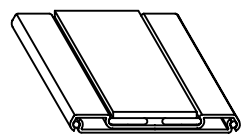


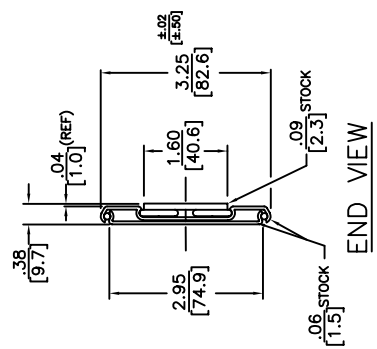
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NOTES:

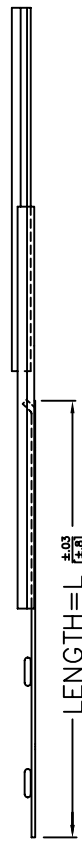
- 1. SLIDE SHOWN TO BE USED AS LEFT HAND SLIDE. WHEN USED AS A RIGHT HAND SLIDE REAR LOCK WILL BE ON BOTTOM SIDE.
- 2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE FOR BRACKETS, SEE BRACKETRY SECTION.
- 3. SLIDE LOCKS IN OPEN POSITION ONLY AND IS PROVIDED WITH QUICK DISCONNECT OF CHASSIS SECTION, DEPRESS BUTTON TO EITHER CLOSE SLIDE OR TO REMOVE CHASSIS SECTION.
- 4. THIS SET OF ROLLERS NOT SUPPLIED ON SLIDE 1100D-12-1.
- 5. CABINET SECTION PART NUMBER: 1100D/QDP-(LENGTH)-A1
- 6. CHASSIS SECTION PART NUMBER: 1100D-(LENGTH)-B
- 7. ORDERING INFORMATION: INDIVIDUAL SLIDE SECTIONS MAY BE PURCHASED AS DESCRIBED IN NOTES 6 AND 7. TO ORDER A COMPLETE SLIDE ASSEMBLY WHICH INCLUDES BOTH CHASSIS AND CABINET SECTIONS SPECIFY PART NUMBER: 1100D-(LENGTH)-1
- 8. USE NUMBER TO PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
- 9. THIS SLIDE MECHANISM IS DESIGNED FOR USE ON CHASSIS THAT HAVE FRONT PANELS. CONTACT JONATHAN IN THE EVENT THAT THE CHASSIS DOES NOT HAVE A FRONT PANEL.
- 10. SLIDE 1100D-18-1 THRU 1100D-24-1 PROVIDED WITH EXTRA SET OF ROLLERS NOT SHOWN ON THIS DRAWING.



ISOMETRIC REPRESENTATION



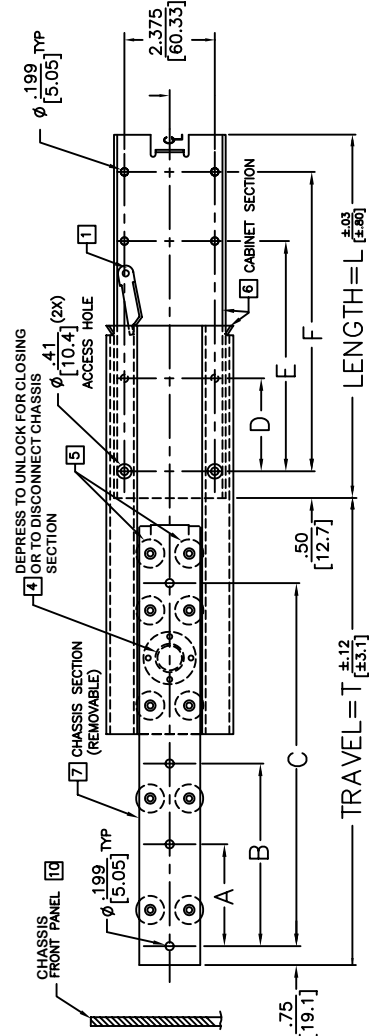
END VIEW



LENGTH = L  $\pm .03$  [±.00]

TRAVEL = T  $\pm .12$  [±.31]

LENGTH = L  $\pm .03$  [±.00]



PART NO.	SLIDE LENGTH	DIM. T	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR
			INNER CHANNEL A	INNER CHANNEL B	INNER CHANNEL C	OUTER CHANNEL D	OUTER CHANNEL E	OUTER CHANNEL F	
1100D-12-1	12	15	3.500	6.250	10.500	3.000	7.000	11.000	125 LBS
	305	381	88.90	158.80	266.70	76.20	177.80	279.40	57 KG
1100D-14-1	14	17	4.000	7.250	12.000	4.000	9.000	13.000	125 LBS
	356	432	101.60	184.20	304.80	101.60	228.60	330.20	57 KG
1100D-16-1	16	19	5.000	8.250	14.000	5.000	10.000	15.000	120 LBS
	406	483	127.00	209.60	355.60	127.00	254.00	381.00	55 KG
1100D-18-1	18	21	5.000	9.250	16.000	6.000	11.000	17.000	120 LBS
	457	533	127.00	235.00	406.40	152.40	279.40	431.80	55 KG
1100D-20-1	20	23	6.000	10.250	18.000	6.000	13.000	19.000	120 LBS
	508	584	152.40	260.40	457.20	152.40	330.20	482.60	55 KG
1100D-22-1	22	25	8.000	16.250	20.000	7.000	14.000	21.000	100 LBS
	559	635	203.20	412.80	508.00	177.80	355.60	533.40	45 KG
1100D-24-1	24	27	8.000	17.250	22.000	8.000	15.000	23.000	100 LBS
	610	686	203.20	438.20	558.80	203.20	381.00	584.20	46 KG

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DIMENSIONS SHOWN AS:	IN.	[MM]
TOLERANCE UNLESS OTHERWISE NOTED	.XX	±.030
.XX	[±.8]	
.XXX	±.010	
.XX	[±.25]	
ANGLES	±1°	

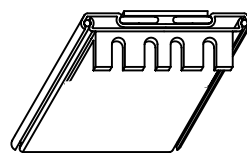
SERIES DESCRIPTION:  
 1100QD-1 STEEL  
 SERIES 1100QD-1  
 LOAD RATING: 100-125 LBS./ 46-57 KG.  
 DATE: 1/11

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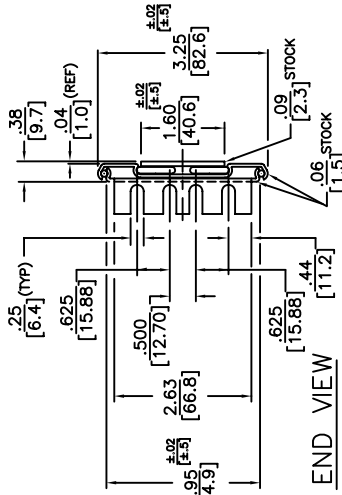
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**NOTES:**

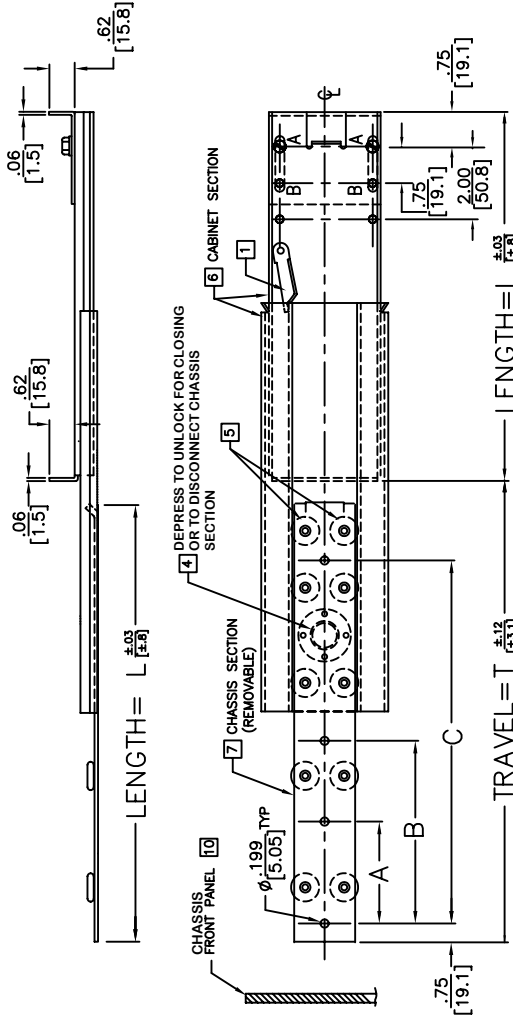
1. SLIDE SHOWN TO BE USED AS LEFT HAND SLIDE. WHEN USED AS A RIGHT HAND SLIDE REAR LOCK WILL BE ON BOTTOM SIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. SLIDE PROVIDED WITH BRACKETS SHOWN. FOR EXTENDED BRACKET, SEE BRACKETRY SECTION.
4. SLIDE LOCKS IN OPEN POSITION ONLY AND IS PROVIDED WITH QUICK DISCONNECT OF CHASSIS SECTION. DEPRESS BUTTON TO EITHER CLOSE SLIDE OR TO REMOVE CHASSIS SECTION.
5. THIS SET OF ROLLERS NOT SUPPLIED ON SLIDE 1100Q-12-2.
6. CABINET SECTION PART NUMBER: 1100Q/QDP-(LENGTH)-A2
7. CHASSIS SECTION PART NUMBER: 1100Q-(LENGTH)-B
8. ORDERING INFORMATION: INDIVIDUAL SLIDE SECTIONS MAY BE PURCHASED AS DESCRIBED IN NOTES 6 AND 7. TO ORDER A COMPLETE SLIDE ASSEMBLY WHICH INCLUDES BOTH CHASSIS AND CABINET SECTIONS SPECIFY PART NUMBER: 1100Q-(LENGTH)-2 WITH EXTRA SET OF ROLLERS NOT SHOWN ON THIS DRAWING.
9. THIS SET OF MECHANISM IS DESIGNED FOR USE ON CHASSIS THAT HAVE FRONT PANEL CONTACT JONATHAN IN THE EVENT THAT THE CHASSIS DOES NOT HAVE A FRONT PANEL.
10. ADJUSTMENT RANGE OF REAR BRACKET (SPO-440) UTILIZING TWO HOLES AT REAR (A) SLIDE LENGTH -25 IN TO +2.00 IN
11. UTILIZING FOUR HOLES AT REAR (A & B) SLIDE LENGTH -6.4 MM TO +50.8 MM
12. USE NUMBER 10 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE INNER CHANNEL.



ISOMETRIC REPRESENTATION



END VIEW



TRAVEL = T ±.12 [±.03]

LENGTH = L ±.03 [±.03]

PART NO.	SLIDE LENGTH	SLIDE TRAVEL DIM.	MOUNTING HOLE PATTERN			LOAD RATING
			INNER CHANNEL	INNER CHANNEL	INNER CHANNEL	
SERIES	LENGTH	DIM.	A	B	C	PER PAIR
1100Q-12-2	12	15/305	3.500/88.90	6.250/158.80	10.500/266.70	125 LBS/57 KG
1100Q-14-2	14	17/356	4.000/101.60	7.250/184.20	12.000/304.80	125 LBS/57 KG
1100Q-16-2	16	19/406	5.000/127.00	8.250/209.60	14.000/355.60	120 LBS/55 KG
1100Q-18-2	18	21/457	5.000/127.00	9.250/235.00	16.000/406.40	120 LBS/55 KG
1100Q-20-2	20	23/508	6.000/152.40	10.250/260.40	18.000/457.20	120 LBS/55 KG
1100Q-22-2	22	25/559	8.000/203.20	16.250/412.80	20.000/508.00	100 LBS/45 KG
1100Q-24-2	24	27/610	8.000/203.20	17.250/438.20	22.000/558.80	100 LBS/46 KG



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DIMENSIONS SHOWN AS:	DESCRIPTION:
IN.	STEEL
MM	SERIES 1100Q-2
TOLERANCE UNLESS OTHERWISE NOTED	LOAD RATING: 100-125 LBS./ 46-57 KG.
.XX [±.8]	
.XXX [±.8]	
.XX [±.25]	
ANGLES ±1°	

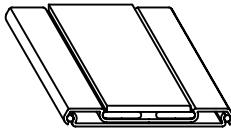
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1 2 3 4 5 6

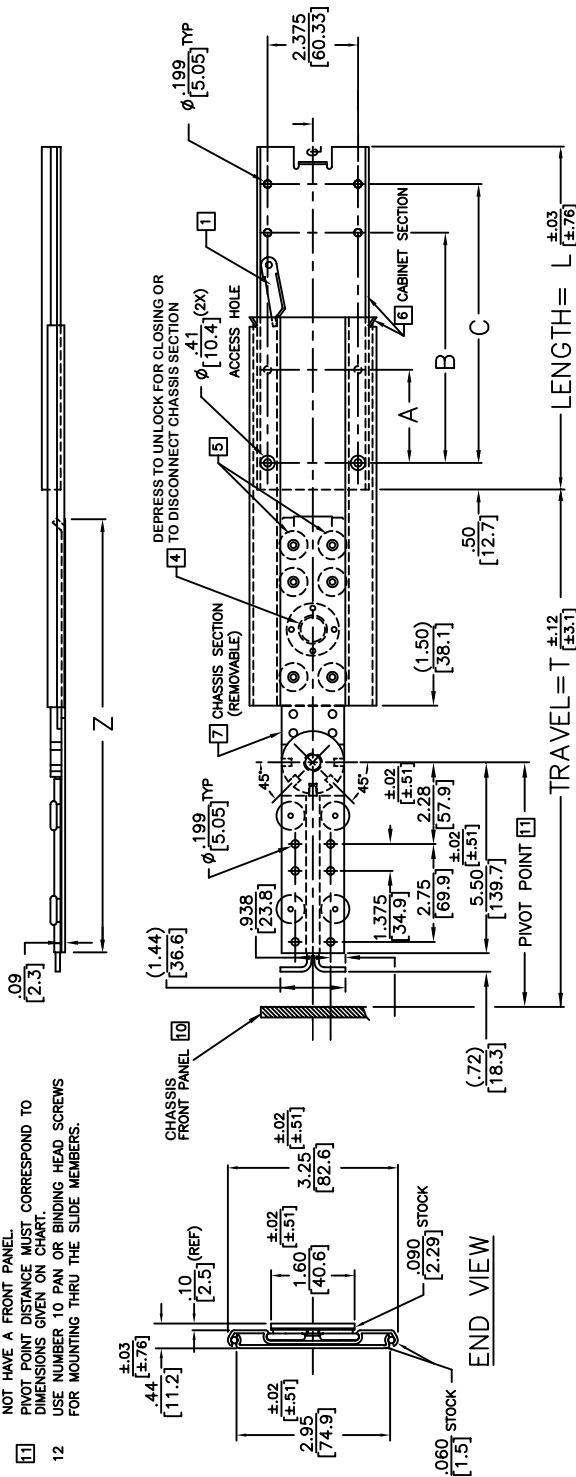
**NOTES:**

- 1 SLIDE SHOWN TO BE USED AS LEFT HAND SLIDE. WHEN USED AS A RIGHT HAND SLIDE REAR LOCK WILL BE ON BOTTOM SIDE.
- 2 HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
- 3 FOR BRACKETS, SEE BRACKETRY SECTION.
- 4 SLIDE LOCKS IN OPEN POSITION ONLY AND IS PROVIDED WITH QUICK DISCONNECT OF CHASSIS SECTION. DEPRESS BUTTON TO EITHER CLOSE SLIDE OR TO REMOVE CHASSIS SECTION.
- 5 THIS SET OF ROLLERS NOT SUPPLIED ON SLIDE 110QDP-12-1.
- 6 CABINET SECTION PART NUMBER: 110QDP-(LENGTH)-A1
- 7 CHASSIS SECTION PART NUMBER: 110QDP-(LENGTH)-B

- 8. ORDERING INFORMATION: INDIVIDUAL SLIDE SECTIONS MAY BE PURCHASED AS DESCRIBED IN FIGURE 7 TO ORDER A COMPLETE SUBASSEMBLY WHICH INCLUDES BOTH CHASSIS AND CABINET SECTIONS SPECIFY PART NUMBER: 110QDP-(LENGTH)-1
- 9. SLIDE 110QDP-18-1 THRU 110QDP-24-1 PROVIDED WITH EXTRA SET OF ROLLERS NOT SHOWN ON THIS DRAWING.
- 10 THIS SLIDE MECHANISM IS DESIGNED FOR USE ON CHASSIS THAT HAVE FRONT PANELS CONTACT JONATHAN IN THE EVENT THAT THE CHASSIS DOES NOT HAVE A FRONT PANEL.
- 11 PIVOT POINT DISTANCE MUST CORRESPOND TO DIMENSIONS GIVEN ON CHART.
- 12 USE NUMBER 10 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.



ISOMETRIC REPRESENTATION



PART NO.	SLIDE LENGTH DIM.	SLIDE TRAVEL DIM.	INNER CHANNEL DIM.	PIVOT POINT	MOUNTING HOLE PATTERN	LOAD RATING
110QDP-12-1	12	15.5	11.00	6.50	3.000 7.000 11.000	125 LBS
	304.8	394	279.4	165.1	76.20 177.80 279.40	57 KG
110QDP-14-1	14	17	12.50	7.00	4.000 9.000 13.000	125 LBS
	355.6	432	317.5	177.8	101.60 228.60 330.20	57 KG
110QDP-16-1	16	19	13.50	8.00	5.000 10.000 15.000	120 LBS
	406.4	483	342.9	203.2	127.00 254.00 381.00	55 KG
110QDP-18-1	18	21	14.50	9.00	6.000 11.000 17.000	120 LBS
	457.2	533	368.3	228.6	152.40 279.40 431.80	55 KG
110QDP-20-1	20	23	15.50	10.00	7.000 13.000 19.000	120 LBS
	508	584	393.7	254	177.80 330.20 492.60	55 KG
110QDP-22-1	22	25	16.50	11.00	8.000 14.000 21.000	100 LBS
	558.8	635	419.1	279.4	203.20 355.60 513.40	45 KG
110QDP-24-1	24	27	17.50	12.00	9.000 15.000 23.000	100 LBS
	609.6	686	444.5	304.8	230.20 381.00 534.20	46 KG



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DESCRIPTION:

SERIES  
 110QDP-1

STEEL

SERIES 110QDP-1

LOAD RATING: 100-125 LBS./ 46-57 KG.

DATE:  
 1/11

ANGLES ±1°

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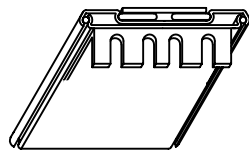
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**NOTES:**

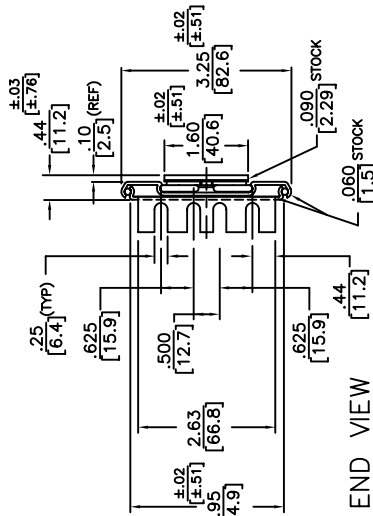
1. SLIDE TO BE USED AS LEFT HAND SLIDE WHEN USED AS A RIGHT HAND SLIDE REAR LOCK WILL BE ON BOTTOM SIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. SLIDE IS PROVIDED WITH BRACKETS SHOWN. FOR EXTENDED BRACKET, SEE BRACKETRY SECTION.
4. SLIDE LOCKS IN OPEN POSITION ONLY AND IS PROVIDED WITH QUICK DISCONNECT OF CHASSIS SECTION. DEPRESS BUTTON TO EITHER CLOSE SLIDE OR TO REMOVE CHASSIS SECTION.
5. THIS SET OF ROLLERS NOT SUPPLIED ON SLIDE 110QDP-12-2.
6. CABINET SECTION PART NUMBER: 110QDP-(LENGTH)-A2
7. CHASSIS SECTION PART NUMBER: 110QDP-(LENGTH)-B

8. ORDERING INFORMATION: INDIVIDUAL SLIDE SECTIONS MAY BE PURCHASED AS DESCRIBED IN NOTES 7 AND 8. TO ORDER A COMPLETE SLIDE ASSEMBLY WHICH INCLUDES BOTH CHASSIS AND CABINET SECTIONS SPECIFY PART NUMBER: 110QDP-(LENGTH)-2
9. SLIDE 110QDP-18-2 THRU 110QDP-24-2 PROVIDED WITH EXTRA SET OF ROLLERS NOT SHOWN ON THIS DRAWING.
10. THIS SLIDE MECHANISM IS DESIGNED FOR USE ON CHASSIS THAT HAVE FRONT PANELS CONTACT JONATHAN IN THE EVENT THAT THE CHASSIS DOES NOT HAVE A FRONT PANEL.
11. PIVOT POINT DISTANCE MUST CORRESPOND TO DIMENSIONS GIVEN ON CHART.
12. ADJUSTMENT RANGE OF REAR BRACKET (SPO-440) UTILIZING TWO HOLES AT REAR (A & B) SLIDE LENGTH -25 IN TO +50.8 MM  
-6.4 MM TO +31.8 MM

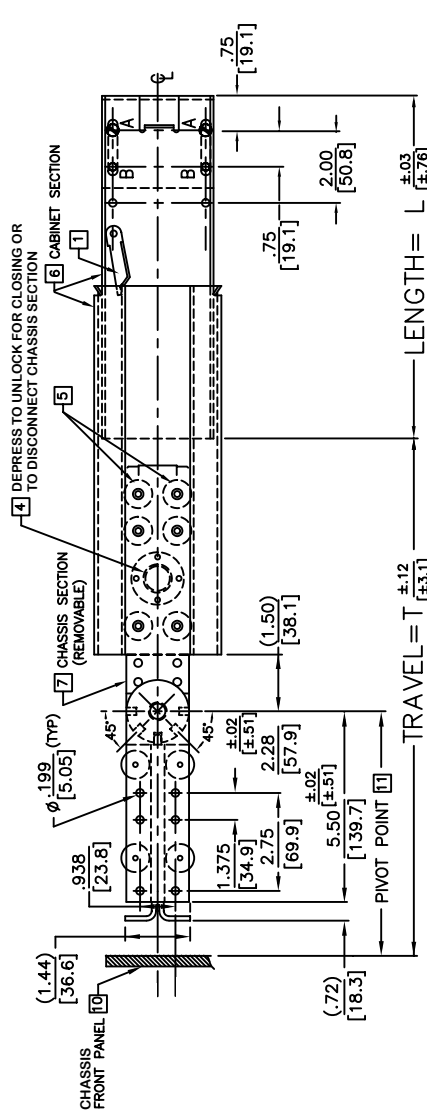
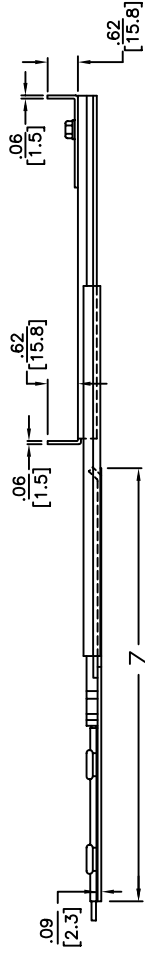
13. USE NUMBER 10 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE INNER CHANNEL.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SLIDE LENGTH DIM.	SLIDE TRAVEL DIM.	INNER CHANNEL DIM.	PIVOT POINT DIM.	LOAD RATING
110QDP-12-2	12	15.5	11.00	6.50	125 LBS
	304.8	394	279.4	165.1	57 KG
110QDP-14-2	14	17	12.50	7.00	125 LBS
	355.6	432	317.5	177.8	57 KG
110QDP-16-2	16	19	13.50	8.00	120 LBS
	406.4	483	342.9	203.2	55 KG
110QDP-18-2	18	21	14.50	9.00	120 LBS
	457.2	533	368.3	228.6	55 KG
110QDP-20-2	20	23	15.50	10.00	120 LBS
	508	584	393.7	254	55 KG
110QDP-22-2	22	25	16.50	11.00	100 LBS
	558.8	635	419.1	279.4	45 KG
110QDP-24-2	24	27	17.50	12.00	100 LBS
	609.6	686	444.5	304.8	46 KG



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DESCRIPTION:

STEEL  
SERIES 110QDP-2  
LOAD RATING: 100-125 LBS./ 46-57 KG.

