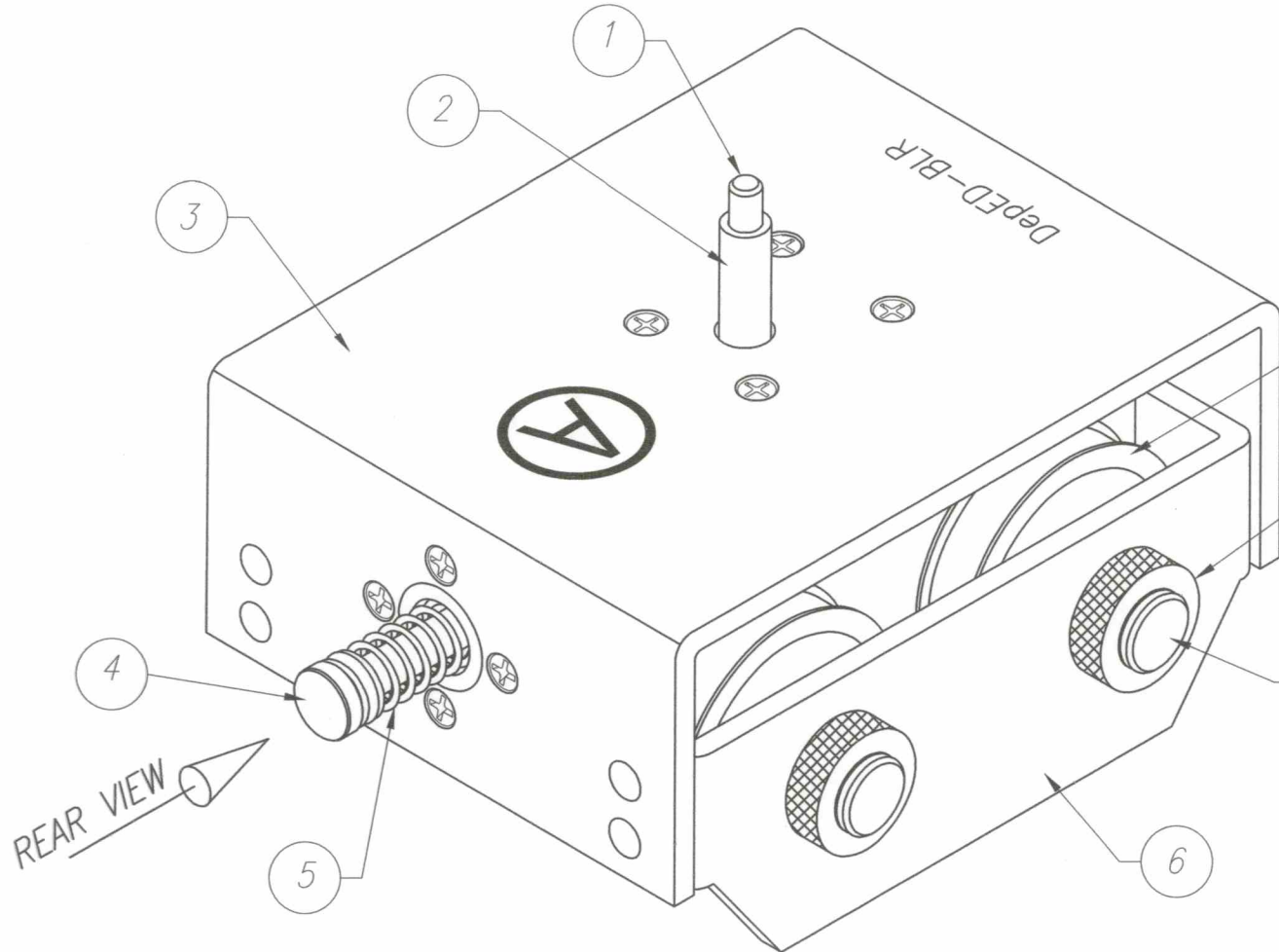


BATCH "B"


Item	Description	Qty.
1	Push Rod	1 pc.
2	Push Rod Housing	1 pc.
3	Cart Body	1 pc.
4	Spring Pad	1 pc.
5	Spring	1 pc.
6	Cart Chassis	2 pcs.
7	Teflon Bearing	4 pcs.
8	Bearing Nut	4 pcs.
9	Wheel	4 pcs.



Note: Average weight of BLR prototype dynamic cart is 286grams. This will serve as reference during mass production. The final weight will be based on the actual weight of the mass-produced dynamic cart, considering all the parameters in the official specs were met. Weight tolerance per dynamic cart is  $\pm 2.5$ grams.

GOVERNMENT PROPERTY

ISOMETRIC

Date	SEPT 2021	Scale	NTS	<b>RAIL AND CART SYSTEM</b>	
Conceptualized by					
Drawn by	B.C. Lisondra	Q.S. Checked by	J.N. Arjoja	DYNAMIC CART "A" (SPRING LOADED)	
Designed by				Material	File name
				Recommended by	ISOcart_A1
				Approved by	 <b>DEPED-BLR</b>
				RC La Rosa	

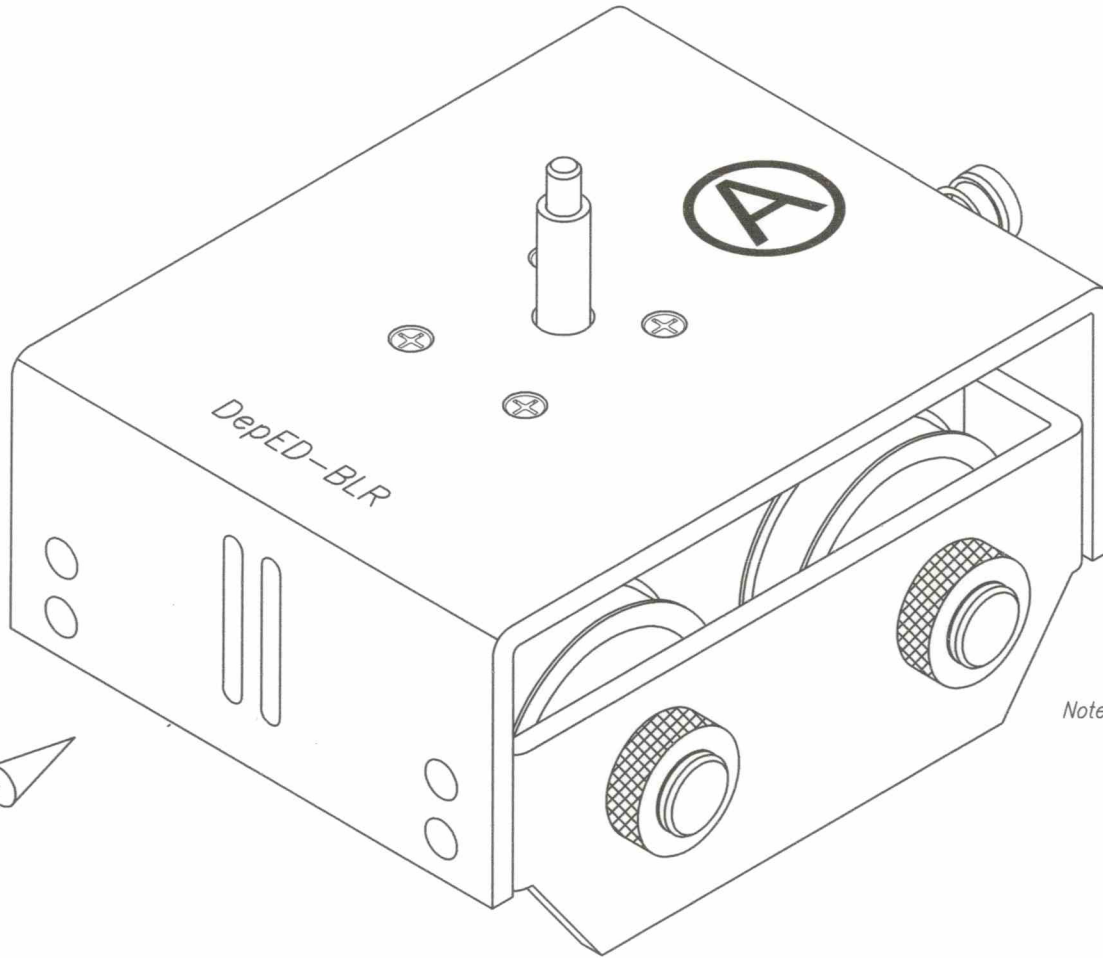
TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium					

SYM	REVISION	DATE	BY

BATCH "B"



Note: Average weight of BLR prototype dynamic cart is 286grams. This will serve as reference during mass production. The final weight will be based on the actual weight of the mass-produced dynamic cart, considering all the parameters in the official specs were met. Weight tolerance per dynamic cart is  $\pm 2.5$ grams.

