

N° 001-B; rev. 20/06/2013

Unique identification of product-type:		Flat products, bars and profiles, cold finished, in grades 1.4301/1.4307/1.4305/1.4401/1.4404/14571, according to EN10088-5.									
Intended use:		ZA.2			System of assessment:			2+			
Manufacturer:		Montanstahl SA Via Gerrette 4, 6855 Stabio, Switzerland									
Notified factory production control certification body No. 0036 (TÜV SÜD Industrie Service GmbH; D – 80686 Munich) performed the initial inspection of the manufacturing plant and of factory production control as well as the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control with no. 0036-CPR-M-63-2013											
In the following tables: Essential Characteristics, Performance values and Harmonized Technical Specification.											
Tolerances on dimensions and shape		Passed			EN 10088-5:2009 (Par. 6.9)						
Chemical values											
Grades:	C	Si	Mn	P	S	Ni	Cr	Mo	Ti	N	
1.4301	≤0.07	≤1.00	≤2.00	0.045	0.030	8.5-10.5	17.5-19.5	-		≤0.10	EN10088-5:09
1.4307	≤0.03	≤1.00	≤2.00	0.045	0.030	8.0-10.5	17.5-19.5	-	-	≤0.10	EN10088-5:09
1.4305	≤0.10	≤1.00	≤2.00	0.045	0.15-0.35	8.0-10.0	17-19	-	-	≤0.10	EN10088-5:09
1.4401	≤0.07	≤1.00	≤2.00	0.045	0.030	10.0-13.0	16.5-18.5	2.0-2.5	-	≤0.10	EN10088-5:09
1.4404	≤0.03	≤1.00	≤2.00	0.045	0.030	10.0-13.0	16.5-18.5	2.0-2.5	-	≤0.10	EN10088-5:09
1.4571	≤0.08	≤1.00	≤2.00	0.045	0.030	10.0-13.0	16.5-18.5	2.0-2.5	5xC – 0.70	-	EN10088-5:09
Mechanical values											
Grades:	Thickness:	Elongation (A) (min.)		Tensile strength (Rm)		0.2% yield strength (min)		Impact strength (KV) (min)			
1.4301	≤ 10	25		600-950		400		NPD			
	10 < t ≤ 16	25		600-950		400		100			
	16 < t ≤ 40	30		600-850		190		100			
	40 < t ≤ 63	30		580-850		190		100			
	63 < t ≤ 160	45		500-700		190		100			
1.4307	≤ 10	25		600-930		400		NPD			
	10 < t ≤ 16	25		600-930		380		NPD			
	16 < t ≤ 40	30		500-830		175		100			
	40 < t ≤ 63	30		500-830		175		100			
	63 < t ≤ 160	45		500-700		175		100			
1.4305	≤ 10	15		600-950		400		NPD			
	10 < t ≤ 16	15		600-950		400		NPD			
	16 < t ≤ 40	20		500-850		190		100			
	40 < t ≤ 63	20		500-850		190		100			
	63 < t ≤ 160	35		500-750		190		100			
1.4401 / 1.4571	≤ 10	25		600-950		400		NPD			
	10 < t ≤ 16	25		580-950		380		NPD			
	16 < t ≤ 40	30		500-850		20		100			
	40 < t ≤ 63	30		500-850		200		100			
	63 < t ≤ 160	40		500-700		200		100			
1.4404	≤ 10	25		600-930		400		NPD			
	10 < t ≤ 16	25		580-930		380		NPD			
	16 < t ≤ 40	30		500-830		200		100			
	40 < t ≤ 63	30		500-830		200		100			
	63 < t ≤ 160	40		500-700		200		100			
Weldability		covered by chemical composition									EN10088-5:09
Durability		covered by chemical composition									EN10088-5:09
Fracture toughness		covered by impact strength									EN10088-5:09
Cold formability		covered by elongation									EN10088-5:09
The performance of the product identified in “Unique identification of product-type” is in conformity with the declared performance in the previous table.											
This declaration of performance is issued under the sole responsibility of the identified manufacturer.											
Signed for and on behalf of the manufacturer by:											
Maspero Francesco, Quality System Manager											
Stabio, 20/06/2013											