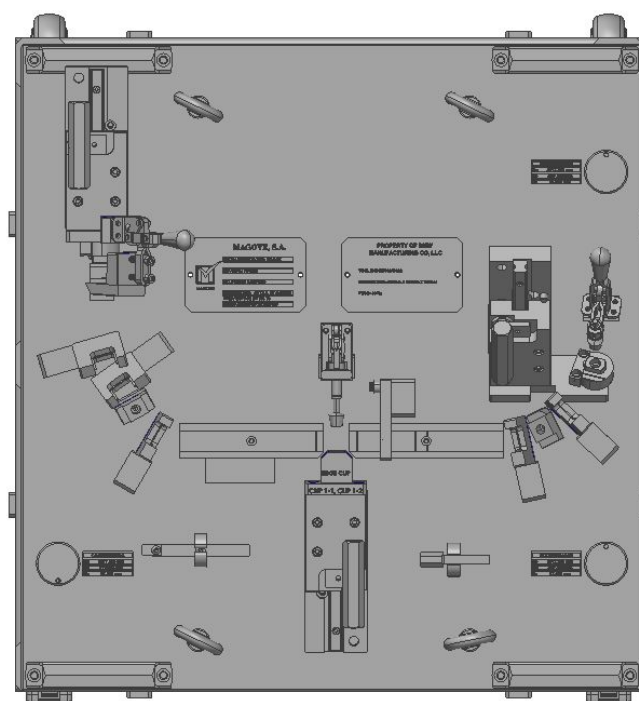


MEASUREMENT REPORT

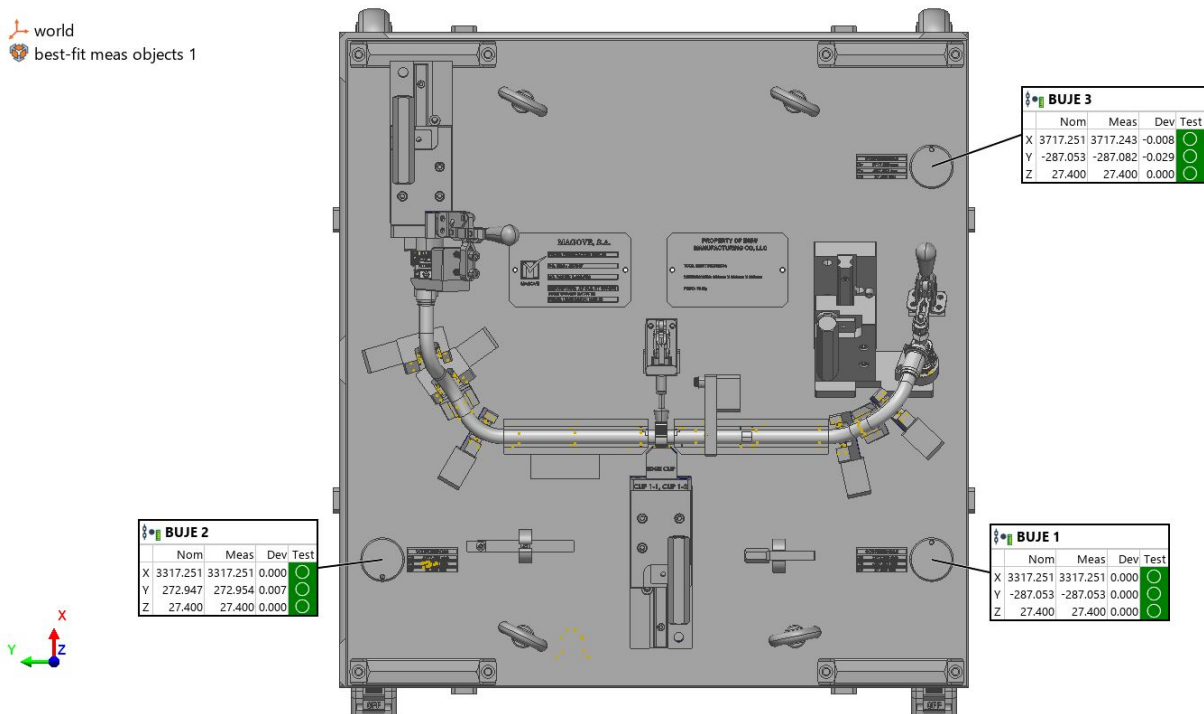
as objects 1



Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx
Workspace: PROGRAMA DE MEDICION AVX
Project: AVX087_5 A69 FD9 - piece 1

Part name: AVX087
Part number: 5 A69 FD9
Drawing : S/R
Device: MESS-BRAA-005

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Feature Table

Length Units Millimeters

• BUJE 1

Control	Nom	Meas	Tol	Dev	Test
X	3317.251	3317.251	±0.100	0.000	Pass
Y	-287.053	-287.053	±0.100	0.000	Pass
Z	27.400	27.400	±0.100	0.000	Pass

• BUJE 2

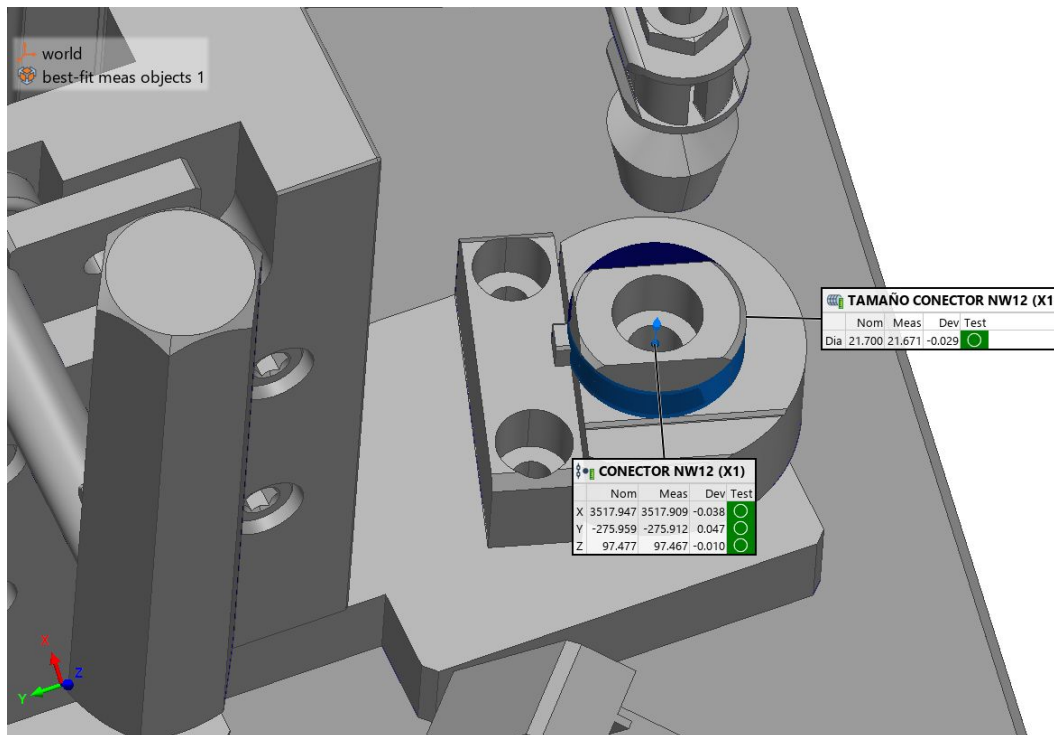
Control	Nom	Meas	Tol	Dev	Test
X	3317.251	3317.251	±0.100	0.000	Pass
Y	272.947	272.954	±0.100	0.007	Pass
Z	27.400	27.400	±0.100	0.000	Pass

• BUJE 3

Control	Nom	Meas	Tol	Dev	Test
X	3717.251	3717.243	±0.100	-0.008	Pass
Y	-287.053	-287.082	±0.100	-0.029	Pass
Z	27.400	27.400	±0.100	0.000	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

TAMAÑO CONECTOR NW12 (X1)

Control	Nom	Meas	Tol	Dev	Test
Diameter	21.700	21.671	0.000/-0.050	-0.029	Pass

• CONECTOR NW12 (X1)

Control	Nom	Meas	Tol	Dev	Test
X	3517.947	3517.909	±0.100	-0.038	Pass
Y	-275.959	-275.912	±0.100	0.047	Pass
Z	97.477	97.467	±0.100	-0.010	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

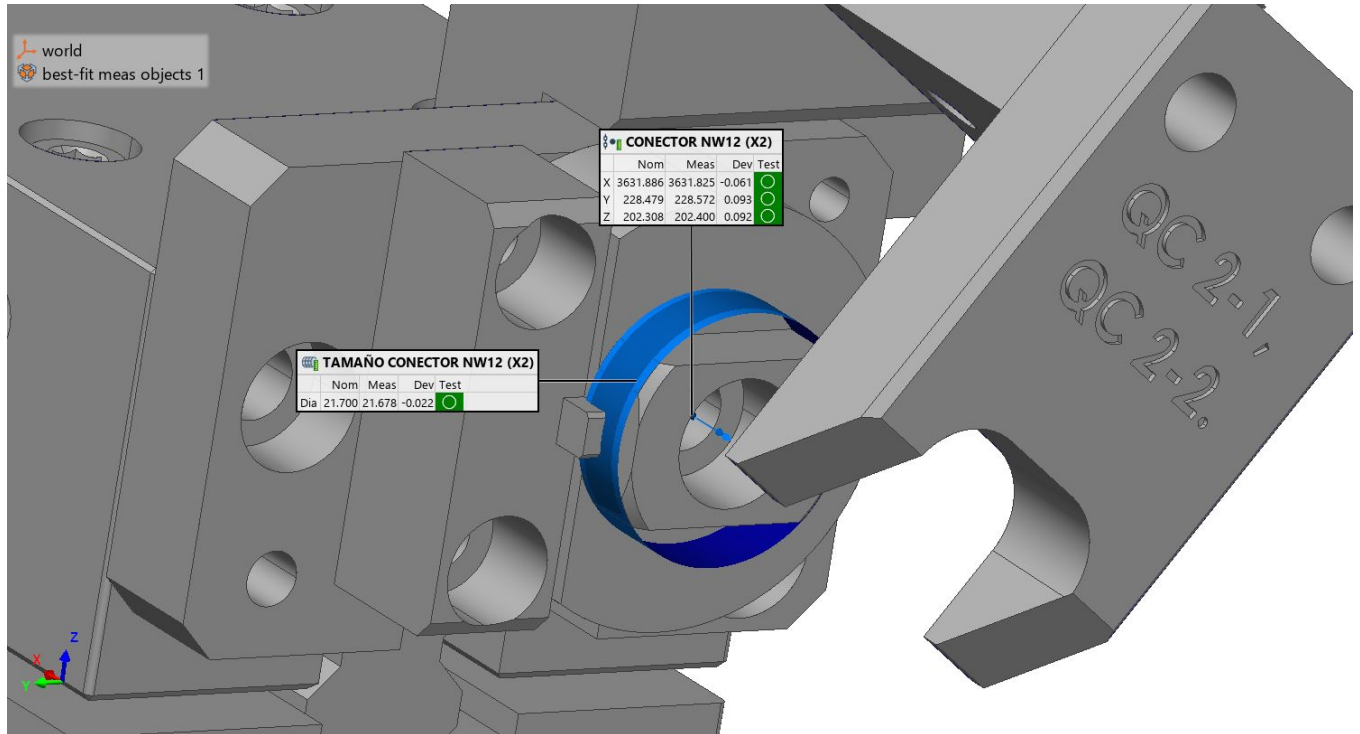
Length Units Millimeters

TAMAÑO ANTIGIRO NW12 (X1) Feature: plane 6, Ref Feature: plane 5					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	3.900	3.868	0.000/-0.050	-0.032	Pass

