

TECHNICAL DATASHEET
Cycle-controlled Lathe

Manufacturer	WEILER
Type	E70 x 2000
Built	1998/2017
Control	Siemens 810D / cycle control Weiler D1

Working Area

swing diameter over bed	720 mm
swing diameter over cross slide	430 mm
Center height	360 mm
Turning length	2.000 mm
Movement cross slide	410 mm
Movement top slide	140 mm
Bed width	480 mm
Lathe tool cross section h x b	32x25 mm

Main spindle

Spindle head according to DIN 55027	Size 11
Spindeldiameter in front bearing	150 mm
Spindel bore	106 mm
Spindle taper	metrical
Speed range	1 -1800 min-1
Power 60/100% ED	37,5/30 kW
Speed range gear stage 1	1 – 450 min-1
Speed range gear stage 2	4 – 1800 min-1
Max. torque (Gear step 1 / 2)	2.600/650 Nm

Drives

Feed force Z/X	20/10 kN
Feed range Z/X	0 - 5 mm/U
Max. feed Z/X	10/5 m/min

Tailstock

Quill Diameter	115 mm
Quill stroke	225 mm
Quill taper	MK 6

Threading ranges

Metrical threads	0,1 – 250	mm
Inch threads	¼ - 56	inches
Modulus threads	0,125 – 28	mm
DP – thread	1 – 224	DP

Cycle control WEILER D1

Programmable working cycles for area clearance, plunges,
threading, boring/threading, and undercuts
DIN-programm cycle

Dimensions

Length x Width x Height	4,2 x 2,4 x 2,0	m
Weigth ca.	5.200	kg

Accessories

1 pc. steady rest diameter max. 250 mm	
1 pc. Coolant tank with chip conveyor	
1 pc. Hand-operated chuck SCHUNK Rota S-plus 315-92	Ø 315 mm
1 pc. 4-jaw face plate	Ø 500 mm
1 pc. 4-jaw face plate FORKARDT PSA400	Ø 400 mm
Multifix clamping size C	
div. tool holders Multifix	

The machine has been geometrically retrofitted in 2017

