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Structural bolts

One data sheet per standard, transcribed from the standard itself: dimensions by size and every part number.

The family

Standard	Title	In short	Part numbers
AN173	Bolt, Close Tolerance, Hexagon Head	close tolerance hex bolt, .1900-32 thread	33
AN174	Bolt, Close Tolerance, Hexagon Head	close tolerance hex bolt, .2500-28 thread	61
AN175	Bolt, Close Tolerance, Hexagon Head	close tolerance hex bolt, .3125-24 thread	41
AN176	Bolt, Close Tolerance, Hexagon Head	close tolerance hex bolt, .3750-24 thread	29
AN177	Bolt, Close Tolerance, Hexagon Head (specialty)	close tolerance hex bolt, specialty	6
AN178	Bolt, Close Tolerance, Hexagon Head (specialty)	close tolerance hex bolt, specialty	2
AN23	Bolt, Clevis	clevis bolt, 10-32 thread	46
AN24	Bolt, Clevis	clevis bolt, 1/4-28 thread	46
AN42B	Bolt, Eye	eye bolt	14
AN43B	Bolt, Eye	eye bolt	13
MS20004	Bolt, Internal Wrenching	internal wrenching bolt, 1/4-28 thread	15
MS20005	Bolt, Internal Wrenching	internal wrenching bolt, 5/16-24 thread	14
MS20006	Bolt, Internal Wrenching	internal wrenching bolt, 3/8-24 thread	14
MS20033	Bolt, Machine, Hexagon Head, 1200 °F	hex head machine bolt, 1200 °F, .1900-32 thread	4
MS20034	Bolt, Machine, Hexagon Head, 1200 °F	hex head machine bolt, 1200 °F, .2500-28 thread	4
MS20073	Bolt, Drilled Head, Fine Thread	drilled head bolt, fine thread	16
MS20074	Bolt, Drilled Head, Coarse Thread	drilled head bolt, coarse thread	30
MS20392	Pin, Clevis, Headed	headed clevis pin	76
MS21250	Bolt, External Wrenching, Flanged, 12 Point, 180 ksi	12-point flanged external wrenching bolt, 180 ksi	40
MS9033	Bolt, Machine, 12 Point, Heat Resistant Steel	12-point machine bolt, heat resistant steel, .1900-32	8
MS9432	Bolt, Tee Head, AMS 5735, Chamfered	tee head bolt, chamfered, .1900-32	7
MS9489	Bolt, Machine, Hexagon Head	hex head machine bolt, .1900-32	12
MS9556	Bolt, Machine, Double Hexagon, Extended Washer Head	double hexagon, extended washer head, .1900-32	12
MS9565	Bolt, Machine, Double Hexagon, Drilled Head, Extended Washer Head	double hexagon, drilled head, extended washer head, .1900-32	8
MS9696	Bolt, Machine, Double Hexagon, Corrosion and Heat Resistant Steel, Extended Washer Head	double hexagon, CRES, extended washer head, .1900-32	8
NAS1003	Bolt, Hexagon Head, Machine, A-286 Corrosion Resistant Steel	hex head machine bolt, .1900-32 thread	9
NAS1004	Bolt, Hexagon Head, Machine, A-286 Corrosion Resistant Steel	hex head machine bolt, .2500-28 thread	9
NAS1202	Bolt, 100° Close Tolerance	100° close tolerance, .1640-32 thread	19
NAS1203	Bolt, 100° Close Tolerance	100° close tolerance, .1900-32 thread	19
NAS1204	Bolt, 100° Close Tolerance	100° close tolerance, .2500-28 thread	19