POSICION ANTIGIRO NW12 (X1) Feature: plane 9, Ref Feature: plane 10					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.065	±0.100	0.065	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

• TAMAÑO CONECTOR NW12 (X2)

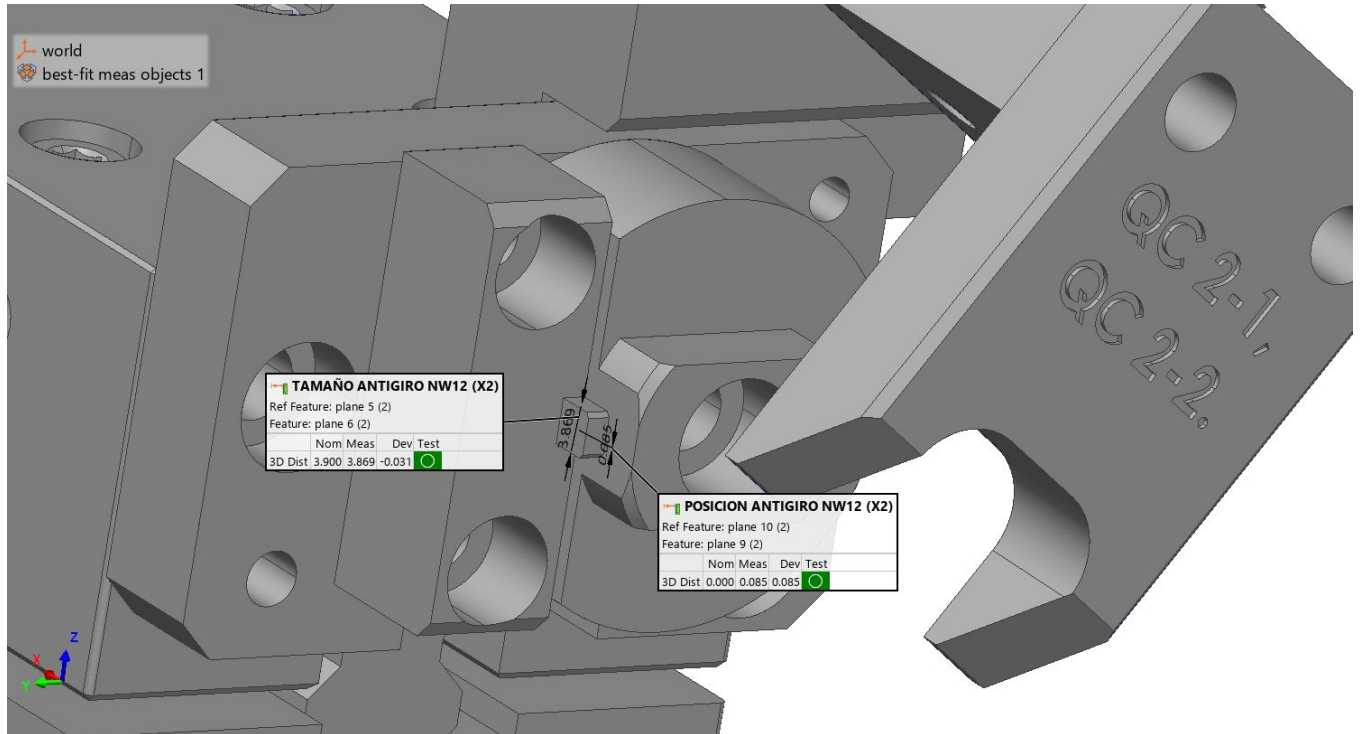
Control	Nom	Meas	Tol	Dev	Test
Diameter	21.700	21.678	0.000/-0.050	-0.022	Pass

• CONECTOR NW12 (X2)

Control	Nom	Meas	Tol	Dev	Test
X	3631.886	3631.825	±0.100	-0.061	Pass
Y	228.479	228.572	±0.100	0.093	Pass
Z	202.308	202.400	±0.100	0.092	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

TAMAÑO ANTIGIRO NW12 (X2) Feature: plane 6 (2), Ref Feature: plane 5 (2)					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	3.900	3.869	0.000/-0.050	-0.031	Pass
POSICION ANTIGIRO NW12 (X2) Feature: plane 9 (2), Ref Feature: plane 10 (2)					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.085	±0.100	0.085	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. EDGE CLIP Feature: plane 12 (2), Ref Feature: plane 12

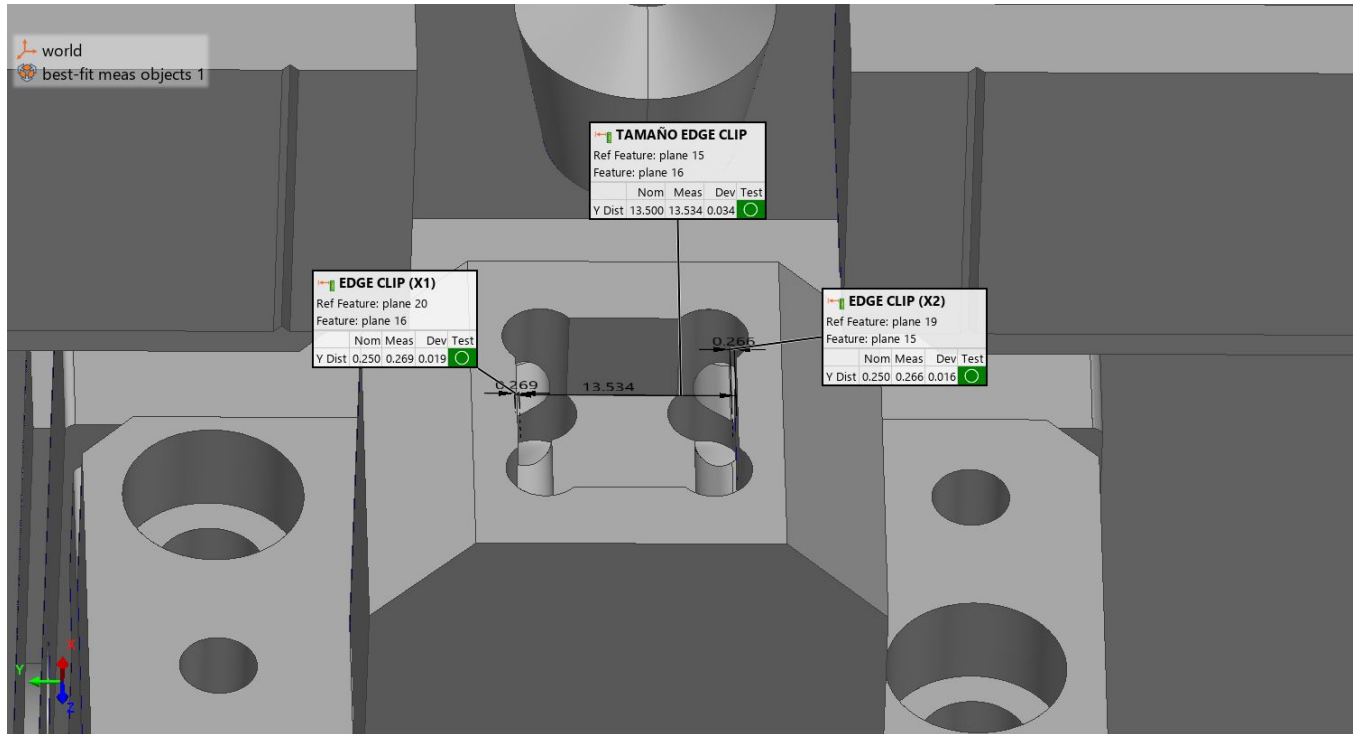
Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.024	±0.100	0.024	Pass

2. EDGE CLIP Feature: plane 18, Ref Feature: plane 11

Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.004	±0.100	0.004	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

TAMAÑO EDGE CLIP

Feature: plane 16, Ref Feature: plane 15

Control	Nom	Meas	Tol	Dev	Test
Y Distance	13.500	13.534	±0.050	0.034	Pass

EDGE CLIP (X1)

Feature: plane 16, Ref Feature: plane 20

Control	Nom	Meas	Tol	Dev	Test
Y Distance	0.250	0.269	±0.100	0.019	Pass

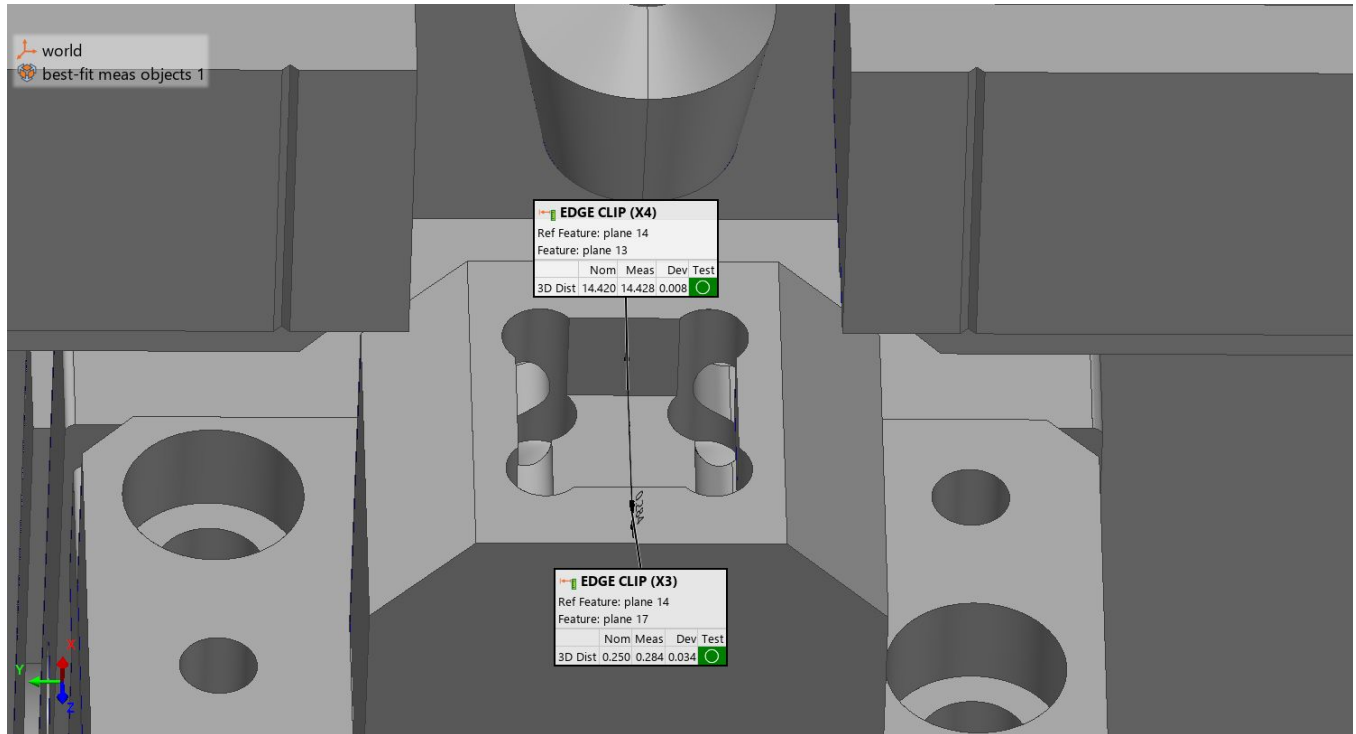
EDGE CLIP (X2)