ISOMETRIC

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	<b>RAIL AND CART SYSTEM</b>	
Conceptualized by					
Drawn by	B.C. Lisondra	Q.C. Checked by	J.N. Ariga	DYNAMIC CART "A" (SPRING LOADED)	
Designed by				Material	File name
					ISOcart_A2
Recommended by	A.B. Ybañez			<b>DepED-BLR</b>	
Approved by	R. C. La Rosa				



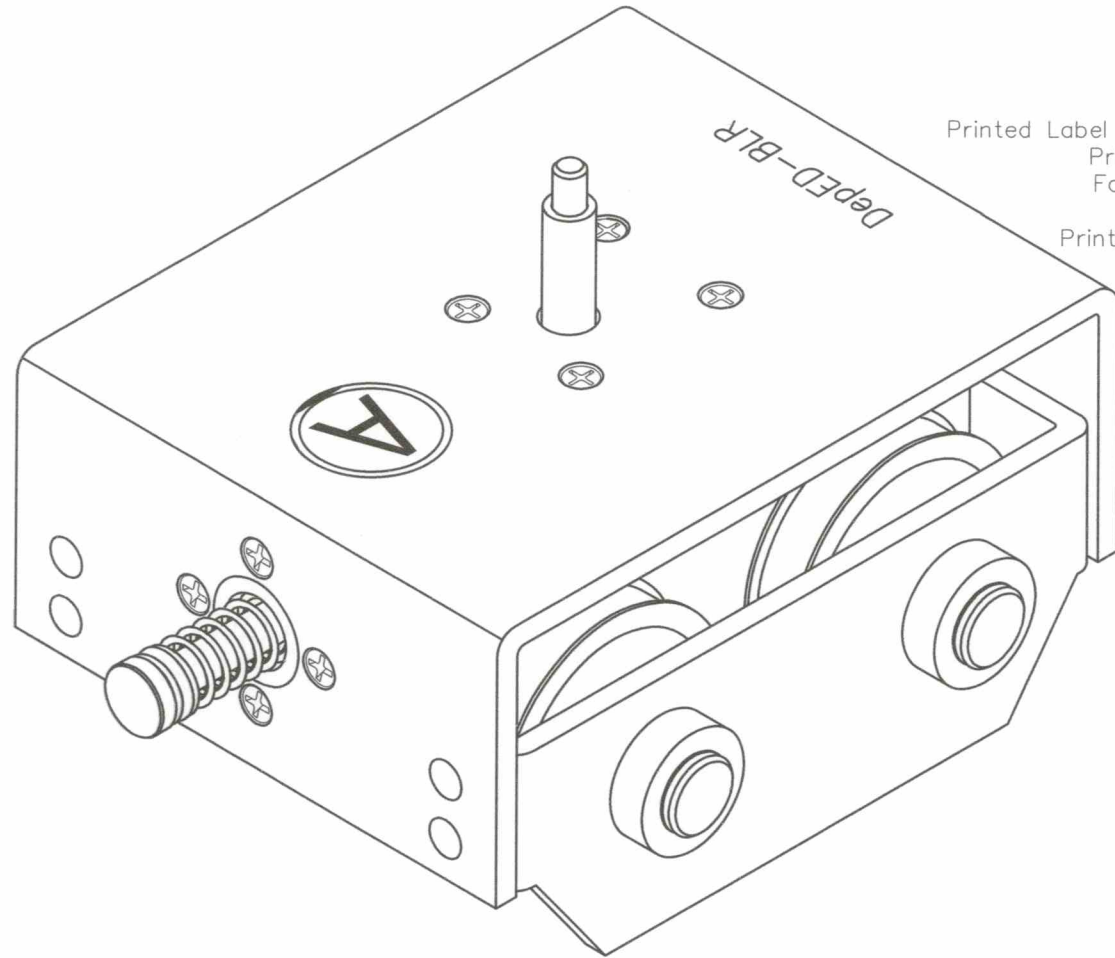
TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

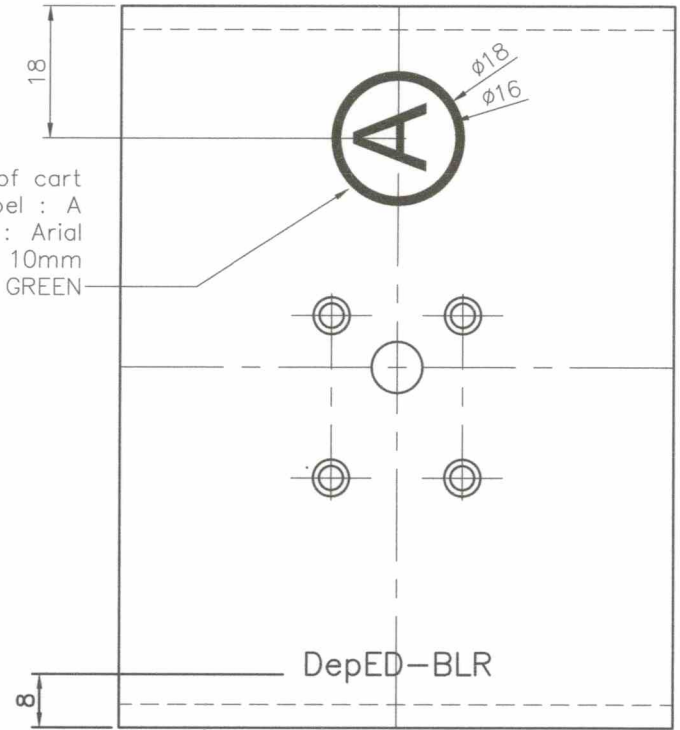
TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium					

SYM	REVISION	DATE	BY

BATCH "B"



Printed Label on top of cart  
 Printed Label : A  
 Font Type : Arial  
 Height : 10mm  
 Print color : GREEN



PRINT LAYOUT

ISOMETRIC

\*Dimensions are in millimeters.  
 \*Smoothen sharp edges.

GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

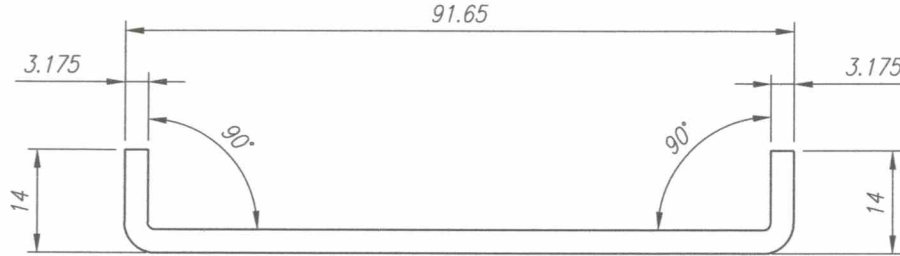
  

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		± 0.20	± 0.50	± 1.00	± 2.00

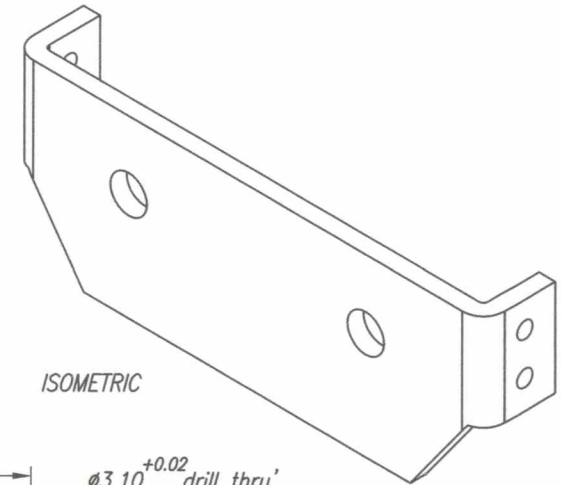
SYM REVISION DATE BY

Date	SEPT 2021	Scale	NTS	<b>RAIL AND CART SYSTEM</b>	
Conceptualized by					
Drawn by	B.C. Lisondra	Item Name	DYNAMIC CART "A" (SPRING LOADED)		Sheet
Designed by		Q.S. Checked by	J.N. Arjoja	Material	File name isoCart_A3
Recommended by	A.B. Ybanez			<b>DepED-BLR</b>	
Approved by	R. C. La Rosa				

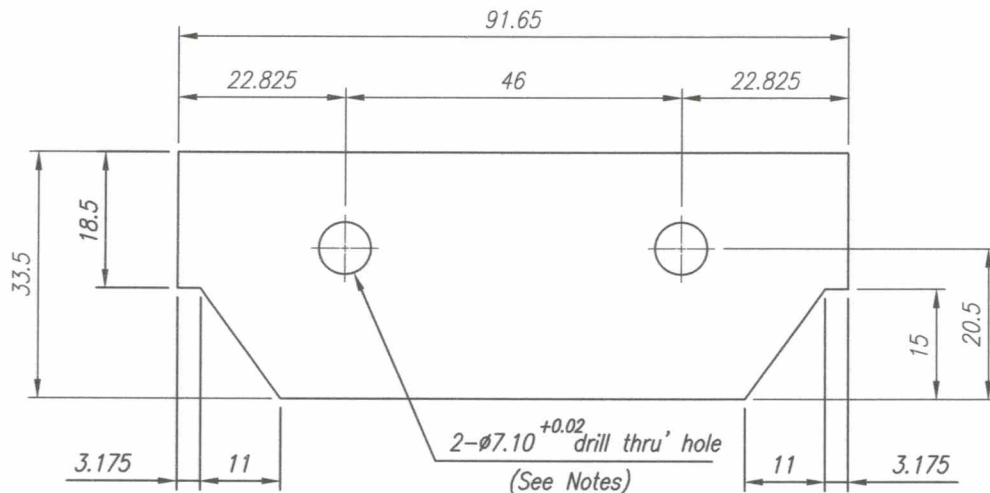
BATCH "B"



