

SUS XM7-SH (302 HQS) Stainless Steel

Characteristics:

- Excellent cold forming properties
- Good tool life
- Virtually same non-corrosive properties as XM7 (302HQ)

Applications:

- Complex configuration fasteners or parts
- Deep drawn parts

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Technical Information

Chemistry

(% wt)

Grade		C	Si	Mn	P	S	Ni	Cr	Cu	N
XM7-SH	Min.						8.50	17.00	3.00	
	Max.	0.03	1.00	2.00	0.045	0.030	10.50	19.00	4.00	
Typical		0.01	0.44	1.72	0.022	0.000	9.56	17.40	3.22	0.017

Mechanical Properties

Grade	0.2% Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation (%)	Reduction of Area (%)
XM7-SH	≤200	≤530	≥40	≥70
Typical	164	484	48	82