

# 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



More Fastening Drilling Applications Service Contact

Fastening with L.SP3  
L.SP3 system  
L.SP3 single  
L.SP3 special  
L.SP3 applications  
L.SP3 configurator

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THE LÜBBERING SHOWTRUCK IS ON ITS WAY TO YOU.

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Fair Dates

LOGIN.

L.SP3

Email

Password

Login

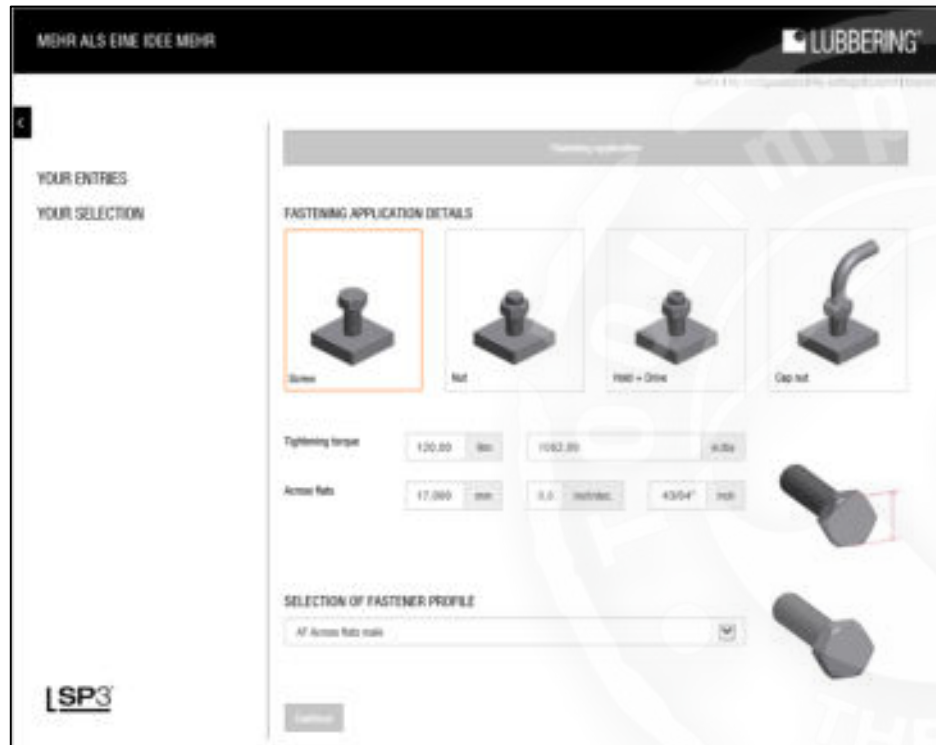
[Register as new user](#)  
[Forgot password?](#)

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

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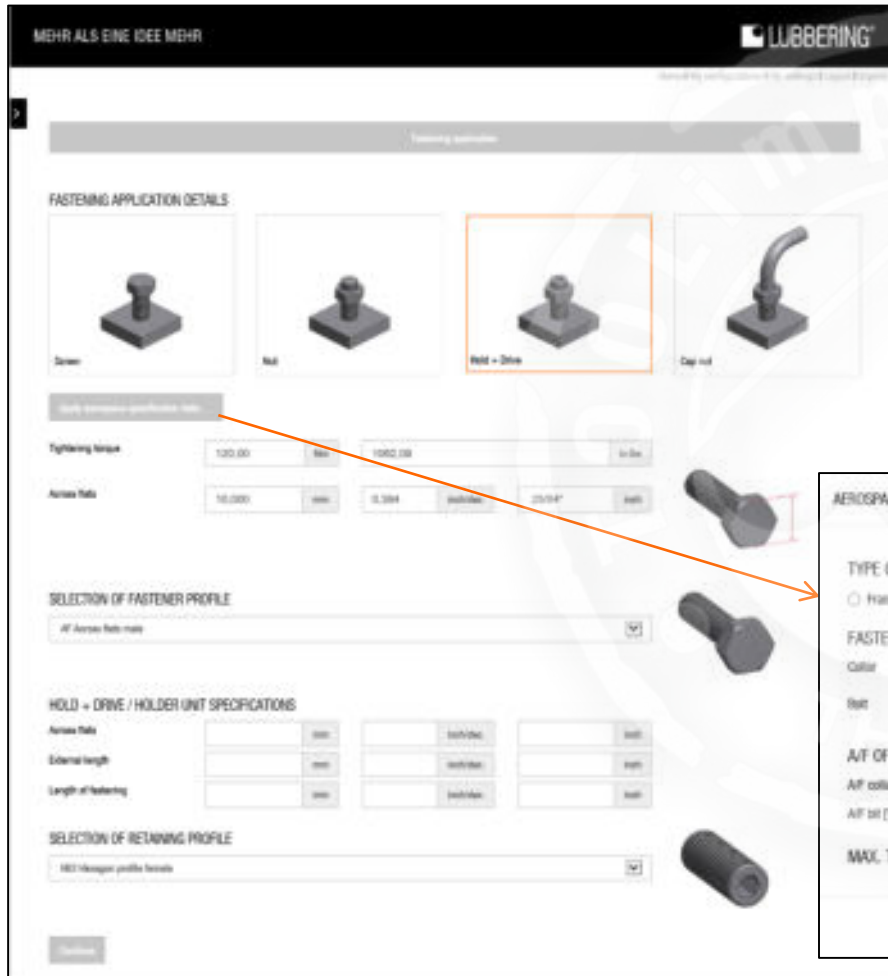
## START WITH SELECTION OF YOUR FASTENING APPLICATION (1/2)



