

TVH® TV430 (CuZn25Al5Mn4Fe3)

Density 7,83 g/cm³

Manganese Bronze

Specifications:

TRAID	TVH®	TV430
D	DIN 1709	CuZn25Al5
AUS	AS 1565	C86300
CHINA	GOST17711	CuZn25Al6Fe3Mn3
USA	ASTM B30	C86300

Nominal composition:

Cu	60 – 67 %
Mn	2,5 – 5 %
Al	3 – 7 %
Fe	1,5 – 4 %
Zn	Rest
Ni	0 – 3 %

NOMINAL PROPERTIES	UNIT	CONTINUOUS CAST
Tensile strength R _m	MPa	> 750
Yield strength R _{p0,2}	MPa	> 450
Elongation A ₅	%	8
Brinell Hardness	HB 10	> 180
Modulus of elasticity E	GPa	105

MAIN CHARACTERISTICS

Great mechanical properties
 High strength
 Great corrosion resistance

INDUSTRY APPLICATIONS

Marine hardware, rudders, clamps
 Screw down nuts for fasteners
 Heavy load bearings and bushings for aerospace industry
 Pump impellers and valve guides and seats for oil and gas industry

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