

55S2 (1.5026)
stock sizes [mm]

flat bars

from 40 mm to 120 mm width and from 6 mm to 40 mm thickness

Description:

High-quality, alloy, silicon, spring steel

Application:

Flat springs, leaf springs, coil and plate spring, torsion bars,

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Al	Cu
0,52-0,6	0,6-0,9	1,5-2,0	max 0,04	max 0,04	-	-	-	-	-	-	-

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
55S2	1.5026	55Si7	9255	55S2	-

Processes

welding	NO	
hardening	YES	temp. 830 - 860 [°C]
tempering	YES	temp. 430 - 500 [°C]

Hardness

after softening	235 HB
Rm	1470-1670 MPa
Re	1080 MPa