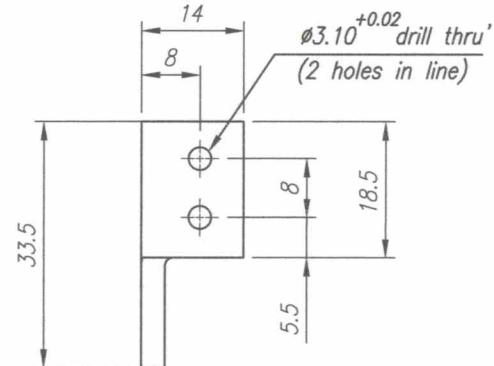
TOP VIEW



ISOMETRIC



FRONT VIEW



RIGHT SIDE VIEW

- Notes: 1. The cart chassis must be fastened to the cart body using solid aluminum rivets. (See details of the Aluminum Rivet on separate sheet.)  
 2. Drilling of the  $\phi 7.10$  holes for the teflon bearings of the axles must be done after fastening the two (2) chassis to the cart body.

\*Dimensions are in millimeters except otherwise specified.  
 \*Smoothen sharp edges.  
 \*Surface Roughness: 1.0 to 2.0  $\mu m$ .


GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

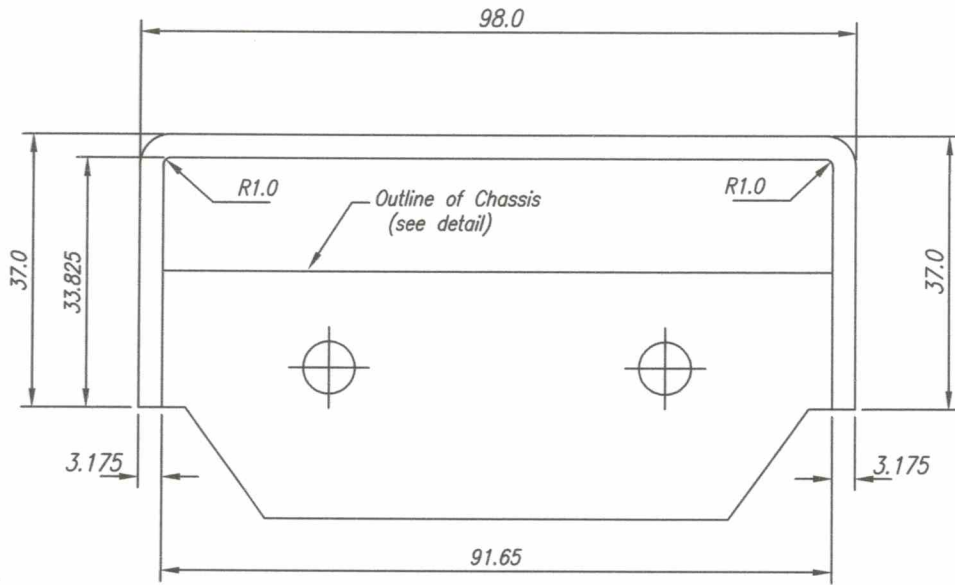
TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium					

SYM	REVISION	DATE	BY

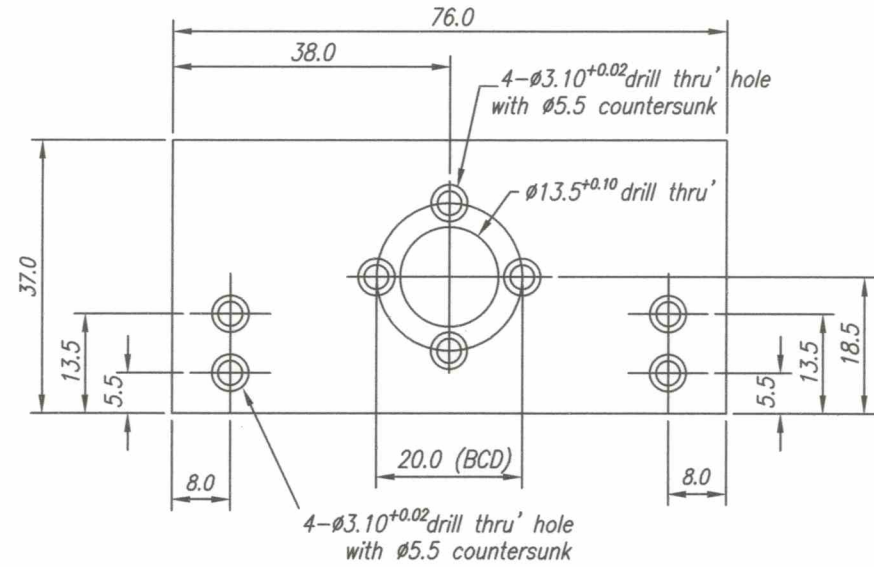
Date	SEPT 2021	Scale	NTS	RAIL AND CART SYSTEM	
Conceptualized by					
Drawn by	B.C. Lisondra			Item Name	Sheet
Designed by				Material	File name
				3.175mm thk. Aluminum Plate, AA 6061	ADcart018
				 DepED-BLR	
Recommended by	A.B. Ybañez				
Approved by	R. C. La Rosa				



BATCH "B"



RIGHT SIDE VIEW



REAR VIEW

- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 2.0  $\mu$ m


GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

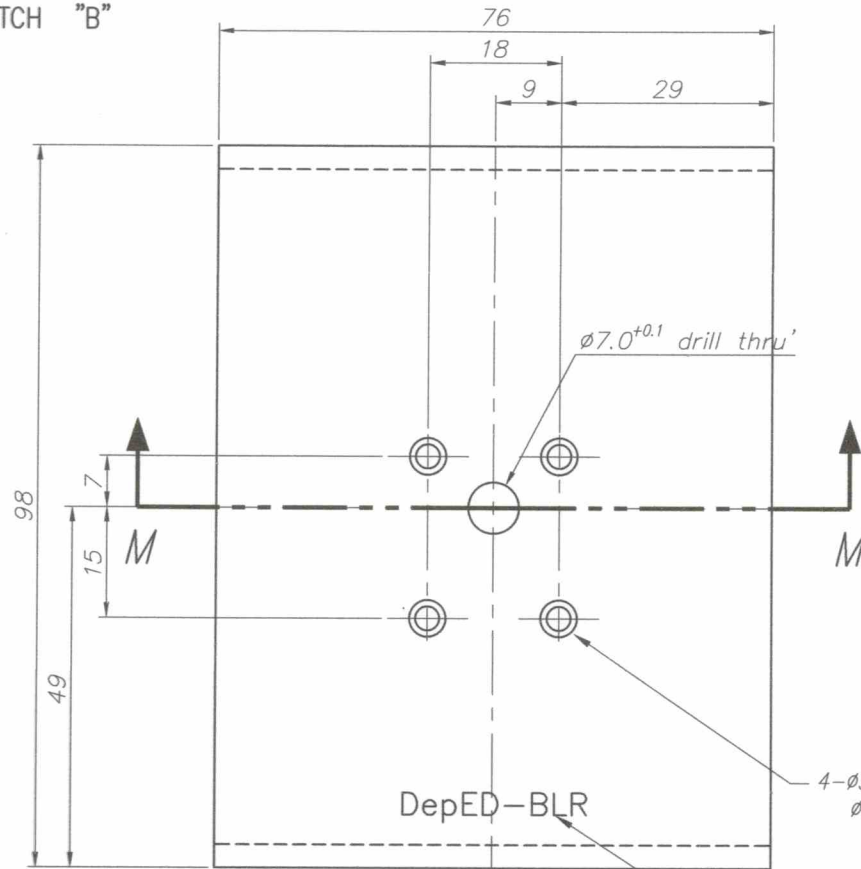
  

TOLERANCES FOR RADIUS & CHAMFERS						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$	
Medium						

SYM	REVISION	DATE	BY

Date	SEPT 2021	Scale	NTS	RAIL AND CART SYSTEM	
Conceptualized by					
Drawn by	B.C. Lisondra	Item Name	DYNAMIC CART "A" - BODY (SPRING LOADED)		Sheet
Designed by	Q.C. checked by	Material	3.175mm thk. Aluminum Plate, AA 6061		File name
	J.N. Alioja				ADcart001
Recommended by	A.B. Ybañez	 <b>DEPED-BLR</b>			
Approved by	R.C. La Rosa				