Feature: plane 15, Ref Feature: plane 19

Control	Nom	Meas	Tol	Dev	Test
Y Distance	0.250	0.266	±0.100	0.016	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

EDGE CLIP (X3) Feature: plane 17, Ref Feature: plane 14

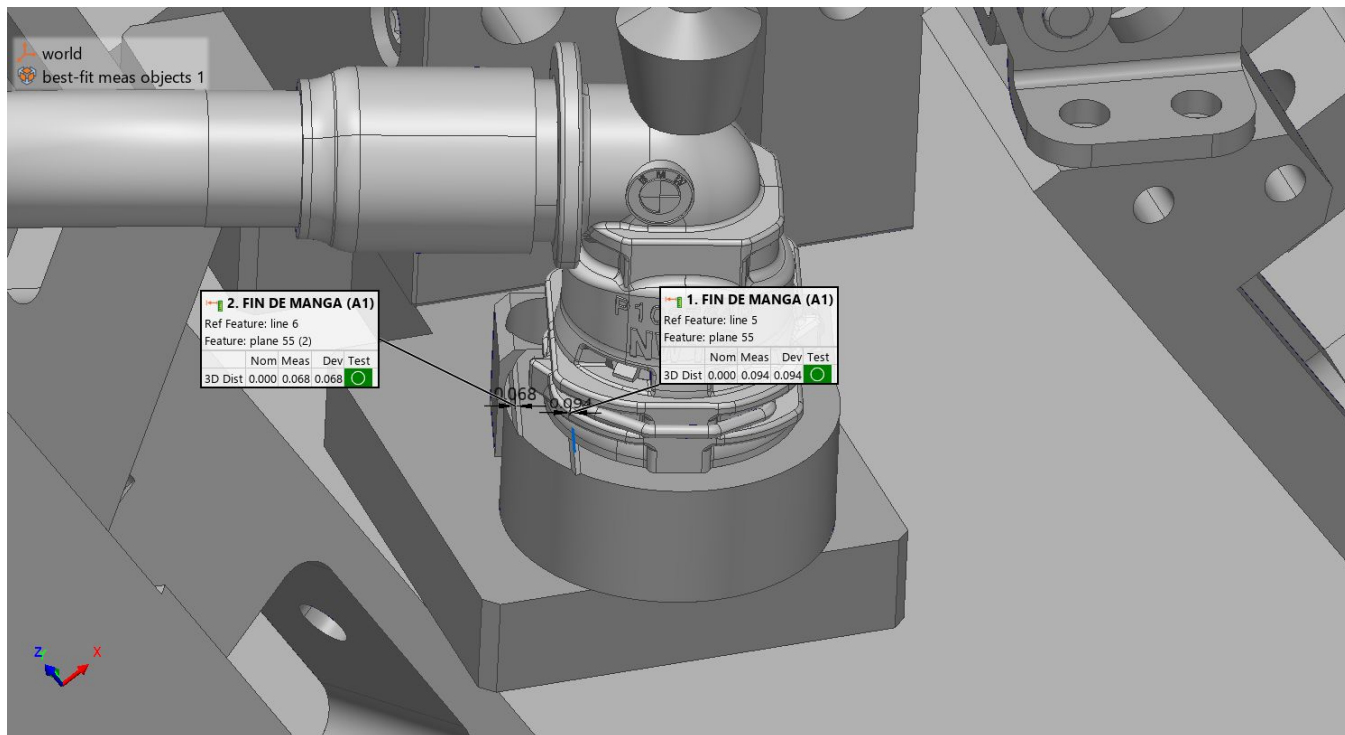
Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.250	0.284	±0.050	0.034	Pass

EDGE CLIP (X4) Feature: plane 13, Ref Feature: plane 14

Control	Nom	Meas	Tol	Dev	Test
3D Distance	14.420	14.428	±0.050	0.008	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. FIN DE MANGA (A1) Feature: plane 55, Ref Feature: line 5

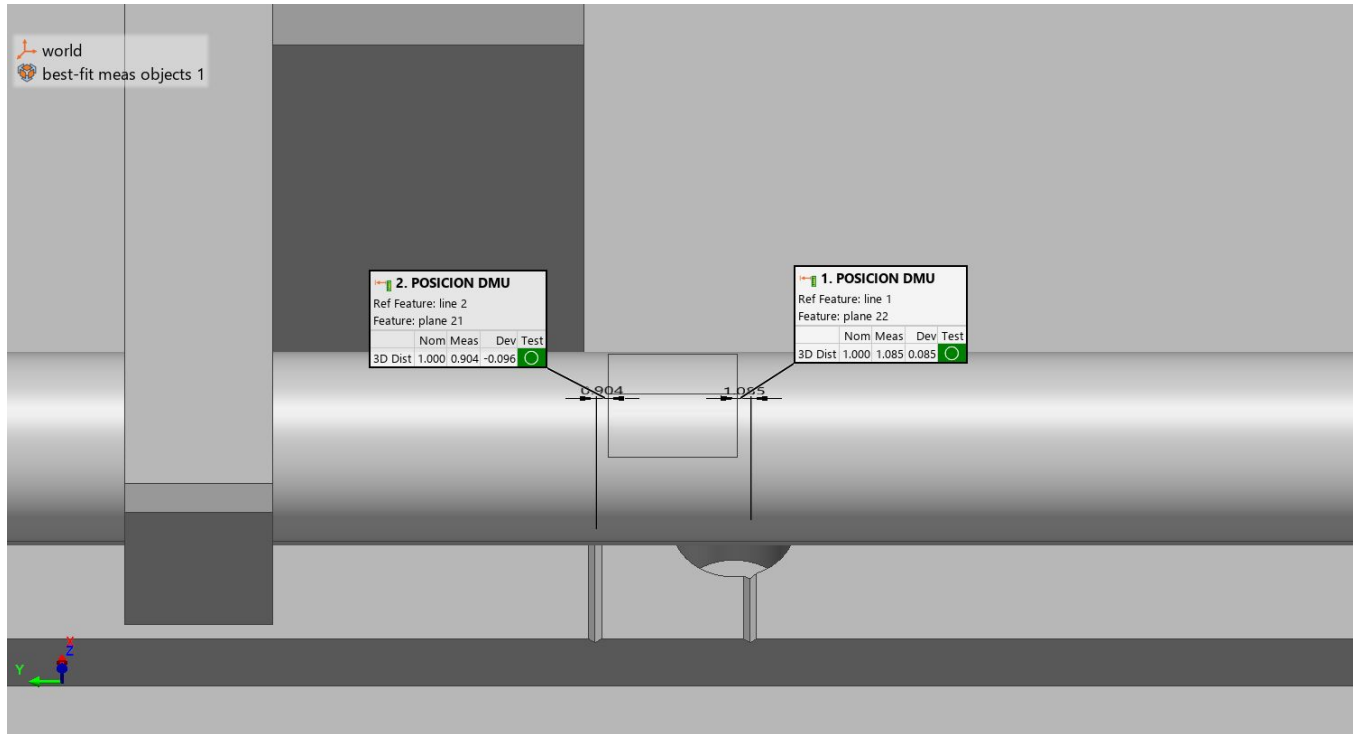
Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.094	±0.200	0.094	Pass

2. FIN DE MANGA (A1) Feature: plane 55 (2), Ref Feature: line 6

Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.068	±0.200	0.068	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

1. POSICION DMU

Feature: plane 22, Ref Feature: line 1

Control	Nom	Meas	Tol	Dev	Test
3D Distance	1.000	1.085	±0.200	0.085	Pass

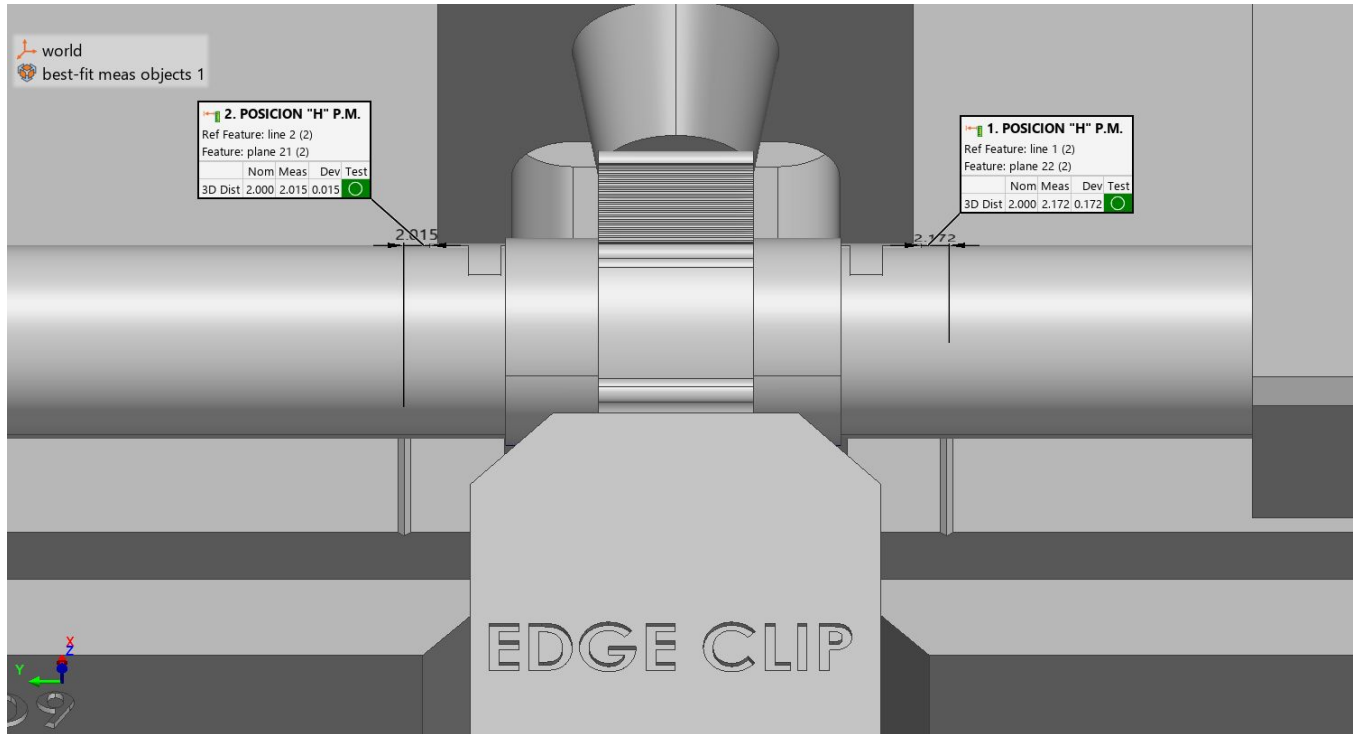
2. POSICION DMU

Feature: plane 21, Ref Feature: line 2

Control	Nom	Meas	Tol	Dev	Test
3D Distance	1.000	0.904	±0.200	-0.096	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. POSICION "H" P.M. Feature: plane 22 (2), Ref Feature: line 1 (2)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	2.000	2.172	±0.200	0.172	Pass

