



Technical data sheet – S325G / S355J2 / ST52 (1.0570)

- Unalloyed mild steel
- Other short names: ST52-3, S355J2, S355J2G3
- With special cold formability: 1.0569; S355J2G3C
- Previous designation of steel types according to intended use:
 - o Folding: 1.0573; QSt 52-3 N
 - o Roll forming: 1.0597; ZSt 52-3 N
 - o Cold drawing: 1.0575; KSt 52-3 N
- Good weldability

Applications: simple applications in mechanical engineering

Chemical composition (acc. DIN EN 10250-2 (07/2022))

Mass fraction in %			
S325G	C [%]	Si [%]	Mn [%]
	≤ 0,22	≤ 0,55	≤ 1,60
	Cr [%]		
			≤ 0,30
	P [%] max.	S [%] max.	Mo [%]
0,035	0,035	≤ 0,0	≥ 0,0200
Ni [%]			
≤ 0,30			

ISO 9001: 2015 TÜV NORD certified.



Mechanical properties

(acc. DIN 1623 (05/2009) cold rolled sheet metal)

Yield strength (Re)	>= 325 MPa
0,2% Yield strenght (Rp0,2)	>= 325 MPa
Tensile strength (Rm)	510 - 680 MPa
Elongation (A 80 mm)	>= 16 %

ISO 9001: 2015 TÜV NORD certified.