



XM designations

INTRODUCTION

XM designations predate the Unified Numbering System (UNS), and have largely been superceded, but still appear in a few specifications, etc. The following are UNS¹ equivalents for the XM* designations along with "common names" and ATI alloy designations where such exist:

XM#	UNS	Competitor or Common Name	Allegheny Technologies Alloy
XM-1	S20300	203EZ	
XM-2	S30345	303MA	ATI 303™
XM-3	S30360	303Pb	ATI 303™
XM-5	S30310	303 Plus X	ATI 303™
XM-6	S41610	416 Plus X	
XM-7	S30430	18-9LW, 304Cu	
XM-8	S43035	Type 439	ATI 439™
XM-9	S36200		AM 362™ (obsolete alloy)
XM-10	S21900	21-6-9	ATI 219™
XM-11	S21904	21-6-9LC	ATI 219™
XM-12	S15500	15-5	ATI 15-5™
XM-13	S13800	13-8	ATI 13-8™, ATI 13-8 SuperTough®
XM-14	S21460	Cryogenic Tenelon	
XM-15	S38100	18-18-2	
XM-16	S45500	455	ATI 455™
XM-17	S21600	Type 216 (obsolete alloy)	
XM-18	S21603	Type 216L (obsolete alloy)	
XM-19	S20910	22-13-5	ATI 50™, ATI XM-19™
XM-20	S30451	Type 304N	
XM-21	S30452	Type 304HN	
XM-22	S31651	Type 316N	
XM-24	S14800	14-8	
XM-25	S45000	450	
XM-26	S31100	744X	
XM-27	S44627		E-BRITE® Alloy
XM-28	S24100	18-2Mn	
XM-29	S24000	18-3Mn	
XM-30	S41040	410Cb	
XM-31	S21400	Tenelon	
XM-32	S64152	M152	ATI Jethete™ 152
XM-33	S44626	26-1S	
XM-34	S18200	18-2FM	

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

¹ Metals & Alloys in the Unified Numbering System, 12th Edition, Society of Automotive Engineers, Warrendale, PA, 15096

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