

## Top700:

High-strength reinforcing steel  
for special requirements



**SWISS STEEL**

Providing special steel solutions



## Higher strength steel for more flexibility in construction

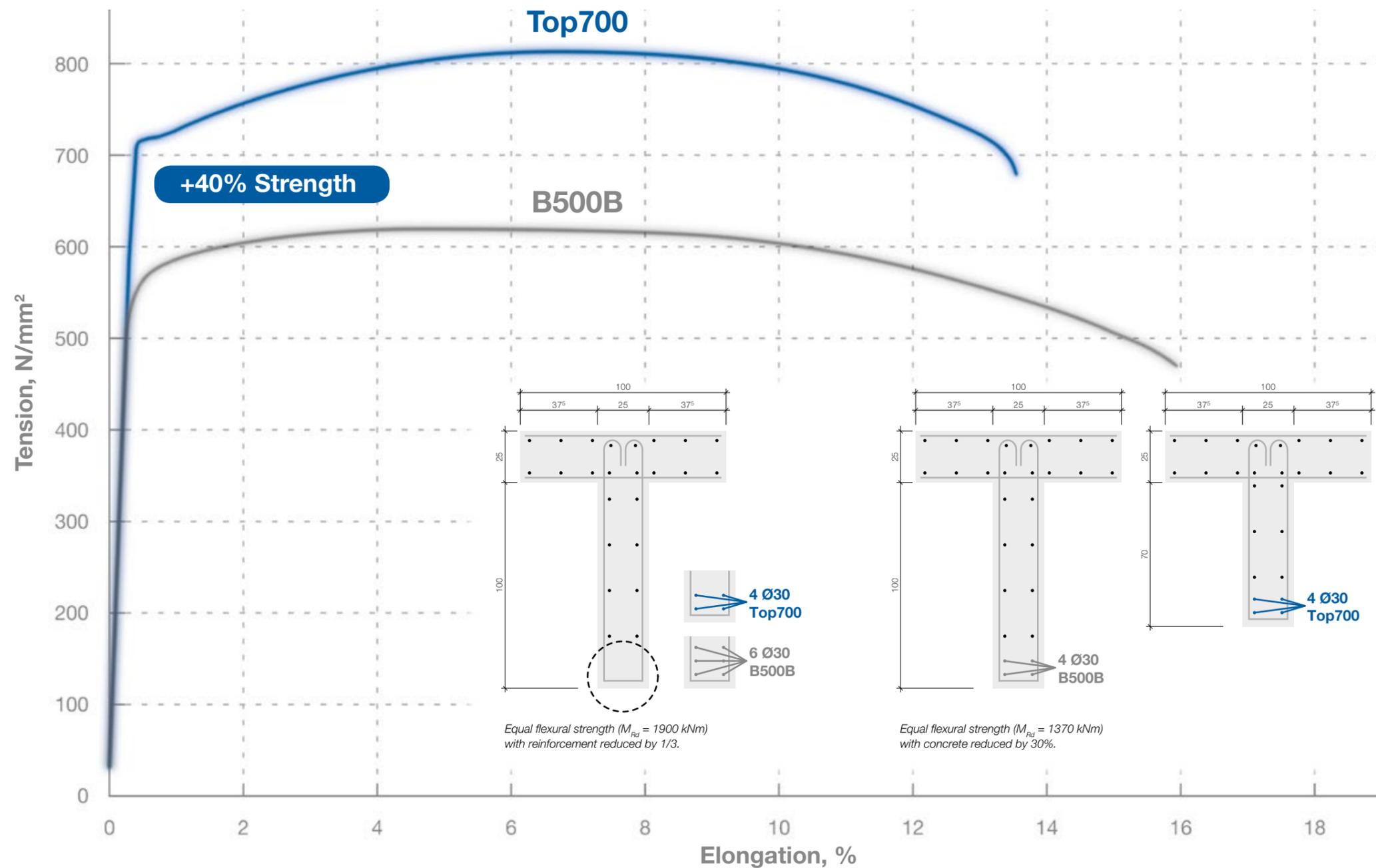
For high-stress pillars or long-span ceilings:  
High-strength Top700 means less steel for reinforcement.

New possibilities of architectural design are opening up: slimmer construction with better use of space and less weight. The workload in prefabrication and on site is reduced because less steel is needed. It is easier to comply with the standard values for maximum rebar content in highly reinforced components. Reinforced concrete construction with Top700 does not require any special properties of the concrete.



Long-span ceiling in a warehouse and high-stress pillars in a gym – Examples of using Top700.

Reinforcing Steel	Yield Point $f_{sk}$	Ratio $(f/f_{sk})$	Elongation at Maximum Force $\epsilon_{uk}$	Ductility Class	Elastic Modulus
B500B	> 500 N/mm <sup>2</sup>	≥ 1.08	≥ 5.0%	B	205 kN/mm <sup>2</sup>
Top700	> 700 N/mm <sup>2</sup>	≥ 1.08	≥ 5.0%	B	205 kN/mm <sup>2</sup>



# Top700: The advantages in a nutshell

- High-strength ductility class B reinforcing steel
- Characteristic yield point value of  $f_{sk}$  700 N/mm<sup>2</sup>, design values of Yield point  $f_{sd}$  of 609 N/mm<sup>2</sup>
- For high-stress components
- Enables slimmer construction, which means more usable space
- Makes it easier to comply with maximum steel content for components
- Reduces the required quantity of steel in kg/m<sup>3</sup>
- Saves time and effort on site or in prefabrication

## Notes for project engineers

You must observe the requirements of SIA Standard 262 for the serviceability limit state design as well as the structural design and, if necessary, make relevant adjustments. This applies for example to sag, anchorage length and deflection. For more information and examples of using high-strength concrete reinforcing steel visit: [www.swiss-steel.com/top700](http://www.swiss-steel.com/top700)

## Registry entry

The reinforcing steel Top700 has been entered in the Registry of Reinforcing Steels Conforming to SIA Standard 262 under Number 3.5. The EMPA has confirmed the weldability of Top700.

## Milling mark

The image shows the milling mark and rolled-on lettering.



## Availability

Top700 reinforcing steel is available in the diameters 26, 30, 34 and 40mm. The 40mm size is available from stock at selected steel merchants; other sizes on request.



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Changes, errors and printing errors  
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