








DIMENSIONAL PART REPORT

LABORATORY

Report Number:		2024-0005_s		Issue date:		October 7, 2024	
Customer:		BMW		Evaluated by:		MIREYA HERNANDEZ	
Customer part number:				Evaluation date:		October 7, 2024	
Part name:		SUPPORT ROD RS CPL VCR		Authorized by:		OSCAR GOMEZ	
Part number:		1372108		Evaluation machine:		CMM (EM-005) / Vision System / Caliper	
Number of pieces:		5		Calibration date:		FEB-24 / JUN-24 / SEP-24	
Plane No.:		1372107					
Dated:		02.10.18					
Change:		c					
Date of production and/or Batch Number				FULL LAY OUT _supplier _Nigbo			

Observations:

Item	Measuring equipment used	Characteristics	Especial Features	Spec.:			Limits		Draw: 1372107			Change: c		Result
				NOMINAL	TOL. MIN -	TOL. MAX +	MIN. -	MAX. +	Obtained Value:					
									Piece 1	Piece 2	Piece 3	Piece 4	Piece 5	
1	CMM	WIDENING ALLOWED MAX.				14.300	0.000	14.300	14.210	14.190	14.220	14.190	14.210	OK
2	Vernier	WIDENING ALLOWED MAX.				16.000	0.000	16.000	14.440	14.430	14.400	14.380	14.41	OK
3	CMM	Radius		850.000	50.000	50.000	800.000	900.000	893.440	897.120	892.440	893.150	892.1	OK
4	CMM	Position			Φ 3	A B C	0.000	3.000	1.526	1.313	1.313	1.328	1.261	OK
5	V. System	Distance		12.000	0.100	0.100	11.900	12.100	12.000	12.020	12.030	12.040	12.04	OK
6	Vernier	WIDENING ALLOWED MAX.				12.300	0.000	12.300	12.060	12.070	12.070	12.060	12.07	OK
7	CMM	Diameter		14.000	0.050	0.110	13.950	14.110	13.983	13.950	13.950	13.985	13.971	OK
	CMM	Position			Φ	Φ 2 A B C	0.000	2.000	1.238	0.933	0.933	1.053	0.858	OK
8	V. System	Radius		0.300	0.000	0.200	0.300	0.500	0.305	0.303	0.307	0.304	0.302	OK
9	CMM	Diameter		12.000	0.100	0.100	11.900	12.100	11.950	11.990	11.950	11.950	11.96	OK
	CMM	Position			Φ	Φ 2 A B C	0.000	2.000	0.796	0.502	0.502	0.632	0.569	OK
10	CMM	Diameter		9.000	0.100	0.100	8.900	9.100	8.980	8.981	8.981	8.995	8.999	OK
11	CMM	Diameter		13.600	0.200	0.200	13.400	13.800	13.640	13.660	13.640	13.660	13.65	OK
13	V. System	Distance		2.500	0.000	1.500	2.500	4.000	3.912	3.945	3.967	3.987	3.981	OK
14	V. System	Draw a. max		0.000	0.000	0.500	0.000	0.500	0.133	0.142	0.128	0.129	0.131	OK
15	CMM	Angle		90.000	2.000	2.000	88.000	92.000	90.120	90.003	90.220	90.150	90.17	OK
16	CMM	Angle		58.000	REF.				60.120	60.230	60.220	60.120	60.06	
17	CMM	Distance		7.700	MIN.				7.723	7.608	7.605	7.684	7.724	OK
18	CMM	Distance		10.000	0.200	0.200	9.800	10.200	10.100	10.100	10.160	10.080	10.11	OK
19	Vernier	Distance		3.000	0.000	0.500	3.000	3.500	3.420	3.420	3.460	3.350	3.37	OK
20	V. System	Distance		13.300	MAX.				13.240	13.220	13.260	13.240	13.26	OK
21	CMM	Distance		7.600	0.000	0.300	7.600	7.900	7.560	7.550	7.550	7.560	7.58	X
22	CMM	Distance		8.800	0.200	0.200	8.600	9.000	8.910	8.940	8.900	8.880	8.840	OK
23	CMM	Perpendicularity				0,4 A	0.000	0.400	0.432	0.414	0.433	0.422	0.433	X

supplier: Nigbo



supplier: T&H

