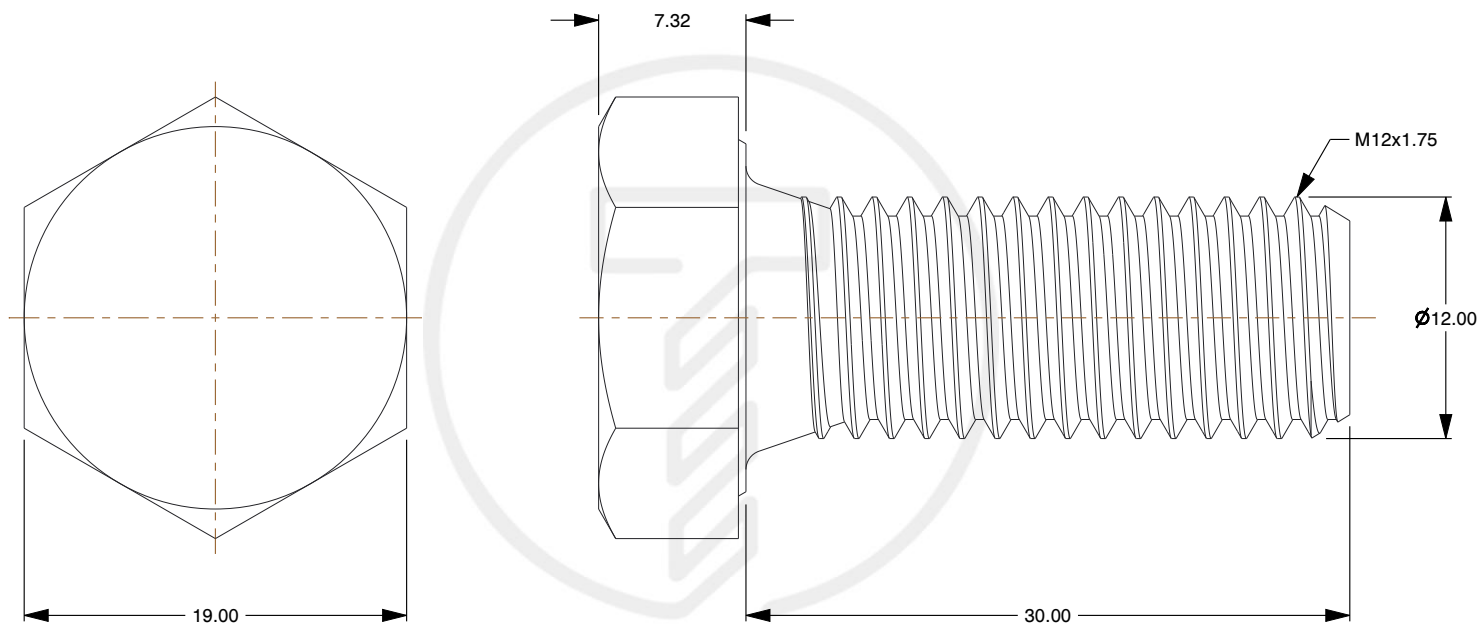
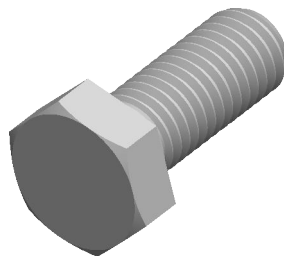
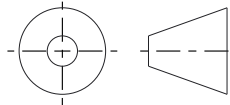




Notes:

1. **Diámetro:** M12
2. **Paso:** 1.75
3. **Longitud:** 30 mm
4. **Diametro de Cabeza:** 19mm
5. **Altura de Cabeza:** 7.32 mm
6. **Llave:** 19 mm
7. **Grado:** 8.8
8. **Acabado:** Negro
9. **Resistencia:** 80,000 PSI
10. **Material:** Acero al Carbón Templado
11. **Standard:** DIN 933/DIN 931
12. **Resistencia a la tracción:** 800 N/mm² mínimo
13. **Límite elástico:** 640 N/mm² mínimo
14. **Dureza Rockwell:** HRC 22 - 32
15. **Alargamiento mínimo:** 12% en 2d
16. **Carbono (C):** 0.25 - 0.55%
17. **Manganeso (Mn):** 0.60 - 1.65%
18. **Fósforo (P):** Menor o igual a 0.05%
19. **Azufre (S):** Menor o igual a 0.05%



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DESCRIPTION Tornillo Hexagonal Metrico CL 8.8 - M12-1.75 x 30		TITLE PERNO HEXAGONAL	
Sheet Size	PART NUMBER	Rev.	ISSUED
A	TMN12X30ES	01	2026-08-31
SCALE: 2.663		Unless otherwise specified Dimensions are in MILÍMETROS	