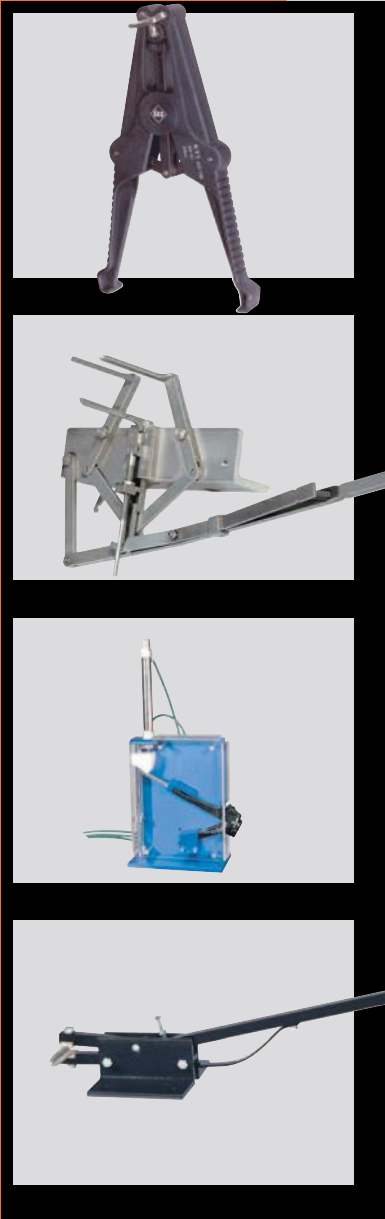




D1

Sleeve expanders





The HELAVIA and SILAVIA sleeve and sleeve expander system was introduced by Sterling many years ago. SES-STERLING is very experienced in this technology as it was the first Company to develop such a revolutionary process in France.

The SES sleeving process has often been copied, but never equalled. SES-STERLING is a specialist in this process and is always willing to give helpful advice to its customers.

Sleeve expanders of the new generation have been designed with an esthetics in mind and the need for comfort (especially for female operators). Special care has been given to ergonomics both by shape and composition and by using modern materials and surface treatment.

A great deal of research and development time has produced comfortable, light and long-lasting sleeve expanders for universal use.

With its many years of experience, SES-STERLING has developed a functional, high-grade product that will satisfy the most discerning user.

Selecting the correct sleeve expanders to appropriate HELAVIA and SILAVIA sleeves

Type	Artide number	A0	A1	A1bis	A1K	A2	A2K	A3	A4	A5	A8	A9	A10	Prongs	
		Length sleeves	20	20	20	25	25	30	25	30	35	50	50	50	Number
KNS	0410 0021 000													2	23
KN	0410 0020 000													3	23
KP1	0410 0133 000													3	23
KP2	0410 0134 000													3	30
KP3	0410 0135 000													3	40
KP4	0410 0145 000													3	56
KY1	0410 0136 000													3	23
KY2	0410 0137 000													3	30
KY3	0410 0138 000													3	40
KY4	0410 0139 000													3	56
H n°1	0416 0101 000													2	32
H n°2	0416 0102 000													2	42
H n°3	0416 0103 000													2	44
H n°4	0416 0104 000													2	54
X-1	0416 0005 000													3	50
X-2	0416 0006 000													3	70



SES sleeve expanders series KP
Ultra lightweight in PLIO®-Carbox
for SES binding



KP

These sleeve expanders are ideal for use with original HELAVIA and SILAVIA sleeves.

• **SES-KP 1 sleeve expander** (up to 4,5 mm Ø max.)
for sleeves A0 - A1 - A1bis

- PLIO-Carbox pressure casting
- Suitable for female operators.
- Ergonomic shape
- Forged, treated and polished prongs
- black
- Solid construction
- Comfortable handle
- Ultra lightweight
- After sales service
- Replacement tools

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KP1	0410 0133 000	3	23	140x125	119	1



• **SES-KP 2 sleeve expander** (up to 9 mm Ø max.)
for sleeves A1 - A1bis - A1K - A2 - A2K - A3

Same specifications as type KP 1 but with stronger prongs for HELAVIA or SILAVIA sleeves A1 to A3.

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KP2	0410 0134 000	3	30	140x125	120	1



• **SES-KP 3 sleeve expander** (up to 15 mm Ø max.)
for sleeves A2 - A2K - A3 - A4 - A5

Same specifications as type KP 1 but with stronger prongs for HELAVIA or SILAVIA sleeves A2 to A5 (up to Ø 15 mm).

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KP3	0410 0135 000	3	40	140x125	123	1



SES sleeve expanders series KP for SES binding for Ø up to 28 mm



KP


These sleeve expanders are ideal for use with original HELAVIA and SILAVIA sleeves.


• SES-KP 4 sleeve expander (up to 28 mm Ø max.) for sleeves A5 - A8 - A9 - A10

- PLIO-Carbox pressure casting
- Suitable for female operators.
- Ergonomic shape
- Forged, treated and polished prongs
- black
- Solid construction
- Comfortable handle
- Ultra lightweight
- After sales service
- Replacement tools



Same specifications as types KP 1 to KP 3 but with a stronger body for HELAVIA or SILAVIA sleeves up to 28 mm Ø.

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KP4	0410 0145 000	3	56	150x145	149	1

 Box available with a European suspension hole.

Lubricant for HELAVIA® and SILAVIA sleeves

LUB2



This product allows easier application of our sleeves type A5 to A 10 when used with SES sleeve expanders.


The LUB 2 lubricant is supplied in a can of 3 dl with a brush in the cap.

