

LUKAS® LS 501 EN

Premium Cutter

The LUKAS Premium Cutter LS 501 EN features the ultimate combination of monster force, large blade opening and a long cutting edge. The shape of the blades is optimized for cutting vehicle parts. The tool offers much more cutting performance than required for extrication of trapped casualties out of modern vehicles with highest stability design. By ergonomically designed blades the material is moved to the center of motion, where cutting forces are the highest.

Recommended applications:

- ✓ Heaviest rescue operations such as modern cars, truck or bus constructions
- ✓ Cutting 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 man-holes in steel walls

Highlights:

- ✓ Offers the ultimate cutting performance
- ✓ Optimum shape of the blades to cut vehicle parts
- ✓ The ergonomically designed blades pull the material towards the center of motion, where cutting forces are the highest
- ✓ Precise tool operation with your fingertips in any position
- ✓ Fast opening and closing action speeds up the rescue
- ✓ Operator safety design – all moving mechanical parts are covered
- ✓ Regrindable blades
- ✓ Tool fully balanced

Cutting force more than 69 t



Blade opening
7.2 in. / 182 mm

Round bar ø 1.5 in. / 38 mm



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Technical Data

Cutting force up to	152,900 lbs / 680 kN
Round steel material up to dia.*	1.4 in. – 1.5 in. / 35 – 38 mm
Blade opening	7.2 in. / 182 mm
Oil requirement	9.2 cu.in. / 150 cm ³
Dimensions: l x w x h	30.4 x 9.6 x 6.5 in 772 x 245 x 165 mm
Weight	42.3 lbs / 19.2 kg

* Average hardness of round stock material 400 ... 550 MPa

LUKAS Hydraulic Pumps are set to a system pressure of 630 bar. Acc. to DIN and prEN 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 %.

Power Units

CP 100
GW-4TB
GO-3T / GO-2 L / GW-2L / GS-2L
DO-1R
Motor pumps, Series 6
TRIMO

Useful Accessories

Cutter Blade Weight 7.3 lbs / 3.3 kg



Approved:  **DIN/TÜV · NFS · NFPA · prEN**

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