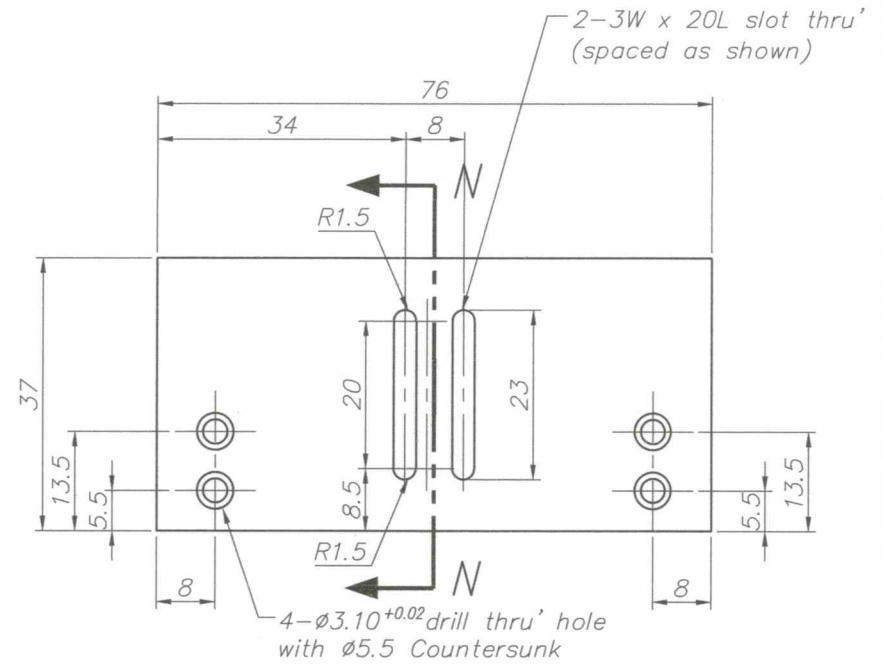
BATCH "B"



TOP VIEW

4- $\phi 3.10^{+0.02}$  drill thru with  $\phi 5.5$  Countersunk

DepED-BLR Punched Marker  
Font Style: Arial  
Size: 3mm




FRONT VIEW

- \* Dimensions are in millimeters except otherwise specified.
- \* File all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20  $\mu\text{m}$

GOVERNMENT PROPERTY

RAIL AND CART SYSTEM

Date	SEPT 2021	Scale	NTS
Conceptualized by			
Drawn by	B.C. Lisondra	Item Name	DYNAMIC CART "A" BODY (SPRING LOADED)
Designed by		Material	
Q.C. Checked by	J.N. Ariola	File name	ADcart002
Recommended by	A.B. Ybanez	 <p>DepED-BLR</p>	
Approved by	R. C. La Rosa		

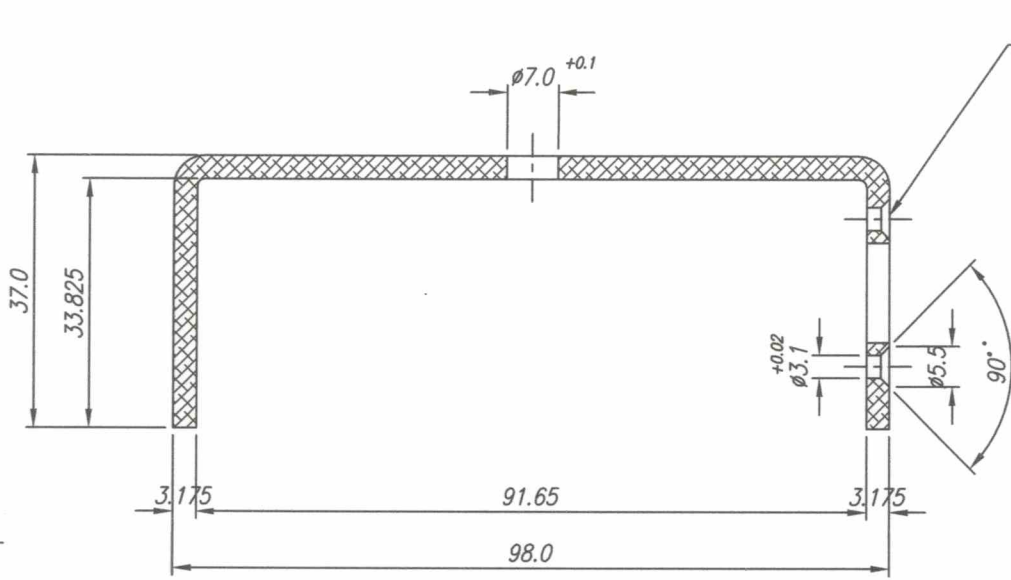
TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

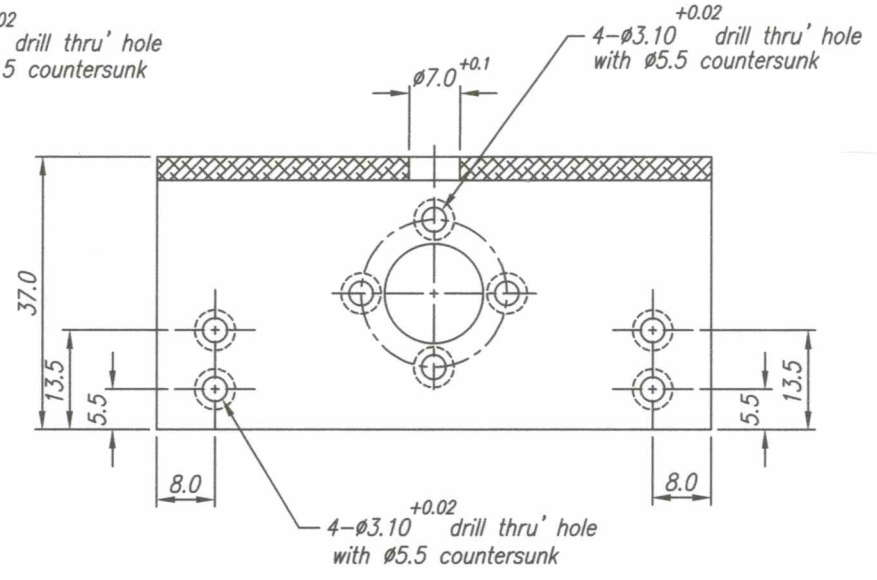
TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium					

SYM	REVISION	DATE	BY

BATCH "B"



SECTION N-N



SECTION M-M

- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 2.00 μm


GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	Over 0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

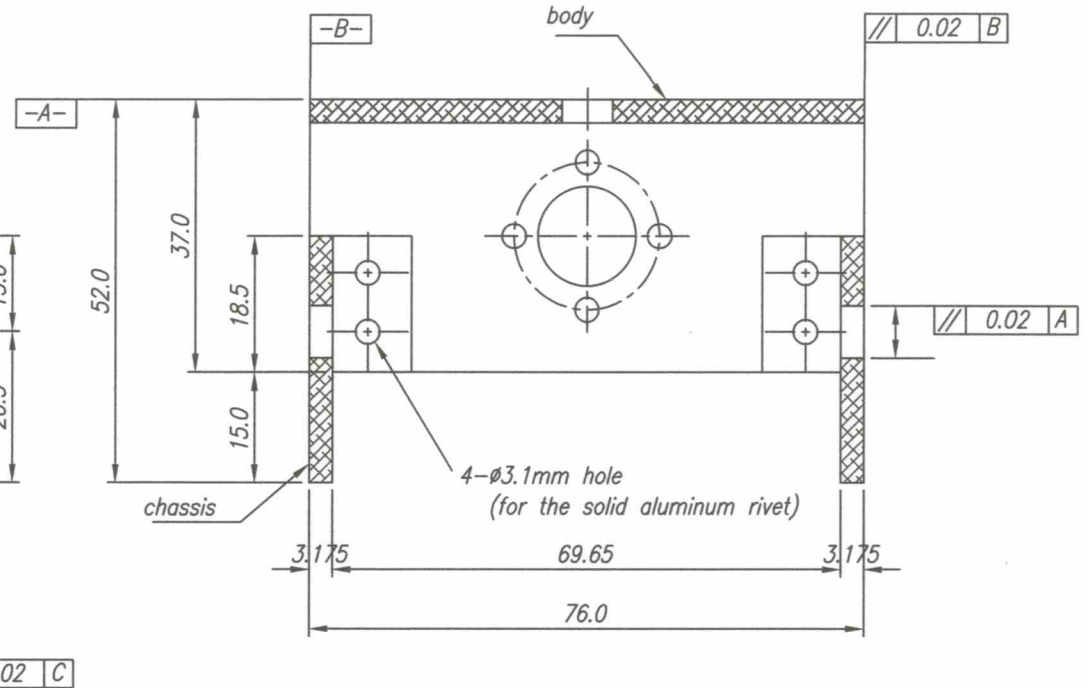
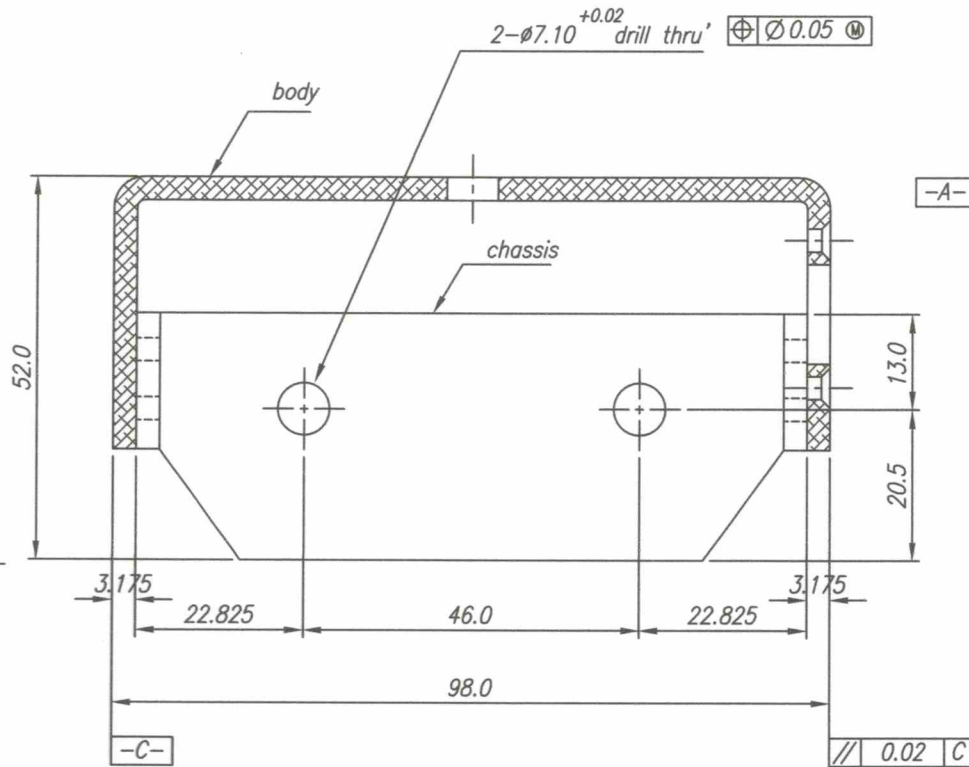
TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	Over 0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		± 0.20	± 0.50	± 1.00	± 2.00
Medium					

