

# L.SP3 CONFIGURATOR

YOUR PERSONAL L.SP3 SOLUTION

# AGENDA

- Log in | Registration
- Start: your fastening application
- L.SP3 access | inline | straight | angle
- L.SP3 touch
- L.SP3 connect
- L.SP3 angle
- Tool selection | Service | Your configuration result

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# CONFIGURATOR ACCESS VIA LÜBBERING WEBSITE

The screenshot shows the LÜBBERING website interface. At the top, there is a navigation menu with 'More', 'Fastening', 'Drilling', 'Applications', 'Service', and 'Contact'. The 'Fastening' menu is open, showing a list of options: 'Fastening with L.SP3', 'L.SP3 system', 'L.SP3 angle', 'L.SP3 special', 'L.SP3 applications', and 'L.SP3 configurator'. Below the menu, there is a banner for 'THE LÜBBERING SHOWTRUCK IS ON ITS WAY TO YOU.' and a section for 'Fair Dates'. The main content area features the text 'MEHR ALS EINE IDEE MEHR' and a large watermark for 'HERMES THE TOOL COMPANY'. Below this, there is a login form with fields for 'Email' and 'Password', and a 'Login' button. Links for 'Register as new user' and 'Forgot password?' are also visible.

Register quickly and easily on our website: [www.luebbering.de/configurator](http://www.luebbering.de/configurator)

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# START WITH SELECTION OF YOUR FASTENING APPLICATION (1/2)

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YOUR ENTRIES

YOUR SELECTION

Fastening application

FASTENING APPLICATION DETAILS

  
Screw

  
Nut

  
Hold + Drive

  
Cap nut

Tightening torque

120,00

Nm

1062,09

in.lbs

Across flats

17,000

mm

0,6

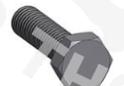
inch/dec.

43/64"

inch

SELECTION OF FASTENER PROFILE

AF Across flats male

## CONFIGURATION START

- ▶ Start your fastening application.
- ▶ Depending on the fastening selection, additional entry fields will appear if necessary.
- ▶ You will get an illustration for explanation on the right by clicking in an entry field (cf. width across flats).
- ▶ For an easier selection, all output socket gear profiles are displayed visually.

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30.11.2017 | L.SP3 configurator | Version: 2

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# START WITH SELECTION OF YOUR FASTENING APPLICATION (2/2)

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Fastening application

**FASTENING APPLICATION DETAILS**

Screw

Nut

Hold + Drive

Cap nut

Apply aerospace specification data ...

Tightening torque: 120,00 Nm / 1062,09 in.lbs

Across flats: 10,000 mm / 0,394 inch / 25/64 inch

SELECTION OF FASTENER PROFILE: AF Across flats male

HOLD + DRIVE / HOLDER UNIT SPECIFICATIONS

Across flats	mm	inch/dec.	inch
External length	mm	inch/dec.	inch
Length of fastening	mm	inch/dec.	inch

SELECTION OF RETAINING PROFILE: HEX Hexagon profile female

Continue

## FOR AEROSPACE

- ▶ Aerospace specification data for the Hold+Drive application (and for the head nut) can be put in.
- ▶ In addition, specifications to the holder unit as well as the requested retaining profile will be queried for the Hold+Drive application

x

**AEROSPACE SPECIFICATION**

TYPE OF APPLICATION

Frangible collar  
  Hold+Drive  
  Torque control

FASTENER SPECIFICATION

Collar: [dropdown] Code: [dropdown]

Bolt: [dropdown] Code: [dropdown]

A/F OF FASTENING COMPONENT

A/F collar [W]

A/F bit [Y]

MAX. TORQUE

Apply   Cancel

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# L.SP3 ACCESS | SELECTION OF THE MODEL

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**YOUR ENTRIES**

**FASTENING APPLICATION**

Fastener  
Hold + Drive

Fastener profile  
AF Across flats male

Tightening torque  
120.00 Nm    1062.09 in.lbs

Nominal width of drive profile  
10.00 mm    0.39 inch    25/64"

**YOUR SELECTION**

Your entries are documented on the left. Via the black button, you are able to blend them for a wider screen.

**LSP3**

Fastening application: Model

**SELECTION OF GEARBOX**



L.SP3 access



L.SP3 access inline



L.SP3 angle



L.SP3 access straight

Continue

## FOUR DIFFERENT MODELS

- ▶ Standard model of a geared offset head (with angle head):
  - **L.SP3 access**
  
- ▶ Straight-line geared offset head:
  - **L.SP3 access inline**
  
- ▶ Individual angle head:
  - **L.SP3 angle**
  
- ▶ Axial geared offset head
  - **L.SP3 access straight**
  - only applicable when Hold+Drive has been selected beforehand.
  
