

SSAB Multisteel  
**OPTIMIZED**  
**FOR YOU**  
**AND VERSATILITY**



**SSAB**

If you want to keep less steel in stock and still meet all your needs, SSAB Multisteel is the steel that keeps you covered.



# SSAB MULTISTEEL ONE STEEL, MANY GRADES



## SSAB Multisteel – optimized for you

- ▶ Superior steel purity
- ▶ Optimized and consistent chemistry
- ▶ Narrow and consistent dimensional tolerances
- ▶ One plate covers many grades
- ▶ 3/4 of EN standard for thickness
- ▶ Trouble free fabrication
- ▶ CE and PED certification available subject to grade
- ▶ Technical support from SSAB



SSAB Multisteel covers a number of European and US standards for structural, shipbuilding and pressure vessel steel plate in the 260 to 355 MPa yield strength range. This versatility gives great opportunities to reduce stock while still having the necessary range of grades available for fast delivery or your own production.



#### **Consistent properties for reliable production**

SSAB Multisteel has a very narrow window for dimensional tolerances, as well as for mechanical properties and chemical composition. The result is reliable workshop performance every time.

Excellent welding performance is ensured by a CEV value that is lower than what is stated in the standards for most grades.

The consistent yield strength and uniform thickness make for predictable and repetitive spring back. Bending radius is 2 x thickness in all directions.

Bending properties are guaranteed to be better than the requirements in the standard.



**Hot rolled plate**



# JUMP-START PRODUCTION

With SSAB Multisteel in stock, it is easy to deliver the required grades and dimensions fast. OEMs and other steel construction companies do not have to wait for special orders to arrive. The right grades and dimensions are already available at short notice.



For steel distributors, stock optimization can be a tricky business. Having too many different steel varieties is not cost-efficient. It ties up unnecessary space as well as capital.

On the other hand, having a stock that is too lean can risk making customers unhappy. When it's time to start production of any steel construction, waiting for the right steel is not a popular alternative.



This is where SSAB Multisteel lives up to its name. Each of the grades cover a wide range of standards that are common when manufacturing general steel structures.



# DIRECT ACCESS TO EXPERTISE AND TECHNICAL SUPPORT

When you purchase SSAB Multisteel, you gain access to SSAB's extensive support resources. You can always contact SSAB via phone or email to ask about everything from design solutions to material choice, workshop recommendations and technical support.



We stand ready to offer optimized products and services that add the kind of value to your business that really matters. Our dedicated Tech Support people provide a strong local presence worldwide. They are happy to be your partner in long-term projects as well as visit your site at short notice for technical assistance.

## **SSAB at your service**

With SSAB, you're just a phone call or email away from great service. Contact us if you would like to attend a technical seminar, or need a trial delivery to test the performance of SSAB Multisteel in your production.



# DELIVERED AS YOU LIKE IT

Each grade of SSAB Multisteel covers a number of different standards, as the table shows. All grades are hot rolled plate and are available with a thickness from 5 to 150 mm depending on grade.



## Many ways to get your steel

Whatever your production and logistic preferences, there's a convenient way to obtain SSAB Multisteel. It can be sourced directly from our mills or from dedicated distributors.

## Logistics services

Your local SSAB contact will answer any questions about ordering and shipping, delivery times and marking.

