

DRIVING BAND CONSTANTS

The width of one groove and one land is known as the “Constant” of the driving band. Its value is expressed as:

$$C = \frac{\text{Circumference}}{\text{Number of grooves}}$$

This dimension is constant for each model of gun and the projectile fired by that gun. It is possible, by measuring the distance of one groove plus one land ascertain the constant and this will tell you the gun and weapon that fired the projectile.

CONSTANT	GUN
6.9mm	5cm gun
7.0mm	2cm AA gun
7.6mm	7.7cm fd Gun
7.9mm	6cm boat gun
8.6mm	8.8cm naval gun
9.7mm	8.7cm gun
9.8mm	15cm gun
10.0mm	7.62 Russian gun
10.3mm	10.5cm light gun
	10cm gun
	10.5cm naval gun
	21cm naval gun L40
	24cm naval gun L40
10.4mm	21cm mortar
	17cm naval gun L40
10.5mm	120mm French gun
10.6mm	12cm Russian light fd how
10.7mm	15cm gun
	15cm naval gun L40
	95mm French gun
11mm	21cm naval gun L45
	28cm Naval gun L45
11.1mm	42cm Mortar
11.5mm	9cm gun
11.8mm	13cm gun
12.2mm	38cm naval gun
12.6mm	12cm gun
13.1mm	15cm long gun
	15cm hvy fd how
13.9mm	20.3cm Russian how.
14.1mm	30.5cm Austrian how.
14.7mm	15cm long hvy fd how.
15.5mm	35.6cm Coast gun
19.6mm	15cm ringkannone.