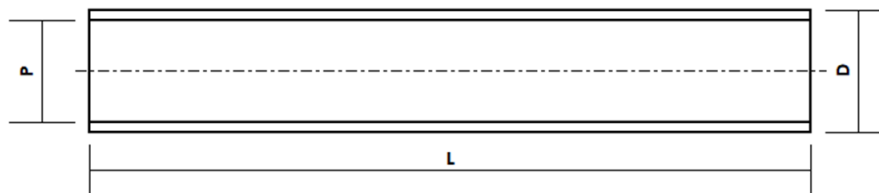


**TECHNICAL DATA SHEET****CHEMICAL ANCHOR STUDS - CAS 5 (Carbon Steel, Grade 5.8)**

We confirm our range of Carbon Steel, Grade 5.8, CAS5 Chemical Anchor Studs have the following characteristics:-

Materials	Grade 5.8 Carbon Steel
Dimensional Characteristics (Length)	DIN976A
Dimensional Characteristics (Diameter & Pitch)	DIN13
Mechanical Properties	ISO 898 Part 1 (BS4190)
Chemical Composition	Please refer to specific batch results
HDG conforms to	ISO 10684:2004 - Minimum plating thickness 40 μ
BZP conforms to	BS EN ISO 4042:2018 - Plating thickness 5 to 8 μ
Each Stud comes with	1 x DIN934 Hex Full Nut & 1 x DIN125A Plain Washer
Vickers Hardness	160 to 220 HV
Tensile Strength	≥ 520 N/mm ²
Yield Strength	≥ 420 N/mm ²



Size	Major Diameter (D) / mm	Pitch Diameter (P) / mm	Length (L) / mm
M8 x 110mm	7.760 to 7.972	7.042 to 7.160	109.30 to 110.70
M10 x 130mm	9.732 to 9.968	8.862 to 8.994	129.20 to 130.80
M12 x 160mm	11.701 to 11.966	10.679 to 10.929	159.20 to 160.80
M16 x 190mm	15.682 to 15.962	14.503 to 14.663	189.08 to 190.93
M20 x 260mm	19.623 to 19.958	18.164 to 18.334	258.95 to 261.05
M24 x 300mm	23.577 to 23.952	21.803 to 22.003	298.95 to 301.05

This data sheet is valid until there is a significant change in the product and its characteristics.

Signed by:

Position: Commercial Manager

Name: Andy Bridge

Date: 22 February 2022