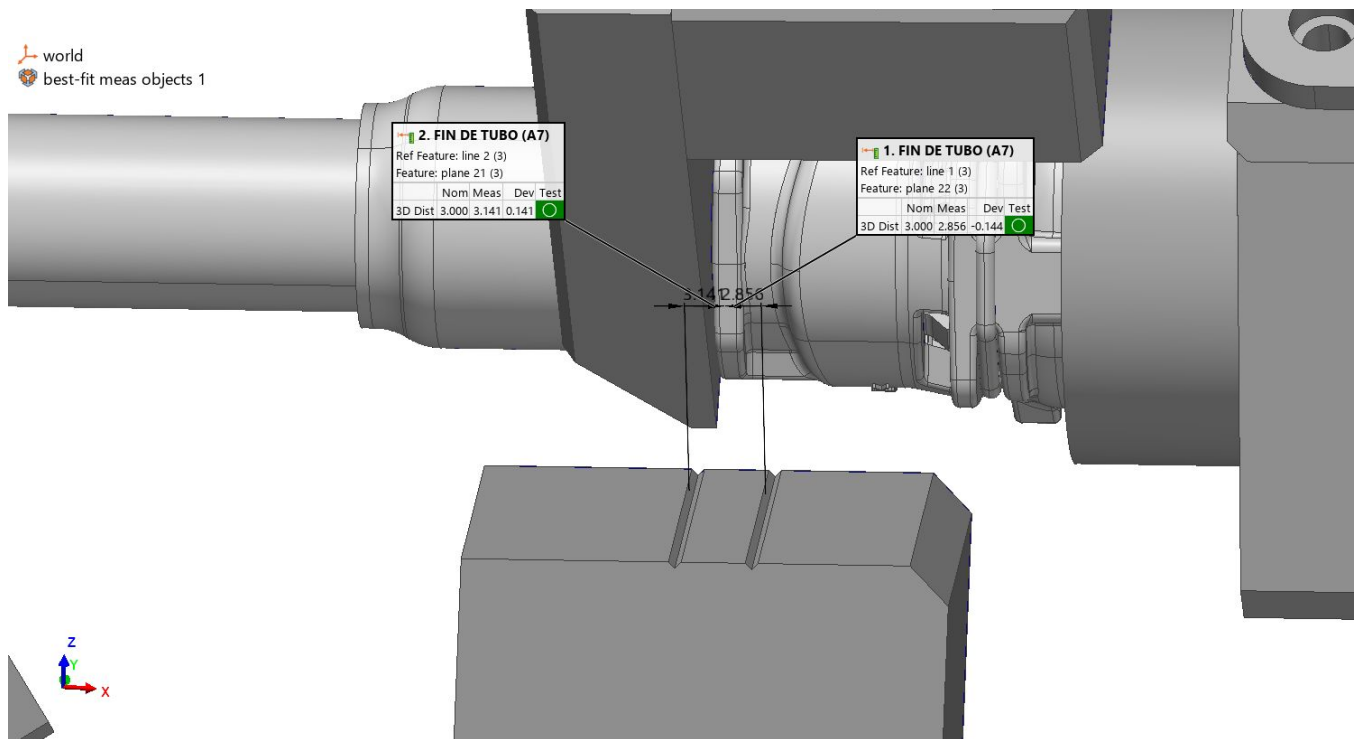
2. POSICION "H" P.M. Feature: plane 21 (2), Ref Feature: line 2 (2)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	2.000	2.015	±0.200	0.015	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1

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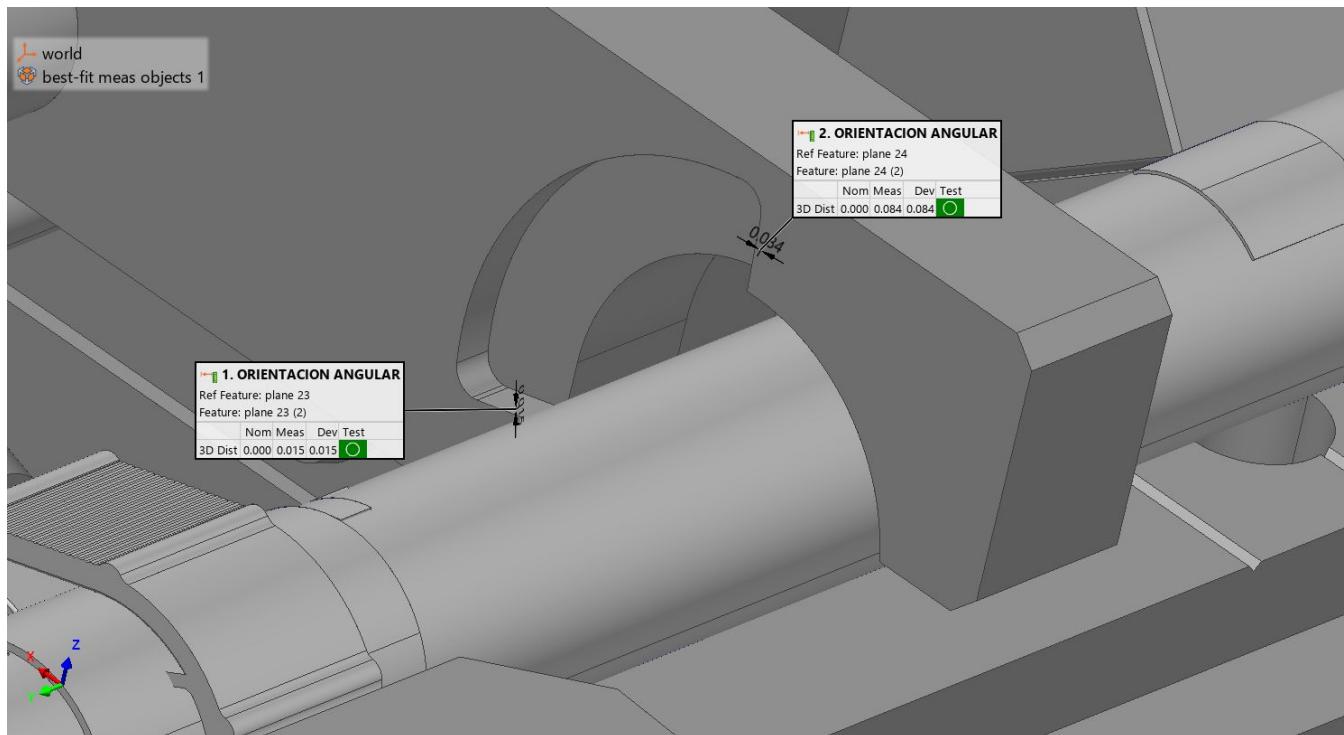
Feature Table

Length Units Millimeters

1. FIN DE TUBO (A7)						Feature: plane 22 (3), Ref Feature: line 1 (3)
Control	Nom	Meas	Tol	Dev	Test	
3D Distance	3.000	2.856	±0.200	-0.144	Pass	
2. FIN DE TUBO (A7)						Feature: plane 21 (3), Ref Feature: line 2 (3)
Control	Nom	Meas	Tol	Dev	Test	
3D Distance	3.000	3.141	±0.200	0.141	Pass	

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

1. ORIENTACION ANGULAR Feature: plane 23 (2), Ref Feature: plane 23

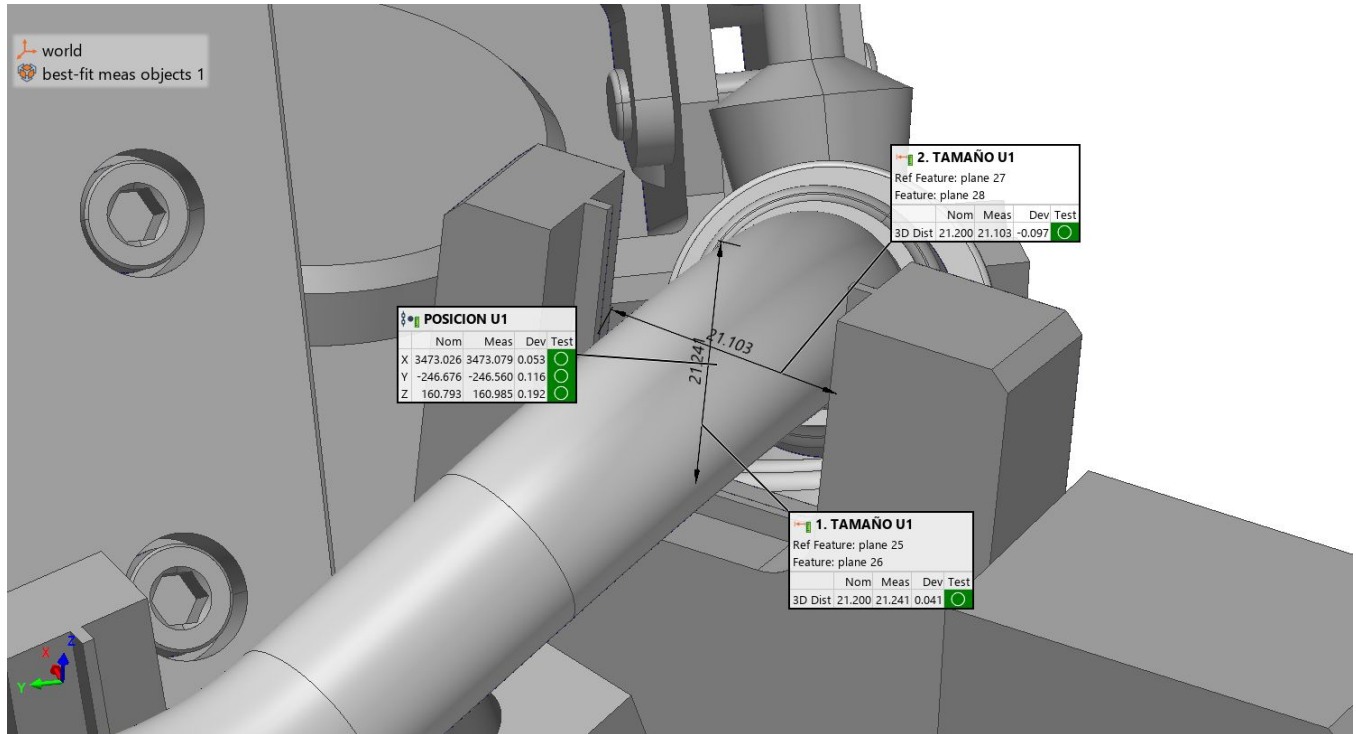
Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.015	±0.200	0.015	Pass

