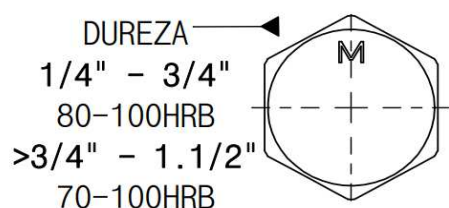
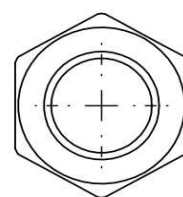


PARAFUSOS

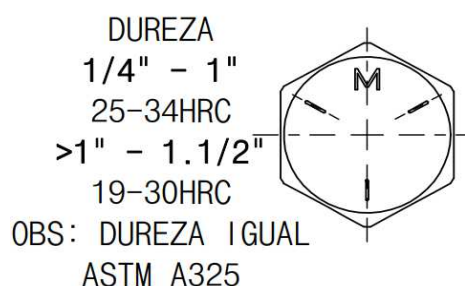
PORCAS



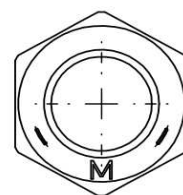
MODELO GR2
LINHA POLEGADA



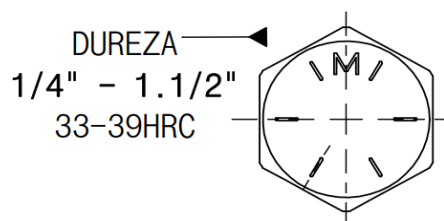
DUREZA
32HRC MÁX



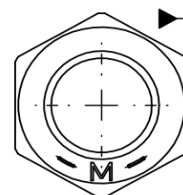
MODELO GR5
LINHA POLEGADA



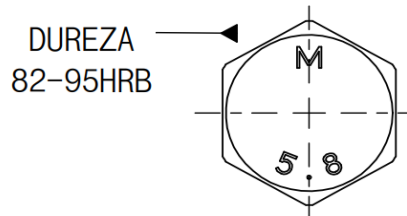
DUREZA
32HRC MÁX



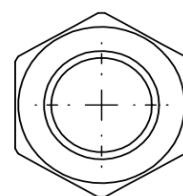
MODELO GR8
LINHA POLEGADA



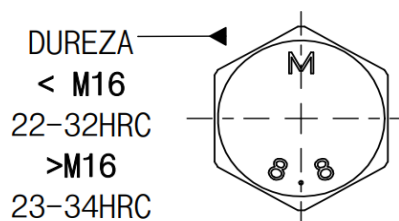
DUREZA
1/4" - 5/8"
24-32HRC
5/8" - 1"
26-34HRC
1" - 1.1/2"
26-36HRC



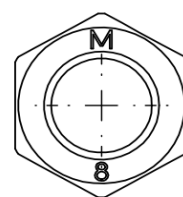
5.8 MODELO CL6
LINHA MÉTRICA



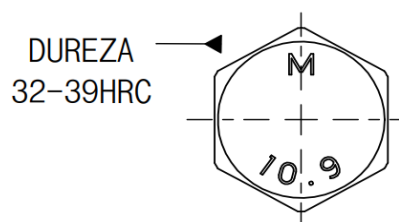
DUREZA
30HRC MÁX



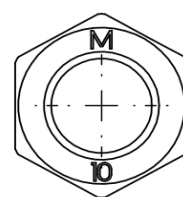
8.8 MODELO CL8
LINHA MÉTRICA



DUREZA
M5 - M16
30HRC MÁX
M16 - M39
36HRC MÁX



10.9 MODELO CL10
LINHA MÉTRICA



DUREZA
26-36HRC



Tabela 1 - Similaridades - Classes e Graus de Resistência

SAE J429	ISO 898-1	ASTM
Grau 1	4.6	A307 Grau A
Grau 2	5.8	A394 Tipo 0
		A307 Grau B
Grau 5	8.8	A 449 - A 394 Tipo 1
		A 325 Tipo 1
Grau 8	10.9	A 354 Grau B - D
		A 490 Tipo 1 e 2
-	12.9	A 574

Cabeça Chave Leve	Cabeça Chave Pesada
A307 Grau A, A449, A354, Grau 1, Grau 2, Grau 5, Grau 8, CL4.6, CL5.8, CL8.8, CL10.9, CL12.9, A394	A325, A307 GrauB, A490

Tabela 2 - Momento Torçores (Torque)

Rosca UNC	Grau de Resistência (N.m)			
	Grau 1	Grau 2	Grau 5	Grau 8
1/4"-20	4,8	7,8	12,1	17,0
5/16"-18	9,4	15,7	23,9	33,8
3/8"-16	16,2	26,9	41,5	58,4
7/16"-14	26,0	42,0	65,0	92,0
1/2"-13	39,0	65,0	101,0	141,0
9/16"-12	56,0	92,0	143,0	201,0
5/8"-11	78,0	128,0	199,0	280,0
3/4"-10	136,0	227,0	350,0	494,0
7/8"-9	218,0	218,0	562,0	793,0
1"-8	327,0	327,0	841,0	1.187,0
1.1/8"-7	464,0	464,0	1.040,0	1.685,0

Para atingir força de aperto igual a 80% da carga de prova.