

	Inspection Certificate EN 10204 3.1		Customer/ Cliente		Order N° of	
	Cert. N°	034/SB2023	Date	12/09/2023		DDT N°

Description of parts | Descrizione dei particolari

Item n°	Description	Dimension	Class	Quantity	Batch n°	Marking
A	Kit Assembly	M20x50 HDG	8.8	2.625	3032611033/34MV	MARVIT-M-8.8SB-CE-A
1	Screw	ISO 4017 M20x50	8.8	2.625	3032611033	MARVIT-M-8.8SB-CE-A
2	Nut	ISO 4032 M20	8	2.625	3032611034	M-8ZSB-CE-A

Material analysis % | Analisi chimica materiale %

Item n°	Charge	C	Si	Mn	P	S	Cr	Mo	Al	B	Ti
1	D32303134XX	0,35	0,22	0,76	0,017	0,009	-	-	-	-	-
2	9B03417	0,35	0,2	0.72	0.02	0.005	-	-	-	-	-

Mechanical and physical characteristics | Caratteristiche fisiche e meccaniche ISO 898-1, ISO 898-2

Item N°	Tensile strenght by wedge loading test Mpa		Ultimate tensile load KN	Proof load	Decarb. test	Impact test Kv -20°C	Hardness test Hv		Hardness Test HRC	
1	Min 830	-	≥ 203	OK/NoOK	Max 0,015	Min 27 J	Min 255	Max 335	Min 23	Max 34
	946 - 954		203	OK	OK	36,9 - 38,7	290	299	27	30

Item N°	Proof load test (KN)	Hardness test Hv	
2	OK/NoOK	Min 233	Max 334
	OK	289	298

Functional characteristics of the assembly | Caratteristiche funzionali del Kit EN 15048-1:2007

Item N°	TENSILE RESISTANCE OF BOLT/NUT ASSEMBLY (KN)	
A	REQUIRED (Minimum)	ACTUAL RESULTS (Min - Max)
	203	230,7 – 234,8

Coating | Rivestimento ISO 10684 - ISO 4042

Reference Standard (ISO 10684)		Visual aspect	Coating thickness min 50 (µm)		Mechanical Cleaning		Result conformity
Item N°	N° of tested parts		Min	Max	Yes	No	
1	8	No cracks/burrs	55,5	59,1		X	CONFORM
2	8	No cracks/burrs	54,7	58,1		X	CONFORM
3	-						

CE Certified Material

Validation | Validazione documento

Operator Operatore	Date Data	Sign Firma	Head of laboratory responsabile di Laboratorio	Date Data	Sign Firma
Luciana Saggin	12/09/2023		Luciana Saggin	12/09/2023	