2. ORIENTACION ANGULAR Feature: plane 24 (2), Ref Feature: plane 24

Control	Nom	Meas	Tol	Dev	Test
3D Distance	0.000	0.084	±0.200	0.084	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. TAMAÑO U1

Feature: plane 26, Ref Feature: plane 25

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.241	±0.100	0.041	Pass

2. TAMAÑO U1

Feature: plane 28, Ref Feature: plane 27

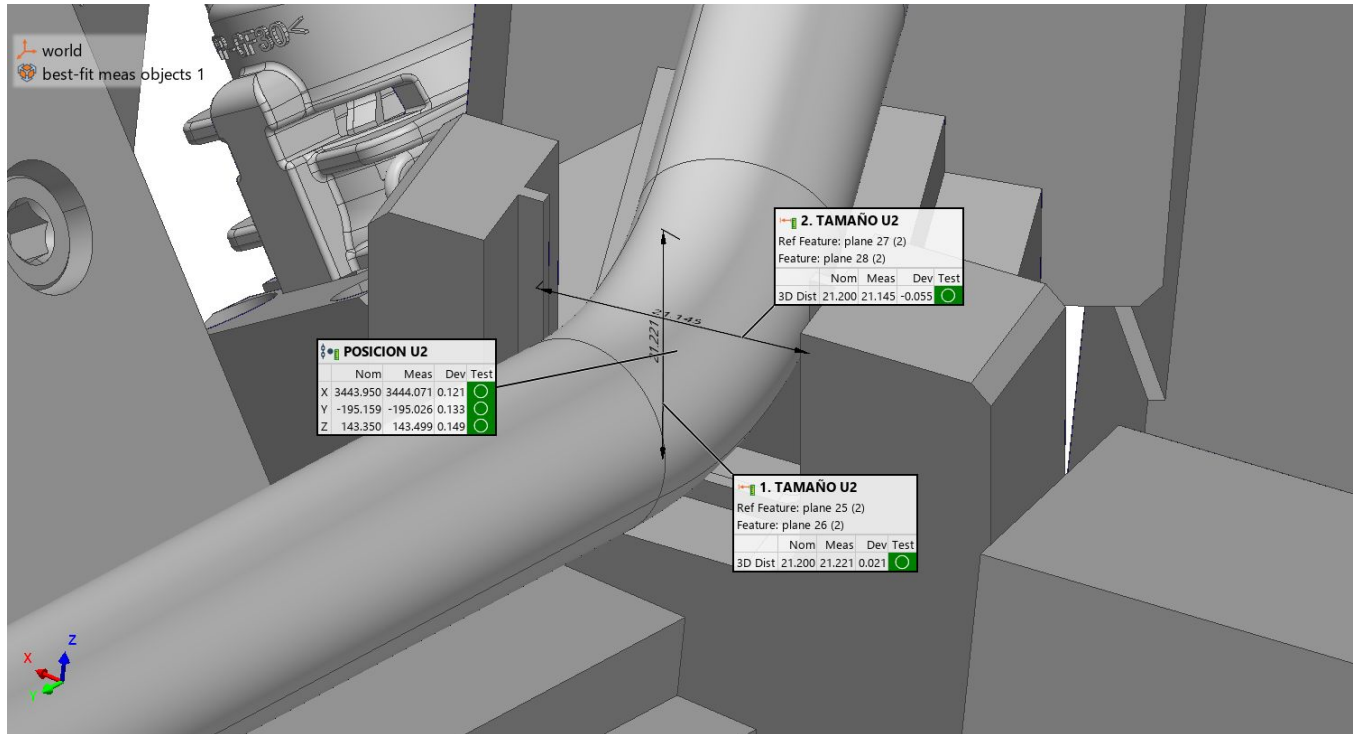
Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.103	±0.100	-0.097	Pass

• POSICION U1

Control	Nom	Meas	Tol	Dev	Test
X	3473.026	3473.079	±0.500	0.053	Pass
Y	-246.676	-246.560	±0.500	0.116	Pass
Z	160.793	160.985	±0.500	0.192	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



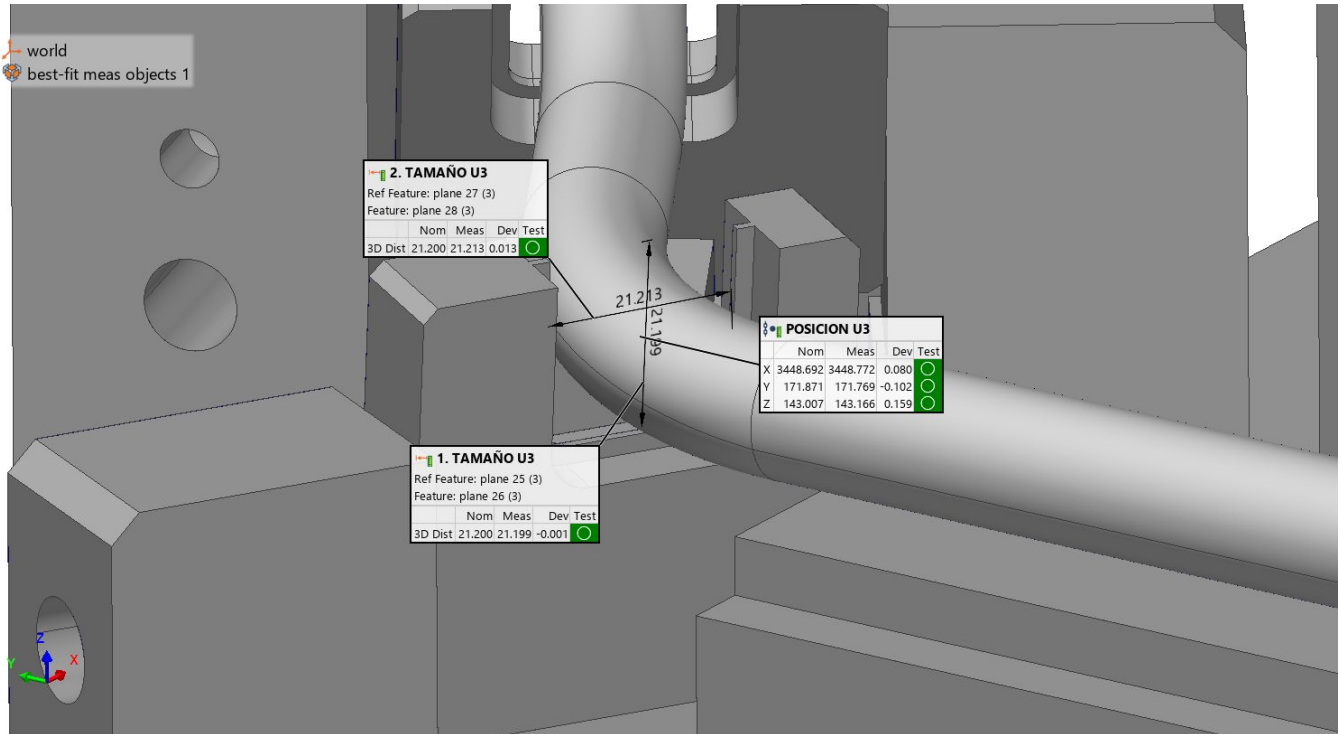
Feature Table

Length Units Millimeters

1. TAMAÑO U2					
			Feature: plane 26 (2), Ref Feature: plane 25 (2)		
Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.221	±0.100	0.021	Pass
2. TAMAÑO U2					
			Feature: plane 28 (2), Ref Feature: plane 27 (2)		
Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.145	±0.100	-0.055	Pass
• POSICION U2					
Control	Nom	Meas	Tol	Dev	Test
X	3443.950	3444.071	±0.500	0.121	Pass
Y	-195.159	-195.026	±0.500	0.133	Pass
Z	143.350	143.499	±0.500	0.149	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



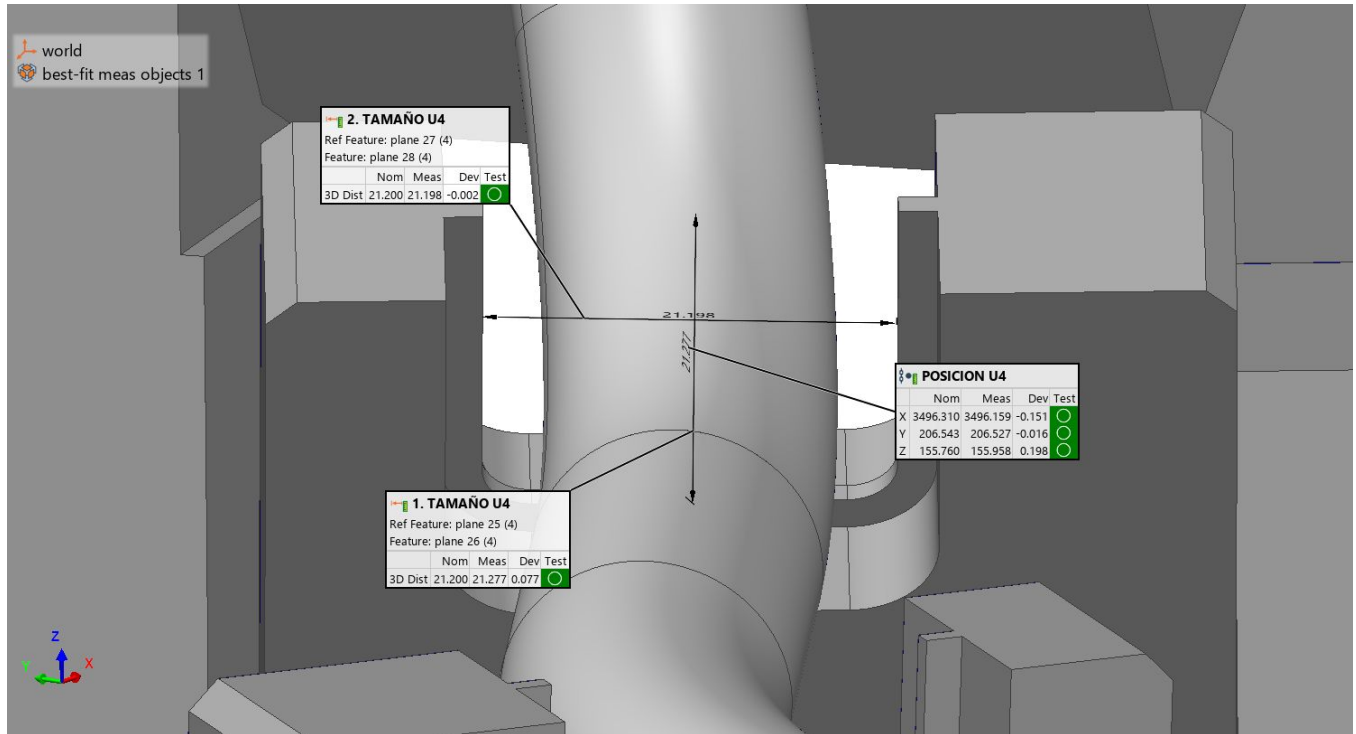
Feature Table

Length Units Millimeters

1. TAMAÑO U3 Feature: plane 26 (3), Ref Feature: plane 25 (3)					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.199	±0.100	-0.001	Pass
2. TAMAÑO U3 Feature: plane 28 (3), Ref Feature: plane 27 (3)					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.213	±0.100	0.013	Pass
• POSICION U3					
Control	Nom	Meas	Tol	Dev	Test
X	3448.692	3448.772	±0.500	0.080	Pass
Y	171.871	171.769	±0.500	-0.102	Pass
Z	143.007	143.166	±0.500	0.159	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

