

	Ductile cast iron	Page 1(1)
	<b>Mekava GJS 500</b>	Approved: T.S.
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## Chemical composition

	C %	Si %	Mn%	P %	S %	Mg %
min.	3,2	1,8				0,03
max.	3,8	2,8	0,6	0,05	0,02	0,08

## Mechanical properties

Condition	Relevant wall thickness t mm	Yield strength	Tensile strength	Elongation	Impact strength	Hardness *
		R <sub>p0,2</sub> MPa, min.	R <sub>m</sub> MPa, min.	A <sub>5</sub> %, min.	KV +20 °C J, min.	HBW
Cast sample Ø 14 mm	...30	320	500	7		
	over 30...60	300	450	7		170...230
	over 60...200	290	420	5		150...230

\*Hardness depends on wall thickness.

## Related standards

EN 1563:2018	ASTM A536
EN-GJS-500	80-55-06