	690230	690240	690250	690260	690270	690280	690290
Amber glass	690300	690310	690320	690330	690350		690360
Sample vials with caps and septa							
Clear glass	690370	690380	690390	690400	690410	690420	690430
Amber glass	690440	690450	690460	690470	690480		690500

* Pack of 100

** Pack of 200



Storage caps

Sample Prep - Vials

Storage vials

Syrup vials

Nominal capacity	Brim capacity	Qty	Clear glass	Amber glass
PFP 28				
30 ml	37 ml	137	AA3770	991590
60 ml	67 ml	127	AA3780	991600
90 ml	97 ml	100	AA3790	AA3680
100 ml	108 ml	86	AA3800	AA3690
125 ml	133 ml	86	R23860	991610
150 ml	156 ml	72	AA3810	AA3700
180 ml	187 ml	80	AA3820	AA3710
200 ml	209 ml	67	AA3830	AA3720
250 ml	260 ml	49	AA3840	991620
300 ml	315 ml	48	AA3850	AA3730
500 ml	528 ml	30	AA3860	991630
1000 ml	1040 ml	20	AA3880	991640



Storage caps

Caps 28 mm

Description	Qty	P/N
White caps with tamper evidence and PE seal	100	991680
White caps with tamper evidence and triseal*	100	AA3740
Black PE caps without tamper evidence, without seal	100	BH4210

* triseal : Expanded polyethylene foam coated with a polyethylene film



Syrup vials

Sample Prep - Vials

Round bottom wide mouth jars

Round bottom wide mouth jars

Color	Capacity		Height (mm)	dia.(mm)	Neck finish	Qty	P/N
	Nominal	Brim					
Clear	10 ml				Pharmacy 18	195	CE0310
Clear	15 ml				Pharmacy 18	216	CD4310
Clear	30 ml	40 ml	68.0	36.0	GL32	84	R58850
Clear	50 ml	64 ml	75.0	44.0	GL32	56	CE0320
Clear	75 ml	88 ml	79.0	48.5	GL40	45	CE0330
Clear	100 ml	115 ml	92.5	50.0	GL40	42	CE0340
Clear	125 ml	140 ml	98.0	54.0	GL40	39	R58860
Clear	250 ml	280 ml	113.0	70.0	GL55	45	CE0350
Clear	500 ml	565 ml	154.0	84.0	GL55	20	AZ3380
Clear	1000 ml	1080 ml	180.5	103.5	GL68	18	AZ3370
Amber	10 ml				Pharmacy 18	216	CE0380
Amber	15 ml				Pharmacy 18	240	CE0390
Amber	30 ml	40 ml	68.0	36.0	GL32	84	BM6050
Amber	50 ml	64 ml	75.0	44.0	GL32	60	CE0400
Amber	75 ml	88 ml	79.0	48.5	GL40	50	CE0410
Amber	100 ml	115 ml	92.5	50.0	GL40	40	BY2440
Amber	125 ml	140 ml	98.0	54.0	GL40	36	BY2450
Amber	250 ml	280 ml	113.0	70.0	GL55	21	BT9890
Amber	500 ml	565 ml	154.0	84.0	GL55	15	BT9900
Amber	1000 ml	1080 ml	180.5	103.5	GL68	12	BT9920



Caps

Pharmacy 18

Color	Caps in PP 18 with EPE liner	Caps in PE with EPE liner	Caps in PP 18 self sealing	Caps in PE 18 self sealing
Black	CF7760	CF7800	CF7700	CF7730
Transparent	CF7770	CF7810	CF7710	CF7740
White	CF7780	CF7820	CF7720	CF7750



