

# DRYTECH® TCT AURORA SAW BLADES

## FOR CARBON FIBER REINFORCED PLASTICS

Machining of carbon-fiber-reinforced plastics is currently dominated by milling technology, as this is associated with challenges for conventional saws due to the amount of dust volume. But cutting instead of milling is an advantage by trimming large parts during the machining process.

Using DRYTECH® Aurora saw blades in Carbon fiber reinforced plastics lead to high-cost efficiency due to time and material savings. Our high-tech thin-cutting technology and the associated low dust volume in connection with high blade life performance and excellent cutting quality making further reworking superfluous.

In addition to our standard range, we also manufacture customer-specific dimensions. Competent advice and the possibility of performing cutting tests in our in-house test center fulfill our service.

### Applicable on:

- Robots
- Milling Centres
- 5-Axe CNC Machining Centres
- Aluminum & Wood Working Machines

### Suitable for:

- carbon - fiber reinforced plastics
- carbon - fiber reinforced thermo plastics
- aramid fibre reinforced
- plastics
- glass - fiber composite
- prepreg
- pipes
- profiles
- plates

### Advantages:

- clean cutting edge
- prevent delamination due to finest pitch
- less dust volume
- material saving through thin cut technology
- less heat development due to lower cutting resistance

### RANGE OF SAWBLADES WALL THICKNESS UP TO 10 MM

Ø [mm]	Kerf [mm]	Body [mm]	Bore [mm]	Teeth	Reference
70	1	0,9	22,2H	60	AURDTS07060
80	1	0,9	22,2H	68	AURDTS08068
115	1	0,9	22,2H	100	AURDTS115100
120	1	0,9	22,2H	60	AURDTS120060
				80	AURDTS120080
				100	AURDTS120100
150	1	0,94	25,4H	80	AURDTS150080
				100	AURDTS150100
192	1	0,94	20,0H	120	AURDTS150120
				160	AURDTS192160
200	1,2	0,94	30,0H	180	AURDTS200180
255	1,4	1,2	25,4H	220	AURDTS255220
305	1,6	1,4	30,0H	260	AURDTS305260
355	2,0	1,7	25,4H	300	AURDTS355300
405	2,5	2,25	30,0H	280	AURDTS405280

Customized pin holes and bore on request!

### WALL THICKNESS GREATER THAN 10 MM

Ø [mm]	Kerf [mm]	Body [mm]	Bore [mm]	Teeth	Reference
250	4	3,0	30,0H	80	AURDTS250080
305	4	3,0	30,0H	100	AURDTS305100
355	4	3,0	30,0H	120	AURDTS355120

Customized pin holes and bore on request!

### Recommended cutting parameters

Cutting speed	3.000 m/min
Feed speed	4.000 - 15.000 mm/min

