



DESIGNATOR	D	ANSI THREAD	T MIN	S MAX	M MAX	R MAX
FRH16a-b	5/8 [16]	5/6-11 [M16x2]	2-1/2 [65]	1-1/16 [27.0]	39/64 [17.1]	3-3/4 [95]
FRH20a-b	3/4 [20]	3/4-10 [M20x2.5]	3 [75]	1-1/4 [34.0]	47/64 [20.7]	4-1/2 [115]
FRH24a-b	1 [24]	1-8 [M24x3]	3-3/8 [85]	1-5/8 [41.0]	63/64 [24.2]	6 [150]
FRH30a-b	1-1/4 [30]	1-1/4-7 [M30x3.5]	3-7/8 [99]	2 [50.0]	1-7/32 [30.7]	9-1/2 [240]
FRH36a-b	1-3/8 [36]	1-3/8-6 [M36x4]	4-1/2 [113]	2-3/16 [60.0]	1-11/32 [36.6]	12 [300]

HOOKED ANCHOR STUD AND NUTS

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SPECIFICATIONS

Anchor studs shall conform to AASHTO M 314 except that threads and nominal diameters shall conform to ANSI B1.1 [ANSI B1.13M] for Class 2A [6g] tolerances. Anchor studs shall conform to one of the following AASHTO M 314 grades:

FRH16a-36a: AASHTO M 314 Grade 36 (58 ksi [400 MPa] minimum tensile strength)
or AASHTO M 314 Grade 55 (75 ksi [517 MPa] minimum tensile strength)
FRH16b-36b: AASHTO M 314 Grade 105 (125 ksi [862 MPa] minimum tensile strength)

Hex nuts shall conform to the requirements of AASHTO M 291 (ASTM A 563) Grade DH [AASHTO M 291M (ASTM A 563M) Class 10S] and shall conform to the geometry of ANSI B18.2.2 [ANSI B18.2.4.6M Style 1] for heavy hex nuts. Threads shall conform to ANSI B1.1 Class 2B [ANSI B1.13M Class 6h].

Zinc-coated anchor studs shall be finished according to either AASHTO M 232 (ASTM A 153/A 153M) for Class C or AASHTO M 298 (ASTM B 695) for Class 50. Nuts shall be zinc-coated according to either AASHTO M 232 (ASTM A 153/A 153M) for Class C or AASHTO M 298 (ASTM B 695) for Class 50.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

INTENDED USE

Anchor studs are used in a variety of systems.

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