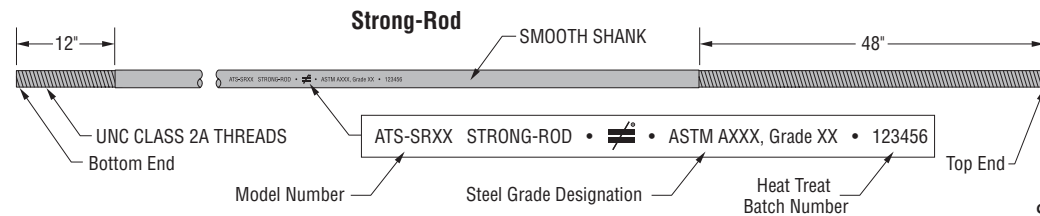


Strong-Rod™ threaded rods are the tension transfer element within the ATS system. Strong-Rods are threaded on both ends, with the top end having 48" of thread to allow for installation flexibility. Information clearly etched on the shank allows easy identification in the field.

The Strong-Rod XL is designed for applications where minimum rod elongation is critical. While the threaded ends are 1 1/8" in diameter, the body of the rod is 1 3/4" to limit rod elongation under load.

Material: Standard (Model SR_) – ASTM A307, Grade A
 High strength (Model SR_H) – ASTM A449 or ASTM A193, Grade B7
 Higher strength (Model SR_H150) – ASTM A434, Class BD or ASTM A354, Class BD

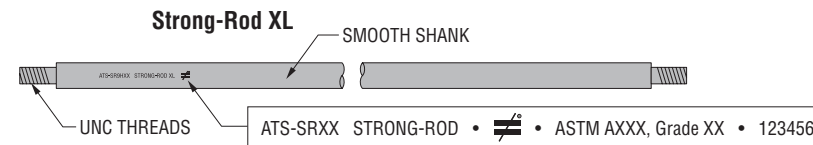
Finish: None



Strong-Rod Technical Data

Model No.	Diameter (in)	Allowable Tensile Capacity			Component Color Code
		AISC 9th Ed.		AISC 13th Ed.	
		(100)	(133)	(100)	
ATS-SR5 ¹	5/8	6,075	8,100	6,340	Blue
ATS-SR7 ¹	7/8	11,905	15,875	12,815	Green
ATS-SR9 ¹	1 1/8	19,680	26,240	21,205	Orange
ATS-SR5H ²	5/8	12,150	16,200	13,570	Blue
ATS-SR7H ²	7/8	23,810	31,745	27,060	Green
ATS-SR9H ²	1 1/8	39,365	52,485	44,730	Orange
ATS-SR9H150 ³	1 1/8	49,205	65,605	55,915	Orange
ATS-SR10H150 ³	1 1/4	60,745	80,995	69,030	Purple

- Standard Simpson Strong-Rod is based on minimum $F_u = 60,000$ psi and $F_y = 43,000$ psi.
- High strength Simpson Strong-Rod is based on minimum $F_u = 120,000$ psi and $F_y = 92,000$ psi.
- H150 Simpson Strong-Rod is based on minimum $F_u = 150,000$ psi and $F_y = 130,000$ psi.
- Refer to page 6 for applicability of 1/3 steel stress increase.
- No increase permitted on AISC 13th Edition values.

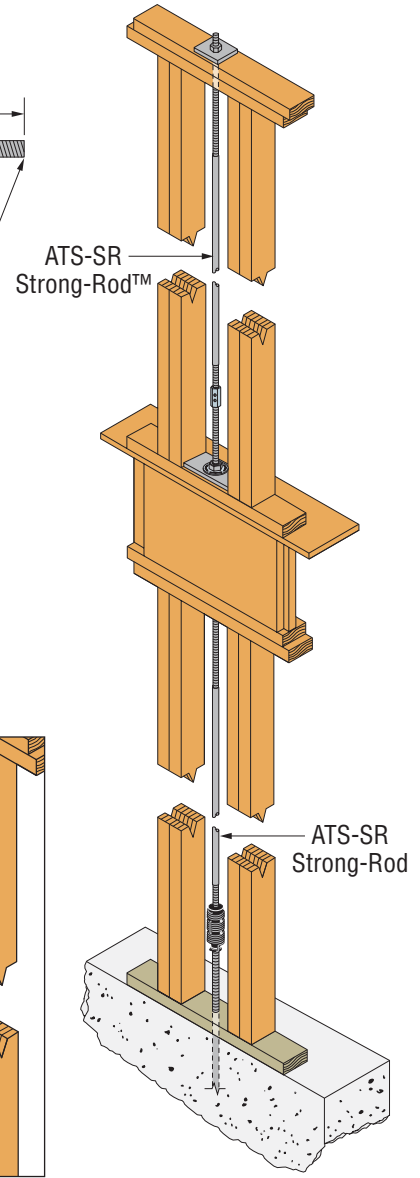
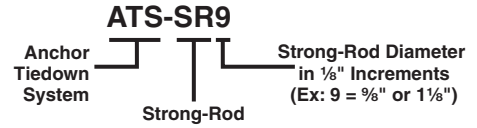


Strong-Rod XL Technical Data

Model No.	Thread Dia. (in)	Rod Dia. (in)	Allowable Tensile Capacity			Component Color Code
			AISC 9th Ed.		AISC 13th Ed.	
			(100)	(133)	(100)	
ATS-SR9H/14 ¹	1 1/8	1 3/4	39,365	52,485	44,730	Orange
ATS-SR9H150/14 ²	1 1/8	1 3/4	49,205	65,605	55,915	Orange

- High strength Simpson Strong-Rod is based on minimum $F_u = 120,000$ psi and $F_y = 92,000$ psi.
- H150 Simpson Strong-Rod is based on minimum $F_u = 150,000$ psi and $F_y = 130,000$ psi.
- Refer to page 6 for applicability of 1/3 steel stress increase.
- No increase permitted on AISC 13th Edition values.

Naming Scheme:



Strong-Rod XL Installation

Strong-Rod Installation

Naming Scheme:

