









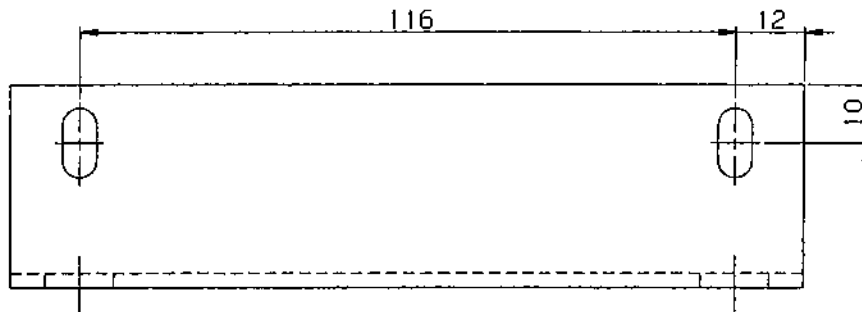


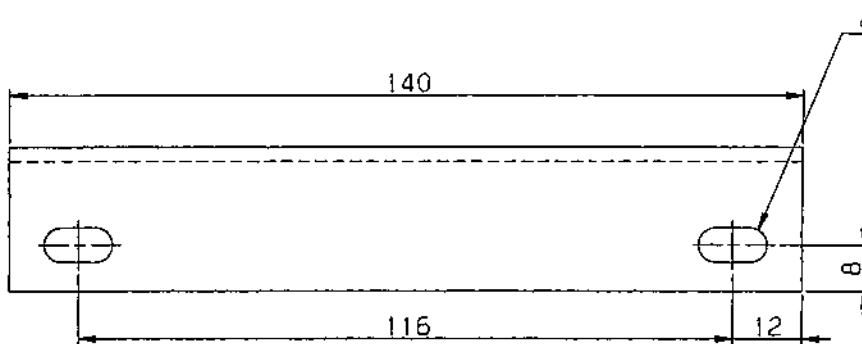
GRADE No.	VALUE	SYMBOL
SURFACE ROUGHNESS		

GRADE No.	N12	N11	N10	N9	N8	N7	N6	N5	N4	N3	N2	N1
VALUE	50	25	12.5	6.3	3.2	1.6	0.8	0.4	0.2	0.1	0.05	0.025
SYMBOL												

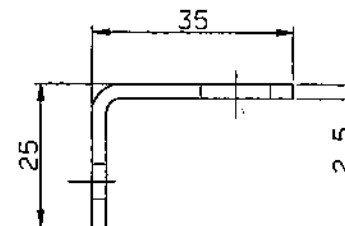
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	+0.1	+0.2	+0.3	+0.5	+0.8	+1.2	+2	+3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)							QUALITY OF WELD JOINTS REF, RD 230 MEDIUM			
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C										
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96						STATUS:	PROTO/PRODUCTION			






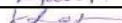








UN CONTROLLED



4-6x12 SLOT HOLES



NOTE
REMOVE ALL SHARP EDGES & BURRS.

							140x56x2.5THK				
SL.No.	QTY	PART / STOCK No.				DESCRIPTION		SIZE	COMPANY STD./I.S		Wt. (Kg)
									MATERIAL		
						PRODUCT	DMRC BG METRO CARS				
						REF DRG					
						MATERIAL	AISI304/SUS304-2B FINISH				
						HEAT TREAT.		APPD		02.05.2018	
						SURFACE TREAT.		REVD		02.05.2018	
						TITLE		CHKD		02.05.2018	
						BRACKET		DRWN		02.05.2018	
							SCALE		SHEET	Wt.(Kg)	
							NTS		1 OF 1	-	
ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD	DRG No.				ALT	
						 BEML LIMITED <small>NEW TECHNOLOGY. NEW DESIGN.</small>				909-19508 	

MACHINING DEVIATIONS FOR LINEAR DIMENSIONS		RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
		TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~

FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227

UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)

VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.

WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96

STATUS: PROTO/PRODUCTION

2-5.5x10 SLOT HOLES

141(TYP)

2-5.5x16 SLOT HOLES

UN CONTROLLED

NOTE

- WELDING SYMBOLS AS PER IS:2553.
- WELDED AREAS SHALL BE PICKLED & PASSIVATED.
- REMOVE ALL SHARP EDGES & BURRS.