SYM	REVISION	DATE	BY

Date	SEPT 2021	Scale	NTS	RAIL AND CART SYSTEM	
Conceptualized by					
Drawn by	B.C. Lisonda	Item Name	DYNAMIC CART "A" BODY (SPRING LOADED)		Sheet
Designed by	J.C. Checked by	Material	3.175mm thk. Aluminum Plate, AA 6061		File name
	J.N. Arjoja				ADcart003
Recommended by	A.B. Ybañez	 <b>DepED-BLR</b>			
Approved by	R. C. La Rosa				

BATCH "B"

- Notes: 1. The cart chassis must be fastened to the cart body using solid aluminum rivets.  
 (See details of the Aluminum Rivet on separate sheet.)  
 2. Drilling of the  $\varnothing 7.10$  holes for the teflon bearings of the axles must be done after fastening the two (2) chassis to the cart body.



- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 2.00  $\mu\text{m}$


GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

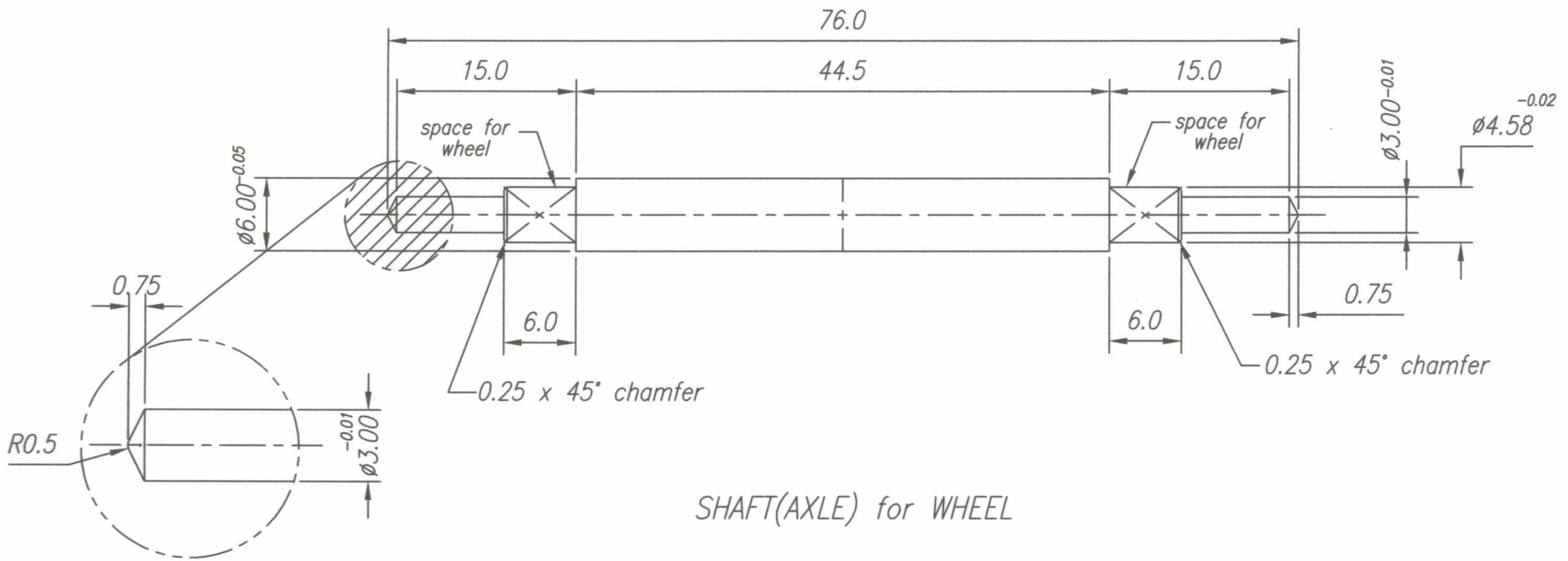
TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium					

SYM	REVISION	DATE	BY

Date	SEPT 2021	Scale	NTS	RAIL AND CART SYSTEM	
Conceptualized by					
Drawn by	B.C. Lisondra	Item Name	DYNAMIC CART "A" BODY (SPRING LOADED)		Sheet
Designed by	J.C. Checked by	Material	3.175mm thk. Aluminum Plate, AA 6061		File name
	J.N. Arjoja				ADcart003-a
Recommended by	A.B. Ybañez	 DepED-BLR			
Approved by	R. C. La Rosa				



BATCH "B"



SHAFT(AXLE) for WHEEL

TYPICAL END DETAIL


- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20 μm

GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	Over 0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	+ 0.10	+ 0.20	± 0.30	± 0.50

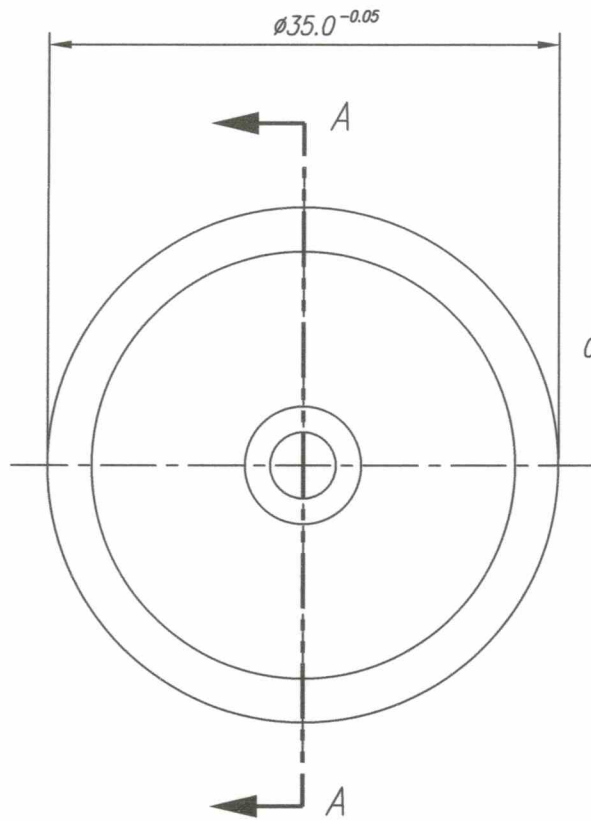
  

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	Over 0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		± 0.20	± 0.50	± 1.00	± 2.00
Medium					

