

## STEEL PLATES FROM HOT ROLLED COILS

### Grade: P265GH

Pressure Vessel Steel

Quality **P265GH**

Norm **EN10028-2**

W. Nr. **1.0425**

Rolling state **N – Normalized**

Description Heat-resistance pressure-vessel steel. Good weldability. Good cold and hot-forming properties.

Applications Pressure vessels, boilers, pipes transporting hot liquids and heat exchangers.

Standard coils' stock range

	1500	1700/1800	2000
2	•		
3	•	•	
3,2			
3,5		•	
4	•	•	
5	•		•
6	•	•	•
7		•	•
8	•	•	•
10		•	•
12		•	•
15			•

Dimensions other than the ones listed here can be sourced on agreement.

At times, some of the dimensions listed here might be unavailable: please make sure to get in touch with our sales department for a real-time update about the actual stock availability.

#### Chemical composition According to UNI EN 10028-2

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.	0,02							0,80	
Max			0,20		0,30	0,30	0,08	1,40	0,012

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.									
Max	0,30	0,02	0,025	0,015	0,40		0,03	0,02	

#### Mechanical properties According to UNI EN 10028-2

Nominal Thickness (mm)	≤ 16	> 16
Yield Strenght (MPa)	≥ 265	≥ 255
Nominal Thickness (mm)	< 25	
Tensile Strenght (MPa)	410-530	

Nominal Thickness (mm)	3 < t < 25		
Total Elongation A5%	≥ 22		
Temperature (°C)	-20	0	20
Notch Impact Energy (J)	≥ 40	≥ 34	≥ 27

**Tolerances**

**Dimensional Tolerances**  
 UNI EN 10051

**Surface Status**  
 UNI EN 10163-2

**Equivalences**

W. Nr.	ASTM ASME	England BS	Germany DIN	France AFNOR	Italy UNI
1.0425	A516-60	161 Gr. 400	H II	A 42 CP	FE410-1KW

**Certifications**

- EN10204-3.1
- PED/97/23/EC
- AD2000W1

*DISCLAIMER: while great care has been taken to ensure the accuracy of all information contained in this document, Siderurgica Astico S.p.A. hereby disclaims any and all responsibility or liability that may be asserted or claimed arising from, or claimed to have arisen from, reliance upon the use or the interpretation of this document by any person. This document may be subject to change at any time without warning.*