

# BI-ALFA PROFILE

The ROENTGEN bi-alfa Profile and Profile WS band saw blade provides outstanding performance on vibration-susceptible cuts. Vibration during cutting of tubes, beams and profiles is often damaging to a conventional band saw blade, which lowers blade life and cut area considerably. For these demanding applications; ROENTGEN offers the perfect solution with Profile and Profile WS!

The reinforced back edge of the tooth increases the overall strength of the tooth to withstand vibrations during interrupted cutting and protects the band saw blade against tooth strippage. The tooth tip consists of proven HSS M42, which has good mechanical features. Bi-alfa Profile is the band saw blade giving the best results when cutting round and square tubes as well as beams.

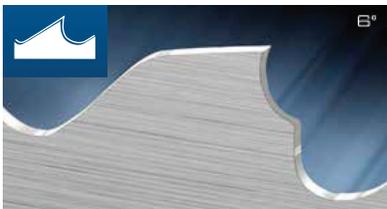
## PROFILE TOOTH

TOOTH FORM



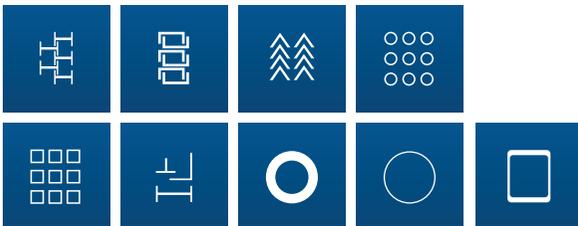
## PROFILE TOOTH - PIPE

TOOTH FORM



The profile tooth withstands due to a reinforced tooth the vibrations during cutting of beams and tubes. This effect is intensified by the reduced cutting angle of 6°.

## APPLICATION AREAS



**BI-ALFA**  
PROFILE

### Teeth per inch

	3/4	4/6	5/7	8/11	12/16
13 x 0,6				■	
20 x 0,9				■	
27 x 0,9	■			■	■
34 x 1,1	■			■	
41 x 1,3	■	■	■		
54 x 1,6	■				
67 x 1,6	■				

Band saw blade width x thickness (mm)

### Teeth per inch / Pipe

	3/4	4/6	5/7	8/11	12/16
13 x 0,6					
20 x 0,9					
27 x 0,9					
34 x 1,1	■				
41 x 1,3	■				
54 x 1,6	■				

Band saw blade width x thickness (mm)