1. TAMAÑO U4

Feature: plane 26 (4), Ref Feature: plane 25 (4)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.277	±0.100	0.077	Pass

2. TAMAÑO U4

Feature: plane 28 (4), Ref Feature: plane 27 (4)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.198	±0.100	-0.002	Pass

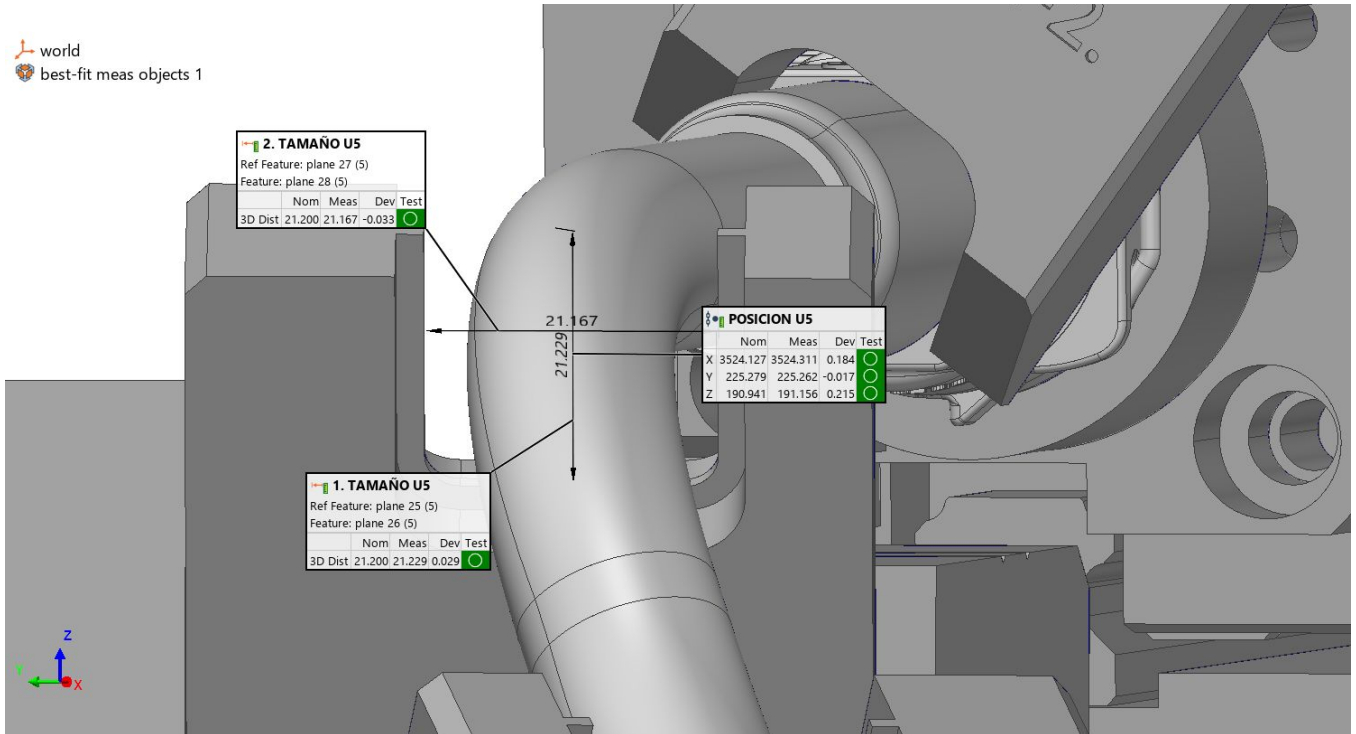
• POSICION U4

Control	Nom	Meas	Tol	Dev	Test
X	3496.310	3496.159	±0.500	-0.151	Pass
Y	206.543	206.527	±0.500	-0.016	Pass
Z	155.760	155.958	±0.500	0.198	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1

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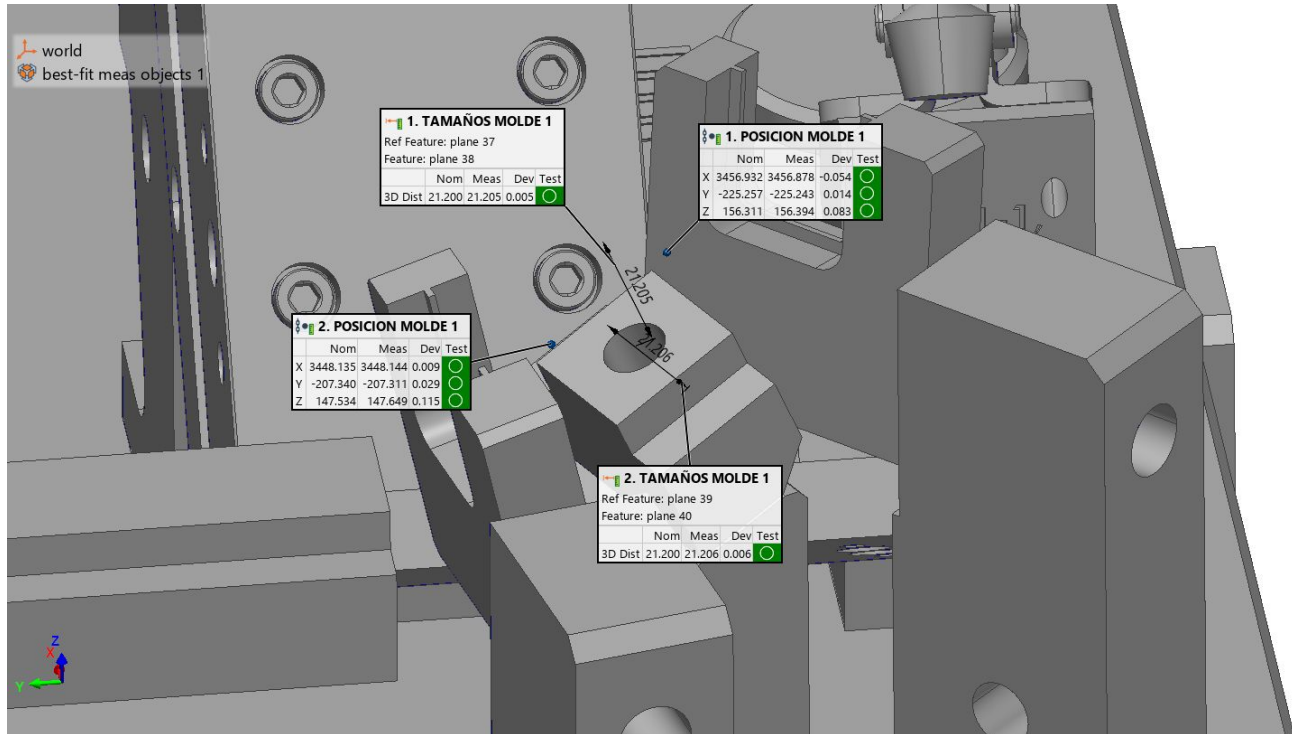
Feature Table

Length Units Millimeters

1. TAMAÑO U5 Feature: plane 26 (5), Ref Feature: plane 25 (5)					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.229	±0.100	0.029	Pass
2. TAMAÑO U5 Feature: plane 28 (5), Ref Feature: plane 27 (5)					
Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.167	±0.100	-0.033	Pass
• POSICION U5					
Control	Nom	Meas	Tol	Dev	Test
X	3524.127	3524.311	±0.500	0.184	Pass
Y	225.279	225.262	±0.500	-0.017	Pass
Z	190.941	191.156	±0.500	0.215	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

1. TAMAÑOS MOLDE 1

Feature: plane 38, Ref Feature: plane 37

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.205	±0.100	0.005	Pass

2. TAMAÑOS MOLDE 1

Feature: plane 40, Ref Feature: plane 39

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.206	±0.100	0.006	Pass

• 1. POSICION MOLDE 1

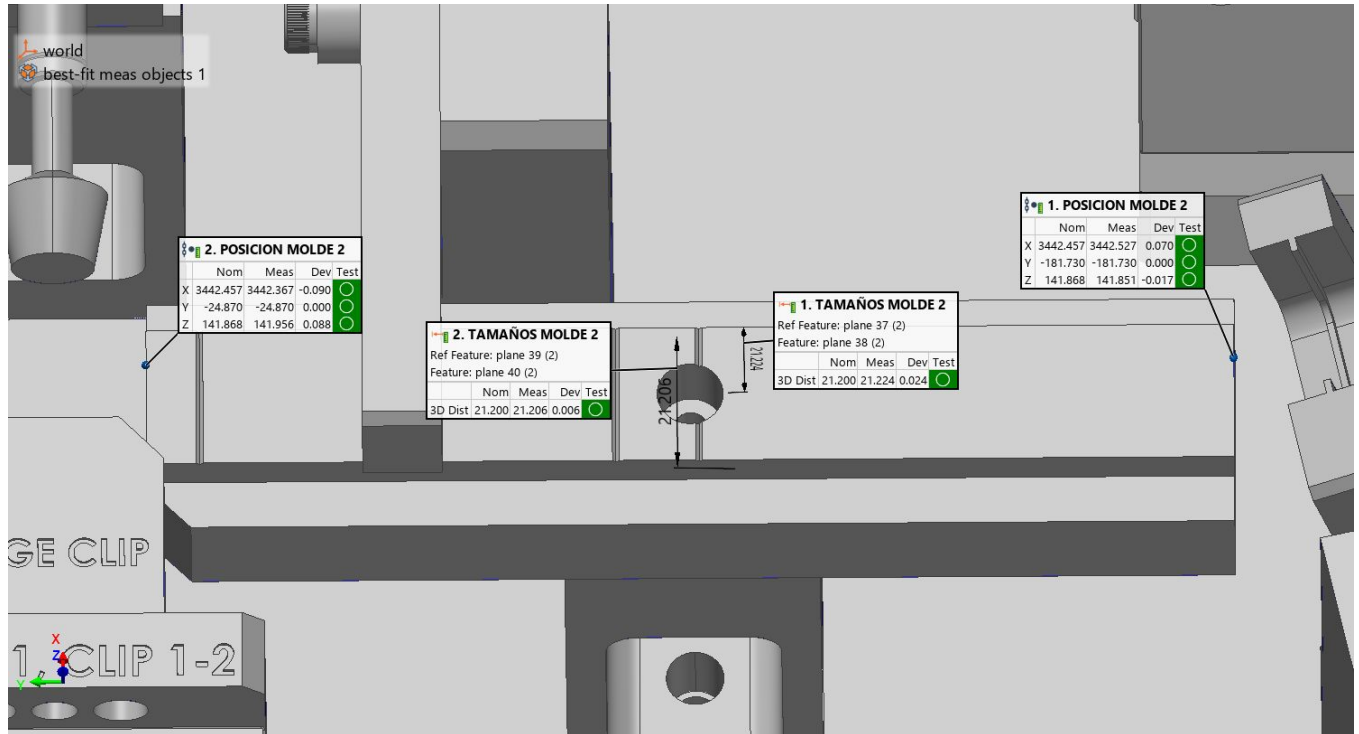
Control	Nom	Meas	Tol	Dev	Test
X	3456.932	3456.878	±0.150	-0.054	Pass
Y	-225.257	-225.243	±0.150	0.014	Pass
Z	156.311	156.394	±0.150	0.083	Pass

