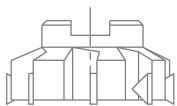


**FRAISAGE
HAAS**

A diagram of a curved beam with a rectangular cross-section. The beam is curved upwards. A vertical line on the left represents the center of gravity. A horizontal line segment is drawn across the middle of the beam's cross-section, representing the neutral axis.

$$\frac{1}{3}$$


T1 D1

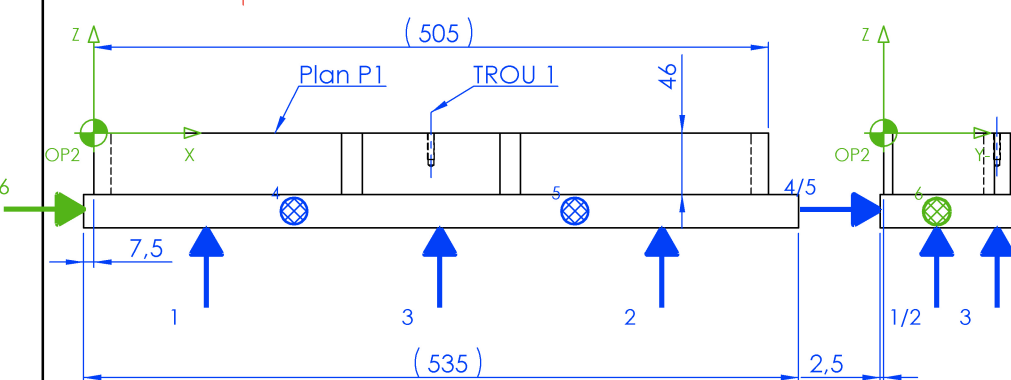
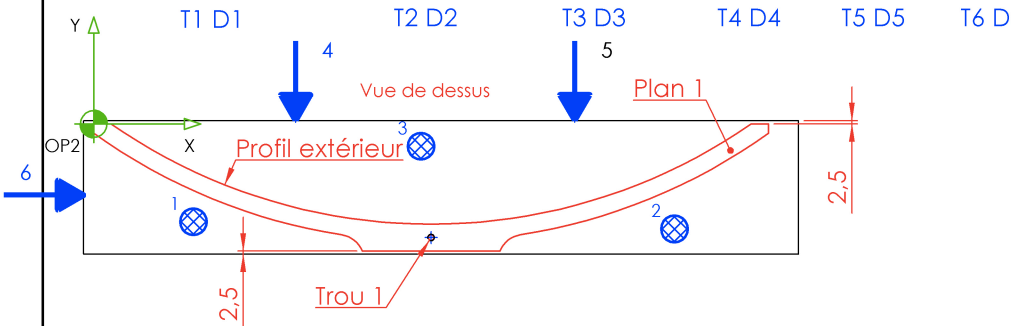
T2 D2

T3 D3

T4 D4

T5 D5

T6 D6



OPERATIONS	OUTILS	Vc m/min	n tr/min	f / fz mm/tr mm/dent	Vf mm/min	T	D
a) Ebauche / finition plan P1	Fraise carbure à Surfacier-Dresser 80 mm	250	995	0.08	637	1	1
b) Ebauche profil extérieur	Fraise ARS à Rainurer 30 mm	60	637	0.05	127	2	2
d) 1/2 finition profil extérieur	Fraise ARS à Rainurer 16 mm	60	1194	0.03	72	3	3
e) Finition profil extérieur		60	1194	0.03	72	3	3
f) Pointage TROU 1	Foret à Pointer	75	4000	0.05	200	4	4
g) Perçage / déburrage TROU 1	Foret ARS Coupe Alu 4,2 mm	50	3789	0.03	114	5	5
h) Taraudage TROU 1	Taraud Goujures Hélicoïdales M5 x 0.8	6	400	0.8	320	6	6