

# LUKAS® LS 511 EN

## Premium Cutter

The LUKAS Premium Cutter LS 511 EN offers a monster cutting force of 97.5 tons. The blade geometry has been optimized for cutting most modern vehicle profiles. In this blade design the material is moved to the center of motion, where cutting forces are the highest. The performance of this tool exceeds the requirements of most modern vehicles and has enough power reserves for future car construction. A profitable investment for years to come.

### Recommended applications:

- ✓ Tackling heaviest rescue operations on modern car, truck or bus constructions
- ✓ Cutting hardened and reinforced A-, B- and wide C-posts of modern passenger vehicles and all known side-impact bars
- ✓ Responding to large-scale rescue situations such as railroad-, aircraft-, naval accidents, natural disasters and building collapses
- ✓ Cutting metal construction and steel walls

### Highlights:

- ✓ Offers the ultimate cutting performance
- ✓ Blades with optimized shape pull the material towards the center of motion, where cutting forces are the highest
- ✓ Precise tool operation with your finger tips in any position
- ✓ Fast opening and closing action speeds up the rescue
- ✓ Operator safety design – all moving mechanical parts are covered
- ✓ Re grindable blades
- ✓ Tool fully balanced



Blade opening  
5.2 in. / 132 mm

Cutting force more than 97.5 tons

Round bar  $\varnothing$  1.6 in. / 41 mm



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### Technical Data

Cutting force up to	213,560 lbs / 950 kN
Round steel material up to dia.*	1.6 in. / 41 mm
Blade opening	5.9 in. / 150 mm <sup>1)</sup>
Oil requirement	9.2 cu.in. / 150 cm <sup>3</sup>
Dimensions: l x w x h	29 x 10 x 6.7 in 737 x 255 x 170 mm
Weight	41.4 lbs / 18.8 kg

1) as per April 2006

\* Average hardness of round stock material 360 ... 490

LUKAS Hydraulic Pumps are set to a system pressure of 630 bar. Acc. to DIN standard the working pressure can be increased at 10%. If the tools are operated with the increased working pressure (693 bar), also the tool forces would increase by 10 %.

### Useful Accessories

Cutter Blade	Weight	8.4 lbs / 3.8 kg
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### Adjustable Handle



### Power Units

CP 100

GO-3T / GO-2 L / GW-2L / GS-2L

DO-1R

Motor pumps, Series 6

TRIMO

**Approved:**  **DIN EN 13 204 · NFS · NFPA**

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