- ▶ If the fastening application “cap nut” (pipeline) has been selected, only open geared offset heads will be displayed.

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Fastening application
Model
L.SP3 access
L.SP3 touch

### OUTPUT SOCKET GEAR SPECIFICATIONS

Total length L max.  mm  inch/dec.  inch

External length EL min.  mm  inch/dec.  inch

External length EL max.  mm  inch/dec.  inch

Output socket gear: through profile

Profile depth P min.  mm  inch/dec.  inch

Opening width C min.  mm  inch/dec.  inch

Selection of output socket gear profile



HEX Hexagon profile

Continue



### Very useful:

Automatic conversion in inch | A click in the entry field shows a drawing for explanation.  
If „fastening with nut / bit“ has been selected, further details on the nut follow.

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>

Fastening application

Model

L.SP3 access

### GEARED OFFSET HEAD SPECIFICATIONS

Radius R max.	<input type="text" value="20,000"/>	<input type="text" value="mm"/>	<input type="text" value="0,787"/>	<input type="text" value="inch/dec."/>	<input type="text" value="25/32"/>	<input type="text" value="inch"/>
Housing height H max.	<input type="text"/>	<input type="text" value="mm"/>	<input type="text"/>	<input type="text" value="inch/dec."/>	<input type="text"/>	<input type="text" value="inch"/>
Width W max.	<input type="text"/>	<input type="text" value="mm"/>	<input type="text"/>	<input type="text" value="inch/dec."/>	<input type="text"/>	<input type="text" value="inch"/>
Centre to centre distance L1 min.	<input type="text"/>	<input type="text" value="mm"/>	<input type="text"/>	<input type="text" value="inch/dec."/>	<input type="text"/>	<input type="text" value="inch"/>
Centre to centre distance L1 max.	<input type="text"/>	<input type="text" value="mm"/>	<input type="text"/>	<input type="text" value="inch/dec."/>	<input type="text"/>	<input type="text" value="inch"/>
Extension length L2 min.	<input type="text"/>	<input type="text" value="mm"/>	<input type="text"/>	<input type="text" value="inch/dec."/>	<input type="text"/>	<input type="text" value="inch"/>
Nose radius E max.	<input type="text"/>	<input type="text" value="mm"/>	<input type="text"/>	<input type="text" value="inch/dec."/>	<input type="text"/>	<input type="text" value="inch"/>

Fastening with nut / bit

Continue

**i** By entering your specifications a picture is shown.

## SELECTION OF GEARED OFFSET HEAD &amp; OUTPUT SOCKET GEAR

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Schraubfall    Bauform    L.SP3 access    L.SP3 touch    **Auswahl**

AUSWAHL FLACHABTRIEB 

Artikel-Nr.	Bezeichnung	R [mm]	H [mm]	L1 [mm]	L2 [mm]	B [mm]	max. T [Nm]	n
80433101	L.SP3 access C-190-005	19,100	29,000	106,900	74,400	43,600	125,000	3
80443101	L.SP3 access C-190-006	19,100	29,000	143,750	111,300	43,600	126,000	4
89433204	L.SP3 special access C-140-001	18,050	32,000	95,655		41,400	130,000	3
80443215	L.SP3 access C-140-006	19,600	32,000	129,700	100,700	42,000	135,000	4
80423216	L.SP3 access C-140-004	19,600	32,000	63,100	34,100	42,000	135,000	2
80433210	L.SP3 access C-140-005	19,600	32,000	96,400	67,400	42,000	135,000	3
80643000	L.SP3 special access C-250-011	18,500	30,000	125,400	69,700	38,500	140,000	4
89673200	L.SP3 special access C-500-004	19,000	32,000	218,900	103,400	38,000	140,000	6

Anzahl Treffer: 14

AUSWAHL ABTRIEBSZAHNRAD

Artikel-Nr.	Bezeichnung	SW [mm]	SW [inch]	Profil	L [mm]	AL [mm]	P [mm]	C [mm]
70994215	L.SP3 touch HEX17	17,000	~ 43/64	HEX	29,000	0,000	7,000	-
70994216	L.SP3 touch HEX17	17,000	~ 43/64	HEX	44,000	15,000	7,000	-
70994217	L.SP3 touch HEX17	17,000	~ 43/64	HEX	59,000	30,000	7,000	-