SERIES

110QDP-2

DIMENSIONS SHOWN AS:

[MM]  
TOLERANCE UNLESS OTHERWISE NOTED  
-XX ±.030  
X ±.010  
-XX ±.25

ANGLES

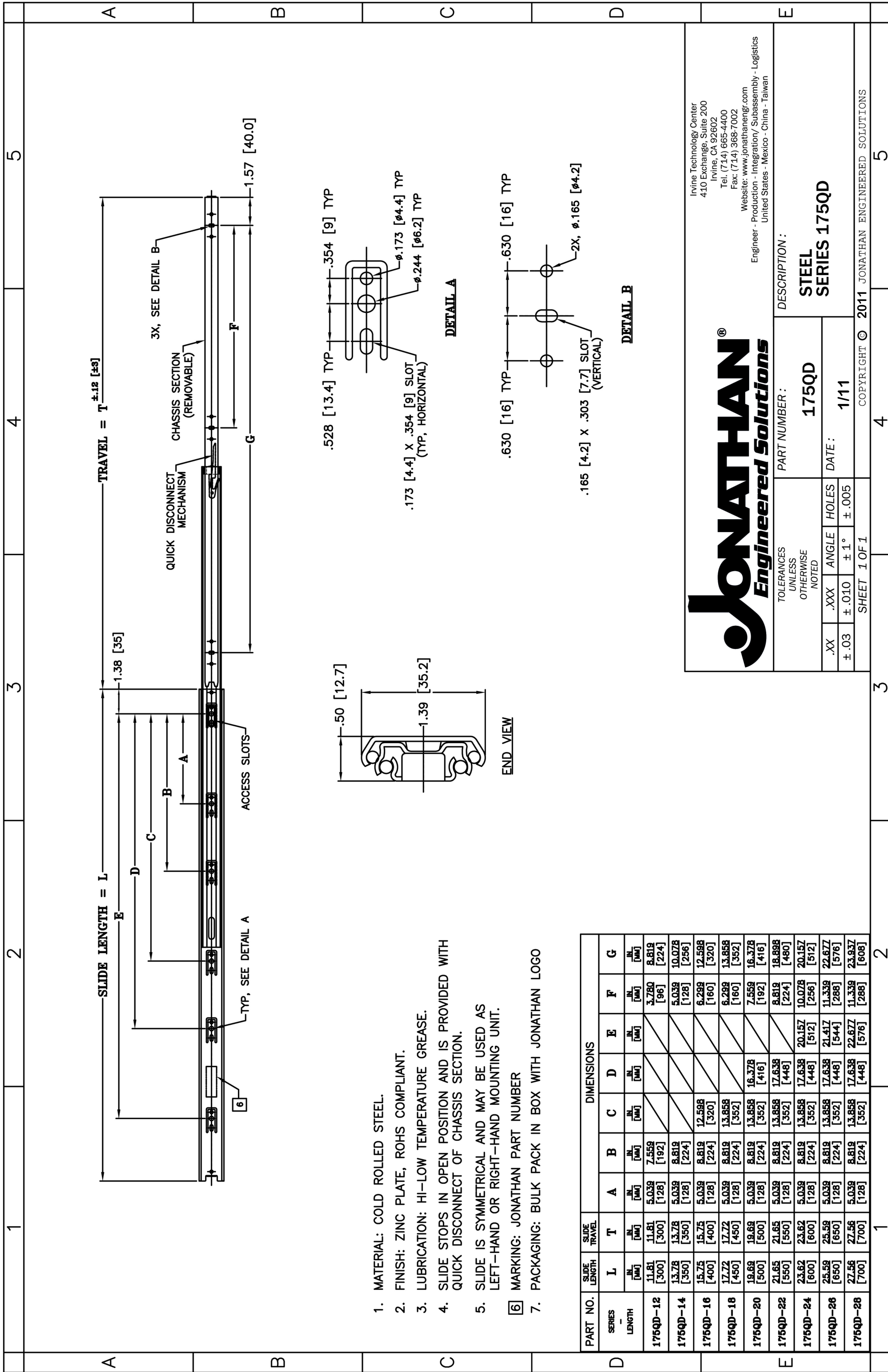
±1°

DATE:

1/11

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1. MATERIAL: COLD ROLLED STEEL.
2. FINISH: ZINC PLATE, ROHS COMPLIANT.
3. LUBRICATION: HI-LOW TEMPERATURE GREASE.
4. SLIDE STOPS IN OPEN POSITION AND IS PROVIDED WITH QUICK DISCONNECT OF CHASSIS SECTION.
5. SLIDE IS SYMMETRICAL AND MAY BE USED AS LEFT-HAND OR RIGHT-HAND MOUNTING UNIT.
- 6 MARKING: JONATHAN PART NUMBER
7. PACKAGING: BULK PACK IN BOX WITH JONATHAN LOGO

PART NO.	SLIDE LENGTH	SLIDE TRAVEL	DIMENSIONS								
			L	T	A	B	C	D	E	F	G
175QD-12	11.81 [300]	11.81 [300]	5.039 [128]	7.559 [192]					3.780 [96]	8.819 [224]	8.819 [224]
175QD-14	13.78 [350]	13.78 [350]	5.039 [128]	8.819 [224]					5.039 [128]	10.078 [256]	10.078 [256]
175QD-16	15.75 [400]	15.75 [400]	5.039 [128]	8.819 [224]	12.598 [320]				6.299 [160]	12.598 [320]	12.598 [320]
175QD-18	17.72 [450]	17.72 [450]	5.039 [128]	8.819 [224]	13.858 [352]				6.299 [160]	13.858 [352]	13.858 [352]
175QD-20	19.69 [500]	19.69 [500]	5.039 [128]	8.819 [224]	13.858 [352]	16.378 [416]			7.559 [192]	16.378 [416]	16.378 [416]
175QD-22	21.65 [550]	21.65 [550]	5.039 [128]	8.819 [224]	13.858 [352]	17.638 [448]			8.819 [224]	18.898 [480]	18.898 [480]
175QD-24	23.62 [600]	23.62 [600]	5.039 [128]	8.819 [224]	13.858 [352]	17.638 [448]	20.157 [512]		10.078 [256]	20.157 [512]	20.157 [512]
175QD-26	25.59 [650]	25.59 [650]	5.039 [128]	8.819 [224]	13.858 [352]	17.638 [448]	21.417 [544]		11.339 [288]	22.677 [576]	22.677 [576]
175QD-28	27.56 [700]	27.56 [700]	5.039 [128]	8.819 [224]	13.858 [352]	17.638 [448]	22.677 [576]		11.339 [288]	23.937 [608]	23.937 [608]

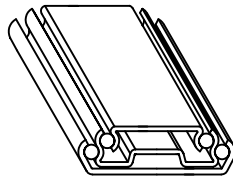


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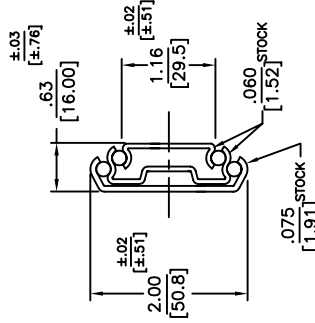
TOLERANCES UNLESS OTHERWISE NOTED		PART NUMBER: 175QD		DESCRIPTION: STEEL SERIES 175QD	
.XX	.XXX	ANGLE	HOLES	DATE:	1/11
±.03	±.010	± 1°	±.005	SHEET 1 OF 1	

**NOTES:**

1. THE SLIDE IS SYMMETRICAL. MAY BE USED AS A LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN THOSE SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "E.L.A./REINA" BRACKETS, SEE BRACKETRY SECTION.
4. NON-METALLIC STOPS OPEN AND CLOSED ARE PROVIDED.
5. SLIDE CAN BE PROVIDED WITH A LOCK OPEN FEATURE (SEE NOTE 8).
6. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
7. SLIDE IS SUITABLE FOR UNDERMOUNT.
8. SLIDE PART NUMBER 310L-XX HAS NO LOCK. SLIDE PART NUMBER 310L-XX HAS A LOCK-OPEN FEATURE.



ISOMETRIC REPRESENTATION



END VIEW

PART NO.	SERIES	SLIDE LENGTH	SLIDE TRAVEL	MOUNTING HOLE PATTERN						LOAD RATING	
				INNER CHANNEL	OUTER CHANNEL	HOLE PATTERN					
		L	T	A	B	C	D	E	F	G	PER PAIR
310-12		12	13	3.000	7.000	10.000	3.000	7.500	9.500	10.500	135 LBS
310L-12		304.8	330	76.20	177.80	254.00	76.20	190.50	241.30	266.70	61 KG
310-14		14	15	4.000	8.000	12.000	3.500	8.500	11.500	12.500	131 LBS
310L-14		355.6	381	101.60	203.20	304.80	88.90	215.90	292.10	317.90	60 KG
310-16		16	17	5.000	9.000	14.000	5.000	9.500	13.500	14.500	128 LBS
310L-16		406.4	432	127.00	228.60	355.60	127.00	241.30	342.90	368.30	58 KG
310-18		18	19	5.000	11.000	16.000	5.000	11.500	15.500	16.500	125 LBS
310L-18		457.2	483	127.00	279.40	406.40	127.00	292.10	393.70	419.10	57 KG
310-20		20	21	6.000	12.000	18.000	6.000	12.500	17.500	18.500	120 LBS
310L-20		508	533	152.40	304.80	457.20	152.40	317.50	444.50	469.90	55 KG
310-22		22	23	7.000	13.000	20.000	7.000	13.500	19.500	20.500	115 LBS
310L-22		558.8	584	177.80	350.20	508.00	177.80	342.90	495.30	520.70	52 KG
310-24		24	25	7.000	15.000	22.000	7.000	15.500	21.500	22.500	110 LBS
310L-24		609.6	635	177.80	381.00	558.80	177.80	393.70	546.10	571.50	50 KG
310-26		26	27	8.000	16.000	24.000	8.000	16.500	23.500	24.500	105 LBS
310L-26		660.4	686	203.20	406.40	609.60	203.20	419.10	595.90	622.30	48 KG
310-28		28	29	9.000	17.000	26.000	9.000	17.500	25.500	26.500	100 LBS
310L-28		711.2	737	228.60	451.80	660.40	228.60	444.50	647.70	673.10	46 KG

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DIMENSIONS SHOWN AS:

IN.	[MM]
TOLERANCE UNLESS OTHERWISE NOTED	
.XX	±.030
.XXX	[±.8]
.XXX	±.010
.XX	[±.25]

SERIES DESCRIPTION:  
STEEL  
SERIES 310/310L  
LOAD RATING: 100-135 LBS./ 46-61 KG.

DATE: 1/11

ANGLES ±1°

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1

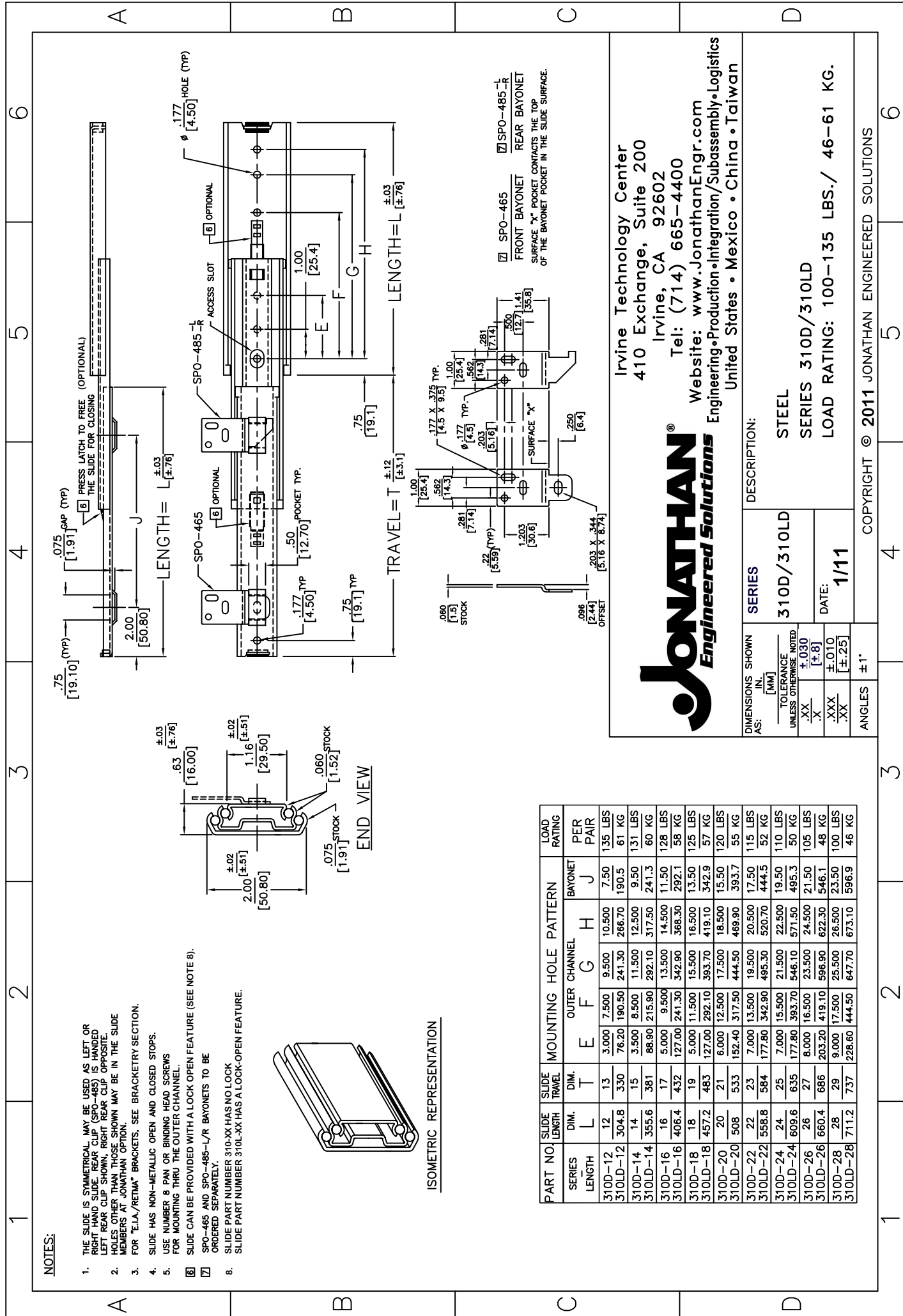
2

3

4

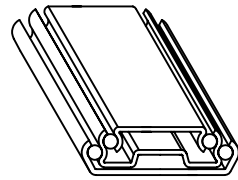
5

6



**NOTES:**

1. THE SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE. REAR CLIP (SPO-485) IS HANDED. LEFT REAR CLIP SHOWN, RIGHT REAR CLIP OPPOSITE.
2. HOLES OTHER THAN THOSE SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "E.I.A./RETMA" BRACKETS, SEE BRACKETRY SECTION.
4. SLIDE HAS NON-METALLIC OPEN AND CLOSED STOPS.
5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE OUTER CHANNEL.
6. SLIDE CAN BE PROVIDED WITH A LOCK OPEN FEATURE (SEE NOTE 8).
7. SPO-465 AND SPO-485-L/R BAYONETS TO BE ORDERED SEPARATELY.
8. SLIDE PART NUMBER 310L-XX HAS NO LOCK. SLIDE PART NUMBER 310L-XX HAS A LOCK-OPEN FEATURE.



PART NO	SERIES	SLIDE LENGTH DIM.	SLIDE TRAVEL DIM.	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR
				E	F	G	H	BAYONET	J	
310D-12	12	3.000	7.50	9.500	10.500	10.500	7.50	135 LBS		
310D-12	304.8	3.30	76.20	190.50	241.30	266.70	190.5	61 KG		
310D-14	14	3.500	8.500	11.500	12.500	12.500	9.50	131 LBS		
310D-14	355.6	3.81	88.90	215.90	292.10	317.50	241.3	60 KG		
310D-16	16	5.000	9.500	13.500	14.500	14.500	11.50	128 LBS		
310D-16	406.4	4.32	127.00	241.30	342.90	368.30	292.1	58 KG		
310D-18	18	5.000	11.500	15.500	16.500	16.500	13.50	125 LBS		
310D-18	457.2	4.83	127.00	292.10	393.70	419.10	342.9	57 KG		
310D-20	20	6.000	12.500	17.500	18.500	18.500	15.50	120 LBS		
310D-20	508	5.33	152.40	317.50	444.50	469.90	393.7	55 KG		
310D-22	22	7.000	13.500	19.500	20.500	20.500	17.50	115 LBS		
310D-22	558.8	5.84	177.80	342.90	495.30	520.70	444.5	52 KG		
310D-24	24	7.000	15.500	21.500	22.500	22.500	19.50	110 LBS		
310D-24	609.6	6.35	177.80	393.70	546.10	571.50	495.3	50 KG		
310D-26	26	8.000	16.500	23.500	24.500	24.500	21.50	105 LBS		
310D-26	660.4	6.86	203.20	419.10	598.90	622.30	546.1	48 KG		
310D-28	28	9.000	17.500	25.500	26.500	26.500	23.50	100 LBS		
310D-28	711.2	7.37	228.60	444.50	647.70	673.10	596.9	46 KG		

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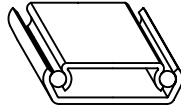


DIMENSIONS SHOWN AS:		DESCRIPTION:
IN.	[MM]	STEEL
TOLERANCE UNLESS OTHERWISE NOTED		SERIES 310D/310LD
.XX	±.030	LOAD RATING: 100-135 LBS./ 46-61 KG.
.XXX	[±.8]	DATE: 1/11
.XXX	±.010	
.XX	[±.25]	
ANGLES	±1°	

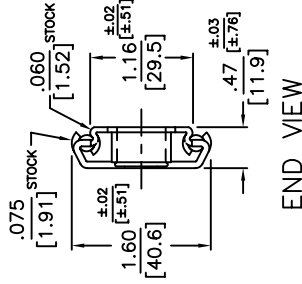
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**NOTE:**

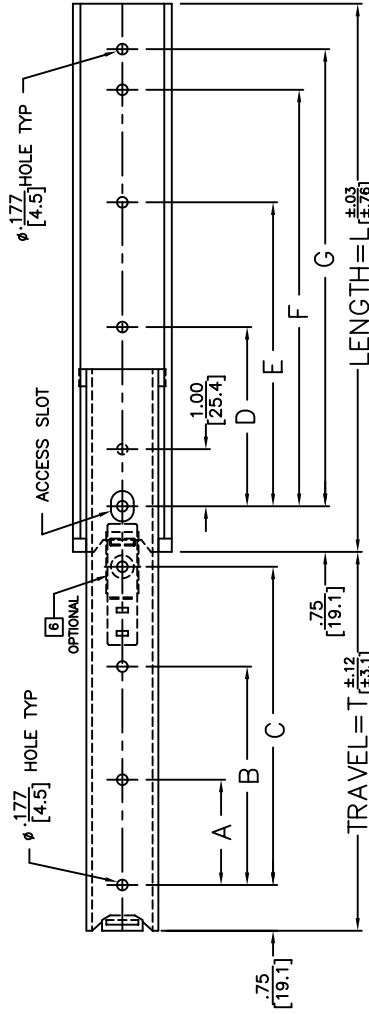
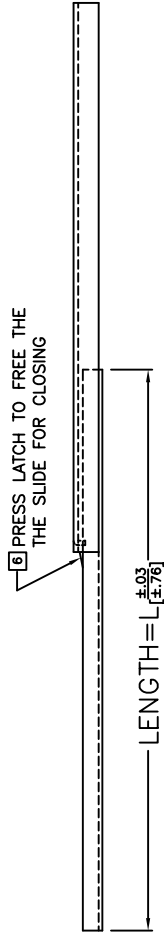
- 311- SLIDE WITHOUT LOCK
- 311L- SLIDE WITH LOCK OPEN
- SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
- MEMBERS NOT SHOWN MAY BE IN THE SLIDE MEMBER'S PATENT (JONATHAN OPTION).
- FOR "EM/REIMA" BRACKETS, SEE BRACKETRY SECTION.
- NON METALLIC OPEN AND CLOSED STOPS.
- USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
- SLIDE CAN BE PROVIDED WITH A LOCK-OPEN FEATURE. (OPTIONAL)