### 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.

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



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FASTENING APPLICATION DETAILS

Buttons: Screws, Nut, **Hold + Drive**, Cap nut

Tightening torque: 120.000 Nm, 1080.000 Nm

Aerospace data: 10.000, 10.000, 10.000, 10.000, 10.000

SELECTION OF FASTENER PROFILE

Hold + Drive / HOLDER UNIT SPECIFICATIONS

SELECTION OF RETAINING PROFILE

### 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



AEROSPACE SPECIFICATION

TYPE OF APPLICATION

☐ Frangible collar ☒ Hold+Drive ☐ Torque control

FASTENER SPECIFICATION

Collar: [dropdown] Code: [dropdown]

Nut: [dropdown] Code: [dropdown]

A/T OF FASTENING COMPONENT

A/T collar [N]: [input]

A/T nut [N]: [input]

MAX. TORQUE: [input]

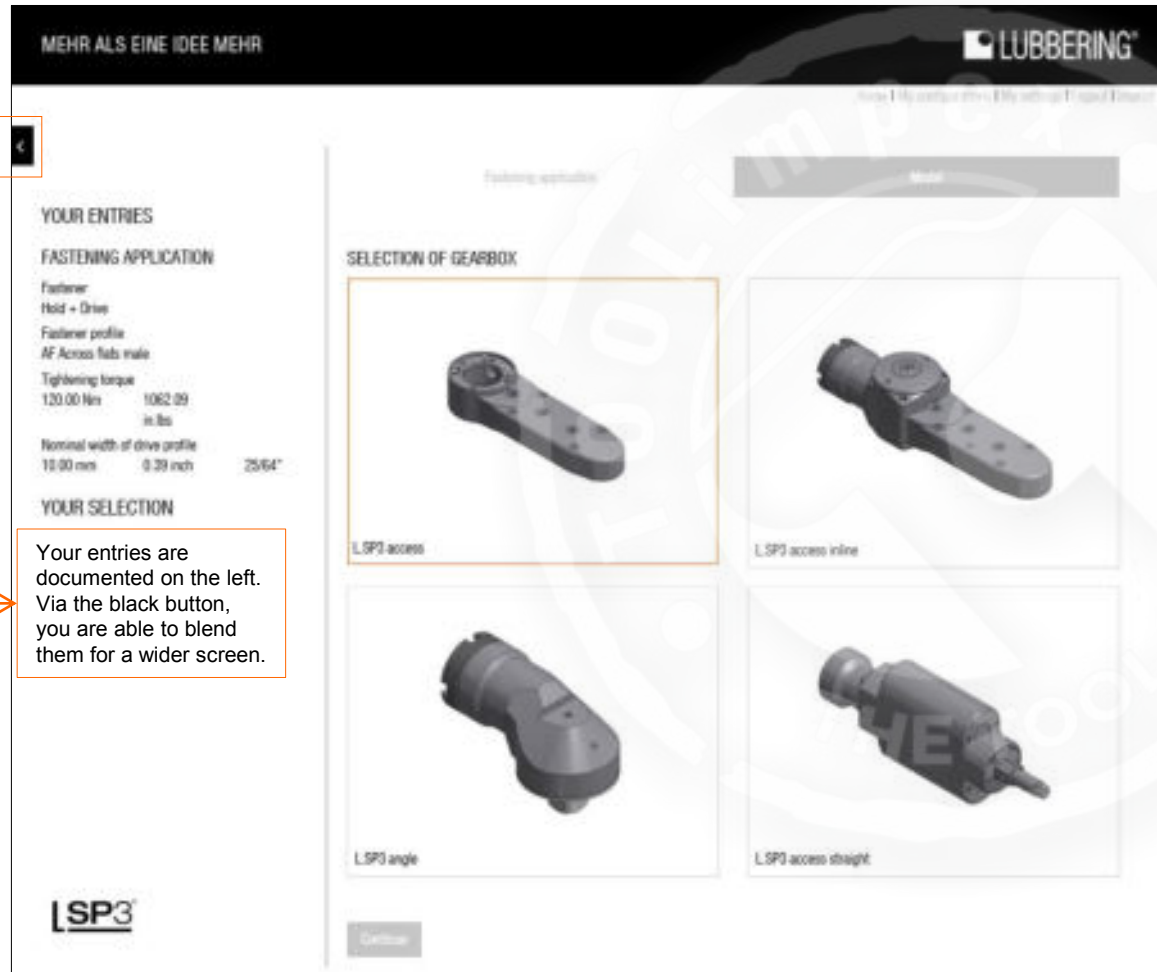
Buttons: OK, Cancel

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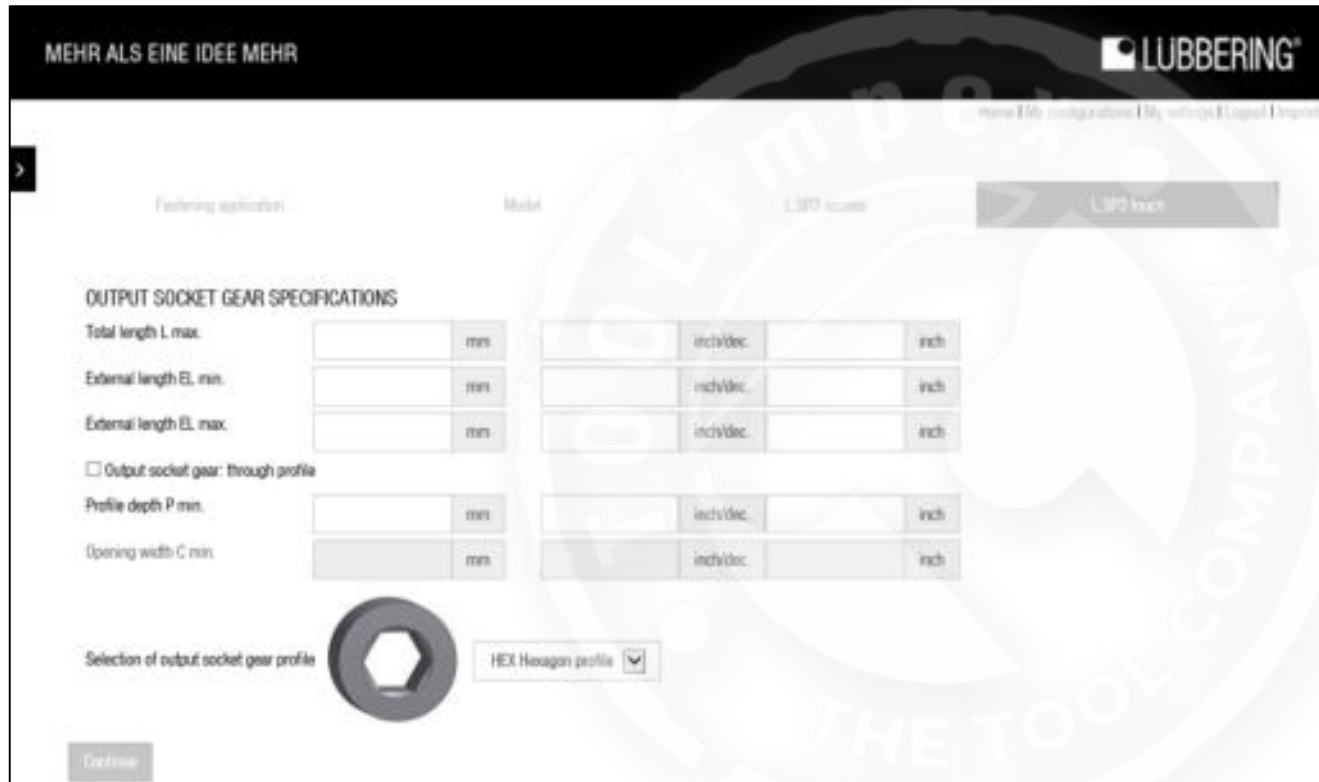
# L.SP3 ACCESS | SELECTION OF THE MODEL