• 2. POSICION MOLDE 1

Control	Nom	Meas	Tol	Dev	Test
X	3448.135	3448.144	±0.150	0.009	Pass
Y	-207.340	-207.311	±0.150	0.029	Pass
Z	147.534	147.649	±0.150	0.115	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. TAMAÑOS MOLDE 2

Feature: plane 38 (2), Ref Feature: plane 37 (2)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.224	±0.100	0.024	Pass

2. TAMAÑOS MOLDE 2

Feature: plane 40 (2), Ref Feature: plane 39 (2)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.206	±0.100	0.006	Pass

• 1. POSICION MOLDE 2

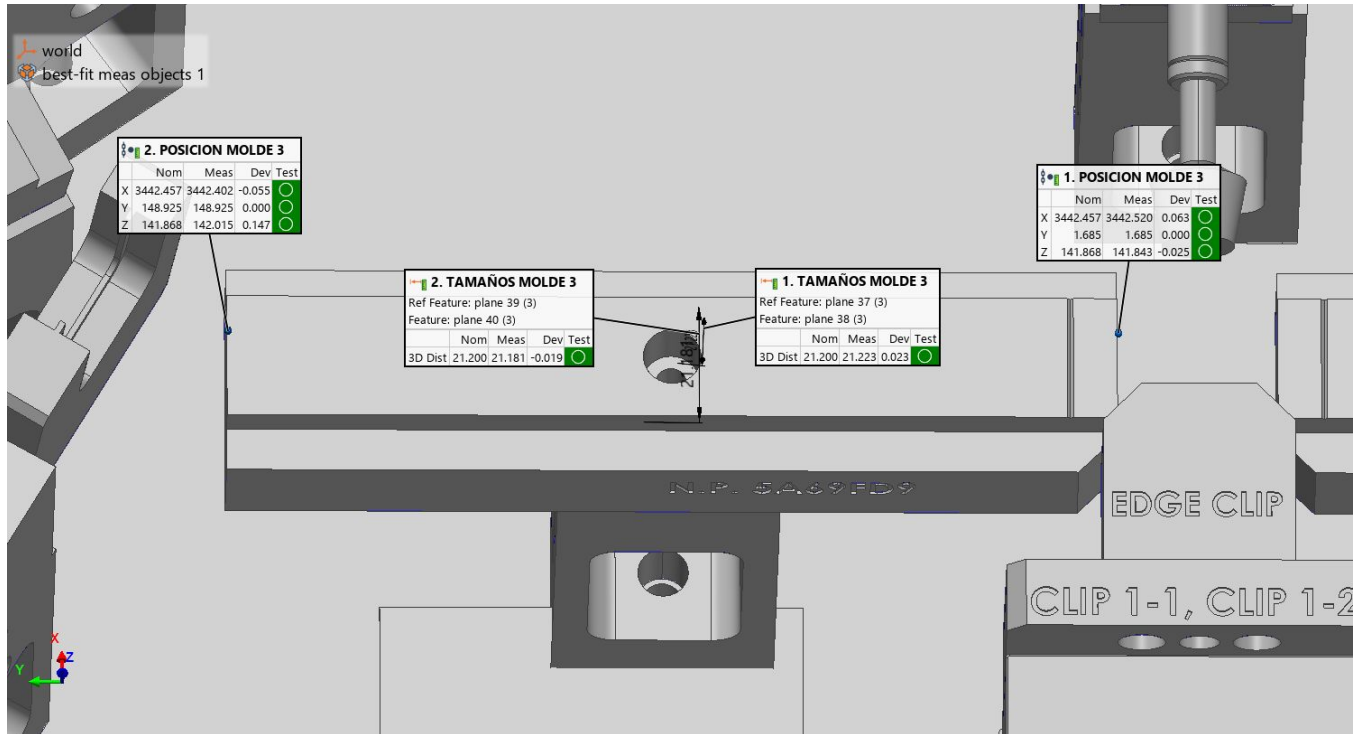
Control	Nom	Meas	Tol	Dev	Test
X	3442.457	3442.527	±0.150	0.070	Pass
Y	-181.730	-181.730	±0.150	0.000	Pass
Z	141.868	141.851	±0.150	-0.017	Pass

• 2. POSICION MOLDE 2

Control	Nom	Meas	Tol	Dev	Test
X	3442.457	3442.367	±0.150	-0.090	Pass
Y	-24.870	-24.870	±0.150	0.000	Pass
Z	141.868	141.956	±0.150	0.088	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. TAMAÑOS MOLDE 3

Feature: plane 38 (3), Ref Feature: plane 37 (3)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.223	±0.100	0.023	Pass

2. TAMAÑOS MOLDE 3

Feature: plane 40 (3), Ref Feature: plane 39 (3)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.181	±0.100	-0.019	Pass

1. POSICION MOLDE 3

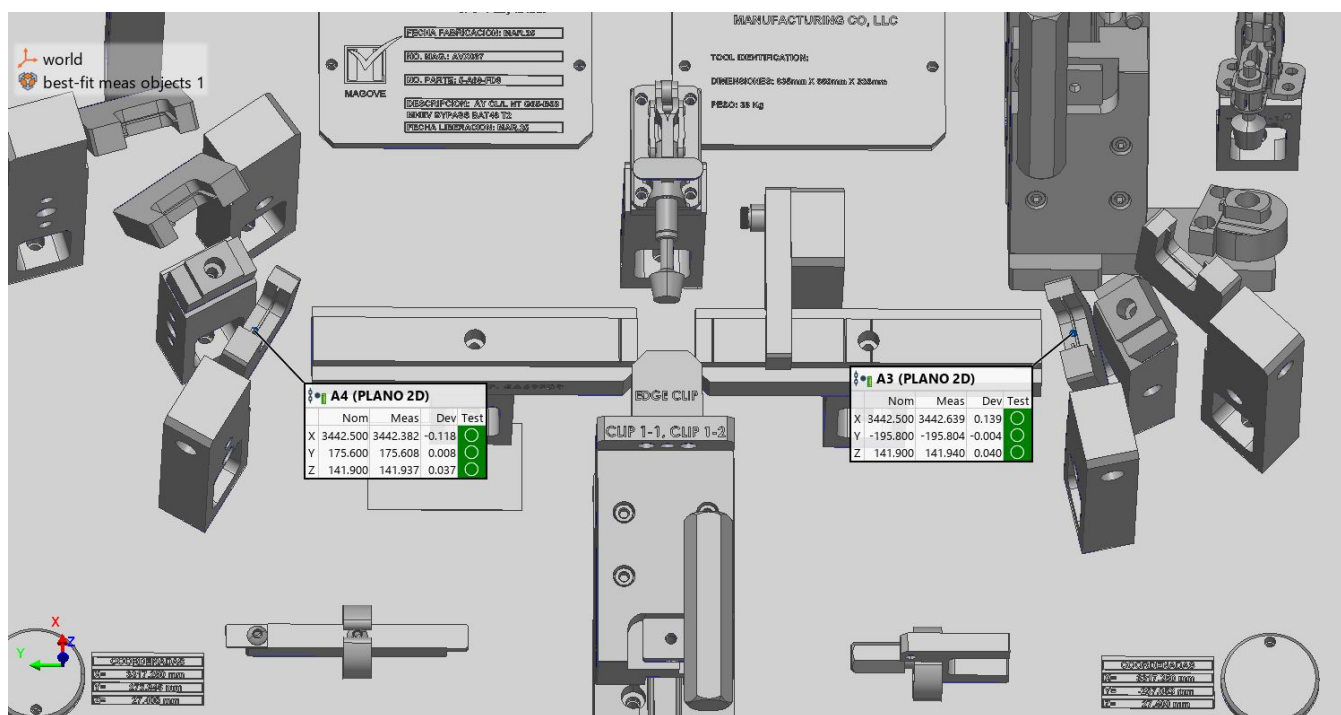
Control	Nom	Meas	Tol	Dev	Test
X	3442.457	3442.520	±0.150	0.063	Pass
Y	1.685	1.685	±0.150	0.000	Pass
Z	141.868	141.843	±0.150	-0.025	Pass

2. POSICION MOLDE 3

Control	Nom	Meas	Tol	Dev	Test
X	3442.457	3442.402	±0.150	-0.055	Pass
Y	148.925	148.925	±0.150	0.000	Pass
Z	141.868	142.015	±0.150	0.147	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

• A3 (PLANO 2D)

