



**Nonresulfurized**  
Carbon Steel Bars

**Norma Tuyper ASTM A29/29M**



Calidades  
Aceros Calibrados



# Nonresulfurized Carbon Steel Bars

Grade Designation	Heat Chemical Ranges and Limits %			
	Carbon	Manganese	Phosphorus, max	Sulfur, max
1008	0,10 max	0,30 - 0,50	0,040	0,050

Grade Designation	Heat Chemical Ranges and Limits %			
	Carbon	Manganese	Phosphorus, max	Sulfur, max
1018	0,15 - 0,20	0,60 - 0,90	0,040	0,050

Grade Designation	Heat Chemical Ranges and Limits %			
	Carbon	Manganese	Phosphorus, max	Sulfur, max
1045	0,43 - 0,50	0,60 - 0,90	0,040	0,050

