



## XM designations

XM designations predate the Unified Numbering System (UNS), and have largely been superseded, but still appear in a few specifications, etc. The following are UNS<sup>1</sup> equivalents for the XM\* designations along with "common names" and Allegheny Ludlum and Allvac alloy designations where such exist:

XM#	UNS	Competitor or Common Name	Allegheny Technologies Alloy
XM-1	S20300	203EZ‡	
XM-2	S30345	303MA	
XM-3	S30360	303Pb	
XM-5	S30310	303 Plus X	
XM-6	S41610	416 Plus X	
XM-7	S30430	18-9LW, 304Cu	
XM-8	S43035	Type 439	Type 439
XM-9	S36200		AM 362™
XM-10	S21900	21-6-9	AL 219, AL 40
XM-11	S21904	21-6-9LC	AL 219, AL 40
XM-12	S15500	15-5	AL 15-5, VASCO® 15-5
XM-13	S13800	13-8	ALLVAC® 13-8Mo
XM-14	S21460	Cryogenic Tenelon	
XM-15	S38100	18-18-2	
XM-16	S45500	455	VASCO® 455
XM-17	S21600	Type 216 (obsolete alloy)	
XM-18	S21603	Type 216L (obsolete alloy)	
XM-19	S20910	22-13-5	AL 50, ALLVAC® XM-19
XM-20	S30451	Type 304N	Type 304N
XM-21	S30452	Type 304HN	Type 304HN
XM-22	S31651	Type 316N	Type 316N
XM-25	S45000	450	VASCO® 450
XM-26	S31100	744X	
XM-27	S44627		E-BRITE® Alloy
XM-28	S24100	18-2Mn	
XM-29	S24000	18-3Mn	AL 33
XM-30	S41040	410Cb	
XM-31	S21400	Tenelon	
XM-32	S64152	M152	VASCO® Jethete M152
XM-33	S44626	26-1S	
XM-34	S18200	18-2FM	

In addition to the Allegheny Technologies alloys shown as equivalent, many of these are closely approximated by Allegheny Technologies-produced alloys. For example, Type 303 could be substituted without difficulty for the XM-1, XM-2, XM-3, or XM-5 materials without difficulty.

<sup>1</sup> Metals & Alloys in the Unified Numbering System, 9th Edition, Society of Automotive Engineers, Warrendale, PA, 2001.

\* The XM system was devised because many of these "common names" were closely associated with trade names.

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