

# TVH® TV12 (CuSn12)

Density 8,80 g/cm<sup>3</sup>

Tin bronze

## Specifications:

TRAID	TVH®	TV12
D	DIN 1705	CuSn12
F	AFNOR	U-E 12
GB	BS	BS 1400 PB2
USA	CDA	C 91700

## Nominal composition:

Cu	84 – 88,5 %
Sn	10,5 – 13 %
Pb	0,6 – 1 %
Ni	Max. 2%
P	Max. 0,4 %
Others combined	Rest

NOMINAL PROPERTIES	UNIT	CONTINUOUS CAST	CENTRIFUGALLY CAST	SAND CASTINGS
Tensile strength R <sub>m</sub>	MPa	> 300	280	260
Yield strength R <sub>p0,2</sub>	MPa	> 150	150	140
Elongation A <sub>5</sub>	%	8	5	12
Brinell Hardness	HB 10	> 90	95	80
Modulus of elasticity E	GPa	118	118	118

## MAIN CHARACTERISTICS

Good wear resistance  
 Optimal for high sliding speed  
 Resistant to sea water  
 Good corrosion resistance

## INDUSTRY APPLICATIONS

Spindle screw  
 Pressure screw-nut  
 Gear wheel  
 Machine tool parts

Notice: The information given was made with our knowledge indicating our product's possible applications. Existing commercial patents must be observed. These values represent averages taken from samples, so we reserve the right of technical alterations. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. The customer is solely responsible for the quality and suitability of products for the application and has to test usage and processing prior to use. Data sheet values are subject to periodic review, the most recent update can be found at [www.traidvillarroya.com](http://www.traidvillarroya.com). Traidamid, TKG and TVH as well as their logos are registered trademarks of the Traid Villarroja group of companies, in Europe and other countries.