Standard	Title	In short	Part numbers
NAS334	Bolt, 100° Close Tolerance, Phillips Recess	100° close tolerance, Phillips recess, .2500-28 thread	7
NAS428	Bolt, Hexagon Head, Crowned, Adjusting	crowned hex head, adjusting	20
NAS4403	Bolt, 100° Close Tolerance, Tri-Slot Recess	100° close tolerance, tri-slot recess, .1900-32 thread	13
NAS4404	Bolt, 100° Close Tolerance, Tri-Slot Recess	100° close tolerance, tri-slot recess, .2500-28 thread	12
NAS4503	Bolt, 100° Close Tolerance, Tri-Wing Recess, A-286 CRES, Unplated	100° close tolerance, tri-wing recess, unplated, .1900-32 thread	5
NAS4504	Bolt, 100° Close Tolerance, Tri-Wing Recess, A-286 CRES, Unplated	100° close tolerance, tri-wing recess, unplated, .2500-28 thread	4
NAS4703	Bolt, 100° Close Tolerance, Reduced Head, Tri-Wing Recess, Alloy Steel	100° reduced head, tri-wing recess, .1900-32 thread	8
NAS4704	Bolt, 100° Close Tolerance, Reduced Head, Tri-Wing Recess, Alloy Steel	100° reduced head, tri-wing recess, .2500-28 thread	7
NAS5002	Bolt, Pan Head, Close Tolerance, Tri-Wing Recess, Alloy Steel, Short Thread	pan head, tri-wing recess, short thread, .1640-32 thread	5
NAS5003	Bolt, Pan Head, Close Tolerance, Tri-Wing Recess, Alloy Steel, Short Thread	pan head, tri-wing recess, short thread, .1900-32 thread	5
NAS560	Screw, Machine, 100° Flush Head, Non-Magnetic, High Temperature	100° flush head, non-magnetic, high temperature	14
NAS5903	Screw, Tri-Wing, Hex Head, Alloy Steel, Full Thread	hex head, tri-wing recess, full thread	12
NAS6203	Bolt, Close Tolerance	close tolerance bolt, .1900-32 thread	70
NAS6204	Bolt, Close Tolerance	close tolerance bolt, .2500-28 thread	88
NAS6205	Bolt, Close Tolerance	close tolerance bolt, .3125-24 thread	70
NAS6206	Bolt, Close Tolerance	close tolerance bolt, .3750-24 thread	68
NAS624	Bolt, External Wrenching, 12 Point	12-point external wrenching bolt, .2500-28 thread	10
NAS625	Bolt, External Wrenching, 12 Point	12-point external wrenching bolt, .3125-24 thread	10
NAS626	Bolt, External Wrenching, 12 Point	12-point external wrenching bolt, .3750-24 thread	10
NAS6303	Bolt, Hexagon Head, Close Tolerance, A-286 CRES	hex head close tolerance, .1900-32 thread, unplated	8
NAS6304	Bolt, Hexagon Head, Close Tolerance, A-286 CRES	hex head close tolerance, .2500-28 thread, unplated	8
NAS6406	Bolt, Hexagon Head, Close Tolerance, Titanium 6Al-4V, Aluminum Coated	hex head close tolerance, titanium, aluminum coated	1
NAS6408	Bolt, Hexagon Head, Close Tolerance, Titanium 6Al-4V, Aluminum Coated	hex head close tolerance, titanium, aluminum coated	2
NAS6603	Bolt, Close Tolerance	close tolerance bolt, .1900-32 thread	70
NAS6604	Bolt, Close Tolerance	close tolerance bolt, .2500-28 thread	70

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.

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Standard	Title	In short	Part numbers
NAS1297	Bolt, Shoulder, Hexagon Head	hex head shoulder bolt, .1900-32	3
NAS1578	Bolt, Flat Pan Head, Offset Cruciform Recess	flat pan head, offset cruciform recess	22
NAS1580	Bolt, 100° Flush Head, Offset Cruciform Recess	100° flush head, offset cruciform recess	23
NAS1581	Bolt, 100° Flush Reduced Head, Offset Cruciform Recess	100° flush reduced head, offset cruciform recess	29
NAS1993	Bolt, 100° Reduced Head, Torq-Set Recess	100° reduced head, Torq-Set recess (T), .1900-32 thread	8
NAS1994	Bolt, 100° Reduced Head, Torq-Set Recess	100° reduced head, Torq-Set recess (T), .2500-28 thread	8
NAS333	Bolt, 100° Close Tolerance, Phillips Recess	100° close tolerance, Phillips recess, .1900-32 thread	7

Standard	Title	In short	Part numbers
NAS6605	Bolt, Close Tolerance	close tolerance bolt, .3125-24 thread	70
NAS6606	Bolt, Close Tolerance	close tolerance bolt, .3750-24 thread	64
NAS6703	Bolt, Hexagon Head, Close Tolerance, A-286 CRES, Long Thread	hex head close tolerance, long thread, .1900-32	8
NAS7403	Bolt, 100° Close Tolerance, Phillips Recess, Alloy Steel	100° close tolerance, Phillips recess, 10-32	19
NAS7503	Bolt, 100° Close Tolerance, Cruciform Recess, A-286 CRES, Short Thread	100° close tolerance, cruciform recess, short thread, 10-32	6
NAS7703	Bolt, Pan Head, Close Tolerance, Cruciform Recess, Short Thread	pan head close tolerance, cruciform recess, short thread, .1900-32	8
NAS8602	Bolt, 100° Close Tolerance, Reduced Head, Phillips Recess, Alloy Steel, Short Thread	100° reduced head, Phillips recess, short thread, .1640-32 thread	11
NAS8603	Bolt, 100° Close Tolerance, Reduced Head, Phillips Recess, Alloy Steel, Short Thread	100° reduced head, Phillips recess, short thread, .1900-32 thread	11
NAS8702	Bolt, 100° Close Tolerance, Reduced Head, Phillips Recess, A-286 CRES, Short Thread	100° reduced head, Phillips recess, short thread, .1640-32 thread	9
NAS8703	Bolt, 100° Close Tolerance, Reduced Head, Phillips Recess, A-286 CRES, Short Thread	100° reduced head, Phillips recess, short thread, .1900-32 thread	9
NAS8803	Bolt, 100° Close Tolerance, Phillips Recess, Titanium 6Al-4V, Short Thread, Aluminum Coated	100° close tolerance, Phillips recess, titanium, aluminum coated	13

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