ISOMETRIC REPRESENTATION



END VIEW

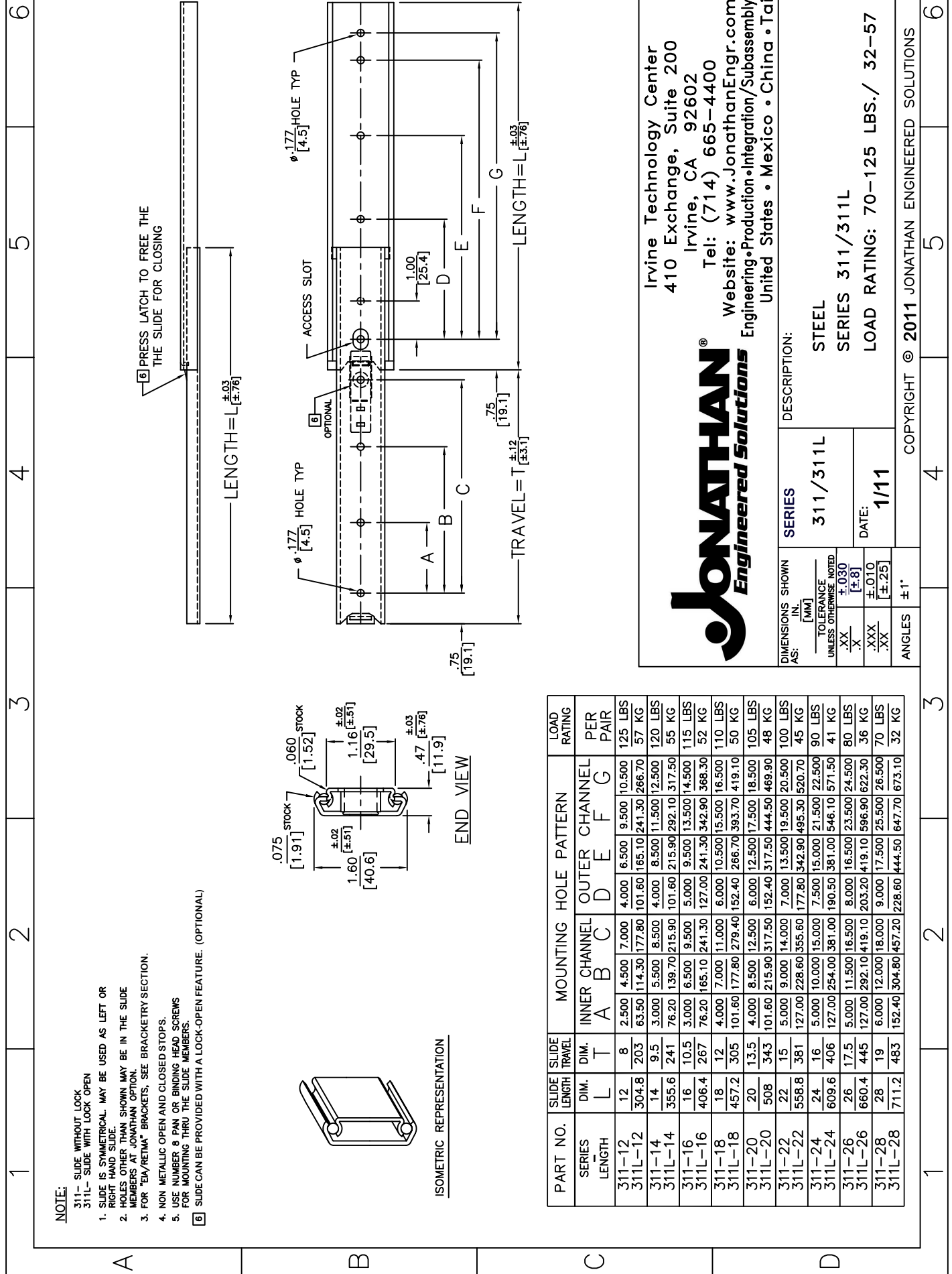


PART NO.	SLIDE LENGTH	SLIDE TRAVEL	MOUNTING CHANNEL			HOLE PATTERN			LOAD RATING	
			A	B	C	D	E	F		G
311-12	12	8	2.500	4.500	7.000	4.000	6.500	9.500	10.500	125 LBS
311L-12	304.8	203	63.50	114.30	177.80	101.60	165.10	241.30	266.70	57 KG
311-14	14	9.5	3.000	5.500	8.500	4.000	8.500	11.500	12.500	120 LBS
311L-14	355.6	241	76.20	139.70	215.90	101.60	215.90	292.10	317.50	55 KG
311-16	16	10.5	3.000	6.500	9.500	5.000	9.500	13.500	14.500	115 LBS
311L-16	406.4	267	76.20	165.10	241.30	127.00	241.30	342.90	368.30	52 KG
311-18	18	12	4.000	7.000	11.000	6.000	10.500	15.500	16.500	110 LBS
311L-18	457.2	305	101.60	177.80	279.40	152.40	266.70	393.70	419.10	50 KG
311-20	20	13.5	4.000	8.500	12.500	6.000	12.500	17.500	18.500	105 LBS
311L-20	508	343	101.60	215.90	317.50	152.40	317.50	444.50	469.90	48 KG
311-22	22	15	5.000	9.000	14.000	7.000	13.500	19.500	20.500	100 LBS
311L-22	558.8	381	127.00	228.60	355.60	177.80	342.90	495.30	520.70	45 KG
311-24	24	16	5.000	10.000	15.000	7.500	15.000	21.500	22.500	90 LBS
311L-24	609.6	406	127.00	254.00	381.00	190.50	381.00	546.10	571.50	41 KG
311-26	26	17.5	5.000	11.500	16.500	8.000	16.500	23.500	24.500	80 LBS
311L-26	660.4	445	127.00	292.10	419.10	203.20	419.10	596.90	622.30	36 KG
311-28	28	19	6.000	12.000	18.000	9.000	17.500	25.500	26.500	70 LBS
311L-28	711.2	483	152.40	304.80	457.20	228.60	444.50	647.70	673.10	32 KG

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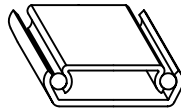


DIMENSIONS SHOWN AS:	IN.	DESCRIPTION:
[MM]		STEEL
TOLERANCE UNLESS OTHERWISE NOTED		SERIES 311/311L
.XX	±.030	LOAD RATING: 70-125 LBS./ 32-57 KG.
.X	±.8	
.XXX	±.010	
.XX	±.25	
ANGLES	±1°	

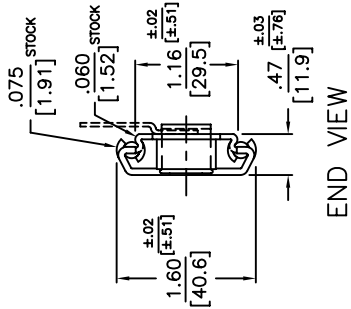


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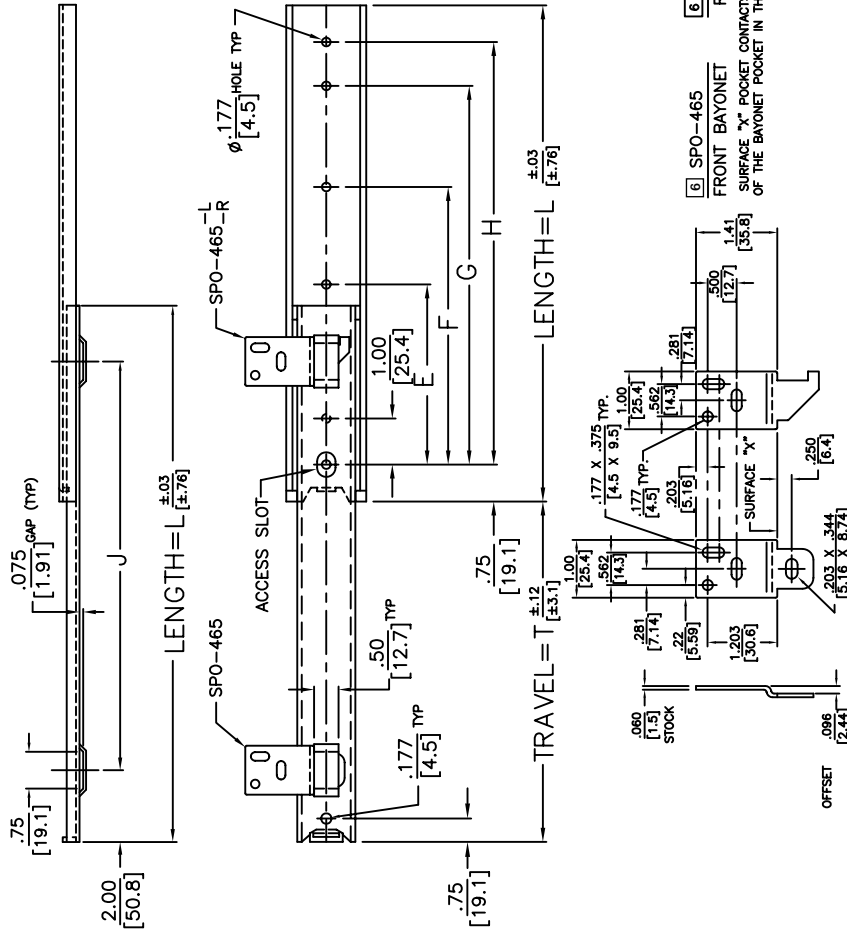
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE. REAR CLIP (SPO-465) IS HANDED LEFT REAR CLIP SHOWN, RIGHT REAR CLIP OPPOSITE.
  2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
  3. FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
  4. SLIDES ARE PROVIDED WITH NON-METALLIC OPEN AND CLOSED POSITION STOPS.
  5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE OUTER CHANNEL.
- [6] SPO-465 AND SPO-465-L/R BAYONETS TO BE ORDERED SEPARATELY.



ISOMETRIC REPRESENTATION



END VIEW



PART NO. SERIES LENGTH	SLIDE LENGTH DIM. L	SLIDE TRAVEL DIM. T	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR
			OUTER CHANNEL E F G			BAYONET H J			
311D-12	304.8	12	4.000	6.500	9.500	10.500	7.500	125 LBS	
		203	101.60	165.10	241.30	266.70	190.50	57 KG	
311D-14	355.6	14	4.000	8.500	11.500	12.500	9.500	120 LBS	
		241	101.60	215.90	292.10	317.50	241.30	55 KG	
311D-16	406.4	16	5.000	9.500	13.500	14.500	11.500	115 LBS	
		267	127.00	241.30	342.90	368.30	292.10	52 KG	
311D-18	457.2	18	6.000	10.500	15.500	16.500	13.500	110 LBS	
		305	152.40	266.70	393.70	419.10	342.90	50 KG	
311D-20	508.0	20	6.000	12.500	17.500	18.500	15.500	105 LBS	
		343	152.40	317.50	444.50	469.90	393.70	48 KG	
311D-22	558.8	22	7.000	13.500	19.500	20.500	17.500	100 LBS	
		381	177.80	342.90	495.30	520.70	444.50	46 KG	
311D-24	609.6	24	7.500	15.000	21.500	22.500	19.500	90 LBS	
		406	190.50	381.00	546.10	571.50	495.30	41 KG	
311D-26	660.4	26	8.000	16.500	23.500	24.500	21.500	80 LBS	
		445	203.20	419.10	596.90	622.30	546.10	36 KG	
311D-28	711.2	28	9.000	17.500	25.500	26.500	23.500	70 LBS	
		483	228.60	444.50	647.70	673.10	596.90	32 KG	

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DIMENSIONS SHOWN AS: IN. [MM]

TOLERANCE UNLESS OTHERWISE NOTED

.XX ±.030

.X ±.8

.XX ±.010

.XX ±.25

ANGLES ±1°

DESCRIPTION:

SERIES 311D

STEEL

SERIES 311D

LOAD RATING: 70-125 LBS./ 32-57 KG.

DATE: 1/11

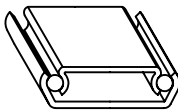
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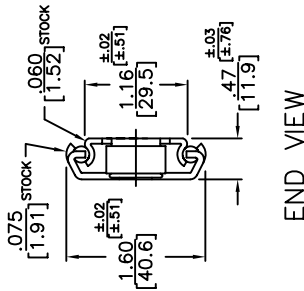
**NOTE:**

1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EA/RETA" BRACKETS, SEE BRACKETRY SECTION.
4. SLIDES ARE PROVIDED WITH NON-METALLIC OPEN AND CLOSED POSITION STOPS.
5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.

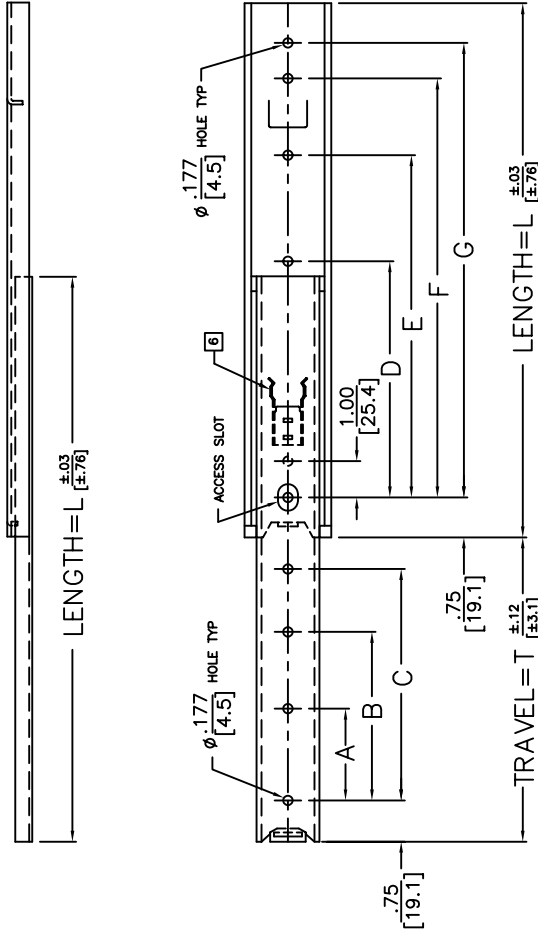
[6] SLIDE IS PROVIDED WITH A DETENT CLOSED FEATURE.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SERIES	SLIDE LENGTH DIM.	SLIDE TRAVEL DIM.	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR	
				A	B	C	D	E	F		G
311DC-12	12	304.8	203	2,500	4,500	7,000	4,000	6,500	9,500	10,500	125 LBS
311DC-14	14	355.6	241	3,000	5,500	8,500	4,000	8,500	11,500	12,500	170 LBS
311DC-16	16	406.4	267	3,000	6,500	9,500	5,000	9,500	13,500	14,500	115 LBS
311DC-18	18	457.2	305	4,000	7,000	11,000	6,000	10,500	15,500	16,500	110 LBS
311DC-20	20	508	343	4,000	8,500	12,500	6,000	12,500	17,500	18,500	105 LBS
311DC-22	22	558.8	381	5,000	9,000	14,000	7,000	13,500	19,500	20,500	100 LBS
311DC-24	24	609.6	406	5,000	10,000	15,000	7,500	14,000	21,500	22,500	90 LBS
311DC-26	26	660.4	445	5,000	11,500	16,500	8,000	16,500	23,500	24,500	80 LBS
311DC-28	28	711.2	483	6,000	12,000	18,000	9,000	17,500	25,500	26,500	70 LBS
				152.40	304.80	457.20	228.60	444.50	647.70	873.10	32 KG



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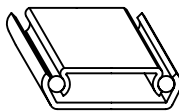
DIMENSIONS SHOWN AS:	SERIES	DESCRIPTION:
IN.	311DC	STEEL
[MM]		SERIES 311DC
TOLERANCE UNLESS OTHERWISE NOTED		LOAD RATING: 70-125 LBS./ 32-57 KG.
.XX ±.030		
.X ±.8		
.XX ±.010		
.XX ±.25		
ANGLES	±1°	

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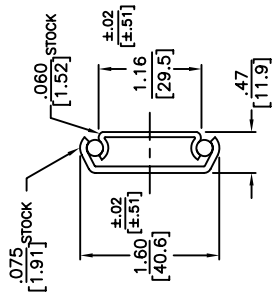
**NOTES:**

ORDERING INFORMATION:  
 THE STANDARD 311 LM SLIDE IS IDENTIFIED BY SPECIFYING THE LENGTH OF OUTER AND INNER MEMBERS.  
 EXAMPLE: 311LM-28-6 DESCRIBES A 311 LINEAR MOTION SLIDE WITH AN OUTER MEMBER 28 INCHES LONG CONTAINING AN INNER MEMBER 6 INCHES LONG PROVIDING A TRAVEL OF 22 INCHES. THE TRAVEL COORDINATE OF THE OUTER AND INNER MEMBER LENGTHS.

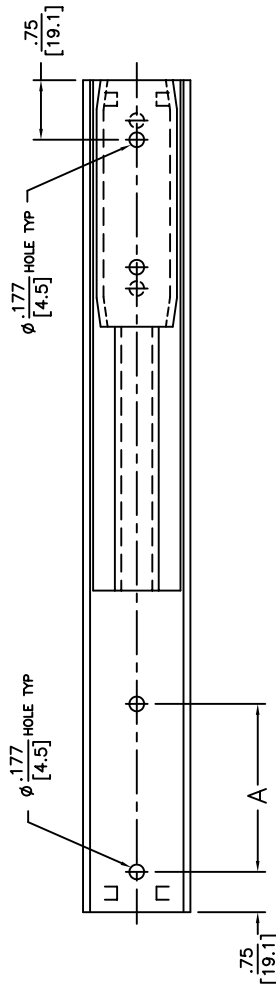
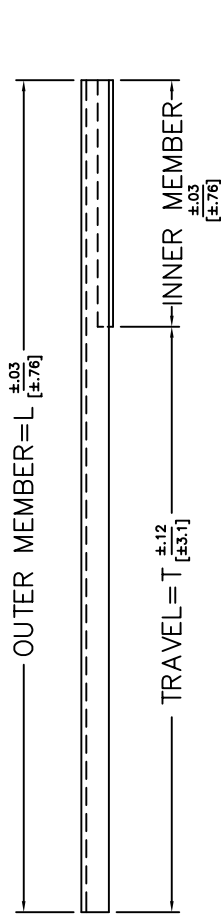
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. INNER MEMBER IS REMOVABLE.
4. THE INNER MEMBER IS ALWAYS SUPPORTED ON BALL BEARINGS AND PROVIDES PRECISE LINEAR MOTION WITH NEGLIGIBLE FRICTION THROUGHOUT THE FULL TRAVEL.




ISOMETRIC REPRESENTATION



END VIEW



OUTER MEMBER LENGTH	INNER MEMBER LENGTH				TRAVEL	OUTER MTG. HOLE	A
	3.00	4.00	5.00	6.00			
203.2	76.2	101.6	127	152.4	177.8	203.2	
8	5.00	4.00	3.00				
10	7.00	6.00	5.00	4.00	3.00		
12	9.00	8.00	7.00	6.00	5.00	4.00	
14	11.00	10.00	9.00	8.00	7.00	6.00	2.000
16	13.00	12.00	11.00	10.00	9.00	8.00	3.000
18	15.00	14.00	13.00	12.00	11.00	10.00	4.000
20	17.00	16.00	15.00	14.00	13.00	12.00	5.000
22	19.00	18.00	17.00	16.00	15.00	14.00	6.000
24	21.00	20.00	19.00	18.00	17.00	16.00	7.000
26	23.00	22.00	21.00	20.00	19.00	18.00	8.000
28	25.00	24.00	23.00	22.00	21.00	20.00	9.000
711.2	635	609.6	584.2	558.8	533.4	508	228.60


  
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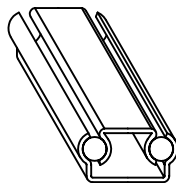
DIMENSIONS SHOWN AS:	IN.	DESCRIPTION:
	[MM]	
TOLERANCE UNLESS OTHERWISE NOTED		STEEL SERIES 311LM DATE: 1/11
XX	±.030	
X	[±.8]	
XXX	±.010	
XX	[±.25]	ANGLES ±1°

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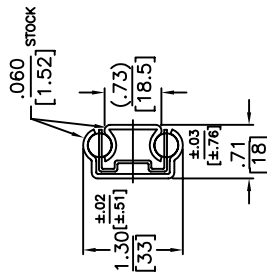


NOTES:

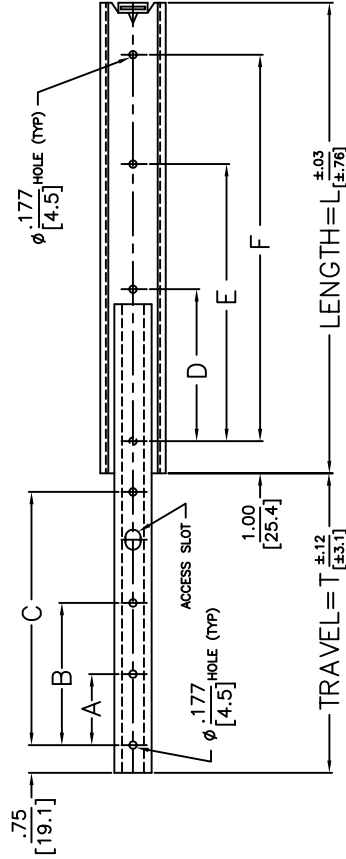
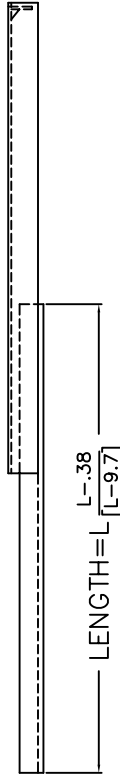
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. CUSHIONED CLOSED POSITION STOP.
4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
5. SLIDE IS SUITABLE AS UNDERMOUNT. (LOAD RATING CAPACITY IS 60% LESS)



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SLIDE LENGTH DIM.	SLIDE TRAVEL DIM.	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR
			INNER CHANNEL			OUTER CHANNEL			
SERIES	L	T	A	B	C	D	E	F	
320-12	12	8	3.500	7.000	5.000	10.000	10.000	10.000	72 LBS 33 KG
320-14	14	10	4.500	9.000	4.000	8.000	12.000	254.00	67 LBS 31 KG
320-16	16	11	3.000	7.000	5.000	9.000	14.000	304.80	88 LBS 40 KG
320-18	18	13	4.000	8.000	5.500	10.500	16.000	406.40	81 LBS 37 KG
320-20	20	15	5.000	9.000	6.000	12.000	18.000	457.20	75 LBS 34 KG
320-22	22	17	5.000	11.000	7.000	13.000	20.000	508.00	68 LBS 31 KG
320-24	24	17.5	6.000	11.000	7.500	14.500	22.000	558.80	87 LBS 40 KG
320-26	26	19.5	6.000	12.500	8.000	16.000	24.000	609.60	81 LBS 37 KG
320-28	28	21	7.000	13.000	9.000	17.000	26.000	660.40	85 LBS 39 KG

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United States • Mexico • China • Taiwan



DESCRIPTION:

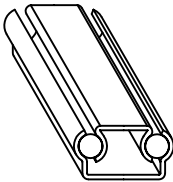
SERIES 320  
DATE: 1/11  
STEEL  
SERIES 320  
LOAD RATING: 67-88 LBS./ 31-40 KG.

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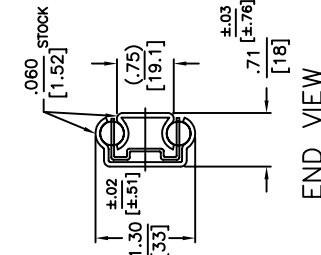
**NOTE:**

ORDERING INFORMATION:  
 THE STANDARD 320 LM SLIDE IS IDENTIFIED BY SPECIFYING THE LENGTH OF OUTER AND INNER MEMBERS.  
**EXAMPLE:** 320LM-28-6 DESCRIBES A 320 LINEAR MOTION SLIDE WITH AN OUTER MEMBER 28 INCHES LONG CONTAINING AN INNER MEMBER 6 INCHES LONG PROVIDING A TRAVEL OF 22 INCHES. THE TRAVEL IS COORDINATE OF THE OUTER AND INNER MEMBER LENGTHS.

