

## Planetary Saws



*Saw and cutting device STU 250*

### Technical Features

American Maplan's series of planetary saws offer three different sizes for sawing, cutting or chamfering of plastic pipes (STU). The rotating sawing unit (SU) is a classic planetary saw for cutting with material removal and simultaneous chamfering.

It is suitable for pipe diameters of up to 1,600 mm.



*Pipe guiding during cutting*

### Additional Features

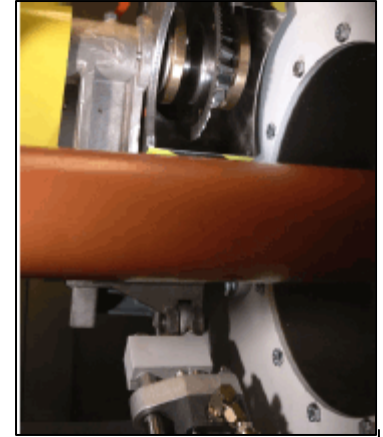
The travelling saw carriage is driven pneumatically or with a rack-and-pinion servo drive as required. The saw is run with a BMC *smart* operating panel.

Cutting or measurement of length can be controlled either with the saw's BMC *smart* controls system or through the haul-off's control unit.

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## Saw and cutting programs:

- Cutting and chamfering with material removal optional for one or both ends for PVC pipe.
- Chamfering with material removal and then swarfless cutting of PVC foam core pipe (no swarfs on the inside of the pipe).
- Cutting of PO pipe with material removal (sawing) with a special raker saw blade, for clean cuts of very warm pipe.
- Partial saw blade cutting with subsequent swarfless cut-off for PO pipe (no swarfs on the inside of the pipe).
- Classic combination of milling and sawing.
- Direct swarf extraction at the saw blade with additional extraction at the bottom of the saw carriage.



PVC cutting equipment

Type	STU 125	STU 160	STU 250 P	STU 250 E	STU 500 PX	STU 500 EX	STU 800 PX	STU 800 EX	SU 1400 PX	SU 1600
Saw blade diameter [mm] *only for PE materials	180	180	200 225*	200 225*	200 225*	200 225*	250 300*	250 300*	250 300*	400*
Milling cutter diameter [mm]	180	180	125	125	125	125	180	180	180	180
Max. cutting frequency [1/min] (in idle mode)	6	8	8	8	2	4	2.5	2.5	1	1
Max. traveling speed [m/min]	20	20	7.5	15.0	10.0	12.0	3.0	6.0	1.5	2.5
Saw carriage travel path [mm]	1500	1500	1500	1800	1500	1890	1500	2000	1500	1500
Connected load inc. extraction [kW]	8.1	8.1	6.0	8.0	8.3	12.0	11.5	13.5	11.5	16.5
Clamping from- to [mm] (V-shaped clamps)					90 – 160 160 – 250 250 – 400 400 – 500	90 – 140 160 – 250 250 – 400 400 – 500	160 – 250 250 – 400 400 – 630 630 – 800	160 – 250 250 – 400 400 – 630 630 – 800	250 – 400 400 – 630 630 – 1000 1000 – 1400	315-500 500-710 710-1200 1200-1600
Half Shell Clamping ** per pipe O.D.	Up to 125**	Up to 125**	40-160**	40-160**						
Extrusion Height [mm] Std.	1080	1080	1080	1160	1160	1160	1250	1250	1750	
Extrusion Height [mm] Opt.	1100-1250	1100-1250	1100-1250	1100-1250	1110-1210	1110-1210	1150-1350	1150-1350	>1750	1750
Length [mm]	4150	4100	4420/5920	4420/5920	4600/6100	4005/4460	4505/5000	4505/5000	3480/4070	4220/5520
Width [mm]	1135	1135	1500	1500	1800	1800	2150	2150	2750	3400
Height [mm]**	2450	2450	1700	1700	2200	2200	2350	2350	3200	3450
Weight [kg]	1400	1400	3000	3000	3200	2200	2400	2600	4500	8800

\*\*Overall height. If height above centerline is required, subtract extrusion height from overall height

In the interest of continuing development, we reserve the right to amend any specification without notice.



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