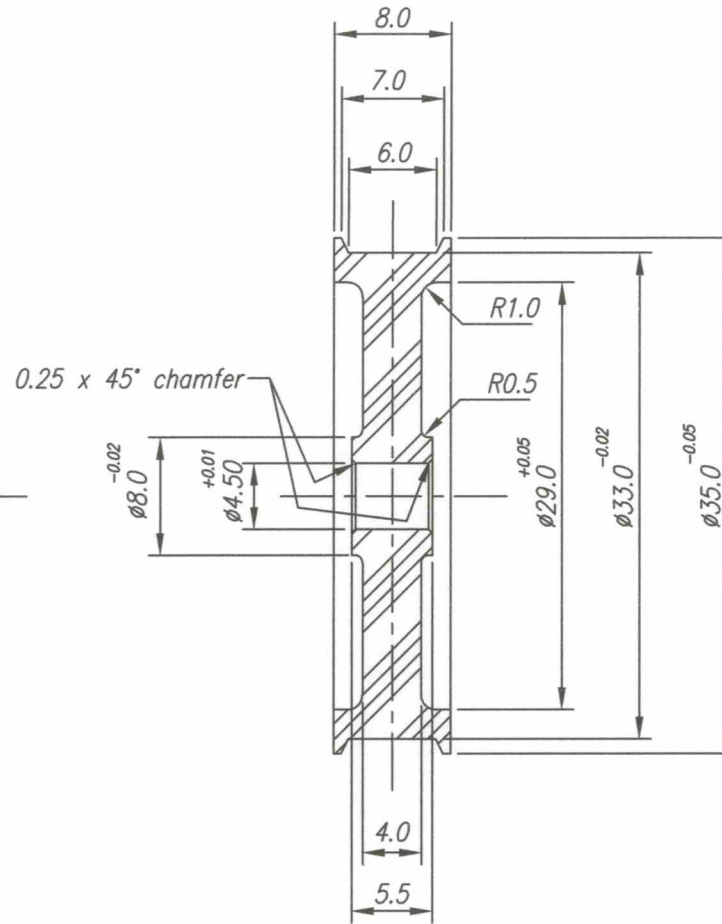
Date	SEPT 2021	Scale	NTS	RAIL AND CART SYSTEM	
Conceptualized by					
Drawn by	B.C. Lisondra	Item Name	DYNAMIC CART - SHAFT(AXLE)		Sheet
Designed by		Material	Stainless Steel, AISI 304/304L or its equivalent		File name
		Checked by	J.N. Alfoja		ADcart004
Recommended by	A.B. Ybañez		 <b>DepED-BLR</b>		
Approved by	R. C. La Rosa				

SYM	REVISION	DATE	BY

BATCH "B"



FRONT VIEW



SECTION thru' "A"


- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20  $\mu\text{m}$

GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	Over 0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

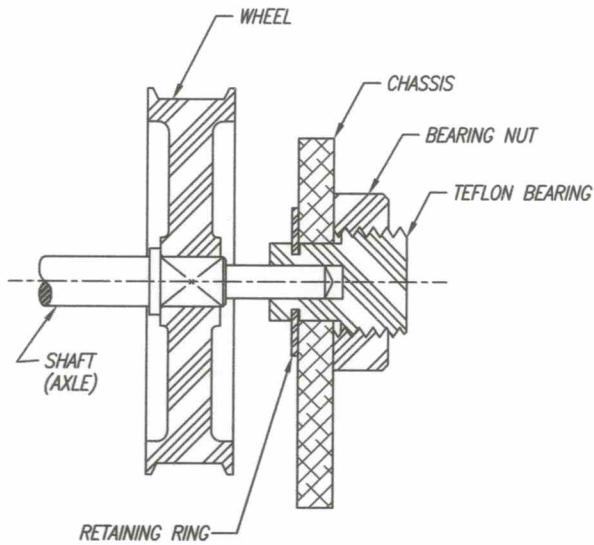
  

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	Over 0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth Medium		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$

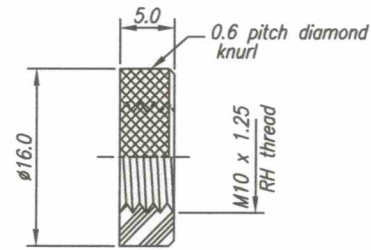
Date	SEPT 2021	Scale	NTS	<b>RAIL AND CART SYSTEM</b>	
Conceptualized by					
Drawn by	B.C. Lisonda			Material	ABS Thermoplastic color Black
Designed by	Q.S. Checked by			File name	ADcart005
Recommended by	J.N. Ajida			 <b>DepED-BLR</b>	
Approved by	A.B. Ybanez				
	R. C. La Rosa				

SYM	REVISION	DATE	BY

BATCH "B"

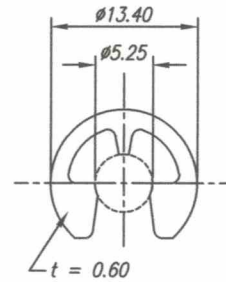


WHEEL, AXLE & BEARING ASSEMBLY

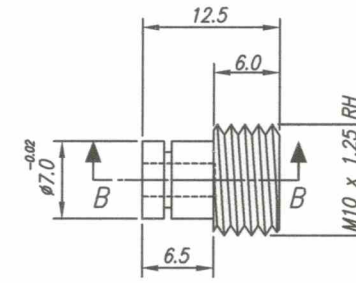


half section

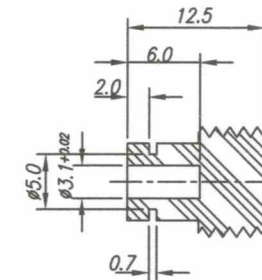
BEARING NUT  
Material: Nylon 6/6



RETAINING RING  
Material: Stainless Steel  
(Market Item)



PLAN




SECTION B-B

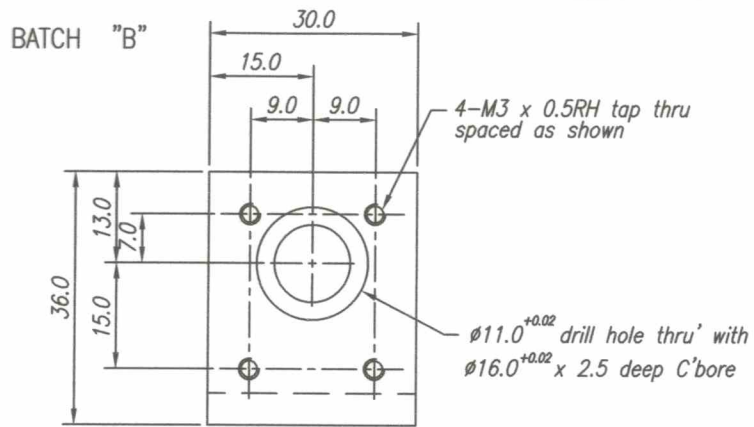
TEFLON BEARING

- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20  $\mu$ m

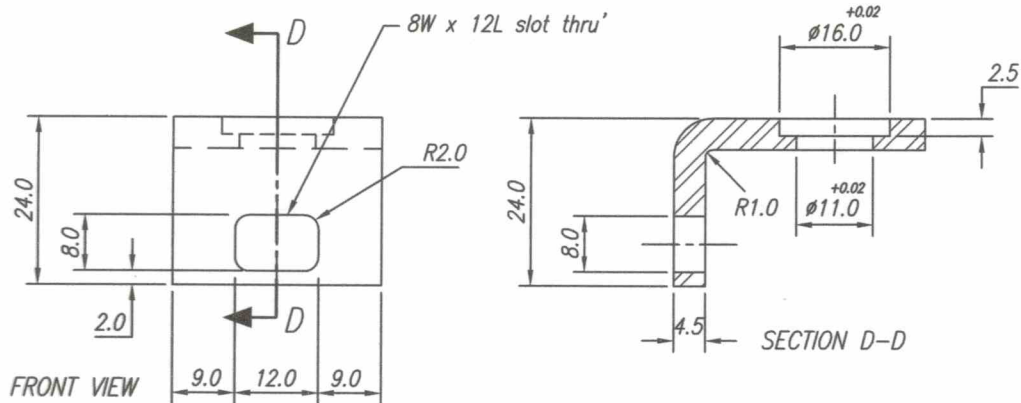
GOVERNMENT PROPERTY

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$
TOLERANCES FOR RADIUS & CHAMFERS						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$	
Medium						