Sample Prep - Vials

Manual crimpers and decappers

Manual crimpers

Diameter	P/N
8 mm	359801
11 mm	176980
13 mm	176990
20 mm	177000



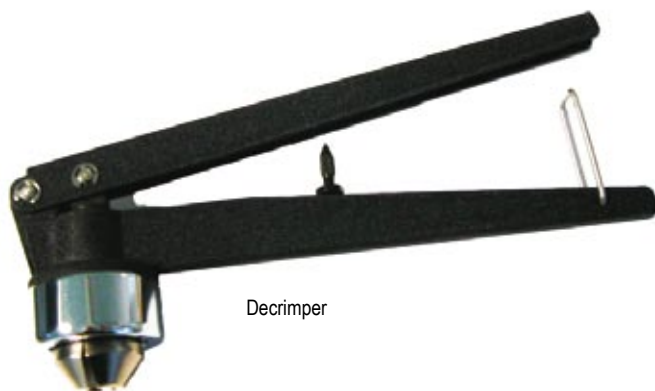
Manual crimper

Manual decrimper and pliers

Description	Diameter	P/N
Manual decrimper	8 mm	824160
	11 mm	177040
	13 mm	177050
	20 mm	177060
Decapping pliers	8 mm	498820
	11 mm	177013
	13 mm	177022
	20 mm	177033



Decapping pliers



Decrimper

Sample Prep - Vials

Crimpers and decappers

Crimpmate®

The Crimpmate® benchtop crimper is a complete workstation providing an economical, safe and effort-less means to create a perfect seal. The system can be assembled or dismantled in a few minutes and has a heavy steel base for balance and stability. The Steel jaws provide reproducible crimp pressures over a long life time.

Crimpmates® unique lever action greatly reduces the effort required to generate a perfectly crimped vial. The system is more versatile than hand crimpers with each workstation able to handle a wide variety of different seals and caps as the design facilitates interchangeable jaws. Jaws can be changed in seconds and each set is adjustable to cope with variations in vial and seal thickness.

Description	Diameter	Type	P/N
Complete workstation	8 mm	Without jaw	CMS-0
		With jaw	CMS-8
	11 mm	With jaw	CMS-11
	13 mm	With jaw	CMS-13
	20 mm	With jaw	CMS-20
Crimping jaws	8 mm		CMJ-8
	11 mm		CMJ-11
	13 mm		CMJ-13
	20 mm		CMJ-20
	20 mm	Jaw set for flip top caps	CMJF-20
	8 mm	Decrimping jaws	CDJ-8
	11 mm	Decrimping jaws	CDJ-11
	20 mm	Decrimping jaws	CDJ-20

Electronic crimpers and decappers

Description	P/N
Electronic crimpers : 11 mm, (To crimp 2ml autosampler vials 12 x 32 mm)	5183-4763
Electronic decappers : 11 mm, (For 2ml autosampler vials 12 x 32 mm)	5184-3567
Electronic crimpers : 20 mm, (For headspace vials Ø 20 mm)	5184-3572
Electronic decappers : 20 mm, (For headspace vials Ø 20 mm)	5184-3573
Battery NiMH VersaPak Gold Black & Decker	5183-4799



Crimpmate®



Electronic decappers



Rechargeable battery

Electronic crimpers

Sample Prep - Vials

Crimpers and decappers

Autocrimp™

This unit utilizes compressed air (5-6 bar) and is operated by a foot pedal leaving the operator with both hands free for sample manipulation. Autocrimp™ uses the same interchangeable jaws for crimping and decapping.

Description	P/N
Autocrimp™, without jaw	CMSP-0

Electronic crimpers and decappers

- Precision, rechargeable crimpers and decappers for 11 and 20mm caps
- Easy to use, comfortable grip
- Hundreds of reproducible crimps from one charge
- Adjustable crimping force
- Includes standard Black & Decker VersaPack Gold battery and charge precision electronic crimping system
- Powerful 15v dc supply
- Fits interchangeable jaw sets in a variety of sizes and styles
- Multiple programs can be stored to accommodate different jaw sets
- LCD display shows settings and verifies tool performance
- Ideal for high volume crimping

Description	Type	P/N
Control unit		BE3000
Jaw set 11 mm	Crimping	BE3020
Jaw set 11 mm	Decrimping	BP0040
Jaw set 20 mm	Crimping	BE3010
Jaw set 20 mm	Decrimping	BP0050
Jaw set 20 mm	Flip off / Tear off	BP0080
Foot Pedal activator		BP0090