ASSY NO.	REMARK
909-19538-300	AS DRAWN
909-19538-301	OPP. HAND DRAWN

SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./I.S	Wt. (Kg)
2	1	909-19538-02	BRACKET 2	3THK	-	-
1	1	909-19538-01	BRACKET 1	3THK	-	-

GRADE No.	VALUE	SYMBOL	ALT.NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD
N1	0.025							
N2	0.05							
N3	0.1							
N4	0.2							
N5	0.4							
N6	0.8							
N7	1.6							
N8	3.2							
N9	6.3							
N10	12.5							
N11	25							
N12	50							

PRODUCT	DMRC BG METRO CARS	
REF DRG		
MATERIAL	AISI304/SUS304-2B FINISH	
HEAT TREAT.	APPD	02.04.2018
SURFACE TREAT.	REVD	02.04.2018
TITLE	CHKD	02.04.2018
BRACKET, GAS CYLINDER	DRWN	02.04.2018
	SCALE	SHEET
	NTS	1 OF 1
DRG No.	909-19538	

BEML LIMITED

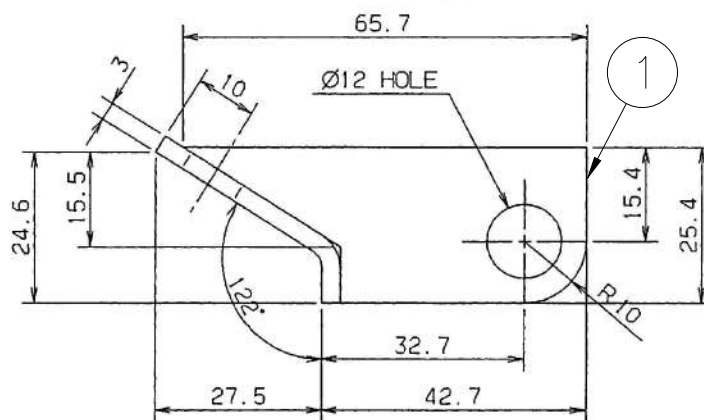
NEW FRONTIERS. NEW DREAMS

ALT

-

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and features:

- Overall height: 36
- Distance from bottom to first hole center: 13
- Distance between hole centers: 15
- Feature 2: A circular feature, possibly a hole or a boss, located at the top left.
- 2-5.5x10 SLOT HOLES: Two slot holes located in the upper section of the part.
- 141(TYP): A dimension indicating a typical distance or length, likely from the bottom edge to the center of the slot holes.
- Bottom flange thickness: 3



1. WELDING SYMBOLS AS PER IS:2553.
2. WELDED AREAS SHALL BE PICKLED & PASSIVATED.
3. REMOVE ALL SHARP EDGES & BURRS.

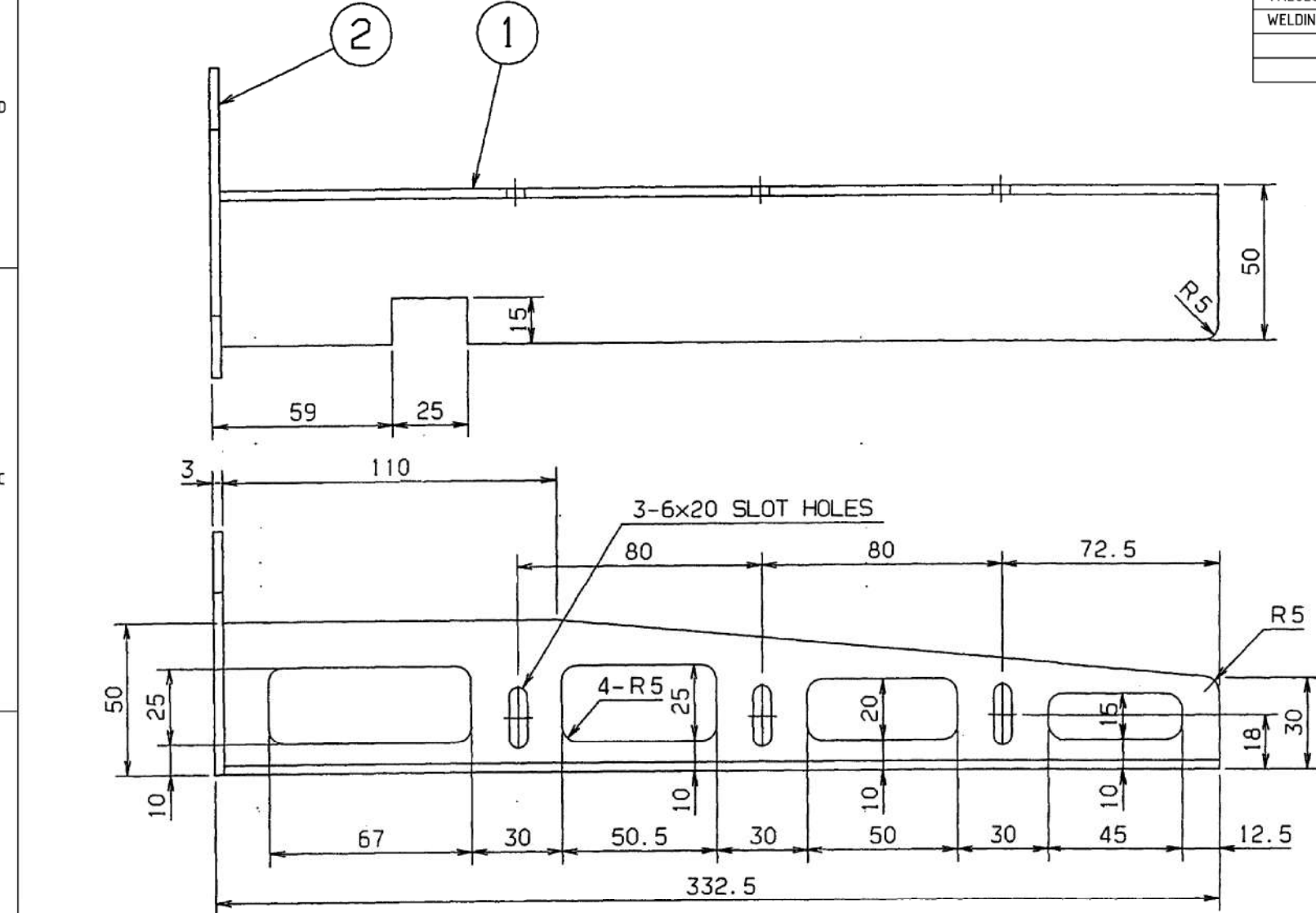
ASSY NO.	REMARK
909-19548-300	AS DRAWN
909-19548-301	OPP. HAND DRAWN



beml BEML LIMITED
NEW FRONTIERS. NEW DREAMS

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GRADE No.	VALUE	SYMBOL
N1	0.075	▽
N2	0.05	▽
N3	0.1	▽
N4	0.2	▽
N5	0.4	▽
N6	0.8	▽
N7	1.6	▽
N8	3.2	▽
N9	6.3	▽
N10	12.5	▽
N11	25	▽
N12	50	▽
SURFACE		
ROUGHNESS		



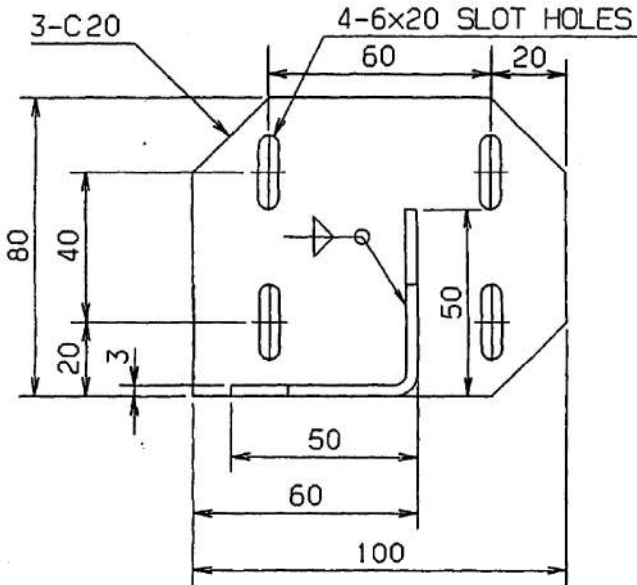
NOTE:



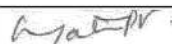
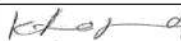

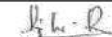
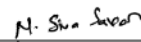





1. WELDING SYMBOLS AS PER ISO:2553.
2. WELD AREA SHALL BE PICKLED AND PASSIVATED.
3. REMOVE ALL SHARP EDGES AND BURRS.

ASSY NO	DIFFERENT PART NO		REMARK
	NO	PART NO	
909-19549-300	1	909-19549-302	AS DRAWN
	2	909-19549-02	
909-19549-301	1	909-19549-303	OPP. HAND DRAWN
	2	909-19549-02	

MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)							QUALITY OF WELD JOINTS REF. RD 230 MEDIUM			
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.						STATUS:	PROTO / PRODUCTION			
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96										

UN CONTROLLED



2	1	SEE TABLE	BRACKET		3t	SUS304, 2B FINISH		
1	1	SEE TABLE	BRACKET		3t	SUS304, 2B FINISH		
SL.No.	QTY	PART / STOCK No.	DESCRIPTION		SIZE	COMPANY STD./I.S	Wt. (Kg)	
						MATERIAL		
				PRODUCT	DMRC BG METRO CARS			
				REF DRG				
				MATERIAL				
				HEAT TREAT.	APPD		10.04.2018	
				SURFACE TREAT.	REVD		10.04.2018	
				TITLE	CHKD		10.04.2018	
				BRACKET LOWER END	DRWN		10.04.2018	
					SCALE		SHEET	Wt.
					1:5		1 OF 1	-
				 BEM LIMITED <small>NEW FRONTIER. NEW DREAMS</small>	DRG No.		ALT	
					909-19549			
ALT.No.	ECN NO/CHANGES		DATE	BY	CHKD	APPD		

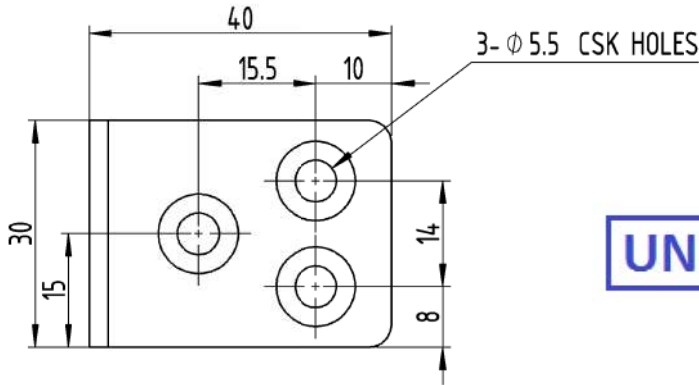
beml BEML LIMITED
NEW FRONTIERS. NEW DREAMS

909-19549

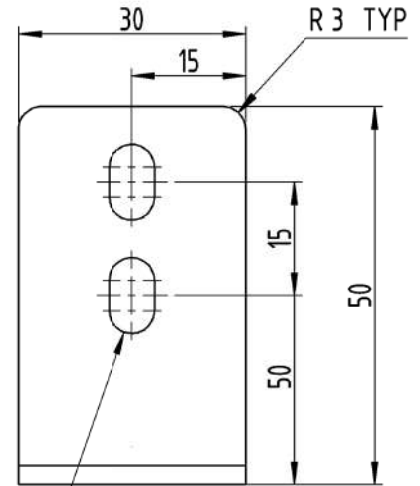
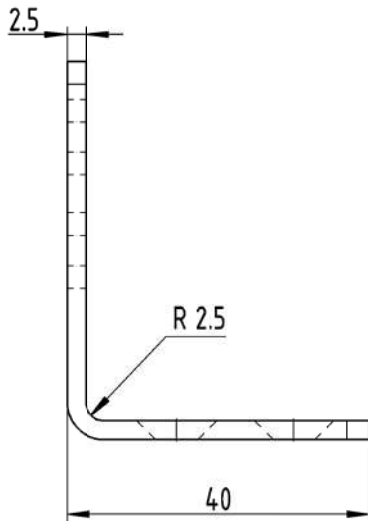
ALT

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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 – 6	6 – 30	30 – 120	120 – 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)							QUALITY OF WELD JOINTS REF, RD 230 MEDIUM			
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.						STATUS:	PROTO / PRODUCTION			
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96										



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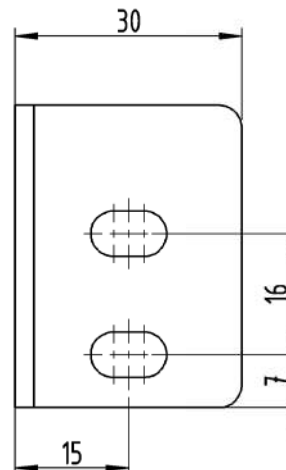
2- 6 x10 SLOT HOLES

NOTE: REMOVE ALL SHARP EDGES AND BURRS.

