

Seminar on the Sheet Steel Forming Handbook



SSAB
TUNNPLÅT



Size shearing operations and plastic forming

Are you determined to increase your knowledge of working and forming high strength steels? If so, you are warmly welcome to our full-day seminar on the Sheet Steel Forming Handbook.



Valuable knowledge leads to enhanced competitiveness

The Sheet Steel Forming Handbook broadens and deepens the knowledge in the "Fabrication" chapter of the Sheet Steel Handbook, and includes a collection of valuable knowledge of size shearing operations and plastic forming, with emphasis on high strength steels.

You can improve your competitiveness by switching from mild steel to high strength steel. You can make your product stronger, lighter and more environment-friendly, and also less expensive to produce. The better your knowledge of forming and working of high strength steels, the better your opportunities are for putting such steels to the best possible use.



The seminar combines theory with practice

The seminar is aimed at anyone who wants to improve their knowledge of working and forming high strength steels.

The aim of the seminar is to highlight the most important differences between mild steels and high strength steels in size shearing operations and plastic forming. The seminar also serves as an introduction to the Sheet Steel Forming Handbook. You will find out how to use the Handbook so that you will gain maximum benefit from it. Moreover, you will receive many hints on purely practical procedures in the workshop, and what must be borne in mind.

The foremost SSAB Tunnpålar experts on working and forming will be running the seminar. The Sheet Steel Forming Handbook will serve as your seminar documentation.

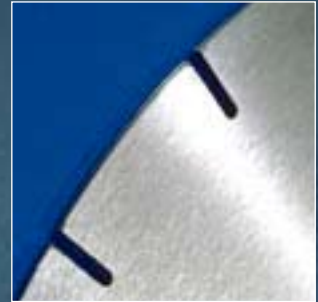


We look forward to seeing you

Use the enclosed reply card to enrol, or get in touch with Kerstin Jansson Persson at Knowledge Service Center by fax on + 46 243 715 73 or by e-mail at kerstin.jansson@ssab.com. The number of seminar places is limited.

Programme

- 08.30 Introduction
- Material properties
- ▶ what is strength?
 - ▶ n-value
 - ▶ anisotropy
- Cutting
- ▶ power shearing
 - ▶ shearing force
 - ▶ punching
 - ▶ tool wear
- Forming
- ▶ bending
 - ▶ deep drawing
 - ▶ stretch forming
 - ▶ strain analysis and FE-simulations
- 12.00 Lunch
- 13.00 Practical exercises in our forming laboratory
- ▶ bending and springback
 - ▶ edge ductility
 - ▶ plotting your own formability limit curve (FLC)
 - ▶ automated strain analysis – ASAME
- 16.30 End of seminar



SSAB Tunnpåt AB is the largest Scandinavian producer of sheet steel and is a leader in Europe in the development of high strength steels.

SSAB Tunnpåt is a member of the SSAB Swedish Steel Group, has a turnover of SEK 15.3 billion and has around 4300 employees in its Swedish plants in Luleå, Borlänge, Finspång and Ronneby. The annual production capacity is more than 2.8 million tonnes.

The environmental policy of SSAB Tunnpåt leads to continual improvements to the efficiencies of processes and environmental plants, and to the development of the environmental properties of the products from the life cycle perspective.

We manufacture the following products in modern, highly efficient lines and rolling mills for strip products:

DOMEX®
Hot-rolled sheet steel

DOCOL®
Cold-rolled sheet steel

DOGAL®
Hot-dip galvanized sheet steel

PRELAQ®
Prepainted sheet steel

We assist our customers in selecting the steels that are best able to improve their competitiveness. Our strength lies in the quality of our products, our reliable deliveries and our flexible technical customer service.

ssabdirect.com



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