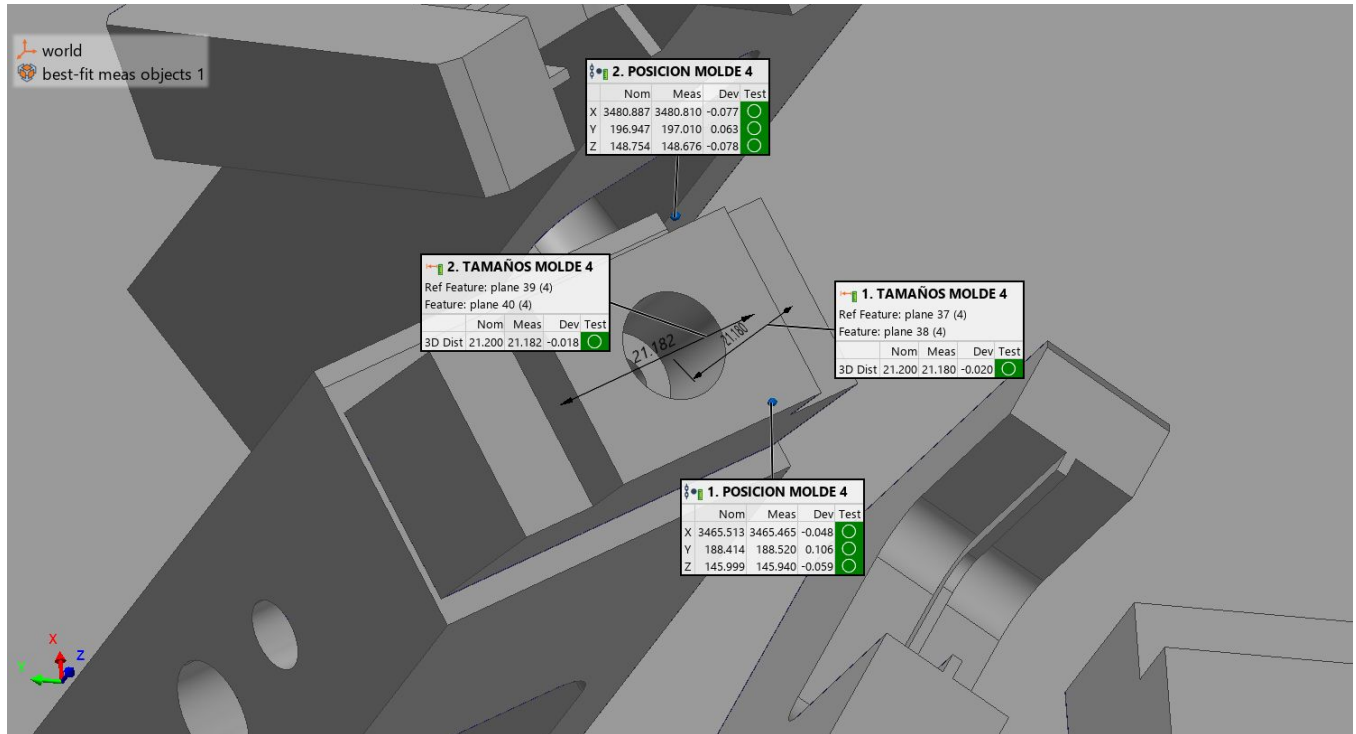
Control	Nom	Meas	Tol	Dev	Test
X	3442.500	3442.639	±0.500	0.139	Pass
Y	-195.800	-195.804	±0.500	-0.004	Pass
Z	141.900	141.940	±0.500	0.040	Pass

• A4 (PLANO 2D)

Control	Nom	Meas	Tol	Dev	Test
X	3442.500	3442.382	±0.500	-0.118	Pass
Y	175.600	175.608	±0.500	0.008	Pass
Z	141.900	141.937	±0.500	0.037	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. TAMAÑOS MOLDE 4

Feature: plane 38 (4), Ref Feature: plane 37 (4)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.180	±0.100	-0.020	Pass

2. TAMAÑOS MOLDE 4

Feature: plane 40 (4), Ref Feature: plane 39 (4)

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.182	±0.100	-0.018	Pass

1. POSICION MOLDE 4

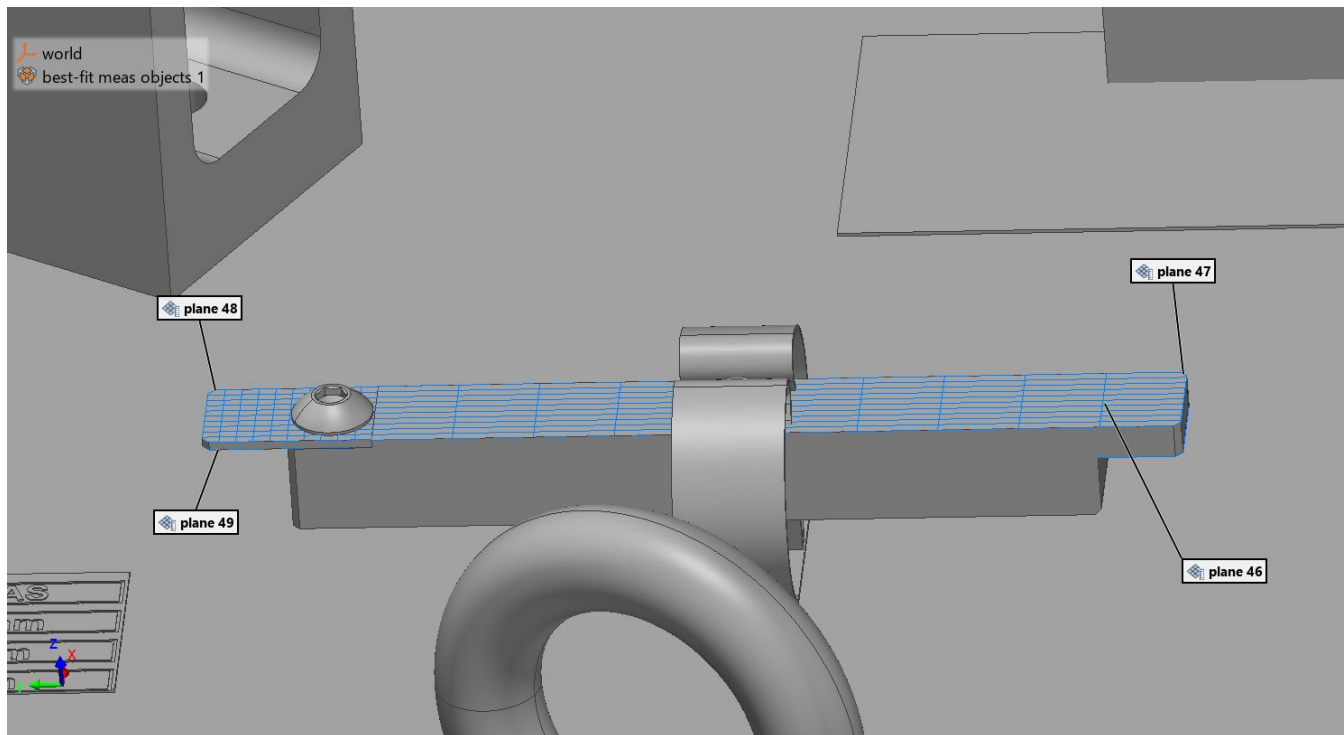
Control	Nom	Meas	Tol	Dev	Test
X	3465.513	3465.465	±0.150	-0.048	Pass
Y	188.414	188.520	±0.150	0.106	Pass
Z	145.999	145.940	±0.150	-0.059	Pass

2. POSICION MOLDE 4

Control	Nom	Meas	Tol	Dev	Test
X	3480.887	3480.810	±0.150	-0.077	Pass
Y	196.947	197.010	±0.150	0.063	Pass
Z	148.754	148.676	±0.150	-0.078	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1



Feature Table

Length Units Millimeters

 **NO GO 4 mm**
Feature: plane 47, Ref Feature: plane 46

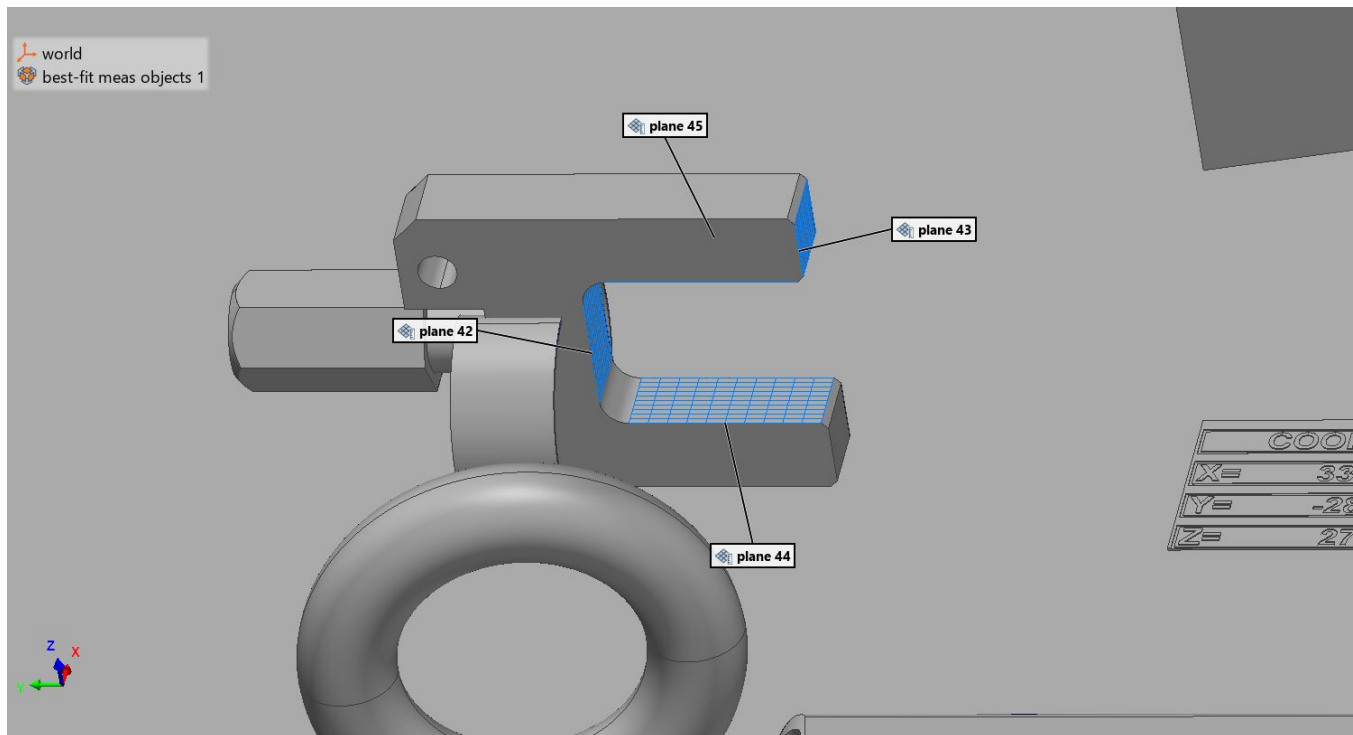
Control	Nom	Meas	Tol	Dev	Test
3D Distance	4.000	3.982	±0.050	-0.018	Pass

 **GO 1 mm**
Feature: plane 49, Ref Feature: plane 48

Control	Nom	Meas	Tol	Dev	Test
3D Distance	1.000	0.990	±0.050	-0.010	Pass

Customer: MAGOVE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
Part number: 5 A69 FD9
Piece: piece 1



Feature Table

Length Units Millimeters

1. RAZADOR

Feature: plane 45, Ref Feature: plane 44

Control	Nom	Meas	Tol	Dev	Test
3D Distance	21.200	21.217	±0.100	0.017	Pass

2. RAZADOR

Feature: plane 43, Ref Feature: plane 42

Control	Nom	Meas	Tol	Dev	Test
3D Distance	27.550	27.538	±0.100	-0.012	Pass

Customer: MAGOVE
 Operator: Felipe Martinez
 E-mail: felipe.martinez@mess.com.mx

Part name: AVX087
 Part number: 5 A69 FD9
 Piece: piece 1