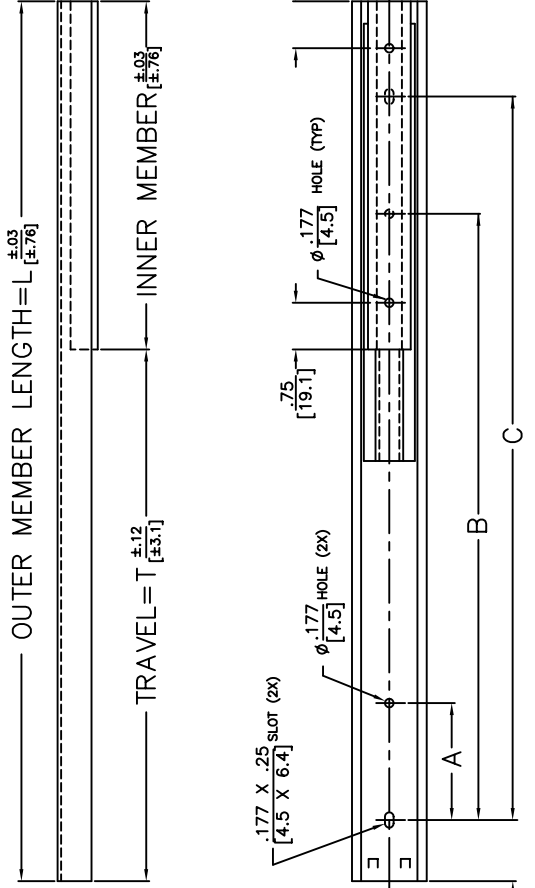
1. SLIDE IS SYMMETRICAL MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. INNER MEMBER IS REMOVABLE.
4. THE INNER MEMBER IS ALWAYS SUPPORTED ON BEARINGS AND PROVIDES PRECISE LINEAR MOTION THROUGHOUT THE FULL TRAVEL.
5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
6. SLIDE IS SUITABLE AS UNDERMOUNT (LOAD RATING CAPACITY 60% LESS)



ISOMETRIC REPRESENTATION



END VIEW



OUTER MEMBER LENGTH	INNER MEMBER LENGTH						OUTER CHANNEL MOUNTING HOLES		
	3.00	4.00	5.00	6.00	7.00	8.00	A	B	C
76.2	101.6	127.0	152.4	177.8	203.2	203.2			
TRAVEL									
12	9	8	7	6	5	4			9.500
304.8	228.6	203.2	177.8	152.4	127	101.6			241.30
14	11	10	9	8	7	6	2.000	9.500	11.500
355.6	279.4	254	228.6	203.2	177.8	152.4	50.80	241.30	292.10
16	13	12	11	10	9	8	3.000	11.000	13.500
406.4	330.2	304.8	279.4	254	228.6	203.2	76.20	279.40	342.90
18	15	14	13	12	11	10	4.000	12.000	15.500
457.2	381	355.6	330.2	304.8	279.4	254	101.60	304.80	393.70
20	17	16	15	14	13	12	5.500	12.500	17.500
508	431.8	406.4	381.0	355.6	330.2	304.8	139.70	317.50	444.50
22	19	18	17	16	15	14	6.000	14.000	19.500
558.8	482.6	457.2	431.8	406.4	381	355.6	152.40	355.60	495.30
24	21	20	19	18	17	16	7.000	15.000	21.500
609.6	533.4	508	482.6	457.2	431.8	406.4	177.80	381.00	546.10
26	23	22	21	20	19	18	8.500	15.500	23.500
660.4	584.2	558.8	533.4	508	482.6	457.2	215.90	393.70	596.90
28	25	24	23	22	21	20	9.000	17.000	25.500
711.2	635	609.6	584.2	558.8	533.4	508	228.60	431.80	647.70

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DESCRIPTION:

SERIES

320LM

STEEL

SERIES 320LM

DATE: 1/11

DIMENSIONS SHOWN AS:  
 IN. [MM]  
 TOLERANCE UNLESS OTHERWISE NOTED  
 .XX ±.030  
 .X ±.8  
 .XXX ±.010  
 .XX ±.25  
 ANGLES ±1°

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1

2

3

4

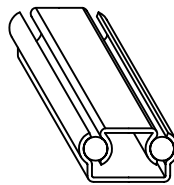
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6

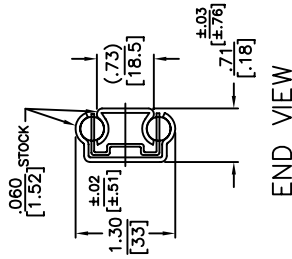


NOTES:

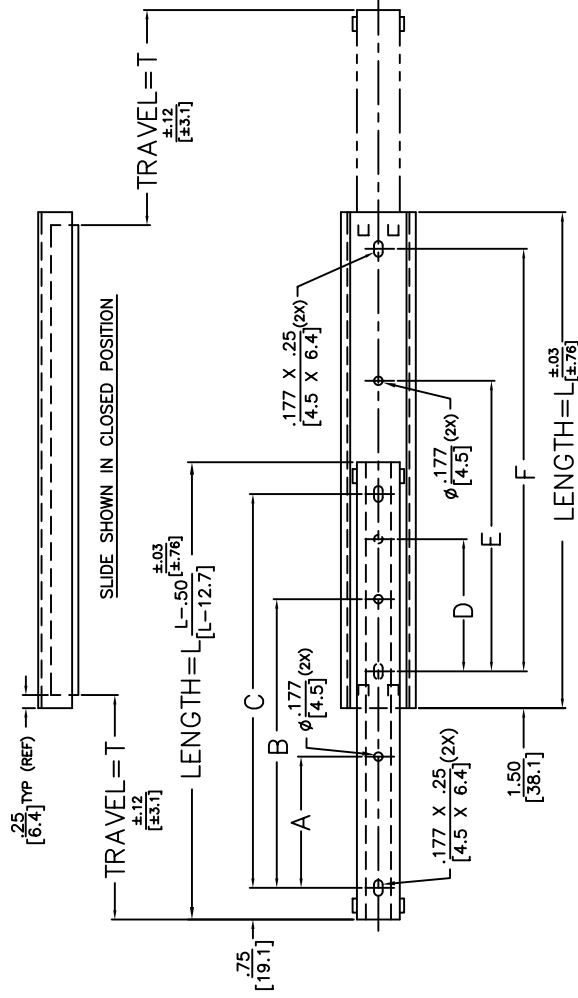
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. INNER MEMBER IS NOT REMOVABLE.
4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
5. SLIDE IS SUITABLE AS UNDERMOUNT (LOAD RATING CAPACITY 60% LESS)



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SLIDE LENGTH DIM.	SLIDE TRAVEL DIM.	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR
			INNER CHANNEL A	INNER CHANNEL B	INNER CHANNEL C	OUTER CHANNEL D	OUTER CHANNEL E	OUTER CHANNEL F	
320TW-12	12	8.00	3.250	6.750	10.00	3.000	6.000	9.00	72 LBS 33 KG
320TW-14	14	10.00	4.000	8.000	12.00	3.500	7.500	11.00	87 LBS 39 KG
320TW-16	16	11.25	4.500	9.500	14.00	4.250	8.750	13.00	88 LBS 40 KG
320TW-18	18	12.50	5.250	10.750	16.00	5.000	10.000	15.00	81 LBS 37 KG
320TW-20	20	13.75	6.000	12.000	18.00	5.500	11.500	17.00	75 LBS 34 KG
320TW-22	22	15.00	6.500	13.500	20.00	6.250	12.750	19.00	68 LBS 31 KG
320TW-24	24	16.25	7.250	14.750	22.00	7.000	14.000	21.00	87 LBS 40 KG
320TW-26	26	17.50	8.000	16.000	24.00	7.500	15.500	23.00	81 LBS 37 KG
320TW-28	28	18.75	8.500	17.500	26.00	8.250	16.750	25.00	85 LBS 39 KG



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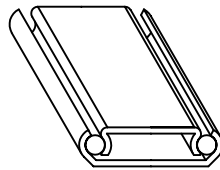
DESCRIPTION:

DIMENSIONS SHOWN AS:	SERIES	DESCRIPTION:
IN.	320TW	STEEL
[MM]		SERIES 320TW
TOLERANCE UNLESS OTHERWISE NOTED		LOAD RATING: 67-88 LBS./ 31-40 KG.
.XX ±.030		
.X ±.8	DATE:	
.XXX ±.010	1/11	
.XX ±.25		
ANGLES ±1°		

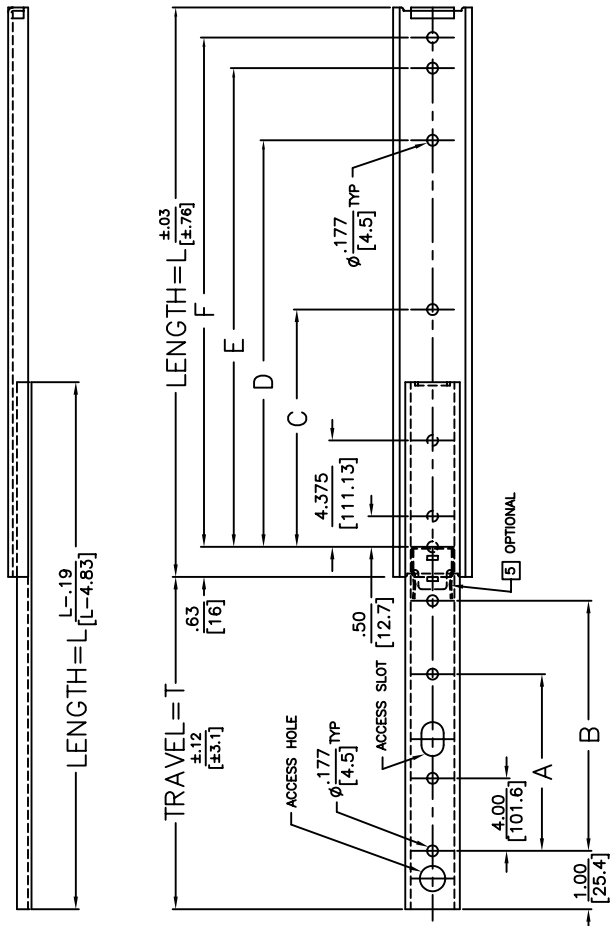
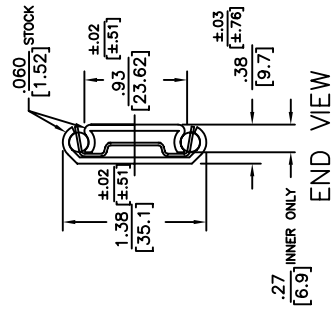
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**NOTE:**

- 330- SLIDE WITHOUT DETENT
- 33000- SLIDE WITH DETENT OPEN
- SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
- HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
- FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
- SLIDE IS PROVIDED WITH DETENT OPEN (OPTIONAL).
- CUSHIONED CLOSED POSITION STOP.
- USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.



ISOMETRIC REPRESENTATION



PART NO.	SERIES	DIM.	SLIDE LENGTH	SLIDE TRAVEL	MOUNTING HOLE PATTERN						LOAD RATING
					INNER CHANNEL	OUTER CHANNEL			PER PAIR		
			L	T	A	B	C	D	E	F	
330-10		10	6.94								145 LBS 66 KG
33000-10		254	176								145 LBS 66 KG
330-12		12	8.94		6.000						140 LBS 64 KG
33000-12		304.8	227		152.40						140 LBS 64 KG
330-14		14	10.94		8.000						130 KG 59 KG
33000-14		355.6	278		203.20						130 KG 59 KG
330-16		16	11.94		10.000						120 LBS 55 KG
33000-16		406.4	303		254.00						120 LBS 55 KG
330-18		18	12.94		8.000	11.875					110 LBS 50 KG
33000-18		457.2	329		203.20	279.40	212.70				110 LBS 50 KG
330-20		20	14.94		9.000	13.000	9.375				100 LBS 45 KG
33000-20		508	380		228.60	330.20	238.10				100 LBS 45 KG
330-22		22	15.94		10.000	14.000	10.375	15.875			90 LBS 41 KG
33000-22		558.8	405		254.00	355.80	263.50	403.20			90 LBS 41 KG
330-24		24	16.94		11.000	15.000	11.375	17.875			80 LBS 36 KG
33000-24		609.6	430		279.40	381.00	288.90	454.00			80 LBS 36 KG
330-26		26	18.94		12.000	17.000	12.375	19.875			70 LBS 32 KG
33000-26		660.4	481		304.80	431.80	314.30	504.80			70 LBS 32 KG
330-28		28	19.94		13.000	18.000	13.375	21.875			60 LBS 27 KG
33000-28		711.2	506		330.20	457.20	338.70	555.60			60 LBS 27 KG
330-30		30	20.94		14.000	19.000	14.375	23.875			50 LBS 23 KG
33000-30		762	532		355.60	482.60	365.10	606.40			50 LBS 23 KG



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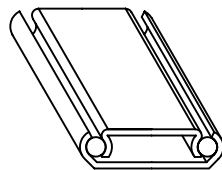
DIMENSIONS SHOWN AS:

IN.	DESCRIPTION:
[MM]	STEEL
TOLERANCE UNLESS OTHERWISE NOTED	SERIES 330/330DO
.XX ±.030	LOAD RATING: 50-145 LBS./ 23-66 KG.
.XX ±.010	
.XX ±.25	
ANGLES ±1°	

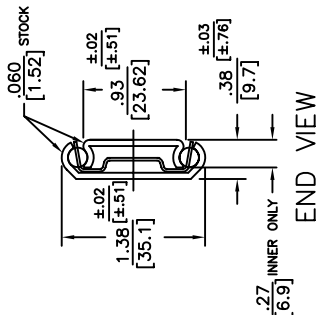
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**NOTES:**

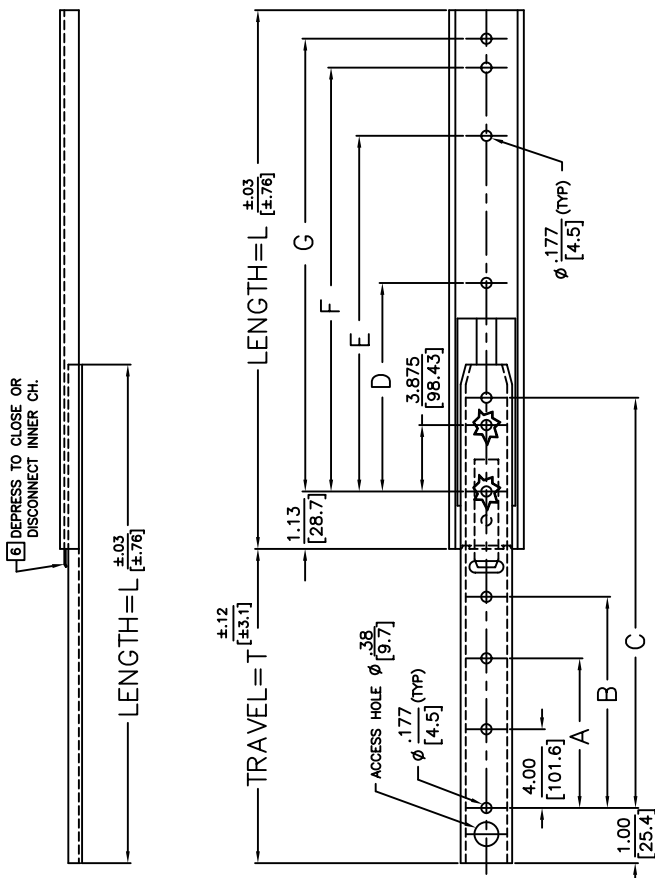
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EIA/REIMA" BRACKETS, SEE BRACKETRY SECTION.
4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
5. SLIDE IS PROVIDED WITH LOCK OPEN FEATURE AND QUICK DISCONNECT.



ISOMETRIC REPRESENTATION



END VIEW



PART NO. SERIES LENGTH	SLIDE LENGTH TRAVEL		MOUNTING HOLE PATTERN			LOAD RATING PER PAIR
	L	T	A	B	C	
330QD-10	10	5.94	8.000	8.000	8.000	145 LBS 66 KG
330QD-12	12	7.94	10.000	10.000	10.000	140 LBS 64 KG
330QD-14	14	9.94	12.000	12.000	12.000	130 KG 59 KG
330QD-16	16	11.94	14.000	14.000	14.000	120 LBS 55 KG
330QD-18	18	13.94	16.000	16.000	16.000	110 LBS 50 KG
330QD-20	20	15.94	18.000	18.000	18.000	100 LBS 46 KG
330QD-22	22	17.94	20.000	20.000	20.000	90 LBS 41 KG
330QD-24	24	19.94	22.000	22.000	22.000	80 LBS 36 KG
330QD-26	26	21.94	24.000	24.000	24.000	70 LBS 32 KG
330QD-28	28	23.94	26.000	26.000	26.000	60 LBS 27 KG
330QD-30	30	25.94	28.000	28.000	28.000	50 LBS 23 KG

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DIMENSIONS SHOWN AS:	IN.	[MM]
TOLERANCE UNLESS OTHERWISE NOTED	.XX	±.030
	.X	±.8
	.XXX	±.010
	.XX	±.25
ANGLES	±1°	

DESCRIPTION:

SERIES: 330QD

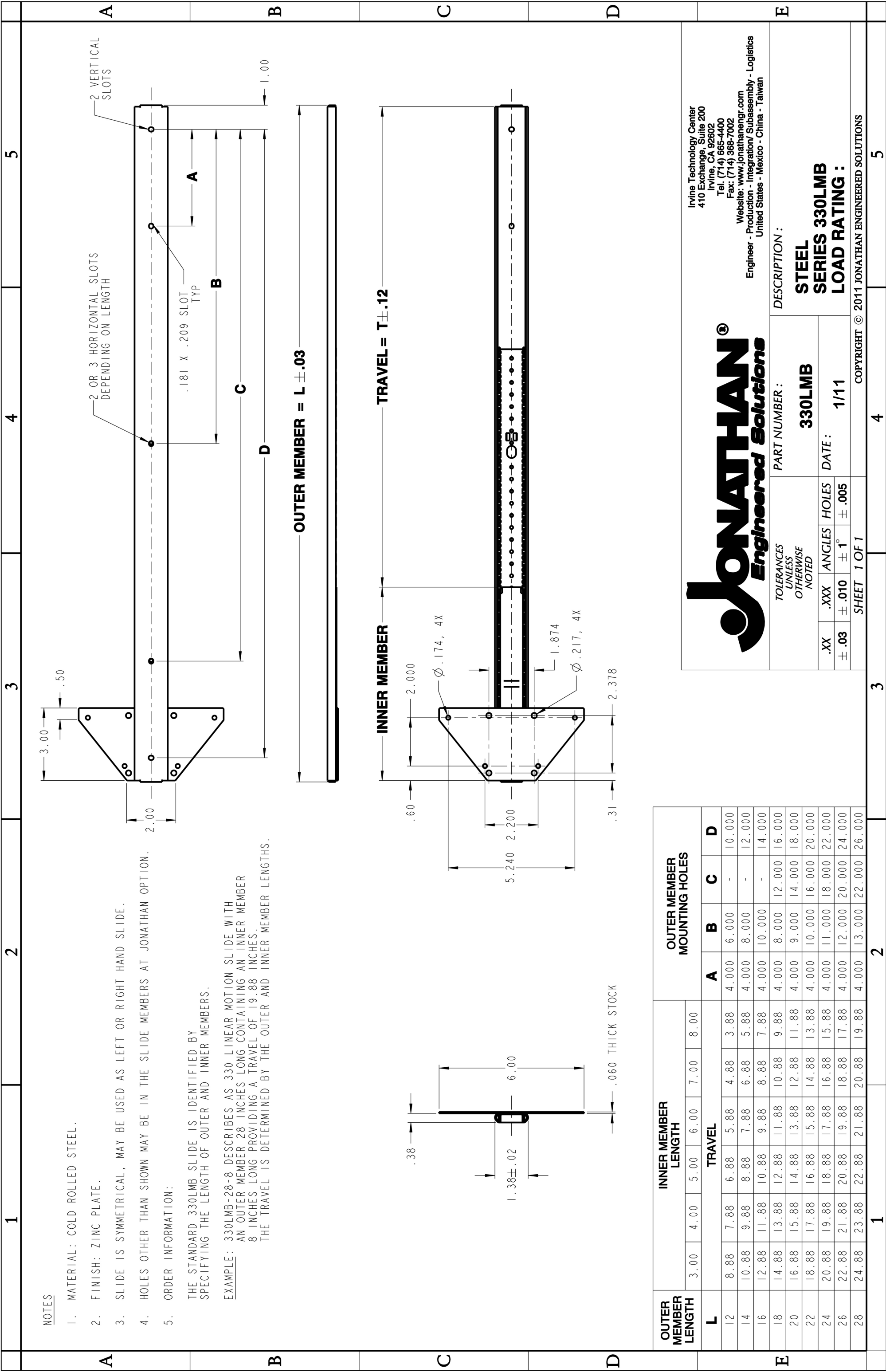
STEEL

SERIES 330QD

LOAD RATING: 50-145 LBS./ 23-66 KG.

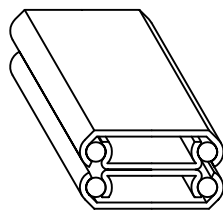
DATE: 1/11

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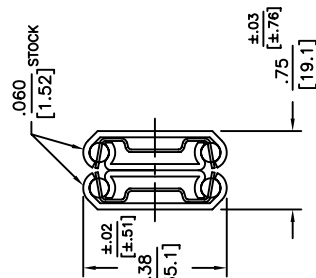


**NOTES:**

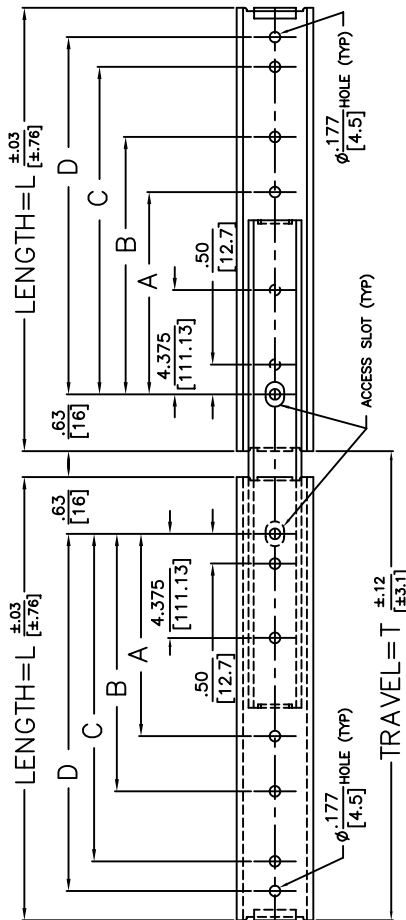
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EIA/PREMA" BRACKETS, SEE BRACKETRY SECTION.
4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
5. CUSHIONED CLOSED POSITION STOP.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SERIES	SLIDE LENGTH	SLIDE DIM.	SLIDE TRAVEL	MOUNTING HOLE PATTERN	LOAD RATING					
						A	B	C	D	PER PAIR	
340-10		10	10.88	254		8.250	8.750	140	140	LBS	
				276		209.60	222.30	64	64	KG	
340-12		12	12.88	304.8		5.875	10.250	10.750	135	LBS	
				327		149.20	260.40	273.10	61	KG	
340-14		14	14.88	355.6		7.875	12.250	12.750	131	KG	
				378		200.00	311.20	323.90	60	KG	
340-16		16	16.88	406.4		9.875	14.250	14.750	128	LBS	
				429		250.80	362.00	374.70	58	KG	
340-18		18	18.88	457.2		8.375	11.875	16.250	16.750	125	LBS
				480		212.70	301.60	412.80	425.50	57	KG
340-20		20	20.88	508		9.375	13.875	18.250	18.750	120	LBS
				530		238.10	352.40	463.60	476.30	55	KG
340-22		22	22.88	558.8		10.375	15.875	20.250	20.750	115	LBS
				581		263.50	403.20	514.40	527.10	52	KG
340-24		24	24.88	609.6		11.375	17.875	22.250	22.750	110	LBS
				632		288.90	454.00	565.20	577.90	50	KG
340-26		26	26.88	660.4		12.375	19.875	24.250	24.750	105	LBS
				683		314.30	504.80	616.00	628.70	48	KG
340-28		28	28.88	711.2		13.375	21.875	26.250	26.750	100	LBS
				734		339.70	555.60	666.80	679.50	45	KG
340-30		30	30.88	762		14.375	23.875	28.250	28.750	95	LBS
				784		365.10	606.40	717.60	730.30	43	KG

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DIMENSIONS SHOWN AS: IN. [MM]

TOLERANCE UNLESS OTHERWISE NOTED  
 .XX ±.030  
 .X ±.010  
 .XX ±.010  
 .XX ±.25

DESCRIPTION:  
 SERIES: 340  
 STEEL SERIES 340  
 LOAD RATING: 95-140 LBS./ 43-64 KG.  
 DATE: 1/11

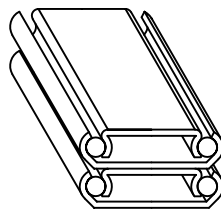
ANGLES ±1°

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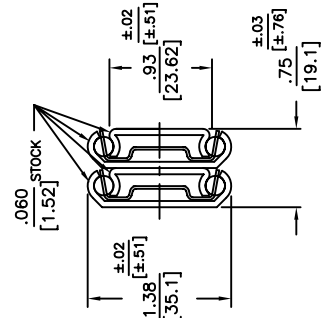