Anzahl Treffer: 3

Flachabtrieb mit Schutzüberzug

Abtriebsrichtung

nach unten     nach oben

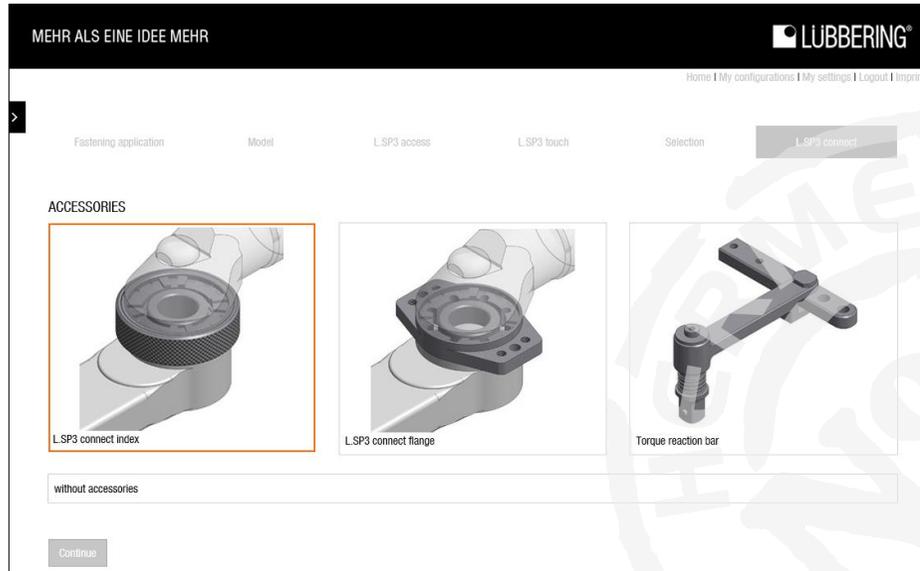
Weiter

## SELECTION

- ▶ Best match: marked in grey
  - Presorting of the geared offset head:
    1. lowest output torque comes first
  - Presorting of the output socket gear:
    1. Nominal width output profile
    2. Output profile (A/F and profile)
    3. Length (EL= 0 comes first);
    4. Opening width
- ▶ Sorting with click on the column heading
- ▶ Can be shown in mm or inch
- ▶ By moving the mouse cursor over the column headings an explaining picture is shown
- ▶ If your desired article is not available yet, a P-article is shown in grey. Moreover, you receive adjacent suggestions and can choose an alternative article.

# AGENDA

- Log in | Registration
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- L.SP3 access | inline | straight | angle
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- **L.SP3 connect**
- L.SP3 angle
- Tool selection | Service | Your configuration result



## L.SP3 CONNECT

### ▶ Select:

- **L.SP3 connect index** for a turn of the angle head by 360°
- **L.SP3 connect flange** to attach further accessories
- **Torque reaction bar**

# AGENDA

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- **L.SP3 angle**
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# L.SP3 CONFIGURATOR ANGLE HEAD SELECTION

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Fastening application    Model    L.SP3 access    L.SP3 touch    Selection    L.SP3 connect    **L.SP3 angle**

### SELECTION OF THE ANGLE HEAD

L.SP3 angle - 90°

L.SP3 angle - 110°

Fastening system without angle head

**YOUR ENTRIES**

**FASTENING APPLICATION**

Fastener  
Screw

Fastener profile  
AF Across flats male

Tightening torque  
120.00 Nm    1062.09 in.lbs

Nominal width of drive profile  
17.00 mm    0.67 inch    43/64"

**GEARED OFFSET HEAD**

Radius max.  
20.00 mm    0.79 inch    25/32"

**i** Select a LÜBBERING angle head **L.SP3 angle** in 90° or 110° and **no adapter** is needed.

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- **Tool selection | Service | Your configuration result**

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Fastening application
Model
L.SP3 access
L.SP3 touch
Selection
L.SP3 connect
L.SP3 angle
Tool

**YOUR ENTRIES**

**FASTENING APPLICATION**

Fastener  
Screw

Fastener profile  
AF Across flats male

Tightening torque  
120.00 Nm    1062.09 in.lbs

Nominal width of drive profile  
17.00 mm    0.67 inch    43/64"

**GEARED OFFSET HEAD**

Radius max.  
20.00 mm    0.79 inch    25/32"

**OUTPUT SOCKET GEAR**

Across flats  
17.00 mm    0.67 inch    43/64"

**YOUR SELECTION**

Geared offset head  
L.SP3 access C-190-005

Output socket gear  
L.SP3 touch HEX17

Angle head  
L.SP3 angle 190-003

Adapter  
L.SP3 connect index 190

**SELECTION OF DRIVE MACHINE**

Model:

Power:

Manufacturer:

Tool will be provided

Article no.	Description	Manufacturer	Min. output torque	Max. output torque	n max. (1/min)	Weight [kg]	Length [mm]
60301076	ETD ST81-120-13 without drive unit	AtlasCopco	25,00	125,00	505		429,000
60301058	ETD ST61-120-13-T25 without drive unit	AtlasCopco	25,00	125,00	305		409,000
60301057	ETD ST61-120-13-T25	AtlasCopco	25,00	125,00	305		518,000
60301075	ETD ST81-120-13	AtlasCopco	25,00	125,00	505		510,000
60300253	HXC2131ZV12	AMT	27,00	131,00	506		508,000
60300966	ESV1 46	Bosch Rexroth	29,00	146,00	420		430,000

Number of matches: 55

## TOOL SELECTION

▶ **Selectable:**

- Model
- Energy
- Tool manufacturer

▶ If you already have a tool and you find it in the given table, please pick “tool provision“.

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Fastening application | Model | L.SP3 access | L.SP3 touch | Selection | L.SP3 connect | L.SP3 angle | Tool | **Service**

**RUNNING-IN CERTIFICATE**

Article no.	Description
	without MFU
D0000372	Machine Capability Test 25 - Power Tool
D0000373	Machine Capability Test 50 - electric power tool
D0000374	Machine Capability Test 50_25-25-Power Tool

Artikel-Nr.	Description
D0000319	Running-in of geared offset head - both directions
D0000310	Running-in of geared offset head - working direction
D0000314	Running-in of geared offset head without certificate

Direction of rotation  
 right  left  right and left

RUNNING-IN TEST TORQUE  
120,000 Nm 1062,090 in.lbs

**TOOL-ADAPTION**  
 Tool assembly  
Mounting direction: middle  
Mounting angle: degree

**INDIVIDUAL INSCRIPTION**  
Your text

Continue

## LÜBBERING SERVICES

- ▶ Machine capability analysis
- ▶ Running-in with LÜBBERING certificate
- ▶ Choose the direction of rotation
- ▶ Select „tool assembly“ and we assemble the selected tool to the fastening system.
- ▶ Tailor-made description: enter your text for your fastening system here.

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Fastening application    Model    L.SP3 access    L.SP3 touch    Selection    L.SP3 connect    L.SP3 angle    Tool    Service    **Result**

**CONFIGURATION RESULT**

#	Article no.	Description	Product group	Weight [kg]	Quantity	Provision
1	80433101	L.SP3 access C-190-005	Gearred offset head	1,073	1	<input type="checkbox"/>
2	70894215	L.SP3 touch HEX17	Output socket gear		1	<input type="checkbox"/>
3	91901273	L.SP3 angle 190-003	Angle head	1,803	1	<input type="checkbox"/>
4	P0000058	Actuator set according to the customers specifications	Drive set	0,790	1	<input type="checkbox"/>
5	90936677	L.SP3 x-connect 190-2027	Axial-adapter	0,630	1	<input type="checkbox"/>
6	90936632	L.SP3 connect index 190	Adapter	0,790	1	<input type="checkbox"/>
7	60301076	ETD ST81-120-13 without drive unit	Tool		1	<input checked="" type="checkbox"/>
8	D0000100	Adaption - Adapter to drive unit	Service		1	<input type="checkbox"/>

Quantity:

**TECHNICAL DETAILS**

Input torque	121,215 Nm	1072,845 in.lbs
Output torque	120,000 Nm	1062,090 in.lbs
Total gear ratio	1,303	
Total efficiency factor	0,760	
Weight per Fastening system	Drehrichtungsumkehr 5,085 kg	

[View my configuration \(PDF\)](#)

[View drawing of the components \(PDF\)](#)

[Download 3D models of components \(STP\)](#)

[Save my configuration](#)

**You have to save first!**    [Send inquiry](#)

[New configuration](#)

## YOUR L.SP3 SOLUTION

- ▶ Clear overview
- ▶ A drawing of your configured system can be shown directly
- ▶ PDF document with:
  - article-no., drawings, technical data
- ▶ Save configurations in your own account and call them up at any time
- ▶ Decide on your own when your configuration is ready.

## YOUR ADVANTAGES AT A GLANCE

- + Entire fastening system configurable:  
from socket gears to drive units from all major tool manufacturers
- + Available online on mobile devices
- + Own login account
- + Save configurations and call them up at any time
- + Send requests directly from the configurator
- + Easy handling

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