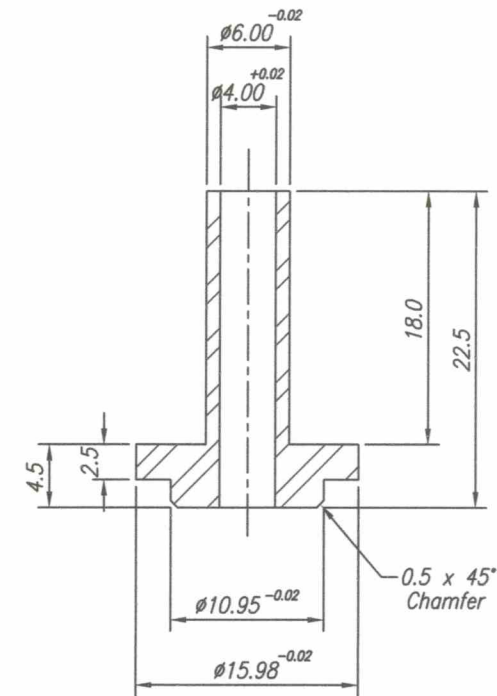
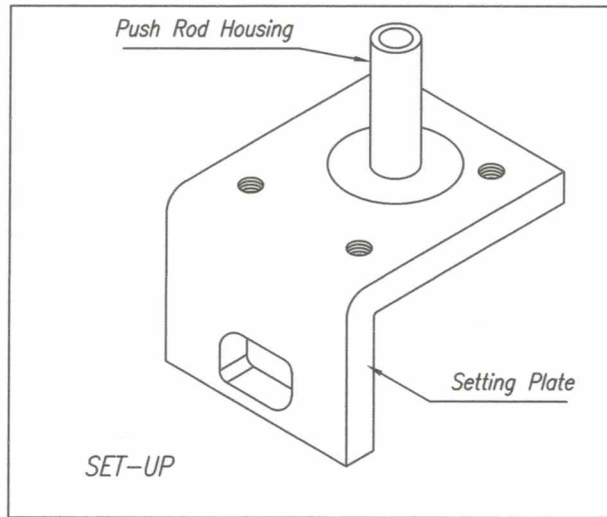
Date	SEPT 2021	Scale	NTS	RAIL AND CART SYSTEM	
Conceptualized by					
Drawn by	B.C. Lisondra	Q.C. Checked by	J.N. Añoja	Material	File name
Designed by		Recommended by	A.B. Ybañez	WHEEL, AXLE & BEARING ASSEMBLY	ADcart006
Approved by	R. C. La Rosa			<p>DepED-BlR</p>	



TOP VIEW



PUSH ROD HOUSING SETTING PLATE  
Material: Stainless Steel, AISI 304/304L or its equivalent




PUSH ROD HOUSING

Material: Stainless Steel, AISI 304/304L or its equivalent

- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20  $\mu$ m

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	RAIL AND CART SYSTEM	
Conceptualized by					
Drawn by	B. C. Lisondia	Q.C. Checked by	J.N. Ajoja	Material	as shown above
Designed by				File name	ADcart008
Recommended by	A.B. Ybariez			 <b>DepED-BlR</b>	
Approved by	R. C. La Roca				

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

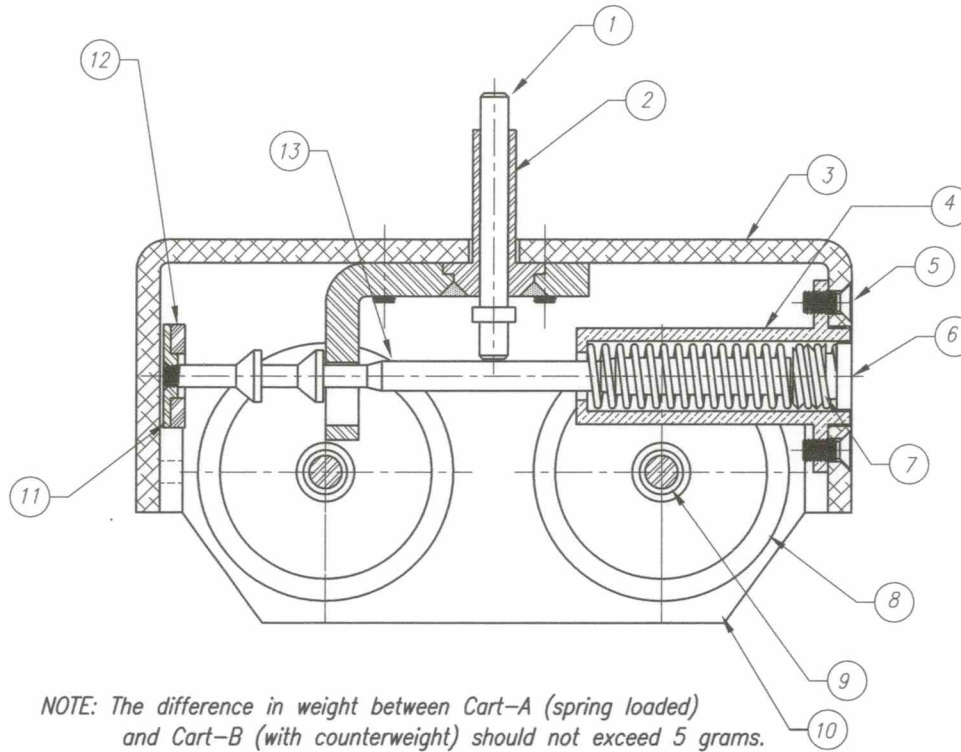
TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$

SYM	REVISION	DATE	BY



BATCH "B"


ITEM	DESCRIPTION	QTY.
1	PUSH ROD	1 pc.
2	PUSH ROD HOUSING	1 pc.
3	CART BODY	1 pc.
4	SPRING HOUSING	1 pc.
5	M3x0.5x5mmL C'sunk Screw	4 pcs.
6	SPRING PAD	1 pc.
7	SPRING	1 pc.
8	WHEEL	4 pcs.
9	SHAFT (AXLE)	2 pcs.
10	CHASSIS	2 pcs.
11	STOPPER PLATE	1 pc.
12	RUBBER PAD	1 pc.
13	CONNECTING ROD	1 pc.



NOTE: The difference in weight between Cart-A (spring loaded) and Cart-B (with counterweight) should not exceed 5 grams.

**DYNAMIC CART "A" ASSEMBLY DRAWING**  
w/ CONNECTING ROD ON SUPPRESSED POSITION (SRING LOADED)

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	<b>RAIL AND CART SYSTEM</b>	
Conceptualized by					
Drawn by	B.C. Lisondra			Material	
Designed by				Q.C. Checked by	J.N. Arida
Recommended by	A.B. Ybanez			File name	ADcart009
Approved by	R. C. La Rosa			 <b>DepED-BLR</b>	

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

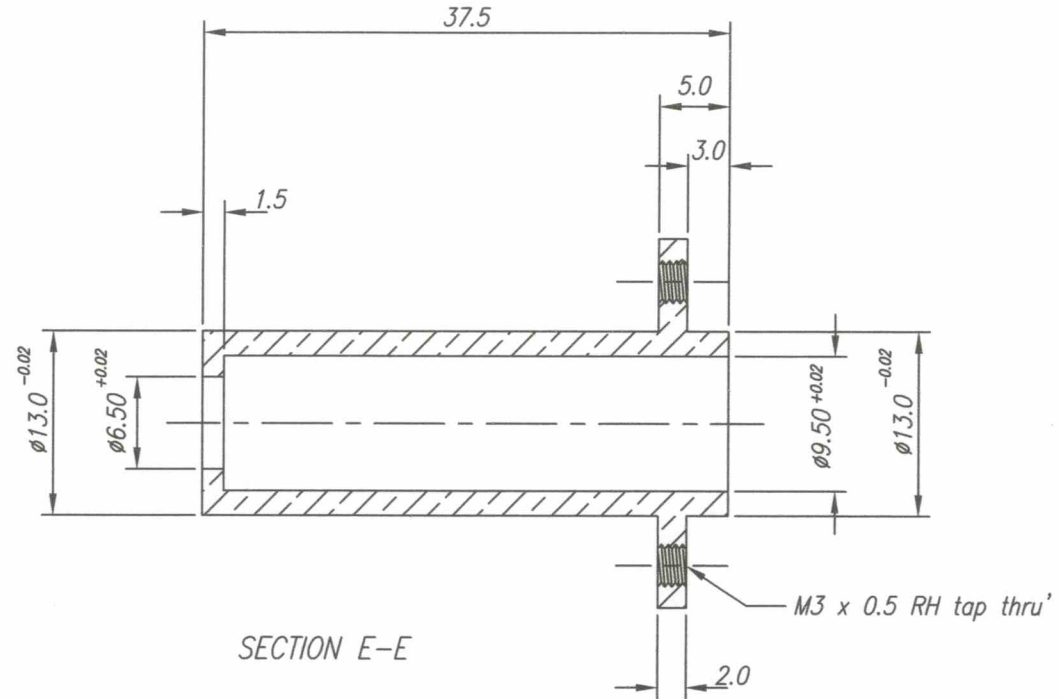
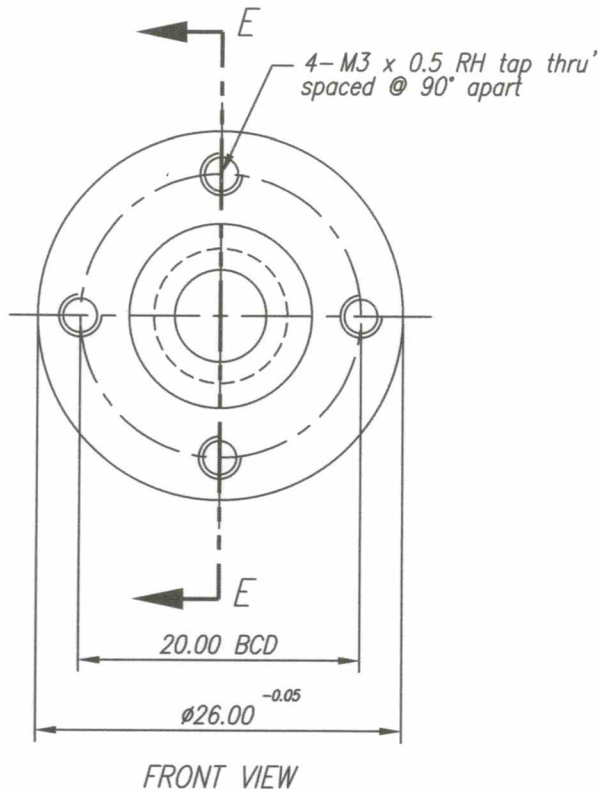
  