**NOTES:**

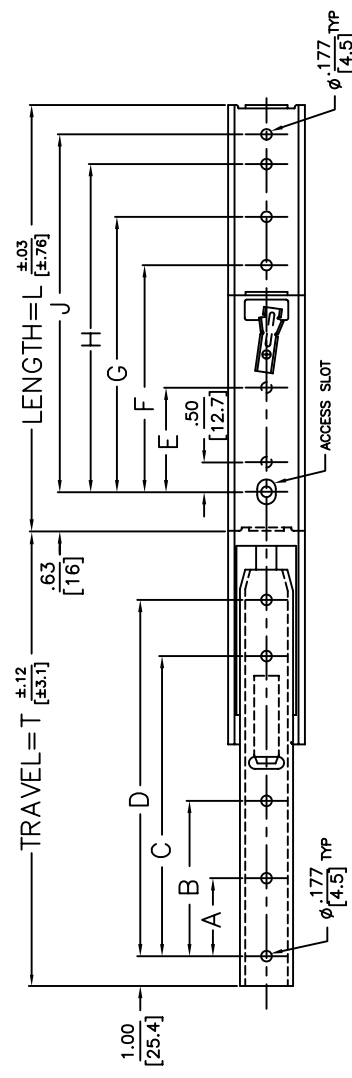
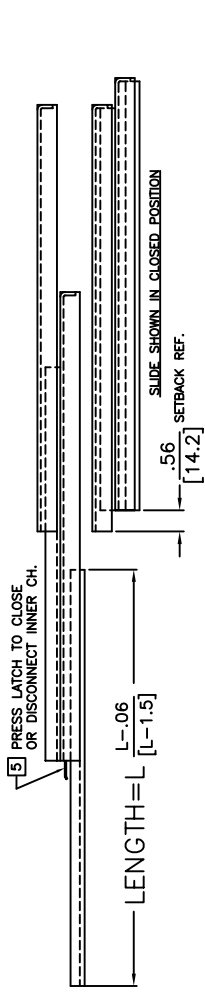
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EIA/REIMA" BRACKETS, SEE BRACKETRY SECTION.
4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
5. SLIDE IS PROVIDED WITH LOCK OPEN FEATURE AND QUICK DISCONNECT.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SLIDE DIM.	SLIDE TRAVEL	MOUNTING HOLE PATTERN										LOAD RATING
			INNER CHANNEL					OUTER CHANNEL					
SERIES	L	T	A	B	C	D	E	F	G	H	J	PER PAIR	
340QD-12	12	12.88	4.000	4.000	8.500	3.375	5.875	10.250	10.750	13.5	13.5	135 LBS	
	304.8	327.9	101.60	101.60	215.90	85.73	149.26	262.40	273.10	330.15	330.15	131 KG	
340QD-14	14	14.88	4.000	5.000	9.500	4.375	6.875	12.250	12.750	15.5	15.5	155 LBS	
	355.6	378.6	101.60	127.00	241.30	106.70	209.00	311.50	323.90	390.15	390.15	150 KG	
340QD-16	16	16.88	4.000	6.000	10.500	4.375	9.875	14.250	14.750	18.0	18.0	180 LBS	
	406.4	429.4	101.60	152.40	266.70	171.50	290.80	382.00	394.70	450.15	450.15	180 KG	
340QD-18	18	18.88	4.000	7.000	11.500	4.375	11.875	16.250	16.750	21.0	21.0	210 LBS	
	457.2	480.2	101.60	177.80	292.10	166.50	311.10	412.70	425.50	510.15	510.15	200 KG	
340QD-20	20	20.88	4.000	8.000	13.000	4.375	13.875	18.250	18.750	24.0	24.0	240 LBS	
	508	531	101.60	203.20	330.20	171.10	332.40	443.60	456.30	550.15	550.15	220 KG	
340QD-22	22	22.88	4.000	9.000	14.000	4.375	15.375	19.750	20.250	26.0	26.0	260 LBS	
	558.8	581	101.60	228.60	355.60	169.90	363.50	474.70	487.40	580.15	580.15	230 KG	
340QD-24	24	24.88	4.000	10.000	15.000	4.375	17.375	21.750	22.250	28.0	28.0	280 LBS	
	609.6	632	101.60	254.00	381.00	171.10	388.90	500.10	512.80	600.15	600.15	250 KG	
340QD-26	26	26.88	4.000	11.000	16.000	4.375	19.875	24.250	24.750	31.0	31.0	310 LBS	
	660.4	683	101.60	279.40	406.40	171.10	414.30	525.50	538.20	630.15	630.15	280 KG	
340QD-28	28	28.88	4.000	12.000	18.000	4.375	22.375	26.750	27.250	34.0	34.0	340 LBS	
	711.2	734	101.60	304.80	431.80	171.10	439.70	550.90	563.60	650.15	650.15	300 KG	
340QD-30	30	30.88	4.000	13.000	19.000	4.375	25.375	29.750	30.250	37.0	37.0	370 LBS	
	762	784	101.60	330.20	457.20	171.10	465.10	576.30	589.00	680.15	680.15	330 KG	



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United States • Mexico • China • Taiwan

DIMENSIONS SHOWN AS:	IN.	DESCRIPTION:
	[MM]	STEEL
TOLERANCE UNLESS OTHERWISE NOTED		SERIES 340QD
.XX	±.030	LOAD RATING: 95-135 LBS./ 43-66 KG.
.X	±.010	
.XXX	±.010	
.XX	±.25	
ANGLES	±1°	

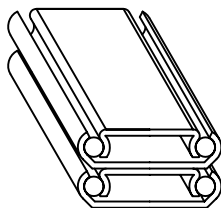
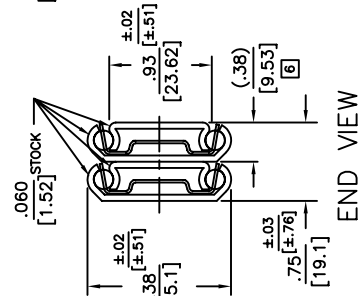
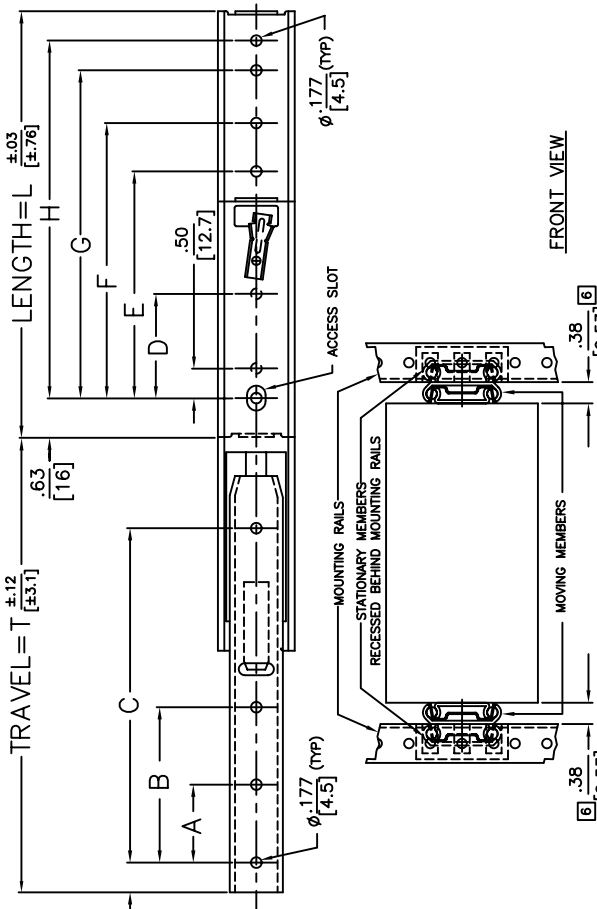
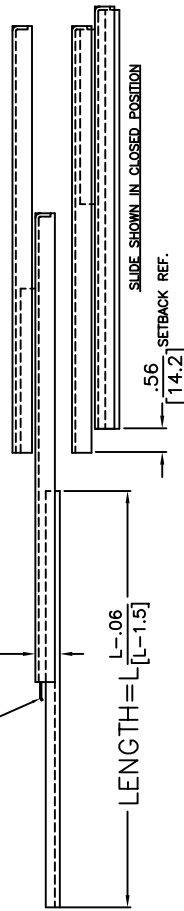
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1 2 3 4 5 6

NOTES:

- 1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
- 2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
- 3. FOR "EM/PREMA" BRACKETS, SEE BRACKETRY SECTION.
- 4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
- 5. SLIDE IS PROVIDED WITH LOCK OPEN FEATURE AND QUICK DISCONNECT.
- 6. SLIDE CAN MOUNT A CHASSIS TO ENCLOSURE WITH .375 OPENING ON EACH SIDE OF CHASSIS.

PRESS LATCH TO CLOSE OR DISCONNECT INNER CH. SPACE REQUIRED FOR MOVING MEMBERS



ISOMETRIC REPRESENTATION

PART NO. SERIES LENGTH	SLIDE DIM. LENGTH TRAVEL	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR		
		INNER CHANNEL A B C D E F G H	OUTER CHANNEL							
340QDR-12	12	12.88	4.000	8.500	3.375	5.875	10.250	10.750	135 LBS	
340QDR-14	14	14.88	4.000	10.500	4.375	7.875	12.250	12.750	61 KG	
340QDR-16	16	16.88	4.000	12.500	4.375	9.875	14.250	14.750	131 KG	
340QDR-18	18	18.88	4.000	14.500	4.375	11.875	16.250	16.750	60 KG	
340QDR-20	20	20.88	4.000	16.500	4.375	13.875	18.250	18.750	125 LBS	
340QDR-22	22	22.88	4.000	18.500	4.375	15.875	20.250	20.750	57 KG	
340QDR-24	24	24.88	4.000	20.500	4.375	17.875	22.250	22.750	116 LBS	
340QDR-26	26	26.88	4.000	22.500	4.375	19.875	24.250	24.750	55 KG	
340QDR-28	28	28.88	4.000	24.500	4.375	21.875	26.250	26.750	107 LBS	
340QDR-30	30	30.88	4.000	26.500	4.375	23.875	28.250	28.750	49 KG	
340QDR-30	762	784	101.60	330.20	660.40	1111.13	365.10	606.40	717.60	33 KG

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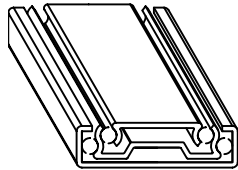
DESCRIPTION:	STEEL
SERIES	340QDR
DATE:	1/11
LOAD RATING:	72-135 LBS./ 33-61 KG.

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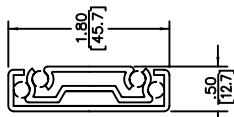
1 2 3 4 5 6

**NOTES:**

1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. NON METALLIC STOPS OPEN AND CLOSED.
4. LOAD RATING 100 LBS. (45 KG.) FOR 18" SLIDE - PLEASE JONATHAN FOR LOAD RATINGS OF OTHER LENGTHS.
5. LIFT LEVER TO REMOVE DRAWER MEMBER
6. USE #8 PAN HEAD OR BINDING HEAD SCREWS / SLOTTED SLIDE HAD DETENT CLOSED
7. FINISH ZINC



ISOMETRIC REPRESENTATION

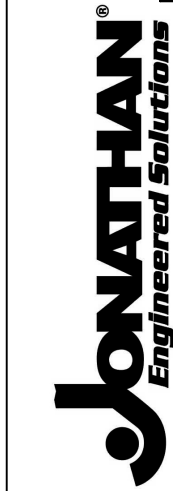
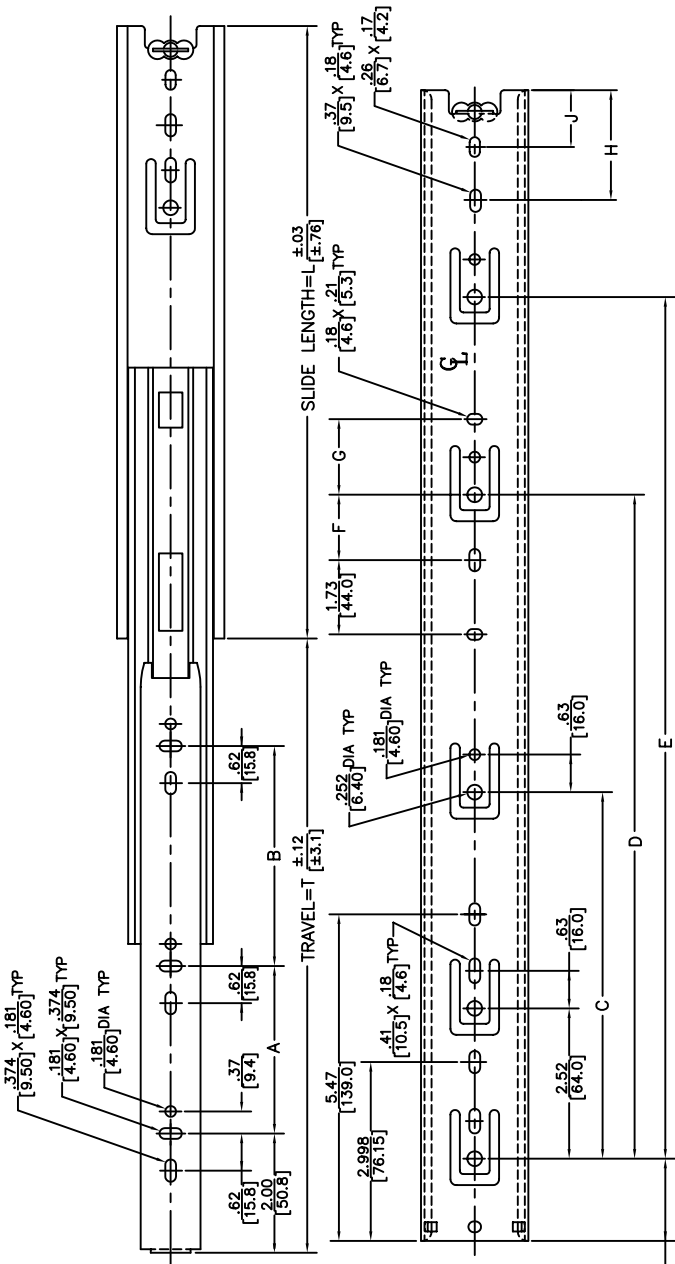


END VIEW

$\frac{+0.00}{-0.30}$   
1.38 [35.0]

\* Please refer to the website [www.JonathanEngr.com](http://www.JonathanEngr.com) for the latest up-to-date dimensions.

PART NO. SERIES LENGTH	SLIDE LENGTH	SLIDE TRAVEL	MOUNTING HOLE PATTERN												
			INNER CHANNEL						OUTER CHANNEL						
			L	T	A	B	C	D	E	F	G	H	J		
360-10	10	10	6.67		6.300									.71	18.0
	254.0	254.0	169.5		160.0										
360-12	12	12	3.78	5.04	8.82										
	304.8	304.8	96.0	128.0	224.0									1.84	7.09
360-14	14	14	5.04	5.04	8.82									46.6	18.0
	355.6	355.6	128.0	128.0	224.0									1.32	7.09
360-16	16	16	6.30	6.30	8.82	11.34								33.4	18.0
	406.4	406.4	160.0	160.0	224.0	228.0									
360-18	18	18	6.30	7.56	8.82	13.86	1.002	1.266							
	457.2	457.2	160.0	192.0	224.0	352.0	25.45	32.15							
360-20	20	20	7.56	8.82	8.82	13.86	16.38	1.002	1.266						
	508.0	508.0	192.0	224.0	224.0	352.0	416.0	25.45	32.15						
360-22	22	22	8.82	10.08	8.82	13.86	16.38	1.002	1.266	2.28					
	558.8	558.8	224.0	256.0	224.0	352.0	416.0	25.45	32.15	57.8					
360-24	24	24	10.08	10.08	8.82	13.86	18.90	1.002	1.266	1.76	7.09				
	609.6	609.6	256.0	256.0	224.0	352.0	480.0	25.45	32.15	44.8	18.0				
360-26	26	26	10.08	12.60	8.82	13.86	21.42	1.002	1.266						
	660.4	660.4	256.0	320.0	224.0	352.0	544.0	25.45	32.15						
360-28	28	28	10.08	13.86	8.82	13.86	21.42	1.002	1.266						
	711.2	711.2	256.0	352.0	224.0	352.0	544.0	25.45	32.15	82.2	18.0				



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DIMENSIONS SHOWN AS:

SERIES  
**360**

TOLERANCE UNLESS OTHERWISE NOTED:  
-XX ±.030 [±.8]  
-XXX ±.010 [±.25]  
-XX ±.8 [±.25]

DATE: **1/11**

DESCRIPTION:  
STEEL  
SERIES 360  
LOAD RATING: 100 LBS./ 45 KG.

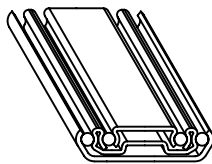
ANGLES ±1'

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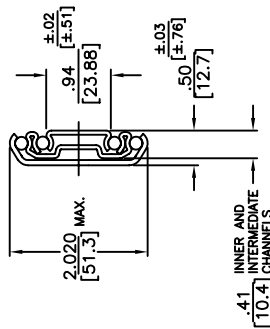
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**NOTES:**

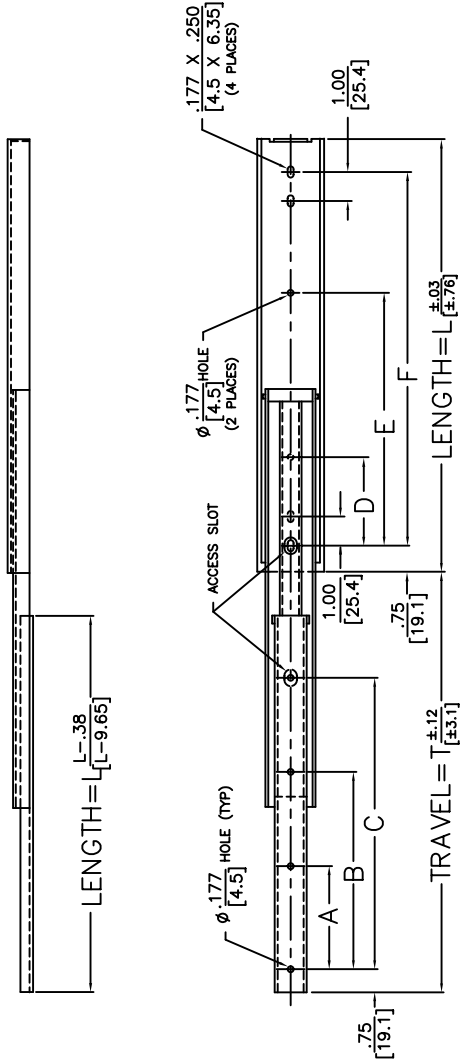
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EIA/RETINA" BRACKETS, SEE BRACKETRY SECTION.
4. NON METALLIC STOPS OPEN AND CLOSED.
5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SERIES	SLIDE LENGTH	SLIDE TRAVEL	MOUNTING HOLE PATTERN						LOAD RATING
				INNER CHANNEL	OUTER CHANNEL	PATTERN		PER PAIR		
DIM.	DIM.	DIM.	DIM.	A	B	C	D	E	F	
370-10	10	254	11	3.000	5.500	8.000	3.000	5.500	8.500	180 LBS
	12	279	13	76.20	139.70	203.20	76.20	139.70	215.90	82 KG
370-12	12	304.8	13	3.000	7.000	10.000	3.500	7.000	10.500	175 LBS
	14	355.6	15	4.000	8.500	12.000	4.000	8.500	12.500	79 KG
370-14	14	355.6	15	4.000	8.500	12.000	4.000	8.500	12.500	170 LBS
	16	406.4	17	4.500	9.500	14.000	5.000	9.500	14.500	77 KG
370-16	16	406.4	17	4.500	9.500	14.000	5.000	9.500	14.500	160 LBS
	18	457.2	19	5.500	11.000	16.000	5.500	11.000	16.500	73 KG
370-18	18	457.2	19	5.500	11.000	16.000	5.500	11.000	16.500	150 LBS
	20	508	21	6.000	12.500	18.000	6.000	12.500	18.500	68 KG
370-20	20	508	21	6.000	12.500	18.000	6.000	12.500	18.500	145 LBS
	22	558.8	23	7.000	14.000	20.000	7.000	14.000	20.500	66 KG
370-22	22	558.8	23	7.000	14.000	20.000	7.000	14.000	20.500	140 LBS
	24	609.6	25	7.500	15.000	22.000	7.500	15.000	22.500	64 KG
370-24	24	609.6	25	7.500	15.000	22.000	7.500	15.000	22.500	135 LBS
	26	660.4	27	8.000	16.500	24.000	8.000	16.500	24.500	61 KG
370-26	26	660.4	27	8.000	16.500	24.000	8.000	16.500	24.500	130 LBS
	28	711.2	29	9.000	18.000	26.000	9.000	18.000	26.500	59 KG
370-28	28	711.2	29	9.000	18.000	26.000	9.000	18.000	26.500	125 LBS
	30	762	31	9.500	19.000	28.000	9.500	19.000	28.500	57 KG
370-30	30	762	31	9.500	19.000	28.000	9.500	19.000	28.500	120 LBS
	32	812.8	33	10.000	20.000	30.000	10.000	20.000	30.500	55 KG

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Engineered Solutions

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DESCRIPTION:  
STEEL  
SERIES 370  
LOAD RATING: 120-180 LBS./ 55-82 KG.

SERIES 370  
DATE: 1/11

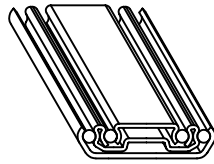
DIMENSIONS SHOWN AS:  
IN. [MM]  
TOLERANCE UNLESS OTHERWISE NOTED  
-XX ±.030  
-XX ±.030  
-XX ±.010  
-XX ±.025  
ANGLES ±1°

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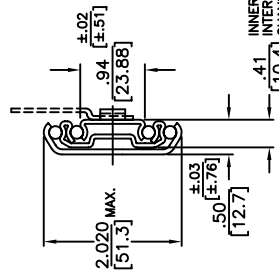
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**NOTES:**

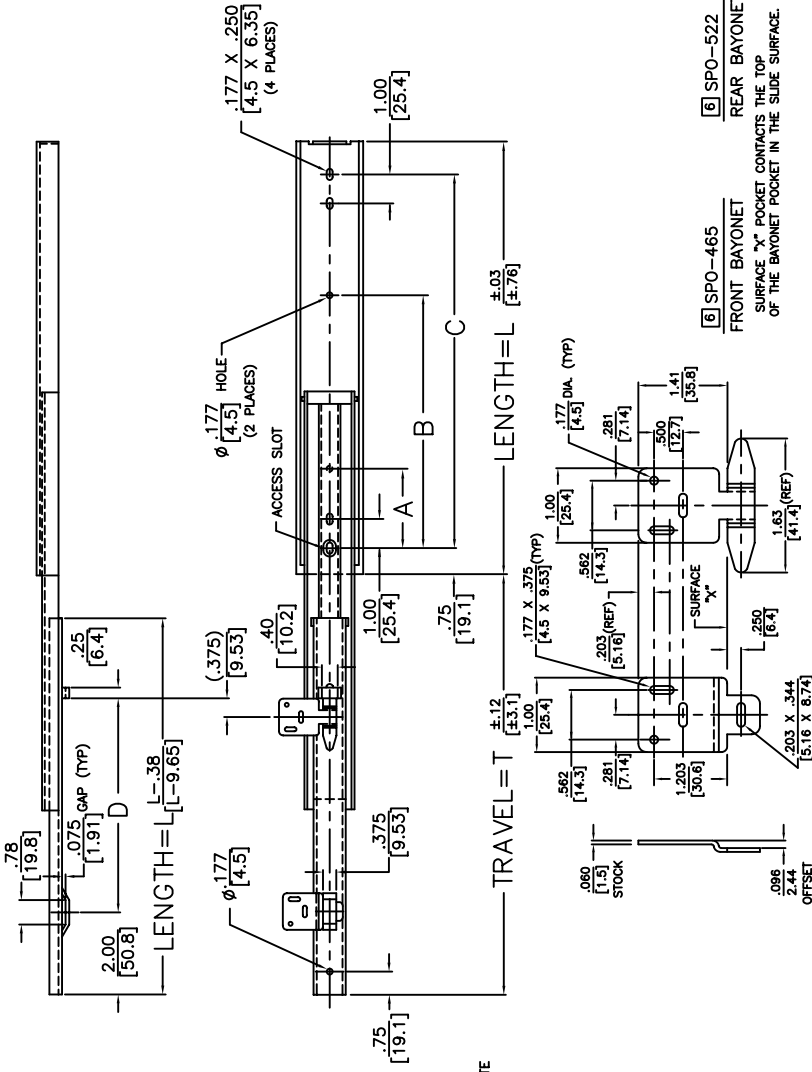
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
  2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
  3. FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
  4. NON METALLIC STOPS OPEN AND CLOSED.
  5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
- [6] SPO-465 AND SPO-522 BAYONETS TO BE ORDERED SEPARATELY.



