ANSI B18.2.3.6M Hex Bolt

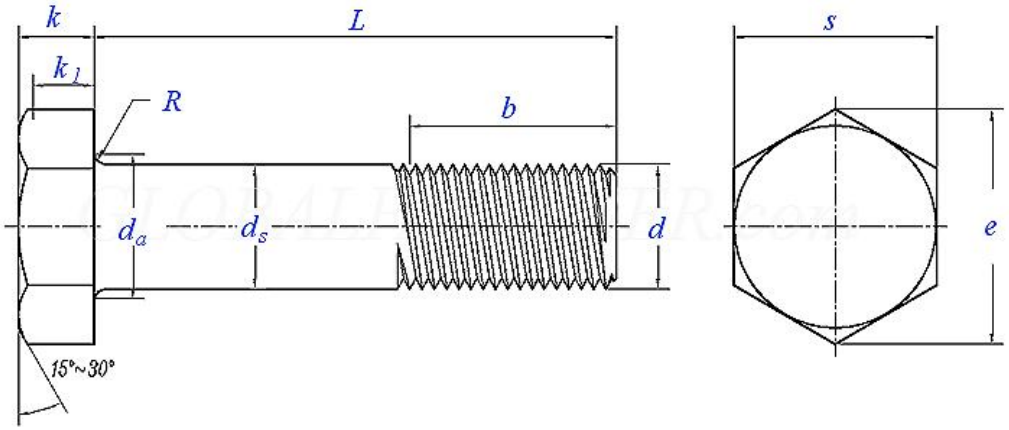
Leader-Fastener is a manufacturer and distributor of **ANSI B18.2.3.6M Hex Bolt.** We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard quality as the life of the company. We persist in good quality as the first policy and have established a set of quality control and inspection system according to the international standard. We have carried out ISO9001 Quality Guarantee System in every course of production, transportation and selling. We do hope we could be your partner in business by topping quality, knight service and competitive price in the near future and be your friends as well.

Product Introduction of ANSI B18.2.3.6M Hex Bolt

This standard covers the complete general and dimensional data for metric heavy hex bolts recognized as“American National Standard." ISO has not yet initiated development of an ISO standard for heavy hex bolts. However，nominal diameters and thread pitches, body diameters, widths across flats，head heights，thread lengths,thread dimensions and nominal lengths are in accord with ISO standards for related hex screws and bolts.

Hexagon bolts are a type of fastener consisting of a head and a screw (a cylinder with an external thread), and a nut is required to fasten two parts with a through hole. They are commonly used in residential and commercial mechanical and construction projects. Full thread size provides excellent grip strength. Some thread sizes help where shear resistance is important. Secure with corresponding nuts or use in threaded holes. A type of fastener consisting of a head and a screw (a cylinder with an external thread), which requires a nut to securely connect two parts with a through hole. Because bolts are also a type of railway accessories, railway accessories are an integral part of railway lines. The track referred to here includes rails, sleepers, connectors, ballast beds, anti-climbing equipment, rail supports and turnouts.As an overall engineering structure, the track is laid on the roadbed, which guides the operation of the train and directly bears the huge pressure and load of the rolling stock. Under the power of train operation, its components must have sufficient strength and stability to ensure the safe, stable and uninterrupted operation of the train at the specified maximum speed.

ANSI B 18.2.3.6M - 1979 (R2006) Metric Heavy Hex Bolts



Thread Size d		M12	M14	M16	M20	M24	M30	M36
P	Pitch	1.75	2	2	2.5	3	3.5	4
d_s	max	12.70	14.70	16.70	20.84	24.84	30.84	37.00
	min	11.30	13.30	15.30	19.16	23.16	29.16	35.00
s	max	21	24	27	34	41	50	60
	min	20.16	23.16	26.16	33	40	49	58.8
k	max	7.95	9.25	10.75	13.40	15.90	19.75	23.55
	min	7.24	8.51	9.68	12.12	14.56	17.92	21.72
b		30	34	38	46	54	66	78
		36	40	44	52	60	72	84
		49	53	57	65	73	85	97
d_a	max	13.7	15.7	17.7	22.4	26.4	33.4	39.4
e	max	24.25	27.71	31.18	39.26	47.34	57.74	69.28
	min	22.78	26.17	29.56	37.29	45.20	55.37	66.44
k_1	min	5.2	6.2	7.0	8.8	10.5	13.1	15.8
R	min	0.6	0.6	0.6	0.8	0.8	1.0	1.0
Length of Thread b		-	-	-	-	-	-	-