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium					


SYM	REVISION	DATE	BY

BATCH "B"



- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20  $\mu m$

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	
Conceptualized by				
Drawn by	B.C. Lisondra	Item Name	DYN. CART - A : SPRING HOUSING	
Designed by		Material	Aluminum Bronze, SAE 701B	Sheet
Q.C. Checked by	J.N. Aljoja	File name	ADcart010	
Recommended by	A.B. Ybañez	 <b>DepED-BlR</b>		
Approved by	R. C. La Rosa			

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

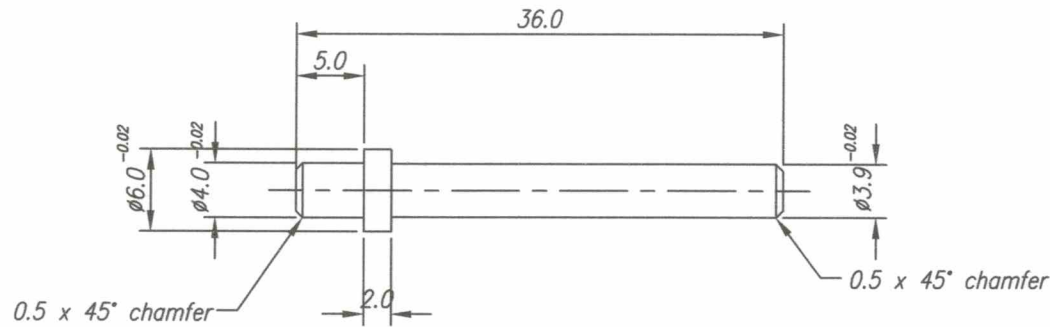
  

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$

SYMBOL	REVISION	DATE	BY




BATCH "B"



- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20  $\mu$ m

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	<b>RAIL AND CART SYSTEM</b>			
Conceptualized by						Item Name	DYN. CART A - PUSH ROD
Drawn by	B.C. Lisondra			Material	Stainless Steel, AISI 304/304L or its equivalent	File name	ADcart012
Designed by	Q.C. Checked by						
	J.N. Arjoja						
Recommended by	A.B. Ybañez			 <b>DepED-BlR</b>			
Approved by	R. C. La Rosa						

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

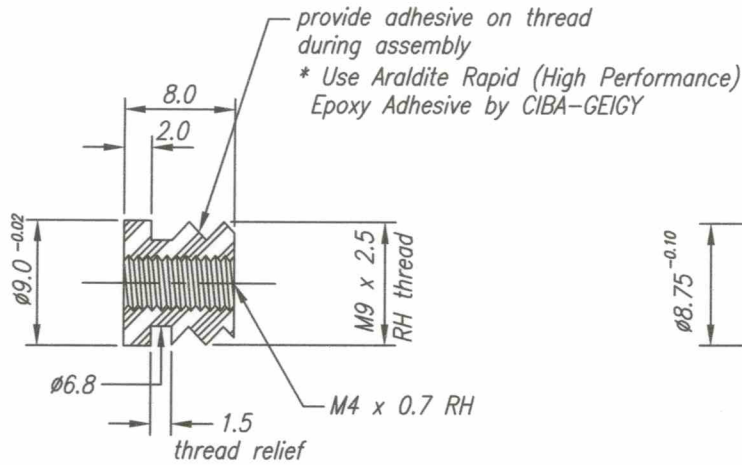
TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium					

SYM	REVISION	DATE	BY

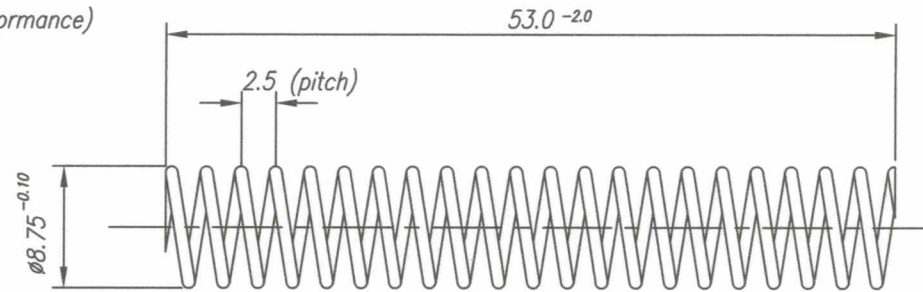


BATCH "B"



**SPRING PAD**

Material: ABS Thermoplastic  
Color: White




**COMPRESSION SPRING**

(Open Ends, Ground, Right-Hand Helix)  
Outside Diameter = 8.75<sup>-0.10</sup>mm  
Pitch = 2.50mm  
Wire Diameter = 0.90mm  
Free Length of Spring = 53.00<sup>-2.00</sup>mm  
Material:  $\phi$ 0.90mm Stainless Steel Spring Wire  
(AISI 302 - 0.08C ; 0.6 Si ; 1.2 Mn ; 18 Cr ; 9 Ni)

- \* Dimensions are in millimeters except otherwise specified.
- \* Smoothen all sharp edges.
- \* Surface Roughness @ 1.00 to 1.20  $\mu$ m

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	
Conceptualized by			<b>RAIL AND CART SYSTEM</b>	
Drawn by	B.C. Lisondra			
Designed by	S.C. Checked by		Item Name	DYN. CART A - SPRING & PAD
Recommended by	J.N. Arioja		Material	
Approved by	A.B. Ybañez		File name	ADcart013
Approved by	R. C. La Rosa		 <b>DepED-BLR</b>	

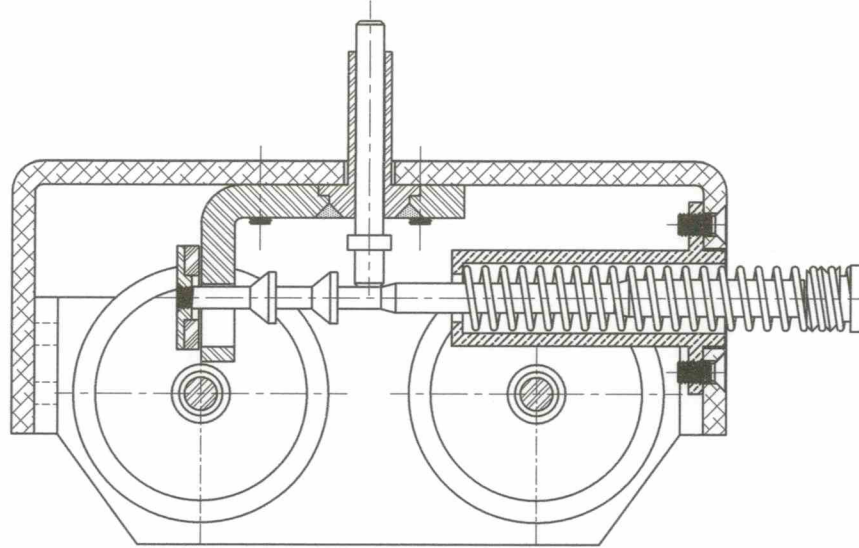
TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		$\pm 0.10$	$\pm 0.10$	$\pm 0.20$	$\pm 0.30$	$\pm 0.50$

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$
Medium		$\pm 0.20$	$\pm 0.50$	$\pm 1.00$	$\pm 2.00$

SYM	REVISION	DATE	BY


BATCH "B"



NOTE: The difference in weight between Cart-A (spring loaded) and Cart-B (with counterweight) should not exceed 5 grams.

*DYNAMIC CART "A" ASSEMBLY DRAWING  
w/ CONNECTING ROD ON RELEASED POSITION (SPRING LOADED)*

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	<b>RAIL AND CART SYSTEM</b>	
Conceptualized by					
Drawn by	B.C. Lisondra			Material	
Designed by	J.N. Arriola			Checked by	
Recommended by	A.B. Ybañez			File name	ADcart014
Approved by	R. C. La Rosa			 <b>DepED-BLR</b>	

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		± 0.20	± 0.50	± 1.00	± 2.00
Medium					

SYM	REVISION	DATE	BY