

DECLARATION OF PERFORMANCE

ref. S420MH_20150812

Product type:

Cold formed welded structural hollow section: **EN 10219-1:2006 S420MH**

Intended use:

Structural hollow sections to be used in structural steel components and kits and steel components of composite steel and concrete structures and other steel structures.

Company:

SSAB

SSAB Europe Oy
Harvialantie 420,
FI-13300 Hämeenlinna, FINLAND

Verification of constancy:
System 2+

Notified body:

Inspecta Sertifiointi Oy
PL 113
FI-00181 Helsinki, Finland

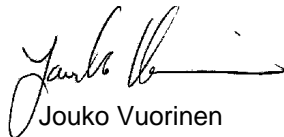
Inspecta Sertifiointi (No 0416) has performed initial inspection of the manufacturing plant and factory product control and continuous surveillance, assessment and evaluation of factory production control and issued factory production control certificates.

Essential characteristics:

	Yield strength Rp0.2 min	Tensile strength Rm T<3 mm	Tensile strength Rm T>=3 mm	Elongation A% min*	Impact strength min J / Temp	Weldability CEV max	Tolerances on dimensions and shape	Durability
S420MH	420	500-660	500-660	19	40 / -40 °C	0.39	EN 10219-2, Clause 6	Suitable for hot dip galvanizing

*For section sizes D/T < 15 (round) and (B+H)/2T < 12,5 (square and rectangular) the minimum elongation is reduced by 2

Hämeenlinna 12.08.2015



Jouko Vuorinen
Head of Hämeenlinna, Lappohja, Pulkkila and Oulainen tube mills
SSAB Europe Oy



0416

SSAB

**SSAB Europe Oy, Harvialantie 420,
13300 Hämeenlinna
07**

ref. S420MH_20150812

EN 10219-1:2006

Cold formed welded structural hollow section:

EN 10219-1:2006

S420MH

Essential characteristics:

Yield strength Rp0.2 min	420
Tensile strength Rm T<3 mm	500-660
Tensile strength Rm T>=3 mm	500-660
Elongation A% min*	19
Impact strength min J / Temp	40 / -40 °C
Weldability CEV max	0.39
Tolerances on dimensions and shape	EN 10219-2, Clause 6
Durability	Suitable for hot dip galvanizing

*For section sizes D/T < 15 (round) and (B+H)/2T < 12,5 (square and rectangular) the minimum elongation is reduced by 2