## SSAB MULTISTEEL – GUARANTEED PROPERTIES FOR OPTIMIZED RESULTS

Standard	Testing	Markings	Properties
<b>SSAB Multisteel SN – Structural normalized</b>			
Matching several structural steels according to EN 10025-2 S355K2+N S355J2+N S355J0+N S355JR+N Thickness range 5-150 mm	1 pc. room temperature tensile test 2 series CH-V (0°C, -20°C)	Die stamping: MULTISTEEL SN S355K2 J2 J0 JR N Ink marking: MULTISTEEL SN	SSAB MULTISTEEL, EN 10029:2010 CLASS A 3/4 thickness tolerances 5.0–20.0 mm CEV MAX 0.41% 20.1–50.0 mm CEV MAX 0.43% 50.1–150.0 mm CEV MAX 0.45%
<b>SSAB Multisteel SNL – Structural normalized low temperature</b>			
Matching several structural steels according to EN 10025-2 and -3 S355NL S355N S355K2+N S355J2+N S355J0+N S355JR+N Thickness range 5 - 150 mm	1 pc. room temperature tensile test 3 series CH-V (0°C, -20°C, - 50°C) and extra 1 series for thickness range 40 mm and over	Die stamping: S355NL S355N MULTISTEEL SN S355K2 J2 J0 JR N Ink marking: MULTISTEEL SNL	SSAB MULTISTEEL, EN 10029:2010 CLASS A 3/4 thickness tolerances 5.0-63.0 mm CEV MAX 0.43% 63.1-150.0 mm CEV MAX 0.45%
<b>SSAB Multisteel HSD and HSE – Hull structural</b>			
Structural steel S355 + at least one shipbuilding steel. Contact your local sales rep for possible combinations. Thickness range 5-150 mm	Society costs * Each CS cost 20 - 30 €/t Has to pay fee to the society – third party payment. Society fees are added to the price  * Society fees are on the price list. Max 4 societies if one is AB – otherwise 3	Certificate Mill sheet only for hull structural (no 3.2) 3.1 for structural	Impact classes ** D for impacts at -20°C certified with S355K2+N E for impacts at -40°C certified with S355K2+N  SSAB MULTISTEEL HS, EN 10029:2010 CLASS B 3/4 thickness tolerances  ** Not possible to mix different impact classes.
<b>SSAB Multisteel PE – Pressure European</b>			
Matching several pressure vessel steels according to EN 10028-3 P355N P355NH P355NL1 P355NL2 Thickness range 5-150 mm	2 pc. tensile tests* 3 series CH-V (-50°C, -40°C, -20°C), if plate as rolled is longer than 15 m > 6 series of CH-V  * Hot tensile test and room temperature tensile test	Die stamping: P355NL1 P355NL2 P355NH P355N MULTISTEEL PE Ink marking: MULTISTEEL PE	SSAB MULTISTEEL, EN 10029:2010 CLASS B 3/4 thickness tolerances 5.0-50.0 mm CEV MAX 0.43% 50.1-150.0 mm CEV MAX 0.46%
<b>SSAB Multisteel PA – Pressure American</b>			
Matching several pressure vessel steels according to ASME SA-516-17/ ASTM A516-10(15) SA516 GR60 MTLTV SA516 GR65 MTLTV SA516 GR70 MTLTV Thickness range 6-90 mm	1 pc. room temperature tensile test 1 series CH-V acc. to TO SA20 TABLE A2.15 516GR70	Die stamping: SA516 GR60 GR65 GR70 MTLTV MULTISTEEL PA Ink marking: MULTISTEEL PA	ASME SA-20, 2017 CEV MAX 0.43%
<b>MULTI SSAB Multisteel PEA – Pressure European American steel</b>			
Matching several pressure vessel steels according to EN 10028-3 and ASME SA- 516-2017 / ASTM A516-10(15) A516-10(15) SA 516 GR 70 MTLTV P355N P355NH, P355NL1, P355NL2 Thickness range 6-50 mm	2 pc. tensile tests* 3 series CH-V (-50°C, - 40°C, -20°C) and 1 series CH-V acc. to SA20 TABLE A2.15 516GR70  * Hot tensile test and room temperature tensile test	Die stamping: P355NL1 P355NL2 P355NH P355N MULTISTEEL PEA Ink marking: MULTISTEEL PEA	SSAB MULTISTEEL, EN 10029:2010 CLASS B 3/4 thickness tolerances 6.0-25.0 mm, NB MAX 0.05%, V MAX 0.10%, CEV MAX 0.44% 25.1-50.0 mm, NB MAX .05%, V MAX 0.10%,CEV MAX 0.47%
<b>SSAB Multisteel PES – Pressure European structural</b>			
Matching several pressure vessel steels according to EN 10028-3 P355N P355NH P355NL2 S355K2+N Thickness range 5-150 mm	2 pc. tensile tests * 3 series CH-V (-50°C, - 20°C), if plate as rolled is longer than 15 m > 6 series of CH-V  * Hot tensile test and room temperature tensile test	Die stamping: P355NL2 P355NH P355N MULTISTEEL PES S355K2 N Ink marking: MULTISTEEL PES	SSAB MULTISTEEL, EN 10029:2010 CLASS B 3/4 thickness tolerances 5.0-50.0 mm CEV MAX 0.43% 50.1-150.0 mm CEV MAX 0.46%

# OPTIMIZE YOUR BUSINESS CONTACT SSAB

 +46 243 729 29

 [techsupport@ssab.com](mailto:techsupport@ssab.com)



SSAB is a Nordic and US-based steel company. SSAB offers value added products and services developed in close cooperation with its customers to create a stronger, lighter and more sustainable world. SSAB has employees in over 50 countries. SSAB has production facilities in Sweden, Finland and the US. SSAB is listed on the Nasdaq OMX Nordic Exchange in Stockholm and has a secondary listing on the Nasdaq OMX in Helsinki.

## **SSAB**

P.O. Box 70  
SE-101 21 Stockholm  
SWEDEN

Visiting address:  
Klarabergsviadukten 70

Telephone: +46 8 45 45 700  
Email: [contact@ssab.com](mailto:contact@ssab.com)

[www.ssab.com](http://www.ssab.com)

**SSAB**