ISOMETRIC REPRESENTATION



END VIEW



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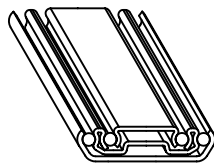
DIMENSIONS SHOWN AS:	IN.	DESCRIPTION:
	[MM]	STEEL
TOLERANCE UNLESS OTHERWISE NOTED	XXX	SERIES 370D
XXX	±.030	LOAD RATING: 120-180 LBS./ 55-82 KG.
X	[±.8]	DATE: 1/11
XXX	±.010	
.XX	[±.25]	
ANGLES	±1°	

PART NO.	SLIDE LENGTH	SLIDE TRAVEL	DIM.	MOUNTING HOLE PATTERN			LOAD RATING
				A	B	C	
370D-10	10	11	3.000	5.500	8.500	5.375	180 LBS
	254	279	76.20	139.70	215.90	136.50	82 KG
370D-12	12	13	3.500	7.000	10.500	7.375	175 LBS
	304.8	330	88.90	177.80	266.70	187.30	79 KG
370D-14	14	15	4.000	8.500	12.500	9.375	170 LBS
	355.6	381	101.60	215.90	317.50	238.10	77 KG
370D-16	16	17	5.000	9.500	14.500	11.375	160 LBS
	406.4	432	127.00	241.30	368.30	288.90	73 KG
370D-18	18	19	5.500	11.000	16.500	13.375	150 LBS
	457.2	483	139.70	279.40	419.10	339.70	68 KG
370D-20	20	21	6.000	12.500	18.500	15.375	145 LBS
	508	533	152.40	317.50	469.90	390.50	66 KG
370D-22	22	23	7.000	13.500	20.500	17.375	140 LBS
	558.8	584	177.80	342.90	520.70	441.30	64 KG
370D-24	24	25	7.500	15.000	22.500	19.375	135 LBS
	609.6	635	190.50	381.00	571.50	492.10	61 KG
370D-26	26	27	8.000	16.500	24.500	21.375	130 LBS
	660.4	686	203.20	419.10	622.30	542.90	59 KG
370D-28	28	29	9.000	17.500	26.500	23.375	125 LBS
	711.2	737	228.60	444.50	673.10	593.70	57 KG
370D-30	30	31	9.500	19.000	28.500	25.375	120 LBS
	762	787	241.30	482.60	723.90	644.50	55 KG

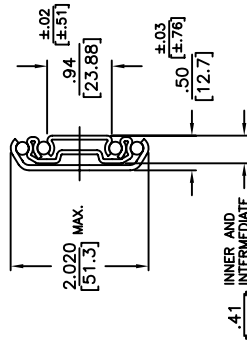


**NOTES:**

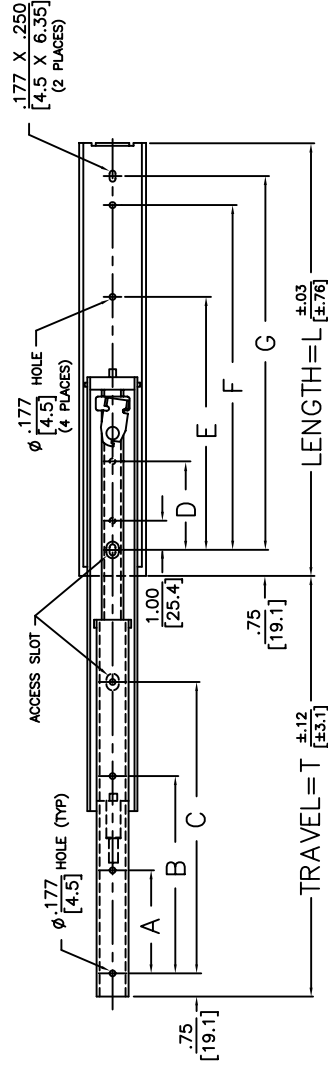
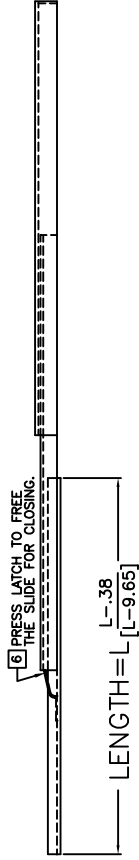
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EIA/RETA" BRACKETS, SEE BRACKETRY SECTION.
4. NON METALLIC STOPS OPEN AND CLOSED.
5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU SLIDE MEMBERS.
6. SLIDE IS PROVIDED WITH LOCK OPEN FEATURE.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SLIDE LENGTH	SLIDE TRAVEL	MOUNTING HOLE PATTERN							LOAD RATING
			INNER CHANNEL			OUTER CHANNEL				
SERIES	DIM. L	DIM. T	A	B	C	D	E	F	G	PER PAIR
370L-10	10	11	2,000	7,000	4,500	7,500	8,500	180	LBS	
	254	279	50.80	177.80	114.30	190.50	215.90	82	KG	
370L-12	12	13	3,000	9,000	5,500	9,500	10,500	175	LBS	
	304.8	330	76.20	228.60	139.70	241.30	266.70	79	KG	
370L-14	14	15	4,000	11,000	8,500	11,500	12,500	170	LBS	
	355.6	381	101.60	279.40	101.60	15.90	292.10	317.50	77	KG
370L-16	16	17	4,500	13,000	9,500	13,500	14,500	160	LBS	
	406.4	432	114.30	330.20	127.00	241.30	342.90	368.30	73	KG
370L-18	18	19	5,500	15,000	11,000	15,000	16,000	150	LBS	
	457.2	483	139.70	381.00	139.70	279.40	393.70	419.10	68	KG
370L-20	20	21	6,000	17,000	12,500	17,500	18,500	145	LBS	
	508	533	152.40	431.80	152.40	317.50	444.50	469.90	66	KG
370L-22	22	23	7,000	19,000	14,000	19,000	20,500	140	LBS	
	558.8	584	177.80	482.60	177.80	442.90	495.50	520.70	64	KG
370L-24	24	25	7,500	21,000	15,000	21,000	22,500	135	LBS	
	609.6	635	190.50	533.40	190.50	381.00	546.10	571.50	61	KG
370L-26	26	27	8,000	23,000	16,500	23,500	24,500	130	LBS	
	660.4	686	203.20	584.20	203.20	419.10	596.90	622.30	59	KG
370L-28	28	29	9,000	25,000	18,000	25,000	26,500	125	LBS	
	711.2	737	228.60	635.00	228.60	444.50	647.70	673.10	57	KG
370L-30	30	31	9,500	27,000	19,000	27,000	28,500	120	LBS	
	762	787	241.30	685.80	241.30	482.60	698.50	723.90	55	KG

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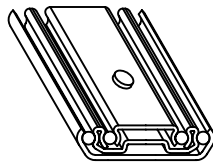


DIMENSIONS SHOWN AS:		DESCRIPTION:
IN.	[MM]	STEEL
TOLERANCE UNLESS OTHERWISE NOTED		SERIES 370L
.XX	±.030	LOAD RATING: 120-180 LBS./ 55-82 KG.
.X	±.010	
.XXX	±.010	
.XX	±.25	
ANGLES	±1°	

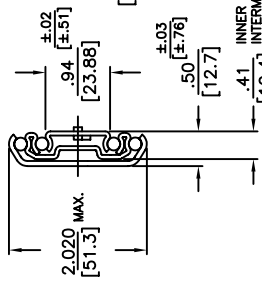
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**NOTES:**

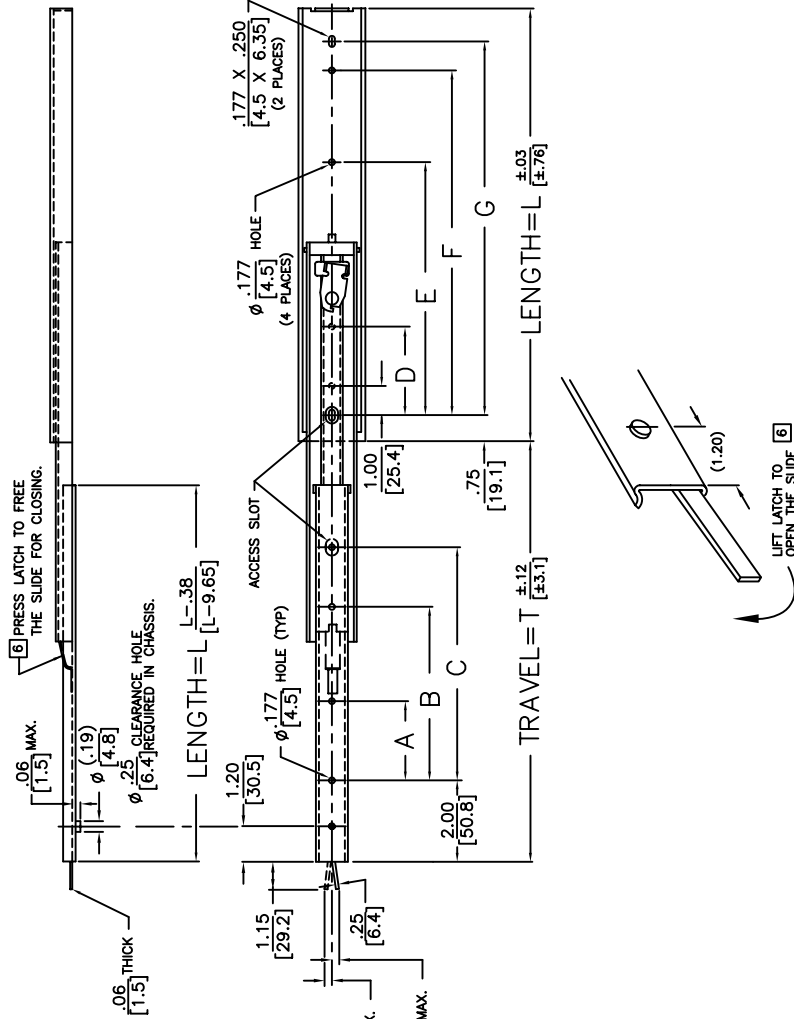
1. LEFT HAND SLIDE SHOWN, RIGHT HAND SLIDE OPPOSITE.
  2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
  3. FOR "EIA/RETIMA" BRACKETS, SEE BRACKETRY SECTION.
  4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU SLIDE MEMBERS.
  5. NON METALLIC STOPS OPEN AND CLOSED.
- [6] SLIDE IS PROVIDED WITH LOCK OPEN AND LOCK CLOSED.



ISOMETRIC REPRESENTATION



END VIEW



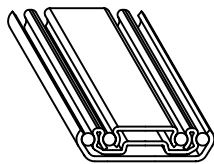
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DIMENSIONS SHOWN AS:		DESCRIPTION:
IN.	[MM]	STEEL
TOLERANCE UNLESS OTHERWISE NOTED		SERIES 370LC
.XX	±.030	LOAD RATING: 120-180 LBS./ 55-82 KG.
.X	±.8	DATE: 1/11
.XX	±.010	
.XX	±.25	
ANGLES ±1°		

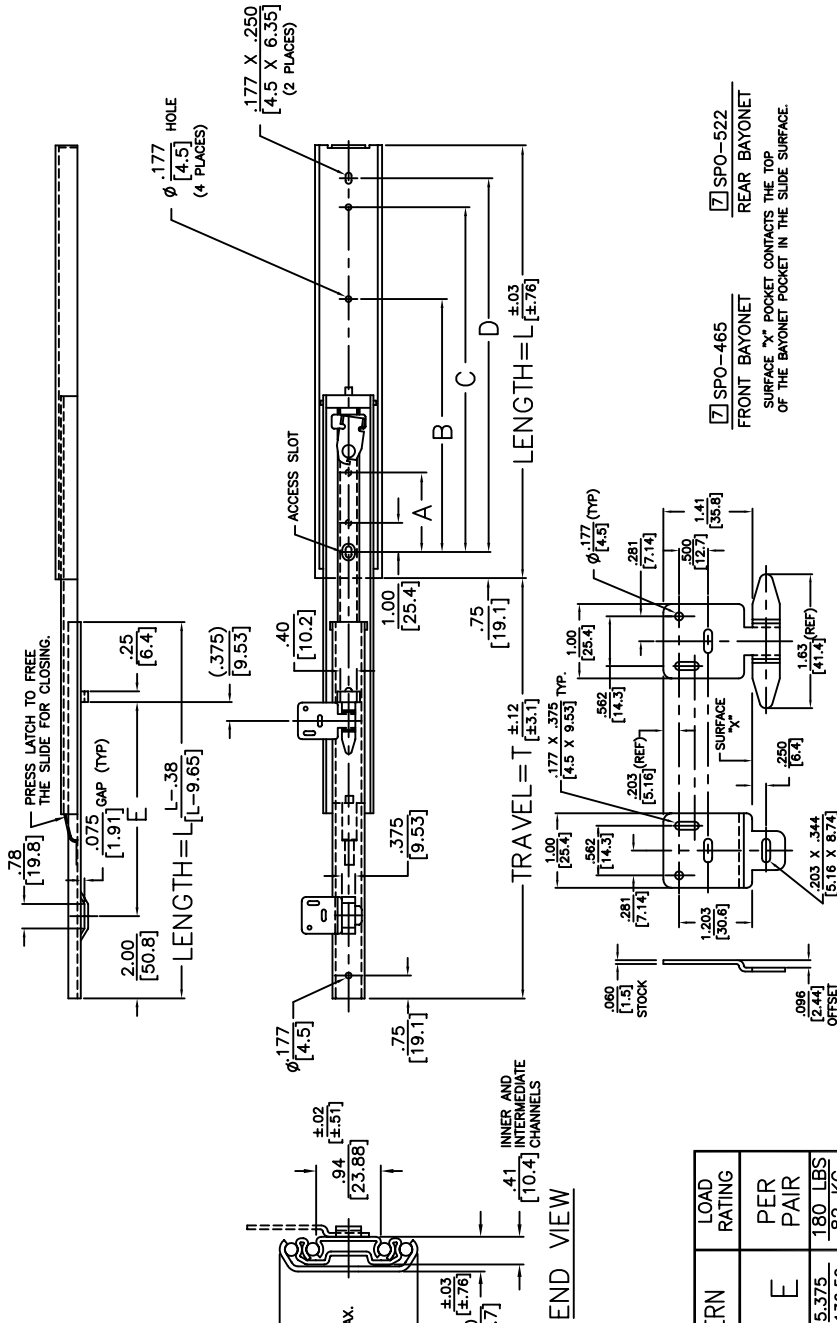
PART NO.	SLIDE LENGTH	SLIDE TRAVEL	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR	
			INNER CHANNEL A	INNER CHANNEL B	INNER CHANNEL C	OUTER CHANNEL D	OUTER CHANNEL E	OUTER CHANNEL F		OUTER CHANNEL G
370LC-10	10	11			5.750		4.500	7.500	8.500	180 LBS
	254	279			146.10		114.30	190.50	215.30	82 KG
370LC-12	12	13	1.750		7.750		5.500	9.500	10.500	175 LBS
	304.8	330	44.50		196.90		139.70	241.30	266.70	79 KG
370LC-14	14	15	2.750		9.750	4.000	8.500	11.500	12.500	170 LBS
	355.6	381	69.90		247.70	101.60	215.90	292.10	317.50	77 KG
370LC-16	16	17	3.250		11.750	5.000	9.500	13.500	14.500	160 LBS
	406.4	432	82.60		298.50	127.00	241.30	342.90	368.30	73 KG
370LC-18	18	19	4.250	10.250	13.750	5.500	11.000	15.500	16.500	150 LBS
	457.2	483	108.00	260.40	349.50	139.70	279.40	393.70	419.10	68 KG
370LC-20	20	21	4.750	11.250	15.750	6.000	12.500	17.500	18.500	145 LBS
	508	533	120.70	285.80	400.10	152.40	317.50	444.50	469.90	66 KG
370LC-22	22	23	5.750	12.750	17.750	7.000	13.500	19.500	20.500	140 LBS
	558.8	584	146.10	323.90	450.90	177.80	342.90	495.30	520.70	64 KG
370LC-24	24	25	6.250	13.750	19.750	7.500	15.000	21.500	22.500	135 LBS
	609.6	635	158.80	349.30	501.70	190.50	381.00	546.10	571.50	61 KG
370LC-26	26	27	6.750	15.250	21.750	8.000	16.500	23.500	24.500	130 LBS
	660.4	686	171.50	387.40	552.50	203.20	419.10	596.90	622.30	59 KG
370LC-28	28	29	7.750	16.750	23.750	9.000	17.500	25.500	26.500	125 LBS
	711.2	737	196.90	425.50	603.30	228.60	444.50	647.70	673.10	57 KG
370LC-30	30	31	8.250	17.750	25.750	9.500	19.000	27.500	28.500	120 LBS
	762	787	209.60	450.90	654.10	241.30	482.60	698.50	723.90	55 KG

**NOTES:**

1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
  2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
  3. FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
  4. NON METALLIC STOPS OPEN AND CLOSED.
  5. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE OUTER CHANNEL.
  6. SLIDE IS PROVIDED WITH LOCK OPEN FEATURE.
- [7] SPO-465 AND SPO-522 BAYONETS TO BE ORDERED SEPARATELY.



ISOMETRIC REPRESENTATION



PART NO.	SLIDE LENGTH	SLIDE DIM.	SLIDE TRAVEL	MOUNTING HOLE PATTERN				LOAD RATING
				A	B	C	D	
370LD-10	10	11	11	4.500	7.500	8.500	5.375	180 LBS 82 KG
370LD-12	12	13	13	5.500	9.500	10.500	6.375	175 LBS 79 KG
370LD-14	14	15	15	6.500	11.500	12.500	7.375	170 LBS 77 KG
370LD-16	16	17	17	7.500	13.500	14.500	8.375	160 LBS 75 KG
370LD-18	18	19	19	8.500	15.500	16.500	9.375	150 LBS 68 KG
370LD-20	20	21	21	9.500	17.500	18.500	10.375	145 LBS 66 KG
370LD-22	22	23	23	10.500	19.500	20.500	11.375	140 LBS 64 KG
370LD-24	24	25	25	11.500	21.500	22.500	12.375	135 LBS 61 KG
370LD-26	26	27	27	12.500	23.500	24.500	13.375	130 LBS 59 KG
370LD-28	28	29	29	13.500	25.500	26.500	14.375	125 LBS 57 KG
370LD-30	30	31	31	14.500	27.500	28.500	15.375	120 LBS 55 KG

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DIMENSIONS SHOWN AS:	DESCRIPTION:
IN.	STEEL
[MM]	SERIES 370LD
TOLERANCE UNLESS OTHERWISE NOTED	LOAD RATING: 120-180 LBS./ 55-82 KG.
.XX ±.030	
.XX ±.8	
.XX ±.010	
.XX ±.25	
ANGLES ±1°	

[7] SPO-465 FRONT BAYONET  
SURFACE "X" POCKET CONTACTS THE TOP OF THE BAYONET POCKET IN THE SLIDE SURFACE.

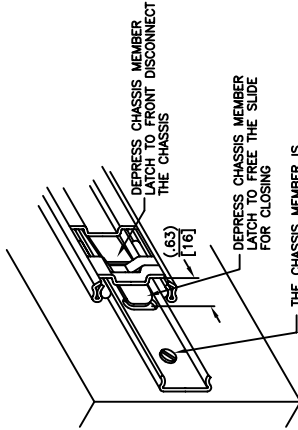
[7] SPO-522 REAR BAYONET  
SURFACE "X" POCKET CONTACTS THE TOP OF THE BAYONET POCKET IN THE SLIDE SURFACE.