NG		0.8								85x30x2.5 THK									
N7		1.6		SL.No.		QTY		PART / STOCK No.		DESCRIPTION		SIZE		COMPANY STD./I.S		Wt. (Kg)			
														MATERIAL					
N8		3.2								PRODUCT		DMRC BG METRO CARS							
N9		6.3								REF DRG									
N10		12.5								MATERIAL		SUS304, 2B FINISH							
N11		25								HEAT TREAT.		APPD		[Signature]		10.04.2018			
N12		50								SURFACE TREAT.		REVD		[Signature]		10.04.2018			
										TITLE		CHKD		[Signature]		10.04.2018			
												DRWN		[Signature]		10.04.2018			
GRADE No.		VALUE		SYMBOL						BRACKET 1		SCALE		[Symbol]		SHEET		Wt.	
												1:1				1 OF 1		0g	
SURFACE ROUGHNESS												DRG No.						ALT	
																		[Symbol]	

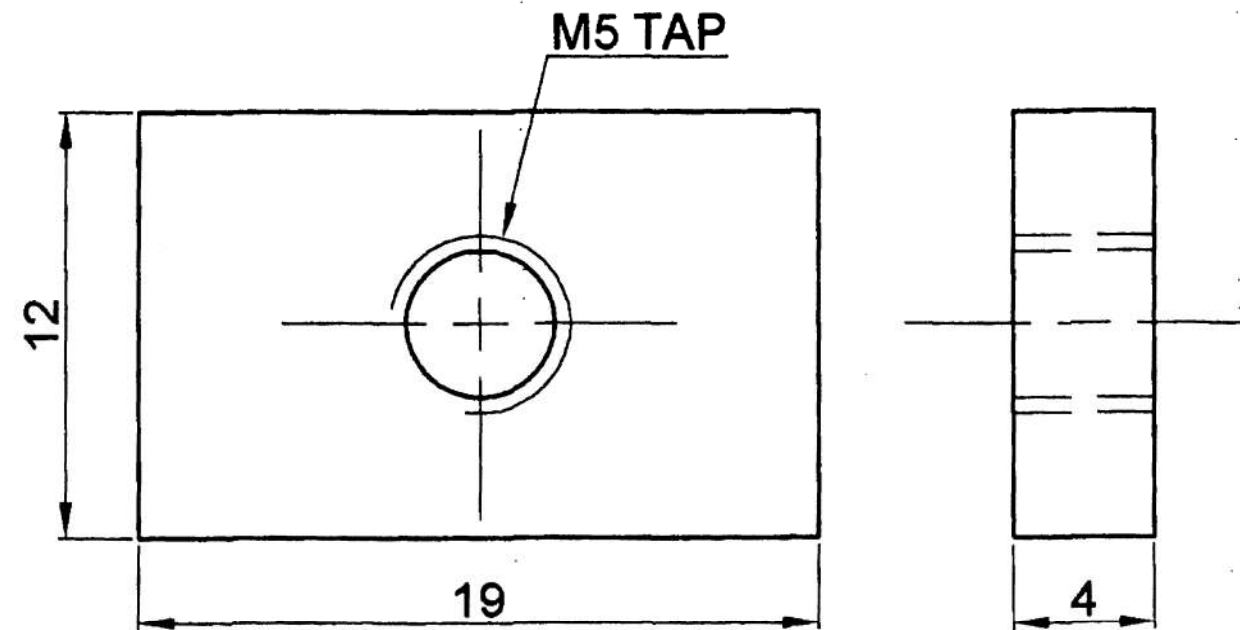
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MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)							QUALITY OF WELD JOINTS REF, RD 230 MEDIUM			
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.							STATUS:	PROTO / PRODUCTION		
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96										



NOTE: REMOVE ALL SHARP EDGES AND BURRS.

[illegible]

UN CONTROLLED[illegible]

SL No	QTY	DRG. / STOCK No.	DESCRIPTION	SIZE	COMPANY STD./IS STD		Wt.Kg
			DETAIL PARTS	MATERIAL			
			PRODUCT	DMRC BG METRO CARS			
				SURFACE TREATMENT			
				APPROVED	[Signature]		10-7-08
				CHECKED	[Signature]		10-7-08
				DRAWN	DHANRAJ		10-07-08
				REF DRG			
ALT	CHANGES /	ECN No.	DATE	BY	CKD	APP	QTY
							NEXT ASSY
							MODEL
			TITLE				SCALE NTS
							[Symbol]
							SHEET OF
							WT(Kg)
							0.006
							DRG No.
							ALT
							[Triangle]