

18G2A (1.0562)
stock sizes [mm]

sheets to 1000 mm width and to 300 mm thickness; cut to any size
 round bars from Φ 30 mm to Φ 650 mm diameter

Description:

High strength alloy steel, weldable

Application:

mostly for building structures, bridges, nets and bars to reinforce concrete, for pressurized tanks and pipes

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Al	Cu
0,2	1,5	0,2-0,5	max 0,04	max 0,04	max 0,03	max 0,03	-	-	-	max 0,2	max 0,3

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
18G2A	1.0562	S355	A588	15GF	ST52-3

Processes

welding	YES
forging	NO
rolling	NO
nitriding	NO
hardening	NO
tempering	NO

Hardness

after softening	220 HB
Rm	490-630 MPa
Re	335 MPa