DATE: 1/11

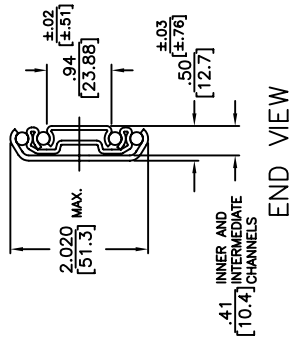
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**NOTE:**

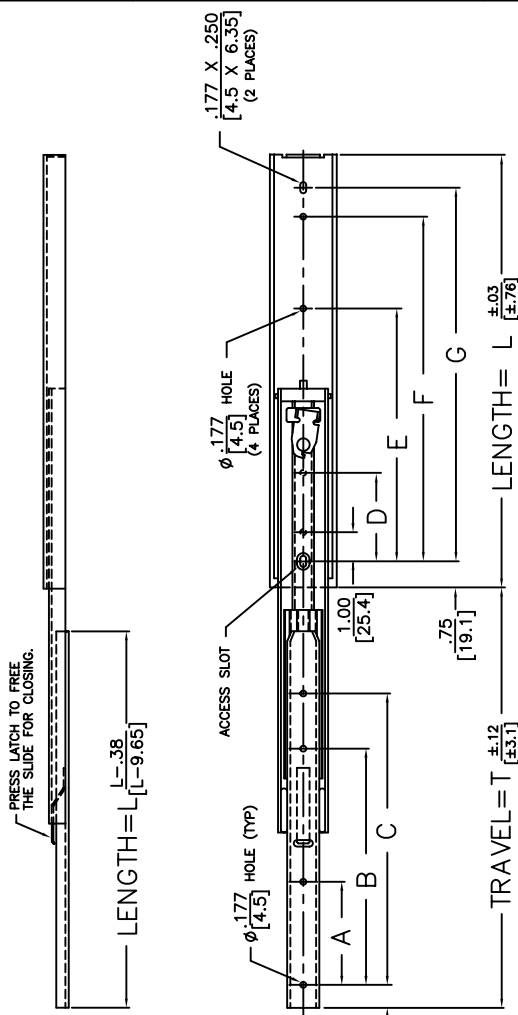
- 3700D-LOCKS OPEN  
3700DS-STOPS OPEN, FREE TO CLOSE WITHOUT ACTUATION OR DEPRESS TO DISCONNECT INNER CHANNEL.
- SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
- HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
- FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
- USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE SLIDE MEMBERS.
- SLIDE IS PROVIDED WITH LOCK (QD), STOP (QDS) OPEN FEATURE AND QUICK DISCONNECT.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SERIES	SLIDE LENGTH DIM.	SLIDE TRAVEL DIM.	MOUNTING HOLE PATTERN						LOAD RATING PER PAIR	
				A	B	C	D	E	F		G
3700D-12	12	13	13	3.000	9.000	9.000	5.500	10.500	10.500	175 LBS	
3700DS-12	12	304.8	330	76.20	228.60	228.60	139.70	241.30	266.70	80 KG	
3700D-14	14	15	15	4.000	11.000	11.000	4.000	11.500	12.500	170 LBS	
3700DS-14	14	355.6	381	101.60	279.40	279.40	101.60	215.90	282.10	77 KG	
3700D-16	16	17	17	4.500	13.000	13.000	5.000	13.500	14.500	160 LBS	
3700DS-16	16	406.4	432	114.30	330.20	330.20	127.00	241.30	342.90	73 KG	
3700D-18	18	19	19	5.500	15.000	15.000	5.500	11.000	15.500	150 LBS	
3700DS-18	18	457.2	483	139.70	383.06	383.06	139.70	279.40	393.70	68 KG	
3700D-20	20	21	21	6.000	17.000	17.000	6.000	12.500	17.500	145 LBS	
3700DS-20	20	508	533	152.40	431.80	431.80	152.40	317.50	444.50	66 KG	
3700D-22	22	23	23	7.000	19.000	19.000	7.000	13.500	19.500	20.500	140 LBS
3700DS-22	22	558.8	584	177.80	482.60	482.60	177.80	342.90	495.30	520.70	64 KG
3700D-24	24	25	25	7.500	15.000	21.000	7.500	15.000	21.500	135 LBS	
3700DS-24	24	609.6	635	190.50	381.00	533.40	190.50	381.00	546.10	57.150	
3700D-26	26	27	27	8.000	16.500	23.000	8.000	16.500	23.500	24.500	130 LBS
3700DS-26	26	660.4	686	203.20	419.10	584.20	203.20	419.10	596.90	622.30	59 KG
3700D-28	28	29	29	9.000	18.000	25.000	9.000	17.500	25.500	26.500	125 LBS
3700DS-28	28	711.2	737	228.60	457.20	635.00	228.60	444.50	647.70	673.10	57 KG
3700D-30	30	31	31	9.500	19.000	27.000	9.500	19.000	27.500	28.500	120 LBS
3700DS-30	30	762	787	241.30	482.60	665.60	241.30	482.60	698.50	723.90	55 KG



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DIMENSIONS SHOWN AS: IN. [MM]

SERIES 3700D/3700DS

DESCRIPTION: STEEL

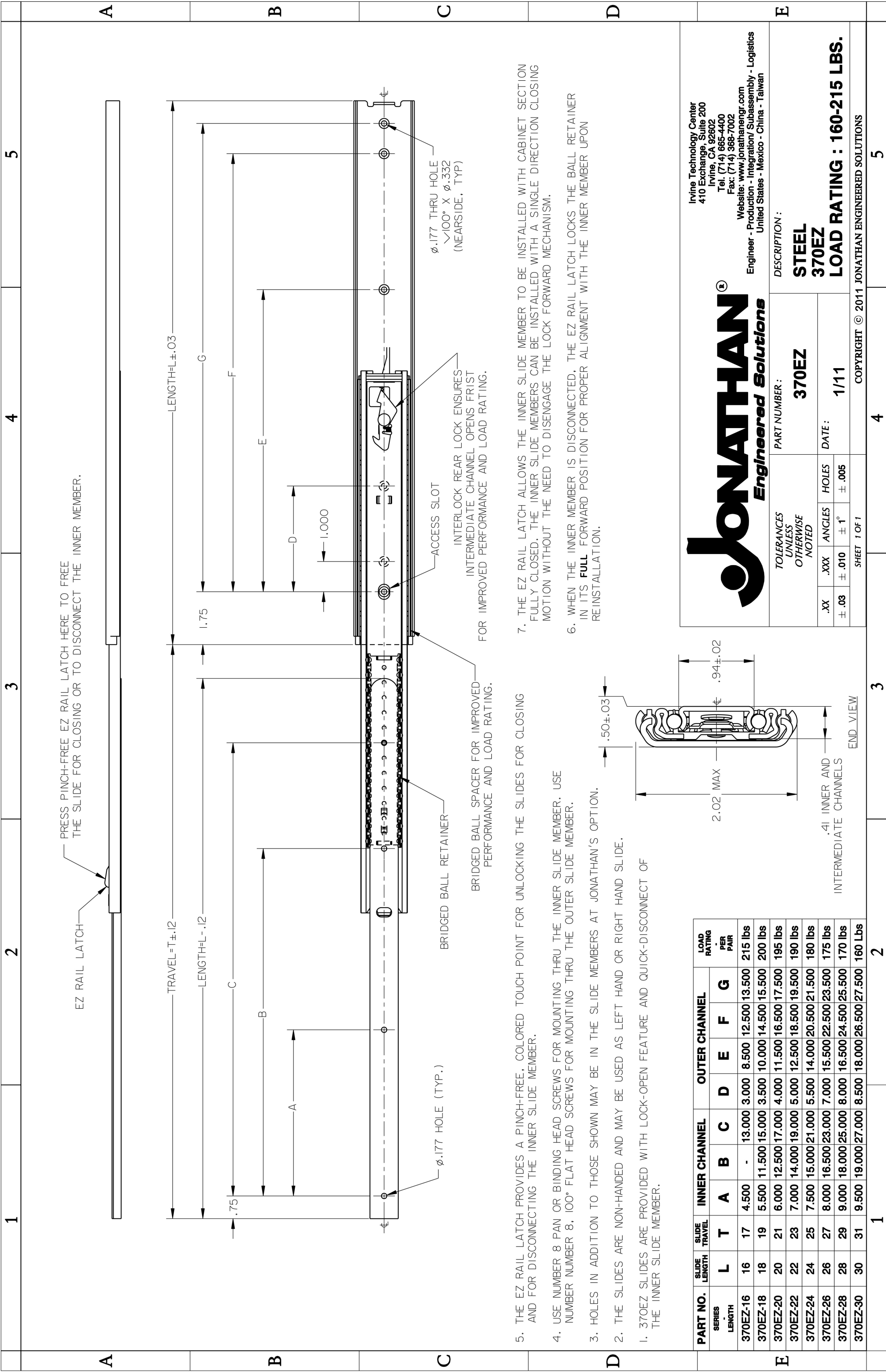
SERIES 3700D/3700DS

LOAD RATING: 120-175 LBS./ 55-80 KG.

DATE: 1/11

ANGLES ±1°

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PRESS PINCH-FREE EZ RAIL LATCH HERE TO FREE THE SLIDE FOR CLOSING OR TO DISCONNECT THE INNER MEMBER.

PRESS PINCH-FREE EZ RAIL LATCH HERE TO FREE THE SLIDE FOR CLOSING OR TO DISCONNECT THE INNER MEMBER.

LENGTH=L±.03

TRAVEL=T±.12

LENGTH=L-.12

G

.75

1.75

A

E

D

1.000

φ.177 HOLE (TYP.)

φ.177 THRU HOLE  
√100° X φ.332  
(NEAR SIDE, TYP)

BRIDGED BALL RETAINER

ACCESS SLOT

INTERLOCK REAR LOCK ENSURES INTERMEDIATE CHANNEL OPENS FIRST FOR IMPROVED PERFORMANCE AND LOAD RATING.

BRIDGED BALL SPACER FOR IMPROVED PERFORMANCE AND LOAD RATING.

5. THE EZ RAIL LATCH PROVIDES A PINCH-FREE, COLORED TOUCH POINT FOR UNLOCKING THE SLIDES FOR CLOSING AND FOR DISCONNECTING THE INNER SLIDE MEMBER.

4. USE NUMBER 8 PAN OR BINDING HEAD SCREWS FOR MOUNTING THRU THE INNER SLIDE MEMBER. USE NUMBER NUMBER 8, 100° FLAT HEAD SCREWS FOR MOUNTING THRU THE OUTER SLIDE MEMBER.

3. HOLES IN ADDITION TO THOSE SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN'S OPTION.

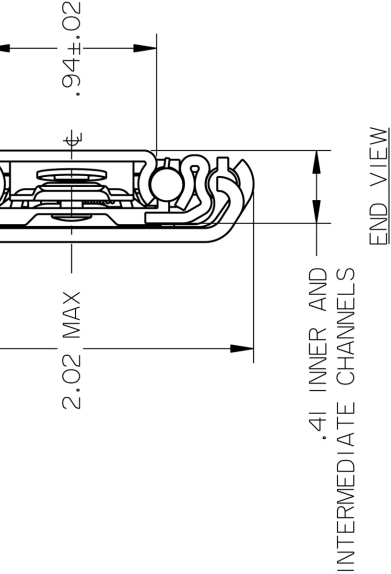
2. THE SLIDES ARE NON-HANDED AND MAY BE USED AS LEFT HAND OR RIGHT HAND SLIDE.

1. 370EZ SLIDES ARE PROVIDED WITH LOCK-OPEN FEATURE AND QUICK-DISCONNECT OF THE INNER SLIDE MEMBER.

7. THE EZ RAIL LATCH ALLOWS THE INNER SLIDE MEMBER TO BE INSTALLED WITH CABINET SECTION FULLY CLOSED. THE INNER SLIDE MEMBERS CAN BE INSTALLED WITH A SINGLE DIRECTION CLOSING MOTION WITHOUT THE NEED TO DISENGAGE THE LOCK FORWARD MECHANISM.

6. WHEN THE INNER MEMBER IS DISCONNECTED, THE EZ RAIL LATCH LOCKS THE BALL RETAINER IN ITS FULL FORWARD POSITION FOR PROPER ALIGNMENT WITH THE INNER MEMBER UPON REINSTALLATION.

PART NO.	SERIES LENGTH	SLIDE LENGTH L	SLIDE TRAVEL T	INNER CHANNEL			OUTER CHANNEL			LOAD RATING PER PAIR
				A	B	C	D	E	F	
370EZ-16	16	17	4.50	-	13.000	3.000	8.500	12.500	13.500	215 lbs
370EZ-18	18	19	5.50	11.500	15.000	3.500	10.000	14.500	15.500	200 lbs
370EZ-20	20	21	6.00	12.500	17.000	4.000	11.500	16.500	17.500	195 lbs
370EZ-22	22	23	7.00	14.000	19.000	5.000	12.500	18.500	19.500	190 lbs
370EZ-24	24	25	7.50	15.000	21.000	5.500	14.000	20.500	21.500	180 lbs
370EZ-26	26	27	8.00	16.500	23.000	7.000	15.500	22.500	23.500	175 lbs
370EZ-28	28	29	9.00	18.000	25.000	8.000	16.500	24.500	25.500	170 lbs
370EZ-30	30	31	9.50	19.000	27.000	8.500	18.000	26.500	27.500	160 lbs



END VIEW

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TOLERANCES UNLESS OTHERWISE NOTED	PART NUMBER: 370EZ	DESCRIPTION: STEEL 370EZ LOAD RATING : 160-215 LBS.
.XX	.XXX	ANGLES
± .03	± .010	± 1°
HOLES		DATE: 1/11
± .005		
SHEET 1 OF 1		

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1

2

3

4

5

A

B

C

D

E

1

2

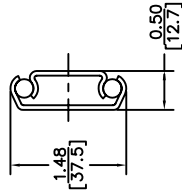
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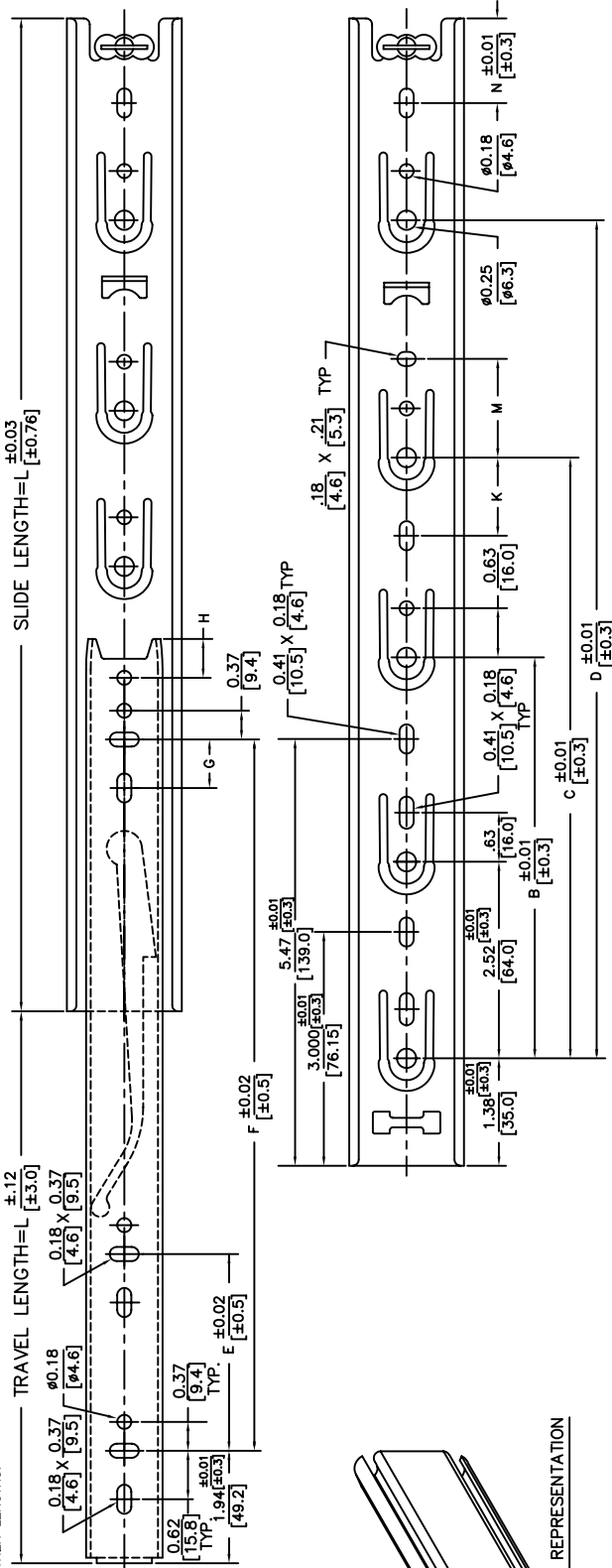
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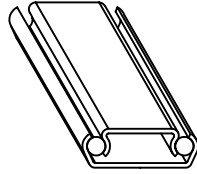
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. DETENT CLOSED
4. STOP OPEN AND INNER MEMBER DISCONNECT
5. LOAD RATING 75 LBS. (34 KG.) FOR 18" SLIDE - PLEASE CONTACT JONATHAN FOR LOAD RATINGS OF OTHER LENGTHS.



END VIEW



ISOMETRIC REPRESENTATION



\* Please refer to the website [www.JonathanEngr.com](http://www.JonathanEngr.com) for the latest up-to-date dimensions.

PART NO	SLIDE LENGTH	SLIDE DIM.	MOUNTING HOLE PATTERN												
			INNER CHANNEL						OUTER CHANNEL						
LENGTH	L	T	B	C	D	E	F	G	H	K	M	N			
372-10	10	5.9											.55	1.37	
	254.25	151.0											14.0	33.4	
372-12	14	8.6	8.82	3.78									.55		
	305.05	225.0	224.0	96.0									14.0		
372-14	14	9.8	13.9	3.78	13.9										
	355.85	250.0	256.0	96.0	256.0										
372-16	16	11.6	8.82	6.30	12.60	9.63									
	406.65	295.0	224.0	288.0	160.0	320.0	244.6								
372-18	18	13.2	8.82	13.86	6.29	13.85							1.00	1.27	
	457.45	335.0	224.0	352.0	159.7	351.7							25.45	32.15	
372-20	20	14.8	8.82	13.86	7.56	16.38	0.62						1.00	1.27	
	508.25	375.0	224.0	352.0	192.0	416.0	15.8						25.45	32.15	
372-22	22	16.5	8.82	13.86	8.82	18.90	0.62						1.27	2.28	
	559.05	420.0	224.0	352.0	224.0	480.0	15.8						32.15	57.8	
372-24	24	17.9	8.82	13.86	18.90	13.9	20.16	0.62					1.76	1.76	
	608.85	455.0	224.0	352.0	256.0	512.0	15.8						25.45	44.8	
372-26	26	19.3	8.82	13.86	21.42	13.9	22.68	0.62					1.00	1.27	
	660.65	495.0	224.0	352.0	256.0	576.0	15.8						25.45	37.8	
372-28	28	20.9	8.82	13.86	21.42	13.9	25.94	0.62					1.00	1.27	
	711.45	530.0	224.0	352.0	256.0	608.0	15.8						25.45	52.2	

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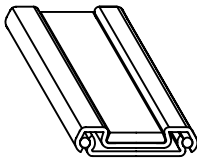
DIMENSIONS SHOWN AS:	SERIES	DESCRIPTION:
IN.	372	STEEL
UNLESS OTHERWISE NOTED		SERIES 372
XX ±.030		LOAD RATING: 75 LBS./ 34 KG.
XX ±.8	DATE: 1/11	
XX ±.010		
XX ±.25		
ANGLES ±1°		

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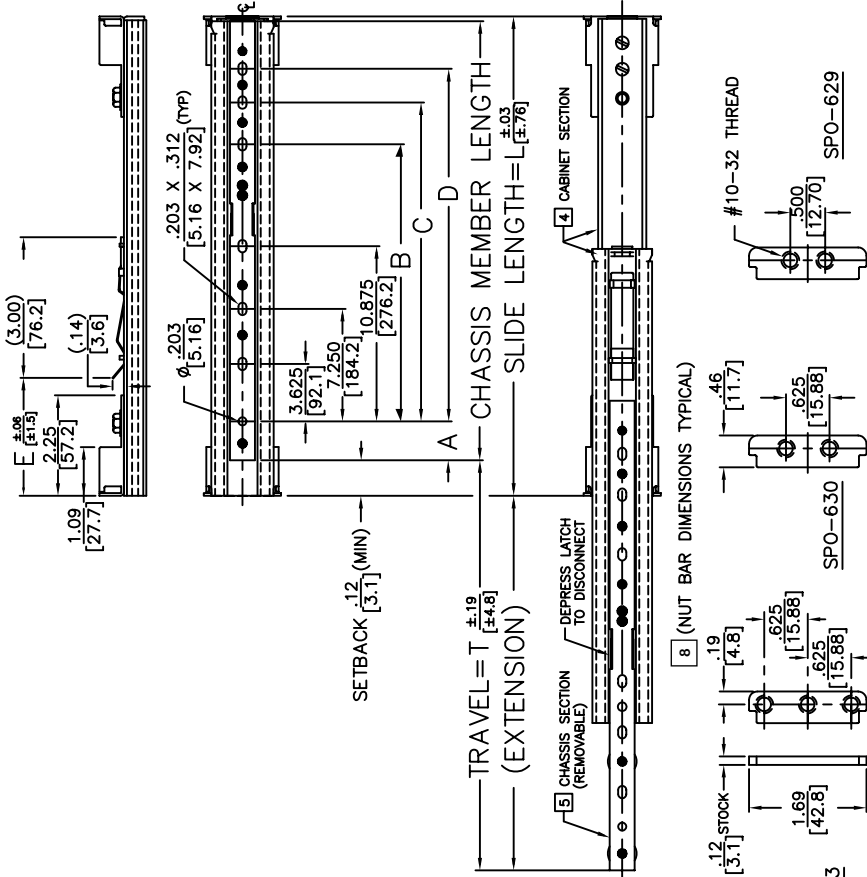
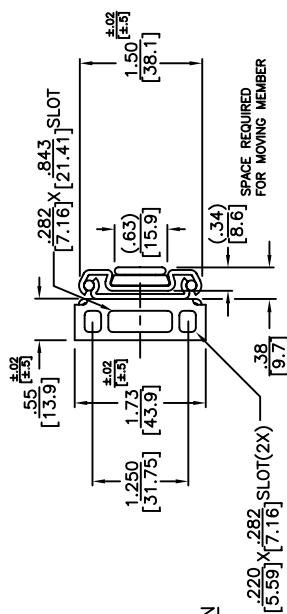


NOTES:

- SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
- HOLE OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
- CHASSIS MEMBERS ARE INTERCHANGEABLE.
- CABINET SECTION PART NUMBER: 375QD-(LENGTH)-A
- CHASSIS SECTION PART NUMBER: 375QD-(LENGTH)-B
- MOUNTING BRACKETS (PART NUMBER SPO-622) AND HARDWARE TO MOUNT BRACKETS TO THE SLIDE ARE SUPPLIED.
- BRACKET SPO-622 PROVIDES A MOUNTING ADJUSTMENT RANGE OF: ±.50 IN / ±12 MM
- EXTENDED BRACKET SPO-683 PROVIDES A MOUNTING ADJUSTMENT RANGE OF: -.50 IN (TO) + 6.00 IN (FROM) / ±12 MM (TO) + 152 MM (FROM)
- BAR NUTS ARE TO BE ORDERED SEPARATELY AND ARE AVAILABLE WITH THREE MOUNTING HOLE OPTIONS TO SUIT VARYING RAIL/SIDE LOCATIONS. THE BAR NUTS ARE AVAILABLE WITH EITHER METRIC OR INCH MOUNTING EASE (PATENT APPLIED FOR). TWO BAR NUTS ARE REQUIRED FOR EACH SLIDE.
- TRAVEL STATED IS BASED ON SETBACK DIMENSION LISTED. SETBACK MAY BE DECREASED TO .12 MIN. AS REQUIRED. THE TRAVEL WILL BE DIMINISHED BY .015 IN (0.4 MM) FOR EACH INCH (25.4 MM) OF CONSTANT AS A MODIFICATION OF SETBACK ONLY AFFECTS TRAVEL.
- TO ORDER SLIDE WITHOUT BRACKETS: 375QD-XX-1 (XX = SLIDE LENGTH)
- USE #10 PAN OR BINDER HEAD SCREWS FOR MOUNTING CHASSIS



ISOMETRIC REPRESENTATION



PART NO. SERIES LENGTH	SLIDE/SLIDE TRAVEL DIM.		EXTENSION (REFERENCE)	CHASSIS MEMBER LENGTH	SETBACK ±.06 [±1.5]	MOUNTING HOLE PATTERN				REAR LOCK LOCATION	LOAD RATING PER PAIR			
	L	T				A	B	C	D			E		
375QD-14	14	15	14.88	13.75	1.16					3.53	85 LBS			
	356	381	377.8	3.1	349.3	29.5				89.7	39 KG			
375QD-16	16	17	14.88	13.75	1.16					4.97	80 LBS			
	406	432	377.8	3.1	349.3	29.5				126.2	36 KG			
375QD-18	18	19	14.88	13.75	1.16					2.84	75 LBS			
	457	483	377.8	104.7	349.3	29.5				72.1	34 KG			
375QD-20	20	21	20.88	19.75	3.54	14.500				5.84	70 LBS			
	508	533	530.2	3.1	501.7	89.9	368.30			148.3	32 KG			
375QD-22	22	23	20.88	19.75	3.54	14.500				7.34	65 LBS			
	559	584	530.2	3.1	501.7	89.9	368.30			186.4	29 KG			
375QD-24	24	25	20.88	19.75	3.54	14.500				7.34	60 LBS			
	610	635	530.2	104.7	501.7	89.9	368.30			186.4	27 KG			
375QD-26	26	27	24.88	23.75	4.12	23.75				14.500	18.125	21.750	7.72	50 LBS
	660	686	631.8	53.9	603.3	7.4	368.30	460.38	552.45	196.1	23 KG			
375QD-28	28	29	24.88	23.75	4.12	23.75				14.500	18.125	21.750	7.72	50 LBS
	711	737	631.8	104.7	603.3	7.4	368.30	460.38	552.45	196.1	23 KG			

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DESCRIPTION: STEEL  
SERIES 375QD  
LOAD RATING: 75 LBS./ 34 KG.

