

Typ of cutter		LSI 55	
Connection / control	4/3-way-valve	Electric controls	Cylinder bottom
Ref. no.	84150/1494	84150/91494	84150/81494
Dimensions l x w x h without connection hoses	(mm) 862 x 235 x 168	860 x 235 x 168	626 x 235 x 168
Opening at tips (mm)	430		
Weight incl. oil filling (kg)	23,9	22,5	21
Operating pressure (Mpa)*	50		
Necessary oil quantity (l)**	0,11		

* 1MPa = 10 bar;
** Necessary oil quantity in the hydraulic power pack for operating the tool
(Difference in quantity piston / rod side)

14.1 Central bolt / Torque

Type	LSI 501 / LSI 511 / LSI 511 / LSI 530 / LSI 55	Central bolt	Wrench size (mm)	Torque (Nm)
		M 27 x 1,5	41	130+10

14.2 Oil recommendations

Oil for LUKAS Hydraulic devices: Mineral oil DIN 51524 and others

	Range of oil temperature	Viscosity rating	Remarks
A	-24 ... +30°C	HL 5	
B	-18 ... +50°C	HLP 10	
C	-8 ... +75°C	HLP 22	
D	+5 ... +80°C	HLP 32	
E	-8 ... +70°C	HF - E15	biodegradable

Recommended viscosity range: 10 ... 200 mm²/s
Delivered with HLP 22 DIN 51524

14.3 Hoses

Bending radius	Rmin = 38 mm
Safety factor: burst pressure / max. operating pressure, min. 4 : 1	
Temperature resistance	- 40 °C ... + 100 °C
Operating medium	Mineral oil according to DIN 51524

14.4 Temperature ranges

Operating temperature	-20 ... +55°C
Ambient temperature (device in operation)	-24 ... +45°C
Storage temperature (device not in operation)	-30 ... +60°C

14.5 Cutting performance

Cutting material	Cutting material dimensions with							
	LSI 501		LSI 511		LSI 530		LSI 55	
	max. [mm]	continuous operation [mm]	max. [mm]	continuous operation [mm]	max. [mm]	continuous operation [mm]	max. [mm]	continuous operation [mm]
Round bar steel (Rm 750 N/mm ²)	28	24	30	25	28	24	28	24
Round bar steel (Rm 550 N/mm ²)	30	25	32	26	30	25	30	25
Round bar aluminum (Rm 400 N/mm ²)	36	32	38	34	36	32	36	32
Round bar copper (Rm 200 N/mm ²)	38	34	42	36	38	34	38	34
U-profile steel (Rm 500 N/mm ²)	50x40x5	40x25x5	60x40x6	60x25x6	65x45x6	60x40x5	65x45x6	60x40x5
Flat steel (Rm 500 N/mm ²)	125x10	80x10	115x10	80x10	100x15	80x10	100x15	80x10
Steel pipe (Rm 500 N/mm ²)	76x4	60x3	76x4	60x3	76x4	60x40x5	80x5	65x5
Square pipe (Rm 500 N/mm ²)	60x4	40x4	60x40x6	40x4	65x5	50x4	70x5	55x4
Angle steel (Rm 500 N/mm ²)	50x8	50x6	50x10	60x6	50x8	50x6	50x8	50x6