## 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.

## L.SP3 ACCESS – DETAILS ON YOUR OUTPUT SOCKET GEAR



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Home | My configurations | My settings | Logout | Import

Fastening application: L.SP3 Access Model: L.SP3 Access

### 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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# DETAILS ON YOUR GEARED OFFSET HEAD | L.SP3 TOUCH

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Home | My configurations | My settings | Logout | Imprint

Fastening application

Mode


L.SP3 access

GEARED OFFSET HEAD SPECIFICATIONS

Radius R max.	20.000	mm	0,787	inch/dec.	25/32"	inch
Housing height H max.		mm		inch/dec.		inch
Width W max.		mm		inch/dec.		inch
Centre to centre distance L1 min.		mm		inch/dec.		inch
Centre to centre distance L1 max.		mm		inch/dec.		inch
Extension length L2 min.		mm		inch/dec.		inch
Nose radius E max.		mm		inch/dec.		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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Home / Neue Konfigurationen / Neue Einstellungen / Logout / **Erstellen**

Schneidrad Backen L.SP3 access L.SP3 tooth **Ablesen**

**AUSWAHL FLACHABTRIEB**

Artikel-Nr.	Bezeichnung	R (mm)	H (mm)	L1 (mm)	L2 (mm)	B (mm)	max. T (Nm)	s
80433101	L.SP3 access C-180-006	19,100	29,000	143,750	111,300	42,600	126,000	1
80433204	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
80432216	L.SP3 access C-140-004	19,600	32,000	83,100	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	125,600	89,700	38,500	140,000	5
80673200	L.SP3 special access C-500-004	19,000	32,000	218,900	103,400	38,000	140,000	6

Anzahl Treiber: 14

**AUSWAHL ABTRIEBSZAHNRAD**

Artikel-Nr.	Bezeichnung	SW (mm)	SW (inch)	Profil	L (mm)	AL (mm)	P (mm)	C (mm)
70994215	L.SP3 tooth HX017	17,000	- 43/64	HEX	20,000	8,000	7,000	-
70994216	L.SP3 tooth HX017	17,000	- 43/64	HEX	44,000	15,000	7,000	-
70994217	L.SP3 tooth HX017	17,000	- 43/64	HEX	58,000	30,000	7,000	-

Anzahl Treiber: 3

☐ Flachabtrieb mit Schneidabtrieb

Abtriebsrichtung

☐ nach unten ☒ nach oben

**Ablesen**

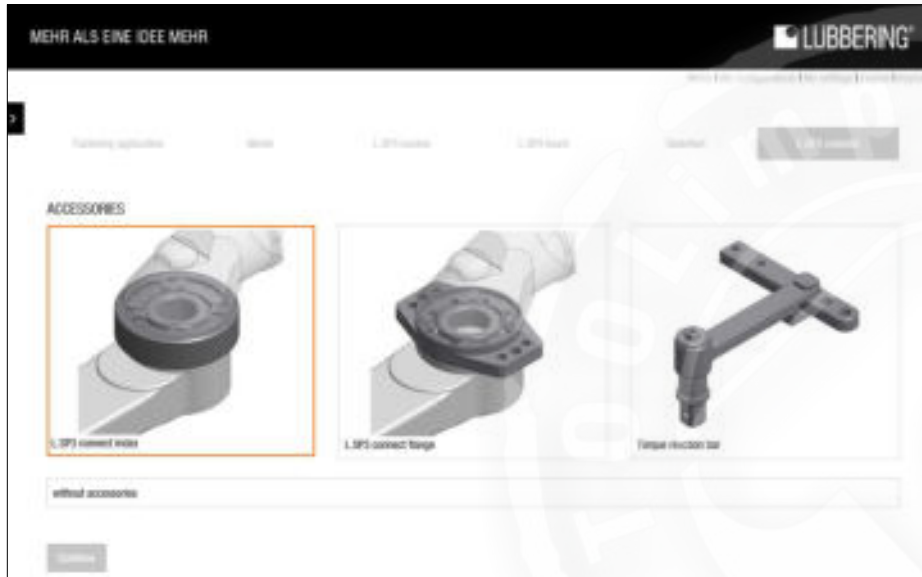
## SELECTION

- ▶ 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.

