

N° 001-A; rev. 20/06/2013

Unique identification of product-type:		Flat products, bars and profiles, hot 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	EN10088-5:09
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:		1.4301	1.4307	1.4305	1.4401	1.4404	1.4571				
Elongation (A) ⁽¹⁾		45	45	35	40	40	40	EN10088-5:09			
Tensile strength (Rm)		500-700	500-700	500-750	500-700	500-700	500-700	EN10088-5:09			
0.2% yield strength ⁽¹⁾		190	175	190	200	200	200	EN10088-5:09			
Impact strength (KV) ⁽¹⁾		100	100	100	100	100	100	EN10088-5:09			
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
⁽¹⁾ Minimum values											
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											