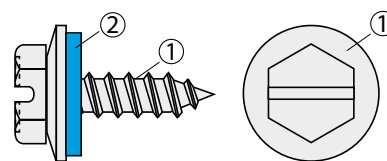


SLOTTED HEX-HEAD SELF-TAPPING SCREW



TECHNICAL DATA

	VALUES	REMARKS
Material	(1) DUPLEX - Stainless Steel (austenite/ferrite) (2) HNBR, Hydrogenated NBR	AISI 318LN / 1.4462 ASTM A182 F51
Description	Hex-Head-Self-Tapping-Screw with slot and assembled sealing (2) DUPLEX/HNBR boned washer	ISO 1479/ DIN 7976
Chemical Composition	(1) DUPLEX - Stainless Steel (austenite/ferrite) Chromium (Cr) 21.00 - 23.00 Nickel (Ni) 4.50 - 6.50 Molybdenum (Mo) 2.50 - 3.50 Manganese (Mn) 0.00 - 2.00 Silicon (Si) 0.00 - 1.00 Nitrogen (N) 0.10 - 0.22 Carbon (C) 0.00 - 0.03 Phosphorous (P) 0.00 - 0.03 Sulphur (S) 0.00 - 0.02 Iron (Fe) Balance	EN 10088-2:2014 1.4462
Temperature Range	(1) DUPLEX - Stainless Steel (austenite/ferrite) till +300°C (+572° F) till -50°C (-58° F) (2) HNBR - Hydrogenated NBR till +150°C (+302° F) till -30°C (-22° F) till +160°C (+320° F) (short term)	
PREN (Pitting Resistance Equivalent Number)	36 (Typical Value) SALTWATER RESISTANCE Alloyed stainless steel with a value beyond PREN 33 is considered to be seawater resistant.	ASTM G48 1 x %Cr + 3,3 x %Mo + 16 x %N
CPT Method E	(1) DUPLEX - Stainless Steel (austenite/ferrite) +40°C (104° F)	ASTM G48
CCT Method F	+20°C (68° F)	ASTM G48
CPT	+52°C ± 3° C (125.6° F/ 120.2° F till 13° F) CPT (ASTM G150) = Corrosion Pitting Temperature CCT (ASTM G48 Method E/F) = Critical Crevice Corrsion Temperature	ASTM G150
Tensile Strength	# 8 (Ø 4.2/4.3 mm) = lbf 1640 (7.3 kn) # 10 (Ø 4.8/4.9 mm)= lbf 2090 (9.3 kn)	Typical Values
Shearing Strength	# 8 (Ø 4.2/4.3 mm) = lbf 1080 (4.8 kn) # 10 (Ø 4.8/4.9 mm)= lbf 1325 (5.9 kn)	Typical Values
Magnetic (Magnetism)	existing	
Saltwater	(1) resistant (2) resistant	