

LUKAS Recycling Tools										
Cutting Performance										
Series			LSI 200/400/500 LSI 600 *		LSI 220/420 LSI 620 **		LSI 230/430/630		LSI 610 (E)	
Blade Type			Small Curved (X00)		Large Curved (X20)		Parrot (X30)		Straight Short (X10)	
Material	Material Type	Max. Strength of Material	Peak pressure 7,250 psi (500 bar)	Continuous Operation 60% 4,350 psi (300 bar)	Peak pressure 7,250 psi (500 bar)	Continuous Operation 60% 4,350 psi (300 bar)	Peak pressure 7,250 psi (500 bar)	Continuous Operation 60% 4,350 psi (300 bar)	Peak pressure 7,250 psi (500 bar)	Continuous Operation 60% 4,350 psi (300 bar)
Carbon Steel	Bar Stock	109K psi (750 Rm)	0.91" (23 mm)	0.71" (18 mm)	0.91" (23 mm)	0.71" (18 mm)	0.91" (23 mm)	0.71" (18 mm)	0.91" (23 mm)	0.71" (18 mm)
	Bar Stock	73K psi (500 Rm)	0.98" (25 mm)	0.79" (20 mm)	0.98" (25 mm)	0.79" (20 mm)	0.98" (25 mm)	0.79" (20 mm)	0.98" (25 mm)	0.79" (20 mm)
	Quad Pipe	73K psi (500 Rm)	1.57"x0.16" (40x4 mm)	1.18"x0.16" (30x4 mm)	1.57"x0.16" (40x4 mm)	1.18"x0.16" (30x4 mm)	2.17"x0.16" (55x4 mm)	1.57"x0.16" (40x4 mm)	1.97"x0.16" (50x4 mm)	1.38"x0.16" (35x4 mm)
	Pipe	73K psi (500 Rm)	2.56"x0.12" (65x3 mm)	2.36"x0.12" (60x3 mm)	2.83"x0.12" (72x3 mm)	1.97"x0.12" (50x3 mm)	2.83"x0.12" (72x3 mm)	2.36"x0.12" (60x3 mm)	2.76"x0.12" (70x3 mm)	2.36"x0.12" (60x3 mm)
	Angle	73K psi (500 Rm)	1.97"x1.97" x0.2" (50x50 x5 mm)	1.97"x1.97" x0.16" (50x50 x4 mm)	1.97"x1.97" x0.2" (50x50 x5 mm)	1.97"x1.97" x0.16" (50x50x4 mm)	1.77"x1.77" x0.24" (45x45x6 mm)	1.97"x1.97" x0.2" (50x50x5 mm)	1.77"x1.77" x0.24" (45x45x6 mm)	1.97"x1.97" x0.2" (50x50x5 mm)
	Flat	73K psi (500 Rm)	2.36"x0.31" (60x8 mm) 3.15"x0.31" * (80x8 mm *)	2.36"x0.24" (60x6 mm) 3.15"x0.24" * (80x6 mm *)	3.15"x0.31" (80x8 mm) 3.94"x0.39" ** (100x10 mm **)	2.36"x0.24" (60x6 mm) 3.15"x0.39" * (80x10 mm *)	2.36"x0.59" (60x15 mm) 3.94"x0.39" (100x10 mm)	3.15"x0.31" (80x8 mm)	3.94"x0.39" (100x10 mm)	3.15"x0.31" (80x8 mm)
	U-Profile	73K psi (500 Rm)	2.36"x1.18" x0.24" (60x30x6 mm)	1.57"x1.57" x0.16" (40x40 x4 mm)	2.36"x1.18" x0.24" (60x30 x6 mm)	1.57"x1.57" x0.16" (40x40x4 mm)	2.56"x1.57" x0.24" (65x40x6 mm)	2.36"x1.18" x0.24" (60x30x6 mm)	2.56"x1.57" x0.24" (65x40x6 mm)	2.36"x1.18" x0.24" (60x30x6 mm)
Aluminum	Bar Stock	58K psi (400 Rm)	1.1" (28 mm)	0.94" (24 mm)	1.1" (28 mm)	0.94" (24 mm)	1.1" (28 mm)	0.94" (24 mm)	1.1" (28 mm)	0.94" (24 mm)
Copper	Bar Stock	29K psi (200 Rm)	1.38" (35 mm)	1.1" (28 mm)	1.38" (35 mm)	1.1" (28 mm)	1.38" (35 mm)	1.1" (28 mm)	1.38" (35 mm)	1.1" (28 mm)