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## ZUBEHÖRAUSWAHL ZWISCHEN FLACHABTRIEB &amp; WINKELKOPF



## L.SP3 CONNECT

## ► Select:

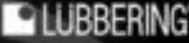
- **L.SP3 connect index** for a turn of the angle head by 360°
- **L.SP3 connect flange** to attach further accessories
- **Torque reaction bar**

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## L.SP3 CONFIGURATOR ANGLE HEAD SELECTION

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Home | My configurations | My settings | Logout | Support

Fastening application Model L.SP3 adapter L.SP3 base Selection L.SP3 connector **L.SP3 angle**

**SELECTION OF THE ANGLE HEAD**

L.SP3 angle - 90° L.SP3 angle - 110°

Fastening system without angle head

Continue

**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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YOUR ENTRIES

FASTENING APPLICATION

Fastener  
Screw

Fastener profile  
MF Access flats cross

Tightening torque  
120.00 Nm 10K2.09  
in.lbs

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

GEARED OFFSET HEAD

Radius max.  
28.00 mm 0.79 inch 25/32"

OUTPUT SOCKET GEAR

Access 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 H0017

Angle head  
L.SP3 angle 190-003

Adapter  
L.SP3 connect index 190

SELECTION OF DRIVE MACHINE

Model  
Straight spindle

Power  
electric

Manufacturer  
H

127 Tool will be provided

Article no.	Description	Manufacturer	Min. input torque	Max. input torque	n max. (1/min)	Weight (kg)	Length (mm)
80300000	ETO S701-120-15-T25 without drive unit	AtlasCopro	25.00	125.00	305		409.000
80301207	ETO S701-120-15-T25	AtlasCopro	25.00	125.00	305		518.000
80301079	ETO S701-120-10	AtlasCopro	25.00	125.00	806		518.000
80300050	H002110 Dm12	WIT	27.00	131.00	906		508.000
80300066	DSV146	Bosch Rexroth	29.00	146.00	430		408.000

Number of matches: 50

Add your own tool

Customize

## 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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Running-in certificate

Article No.	Description
00000002	without MPD
00000003	Machine Capability Test 25 - Power Test
00000004	Machine Capability Test 50 - electric power test
00000005	Machine Capability Test 50_25-25-Power Test

Article No. Description

00000006 Running-in of geared shaft head - both directions

00000007 Running-in of geared shaft head - working direction

00000008 Running-in of geared shaft head without certificate

Direction of rotation

☒ right ☐ left ☐ right and left

RUNNING-IN TEST TORQUE

120.000 Nm 1062.000 Nm

TOOL-ADAPTION

Tool assembly

Mounting direction

Mounting angle

Individual inscription

Your text

## 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.

## YOUR CONFIGURATION RESULT AT A GLANCE

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CONFIGURATION RESULT

#	Article no.	Description	Product group	Weight (kg)	Quantity	Position
1	80433181	L.SP3 screw C-100-008	General screw head	1.075	1	<input type="checkbox"/>
2	70864218	L.SP3 screw H0311	Output screw gear		1	<input type="checkbox"/>
3	91801272	L.SP3 angle 180-002	Angle head	1.800	1	<input type="checkbox"/>
4	90000008	Actuator unit according to the customer specifications	Drive unit	0.790	1	<input type="checkbox"/>
5	90000077	L.SP3 screw 180-2027	Drive adapter	0.450	1	<input type="checkbox"/>
6	90000032	L.SP3 connect index 130	Adapter	0.790	1	<input type="checkbox"/>
7	80381076	ETS 0181-120-12 without drive unit	Tool		1	<input checked="" type="checkbox"/>
8	00000100	Adaption - Adapter to drive unit	Service		1	<input type="checkbox"/>

Quantity: 1

TECHNICAL DETAILS

Input torque: 121,215 Nm      1072,846 in lbf  
Output torque: 120,899 Nm      1062,696 in lbf  
Total gear ratio: 1,000  
Total efficiency factor: 0,790  
Weight per fastening system: Drehmomentenklasse 2,000 Nm



Save 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

Johannes Lübbering GmbH  
Industriestraße 4  
33442 Herzebrock-Clarholz | Germany

Fon: +49 (52 45) 83 09 – 0  
Fax: +49 (52 45) 83 09 – 250

[info@luebbering.de](mailto:info@luebbering.de) | [www.luebbering.de](http://www.luebbering.de)



Hrabinská 498/19, 737 01 Český Těšín, Česka republika  
Mobil: +420 731 018 782