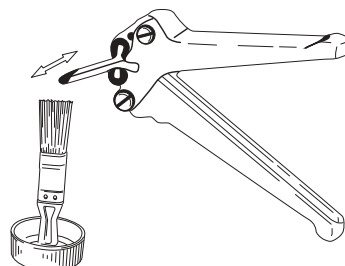
This characteristic allows the minimum quantity of lubricant necessary to apply sleeves easily from the expander prongs.

LUB 2 is a special product designed by STERLING which does not affect Neoprene elastomers.

It is an odourless, tasteless, vaseline oil-based product that can be used in the proximity of foodstuffs and is not toxic.



type	article number	
LUB 2	0707 0001 000	can of 2,5 dll with brush



SES sleeve expanders

for SES binding

Ultra lightweight in PLIO®-Carbox





KY

These sleeve expanders are ideal for use with original HELAVIA and SILAVIA sleeves.

• SES-KY 1 sleeve expander (up to 4,5 mm Ø max.) for sleeves A0 - A1 - A1bis



- Forged, treated and polished prongs
- Replacement by a factory reconditioned tool
- Ultra lightweight
- After sales service

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KY1	0410 0136 000	3	23	195x115	162	1 



• SES-KY 2 sleeve expander (up to 9 mm Ø max.) for sleeves A1 - A1bis - A1K - A2 - A2K - A3



- Forged, treated and polished prongs
- Replacement by a factory reconditioned tool
- Ultra lightweight
- After sales service

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KY2	0410 0137 000	3	30	195x115	163	1 



• SES-KY 3 sleeve expander (up to 15 mm Ø max.) for sleeves A2 - A2K - A3 - A4 - A5



- Forged, treated and polished prongs
- Replacement by a factory reconditioned tool
- Ultra lightweight
- After sales service

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KY3	0410 0138 000	3	40	195x115	167	1 




• SES-KY 4 sleeve expander (up to 28 mm Ø max.) for sleeves A5 - A8 - A9 - A10

- Forged, treated and polished prongs
- Replacement by a factory reconditioned tool
- Ultra lightweight
- After sales service

type	article number	prongs		sleeve expander length x width mm	weight g	
		number	length mm			
KY4	0410 0139 000	3	56	195x115	178	1 



 Box available with a European suspension hole.

SES sleeve expanders hand and bench mounted



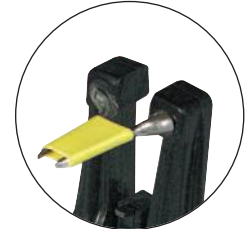
SES

• SES-KN and SES-KNS sleeve expander in Polyamide for sleeves A0 - A1 - A1bis - A1K - A2

type	article number	prongs number	prongs length mm	sleeve expander		weight g	
				HxW mm			
Sleeve expander with 3 prongs for sleeves A1 - A1bis - A1K - A2 KN	0410 0020 000	3	23	190x100	90	1	
Sleeve expander with 2 prongs for sleeves A0, A1, A1bis, A1K KNS	0410 0021 000	2	23	190x100	90	1	



KN with 3 prongs



KNS with 2 prongs



Prongs H



Tool H

• SES-H bench mounted sleeving tool with foot pedal, for sleeves A2 - A2K - A3 - A4 - A5

type	article number	prongs number	prongs HxW mm	tool		weight g	
				LxWxH mm			
TOOL H*	0416 0001 000			370x130x130	1920	1	
Prong H n° 1	0416 0101 000	2	32x3,5	for sleeves A2, A2k		1 Set	
Prong H n° 2	0416 0102 000	2	42x6,5	for sleeves A2k, A3		1 Set	
Prong H n° 3	0416 0103 000	2	44x9,5	for sleeves A3, A4		1 Set	
Prong H n° 4	0416 0104 000	2	54x13,5	for sleeves A4, A5		1 Set	

* tool without prongs (ordered separately)



Foot pedal H

• SES-X bench mounted sleeve expander with hand operated lever for sleeves A5 - A8 - A9 - A10

type	article number	prongs number	prongs HxW mm	tool		weight g	
				LxWxH mm			
tool for sleeves A5 to A9 X-1	0416 0005 000	3	50	490x185x225	3300	1	
tool for sleeves A9 to A10 X-2	0416 0006 000	3	70	490x185x225	3300	1	



Tool X


SES mechanically controlled adaptor

Base / handle receptable support: anodized aluminium blue
Composition:
 - base with 4 M5 screws.
 - handle receptacle.
 - pedal with chain.

Characteristics:

- mechanical devices actioned by pedal.
- for work in small and medium series.
- ideal for permanent work stations.
- less effort (female operatives).



type	artide number	weight (g)	dimensions (mm)	
Mechanical sleeve expander for tool KP1, KP2, KP3 (delivered without tool)	0410 0150 000	720	250x80x200	1
Mechanical sleeve expander for tool KP4 (delivered without tool)	0410 0151 000	770	210x120x180	1
Adaptation kit for work with KP1, KP2, KP3 tools and also KP4	0410 0162 000	150	-	1


SES pneumatically controlled adaptor

Base / handle receptable support: anodized aluminium blue
Operating pressure: 6 bars
Composition:
 - base with 4 M5 screws.
 - regulating filter unit.
 - transparent carter.

Characteristics:

- pneumatic devices actioned by pedal.
- for work big series.
- ideal for permanent work stations.
- less effort (female operatives).



type	artide number	weight (g)	dimensions (mm)	
Pneumatic sleeve expander for tool KP1, KP2, KP3 (delivered without tool)	0410 0160 000	4000	270x160x480	1
Pneumatic sleeve expander for tool KP4 (delivered without tool)	0410 0161 000	4000	270x160x480	1
Adaptation kit for work with KP1, KP2, KP3 tools and also KP4	0410 0163 000	210	-	1