

B10	0,05	0,10	0,08	0,15	0,35	0,50	≤ 0,040	≤ 0,050	≤ 0,012	≤ 0,45	≤ 0,500
B10-K	0,06	0,10	0,10	0,15	0,45	0,60	≤ 0,040	≤ 0,050	≤ 0,012	≤ 0,45	≤ 0,500
NPS-50	0,15	0,17	0,12	0,20	0,80	0,90	≤ 0,040	≤ 0,050	≤ 0,012	≤ 0,45	≤ 0,500
for zinc-plating*			0,12	0,20			≤ 0,020				

*Applicable for all compositions, to be specified at the time of order

Mekanik Özellikleri

	Yield strength	Tensile strength	Ratio	Elongation		Notch impact energy
	Re (N/mm2)	Rm (N/mm2)	Rm / Re	A10 (%)	A5 (%)	[J]
B10	≥ 300	≤ 450	≈ 1,40	≈ 30	≥ 35	-
B10-K	≥ 300	≥ 450	≈ 1,40	≈ 30	≥ 35	-
NPS-50	≥ 350	≥ 480	≈ 1,35	≈ 30	≥ 20	≥ 27

- [Steel Grades TS2348 EN10016](#)
- [Carbon Steel](#)
- [SAE 1006](#)
- [ISO 8457-1-2-EQV](#)
- [EN 10016-2-EQV](#)
- [BS 10016-2-EQV](#)
- [DIN 10016-2-EQV](#)
- [NF A35-051-2 NF](#)
- [UNS G10250](#)
- [ASTM M1031](#)
- [SAE M1031](#)
- [UNS G10310](#)
- [ASTM M1044](#)
- [SAE M1044](#)
- [UNS G10440](#)
- [SAE 1005](#)
- [AISI 1005](#)
- [UNS G10050](#)

DATA TABLE FOR:STEEL GRADES:CARBON STEEL:SAE 1006

Chemical composition % of the ladle analysis of grade SAE 1006

Mechanical properties of grade SAE 1006

Technological properties of grade SAE 1006

Hardness and heat treatment specification of grade SAE 1006

Annealing hardness HBS	Cold pull hardness HBS	Preheating temperature °C	Quenching temperature °C		Holding time min	Hardening medium	Temper temperature °C	After tempering hardness ≥HRC
			salt-bath furnace	controlled atmosphere furnace				
235	262	788	1191	1204	5~15	air cooling	522	60
Steelplate/Sheet thickness / mm			σ _b MPa	σ _s ≥/Mpa	δ Samples from the Rolling2 for 50 mm (2 in)		180 °of cold bending test	
Hot-rolled/Cold Rolling:5 – 150			520	415	16~18		longitudinal	horizontal
						2a	3.5a	

- [SAE 1008](#)
- [ISO 8457-1-2-EQV](#)
- [EN 10016-2-EQV](#)
- [BS 10016-2-EQV](#)
- [DIN 10016-2-EQV](#)
- [NF A35-051-2 NF](#)
- [UNS G10310](#)
- [ASTM M1044](#)
- [SAE M1044](#)
- [UNS G10440](#)
- [SAE 1005](#)
- [AISI 1005](#)
- [UNS G10050](#)
- [SAE 1006](#)
- [AISI 1006](#)
- [UNS G10060](#)

DATA TABLE FOR:STEEL GRADES:CARBON STEEL:SAE 1008
Chemical composition % of the ladle analysis of grade SAE 1008
Mechanical properties of grade SAE 1008

Technological properties of grade SAE 1008

Hardness and heat treatment specification of grade SAE 1008

Annealing hardness HBS	Cold pull hardness HBS	Preheating temperature °C	Quenching temperature °C		Holding time min	Hardening medium	Temper temperature °C	After tempering hardness ≥HRC
			salt-bath furnace	controlled atmosphere furnace				
235	262	788	1191	1204	5~15	air cooling	522	60
Steelplate/Sheet thickness / mm		σ _b MPa	σ _s ≥MPa	δ Samples from the standard for 50 mm (2 in)	180 °of cold bending test			
Hot-rolled/Cold rolling:5 - 150					520	415	16~18	longitudinal

- [SAE 1010](#)
- [ISO 8457-1-2-EQV](#)
- [EN 10016-2-EQV](#)
- [BS 10016-2-EQV](#)
- [DIN 10016-2-EQV](#)
- [NF A35-051-2 NF](#)
- [UNS G10050](#)
- [SAE 1006](#)
- [AISI 1006](#)
- [UNS G10060](#)
- [SAE 1008](#)
- [AISI 1008](#)
- [UNS G10080](#)
- [SAE 1009](#)
- [AISI 1009](#)
- [UNS G10090](#)

DATA TABLE FOR:STEEL GRADES:CARBON STEEL:SAE 1010
Chemical composition % of the ladle analysis of grade SAE 1010

Mechanical properties of grade SAE 1010

Technological properties of grade SAE 1010

Hardness and heat treatment specification of grade SAE 1010

Annealing hardness HBS	Cold pull hardness HBS	Preheating temperature °C	Quenching temperature °C		Holding time min	Hardening medium	Temper temperature °C	After tempering hardness ≥HRC
			salt-bath furnace	controlled atmosphere furnace				
235	262	788	1191	1204	5~15	air cooling	522	60
Steelplate/Sheet thickness / mm		σ_b MPa	σ_s ≥MPa	δ Samples from the standard for 50 mm (2 in)	180 °of cold bending test		2a	3.5a
					longitudinal	horizontal		
Hot-rolled/Cold rolling:5 - 150		520	415	16~18				

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