DATE: 1/11

ANGLES ±1°

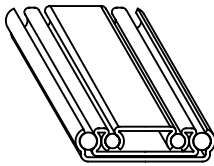
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1 2 3 4 5 6

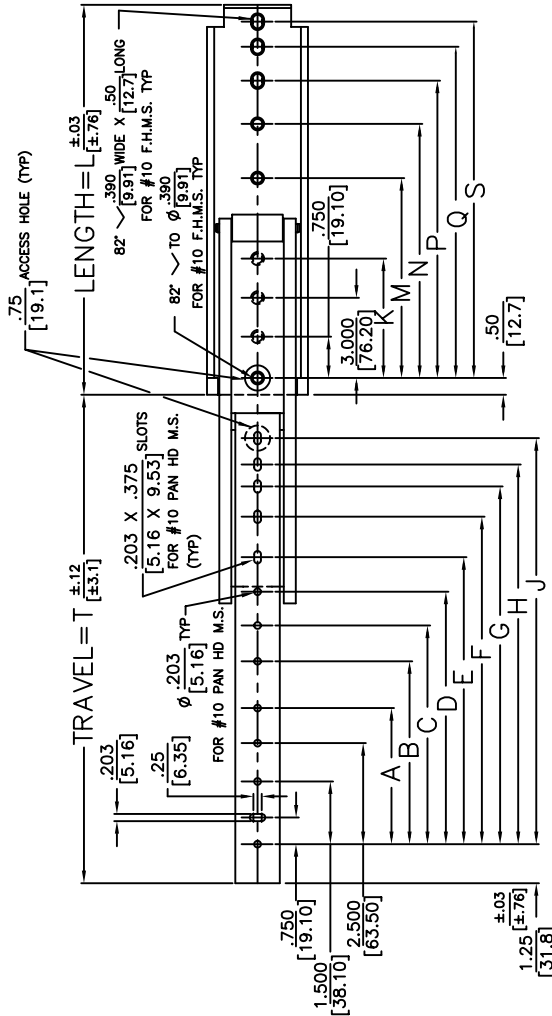
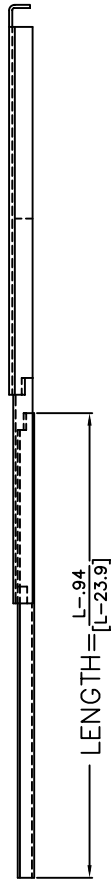
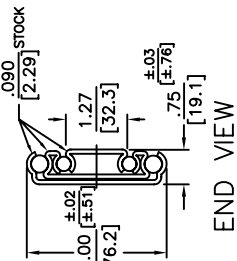
1 2 3 4 5 6

**NOTES:**

1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
4. NON METALLIC STOPS OPEN AND CLOSED.
5. SLIDE IS AVAILABLE IN STANDARD LENGTH BEYOND 36.00 IN. CONTACT JONATHAN FOR SPECIFIC MOUNTING 914.4 MM HOLE PATTERNS.
6. USE #10 PAN HEAD MACHINE SCREWS ON THE INNER MEMBER
7. USE #10 (82) FLAT HEAD MACHINE SCREWS ON THE OUTER MEMBER



ISOMETRIC REPRESENTATION



PART NO.	SLIDE LENGTH	TRAVEL	MOUNTING HOLE PATTERN													LOAD RATING		
			INNER CHANNEL						OUTER CHANNEL									
SERIES	L	T	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	S	PAIR
432-12	12	12	302.8	304.8					6.08	7.06	7.61	8.56	9.50	10.25	11.00	11.75	12.50	300
432-14	14	14	355.8	355.6					8.08	9.06	9.81	10.56	11.50	12.25	13.00	13.75	14.50	300
432-16	16	16	408.8	408.6					10.08	11.06	11.81	12.56	13.50	14.25	15.00	15.75	16.50	300
432-18	18	18	461.8	461.6					12.08	13.06	13.81	14.56	15.50	16.25	17.00	17.75	18.50	300
432-20	20	20	514.8	514.6					14.08	15.06	15.81	16.56	17.50	18.25	19.00	19.75	20.50	300
432-22	22	22	567.8	567.6					16.08	17.06	17.81	18.56	19.50	20.25	21.00	21.75	22.50	300
432-24	24	24	620.8	620.6					18.08	19.06	19.81	20.56	21.50	22.25	23.00	23.75	24.50	300
432-26	26	26	673.8	673.6					20.08	21.06	21.81	22.56	23.50	24.25	25.00	25.75	26.50	300
432-28	28	28	726.8	726.6					22.08	23.06	23.81	24.56	25.50	26.25	27.00	27.75	28.50	300
432-30	30	30	779.8	779.6					24.08	25.06	25.81	26.56	27.50	28.25	29.00	29.75	30.50	300
432-32	32	32	832.8	832.6					26.08	27.06	27.81	28.56	29.50	30.25	31.00	31.75	32.50	300
432-34	34	34	885.8	885.6					28.08	29.06	29.81	30.56	31.50	32.25	33.00	33.75	34.50	300
432-36	36	36	938.8	938.6					30.08	31.06	31.81	32.56	33.50	34.25	35.00	35.75	36.50	300

**JONATHAN**  
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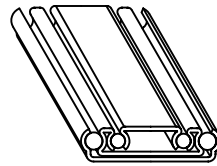
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410 Exchange, Suite 200  
Irvine, CA 92602  
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DIMENSIONS SHOWN AS:	IN.	
	[MM]	
TOLERANCE UNLESS OTHERWISE NOTED		
.XX	±.030	
.XX	[±.8]	
.XXX	±.010	
.XX	[±.25]	
ANGLES	±1°	
SERIES	432	DESCRIPTION:
		STEEL
		SERIES 432
		LOAD RATING: 224-300 LBS./ 102-136 KG.
		500 LBS. LOAD RATING AVAILABLE
DATE:	1/11	
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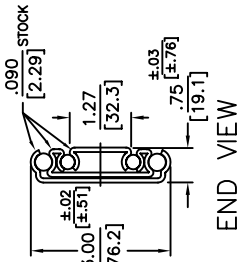
1 2 3 4 5 6

**NOTES:**

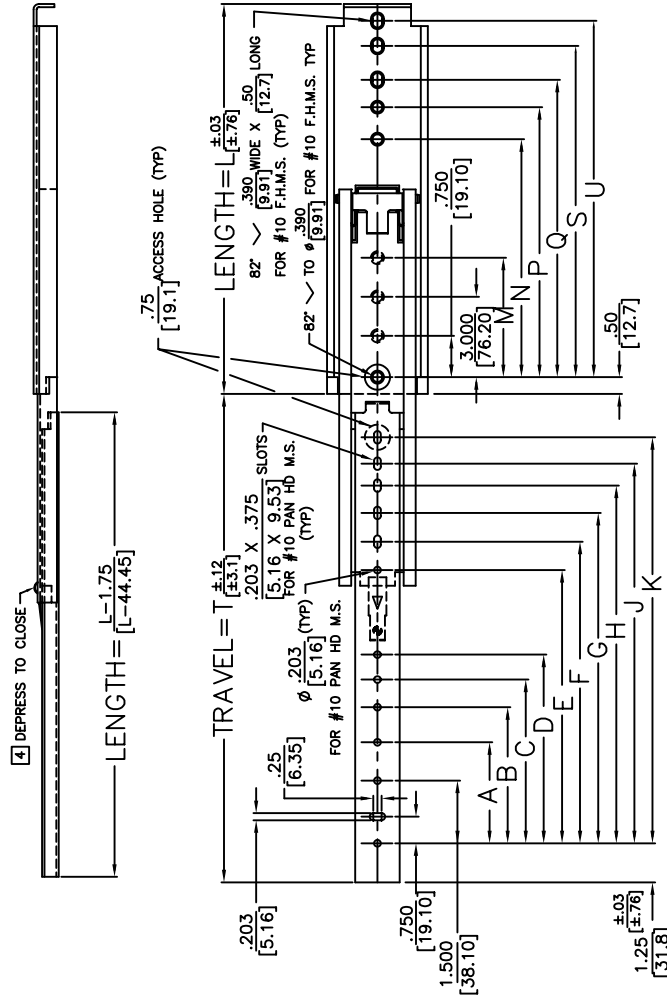
1. SLIDE IS SYMMETRICAL. MAY BE USED AS LEFT OR RIGHT HAND SLIDE.
2. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
3. FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
4. SLIDE IS PROVIDED WITH LOCK OPEN FEATURE.
5. USE #10 PAN HEAD MACHINE SCREWS ON THE INNER MEMBER.
6. USE #10 (82) FLAT HEAD MACHINE SCREWS ON THE OUTER MEMBER.



ISOMETRIC REPRESENTATION



END VIEW



PART NO.	SLIDE DIM.		MOUNTING HOLE PATTERN													LOAD RATING PER PAIR				
	INCH	MM	A	B	C	D	E	F	G	H	J	K	M	N	P		Q	S	U	
433-12	12	304.8	5.25	6.25	7.00	7.75											8.00	10.25	11.00	300 LBS
433-14	14	354.3	5.25	6.25	7.00	7.75	13.75	16.50	17.75	18.75							8.00	10.25	11.00	300 LBS
433-16	16	406.4	5.25	6.25	7.00	7.75	14.25	17.00	18.25	19.25							8.00	10.25	11.00	300 LBS
433-18	18	457.0	5.25	6.25	7.00	7.75	14.75	17.50	18.75	19.75							8.00	10.25	11.00	300 LBS
433-20	20	508.0	5.25	6.25	7.00	7.75	15.25	18.00	19.25	20.25							8.00	10.25	11.00	300 LBS
433-22	22	559.8	5.25	6.25	7.00	7.75	15.75	18.50	19.75	20.75							8.00	10.25	11.00	300 LBS
433-24	24	611.6	5.25	6.25	7.00	7.75	16.25	19.00	20.25	21.25							8.00	10.25	11.00	300 LBS
433-26	26	663.4	5.25	6.25	7.00	7.75	16.75	19.50	20.75	21.75							8.00	10.25	11.00	300 LBS
433-28	28	715.2	5.25	6.25	7.00	7.75	17.25	20.00	21.25	22.25							8.00	10.25	11.00	300 LBS
433-30	30	767.0	5.25	6.25	7.00	7.75	17.75	20.50	21.75	22.75							8.00	10.25	11.00	300 LBS
433-32	32	818.8	5.25	6.25	7.00	7.75	18.25	21.00	22.25	23.25							8.00	10.25	11.00	300 LBS
433-34	34	870.6	5.25	6.25	7.00	7.75	18.75	21.50	22.75	23.75							8.00	10.25	11.00	300 LBS
433-36	36	922.4	5.25	6.25	7.00	7.75	19.25	22.00	23.25	24.25							8.00	10.25	11.00	300 LBS



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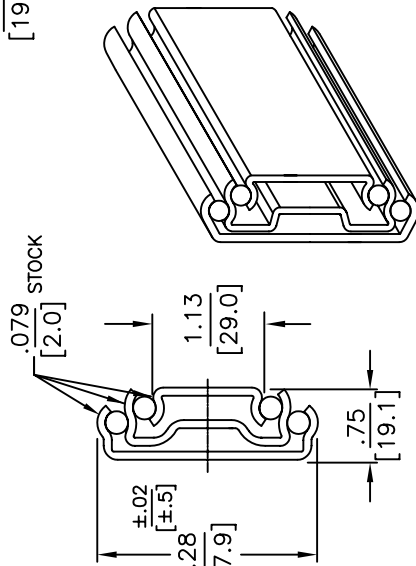
DESCRIPTION:	STEEL
SERIES	433
LOAD RATING:	224-300 LBS./ 102-136 KG.
DATE:	1/11
ANGLES	±1°

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1 2 3 4 5 6

**NOTES:**

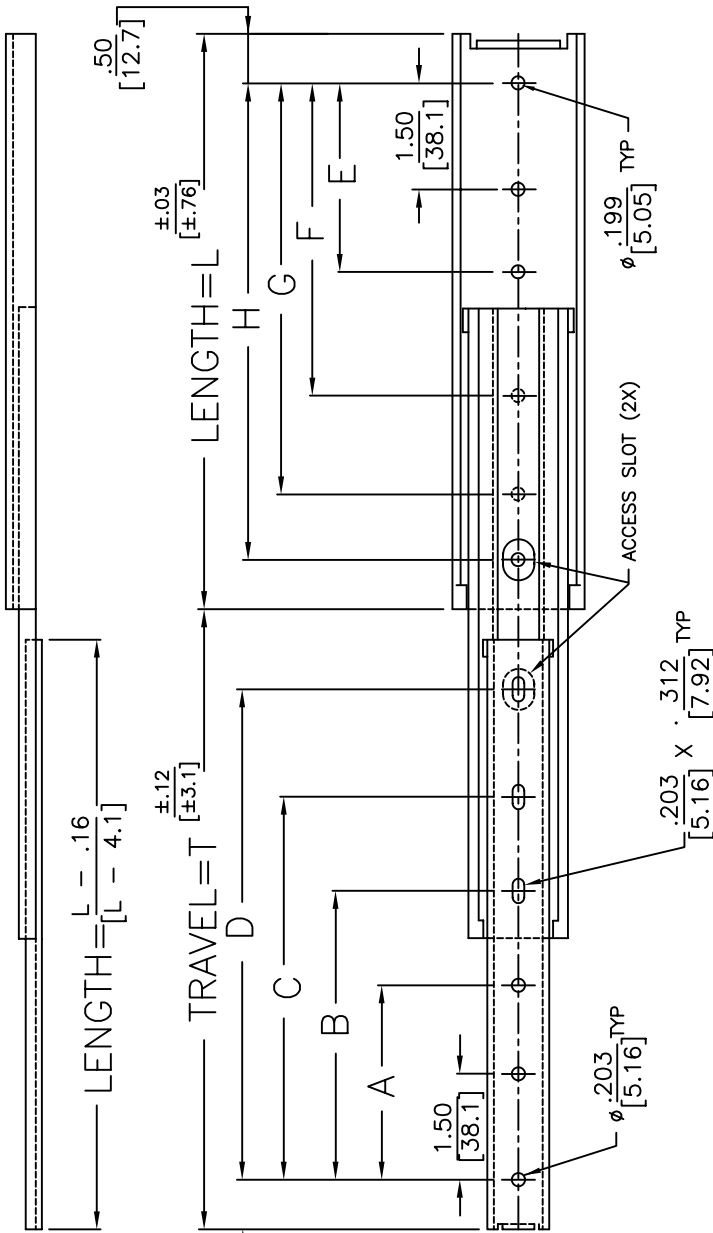
- USE NUMBER #10 PAN OR BINDING HEAD SCREWS FOR MOUNTING THROUGH THE SLIDE MEMBERS.
- FOR "EIA/RETMA" BRACKETS, SEE BRACKETRY SECTION.
- HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
- THE SLIDE IS SYMMETRICAL, IT MAY BE USED AS LEFT OR RIGHT HAND SLIDE.



**END VIEW ISOMETRIC REPRESENTATION**

\* Please refer to the website [www.JonathanEngr.com](http://www.JonathanEngr.com) for the latest up-to-date dimensions.

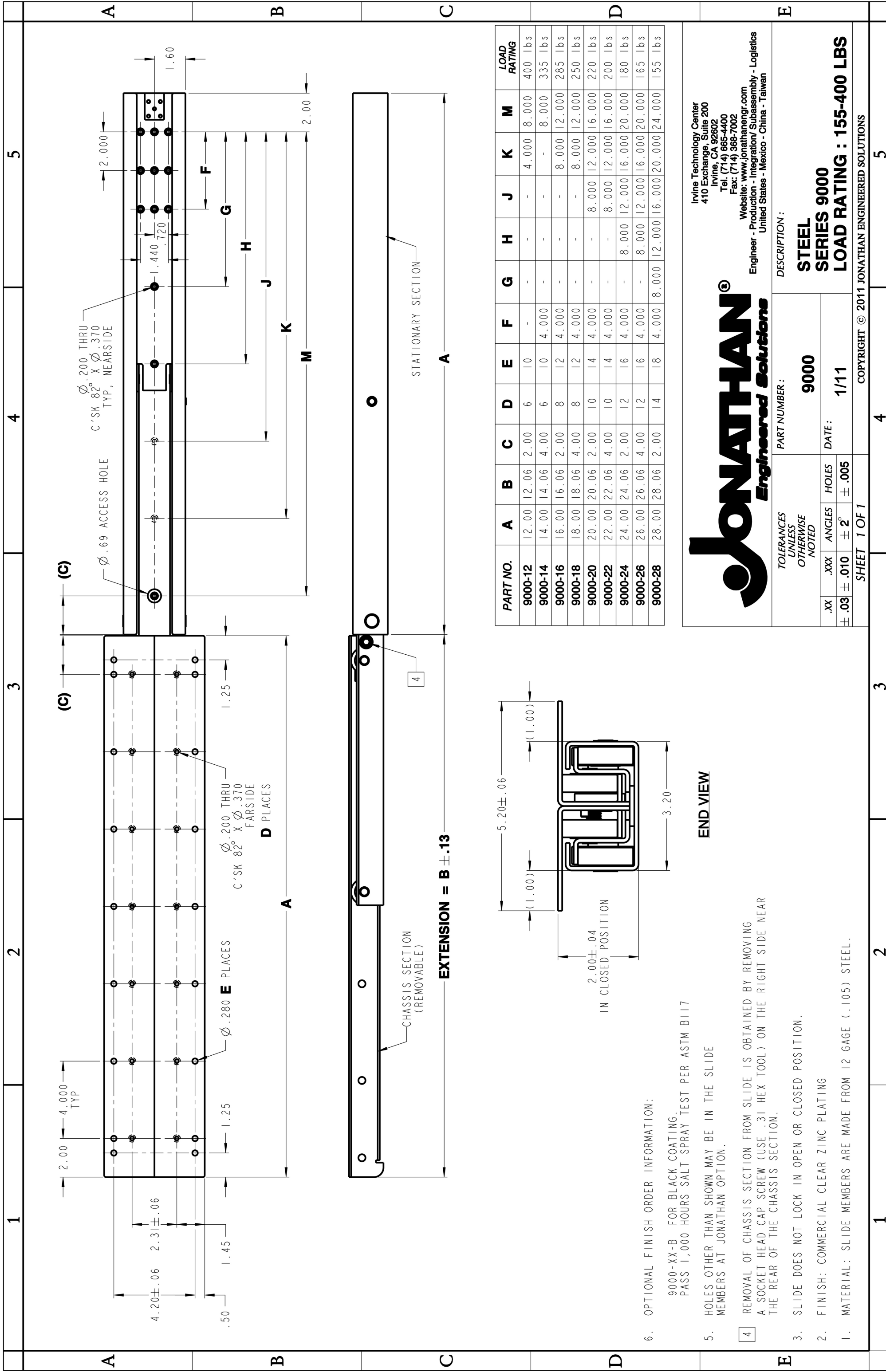
PART NO.	SERIES	SLIDE LENGTH	TRAVEL	MOUNTING HOLE PATTERN											LOAD RATING	PER PAIR
				INNER CHANNEL					OUTER CHANNEL							
DIM.	DIM.	L	T	A	B	C	D	E	F	G	H					
477-12	12	3.000	7.50	9.00	10.38	4.000	8.250	9.250	10.750	230	LBS					
477-13	13	3.330	76.20	190.5	228.6	263.7	101.60	209.60	235.00	273.10	104	KG				
477-14	14	4.000	8.50	11.00	12.38	5.000	9.750	11.250	12.750	220	LBS					
477-15	15	4.330	101.60	215.9	279.4	314.5	127.00	247.70	285.80	323.90	100	KG				
477-16	16	5.000	9.50	13.00	14.38	6.000	10.750	13.250	14.750	210	LBS					
477-17	17	5.330	127.00	241.3	330.2	365.3	152.40	273.10	336.60	374.70	95	KG				
477-18	18	6.000	10.50	15.00	16.38	7.000	11.750	15.250	16.750	200	LBS					
477-19	19	6.330	152.40	266.7	381.0	416.1	177.80	298.50	387.40	425.50	91	KG				
477-20	20	7.000	11.50	17.00	18.38	8.000	12.750	17.250	18.750	193	LBS					
477-21	21	7.330	177.80	292.1	431.8	466.9	203.20	323.90	438.20	476.30	88	KG				
477-22	22	8.000	12.50	19.00	20.38	9.000	13.750	19.250	20.750	180	LBS					
477-23	23	8.330	203.20	317.5	482.6	517.7	228.60	349.30	489.00	527.10	82	KG				
477-24	24	9.000	13.50	21.00	22.38	10.000	14.750	21.250	22.750	170	LBS					
477-25	25	9.330	228.60	342.9	533.4	568.5	254.00	374.70	539.80	577.90	77	KG				
477-26	26	10.000	14.50	23.00	24.38	11.000	15.750	23.250	24.750	160	LBS					
477-27	27	10.330	254.00	368.3	584.2	619.3	279.40	400.10	590.60	628.70	73	KG				
477-28	28	11.000	15.50	25.00	26.38	12.000	16.750	25.250	26.750	150	LBS					
477-29	29	11.330	279.40	393.7	635.0	670.1	304.80	425.50	641.40	679.50	68	KG				
477-30	30	12.000	16.50	27.00	28.38	13.000	17.750	27.250	28.750	140	LBS					
477-31	31	12.330	304.80	419.1	685.8	720.9	330.20	450.90	692.20	730.30	64	KG				



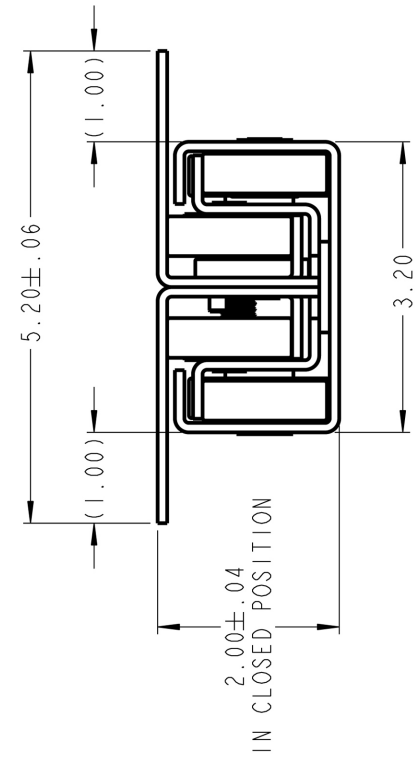
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SERIES 477  
 DATE: 1/11  
 DESCRIPTION: STEEL  
 SERIES 477  
 LOAD RATING 140-230 LBS / 64-104 KG  
 DIMENSIONS SHOWN AS: IN. [MM]  
 TOLERANCE UNLESS OTHERWISE NOTED  
 .XX ±.030  
 .X ±.010  
 .XX ±.25  
 ANGLES ±1°



**EXTENSION = B ± .13**



6. OPTIONAL FINISH ORDER INFORMATION:  
 9000-XX-B FOR BLACK COATING.  
 PASS 1,000 HOURS SALT SPRAY TEST PER ASTM B117
5. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
4. REMOVAL OF CHASSIS SECTION FROM SLIDE IS OBTAINED BY REMOVING A SOCKET HEAD CAP SCREW (USE .31 HEX TOOL) ON THE RIGHT SIDE NEAR THE REAR OF THE CHASSIS SECTION.
3. SLIDE DOES NOT LOCK IN OPEN OR CLOSED POSITION.
2. FINISH: COMMERCIAL CLEAR ZINC PLATING
1. MATERIAL: SLIDE MEMBERS ARE MADE FROM 12 GAGE (.105) STEEL.

PART NO.	A	B	C	D	E	F	G	H	J	K	M	LOAD RATING
9000-12	12.00	12.06	2.00	6	10	-	-	-	-	4.000	8.000	400 lbs
9000-14	14.00	14.06	4.00	6	10	4.000	-	-	-	-	8.000	335 lbs
9000-16	16.00	16.06	2.00	8	12	4.000	-	-	-	8.000	12.000	285 lbs
9000-18	18.00	18.06	4.00	8	12	4.000	-	-	-	8.000	12.000	250 lbs
9000-20	20.00	20.06	2.00	10	14	4.000	-	-	8.000	12.000	16.000	220 lbs
9000-22	22.00	22.06	4.00	10	14	4.000	-	-	8.000	12.000	16.000	200 lbs
9000-24	24.00	24.06	2.00	12	16	4.000	-	8.000	12.000	16.000	20.000	180 lbs
9000-26	26.00	26.06	4.00	12	16	4.000	-	8.000	12.000	16.000	20.000	165 lbs
9000-28	28.00	28.06	2.00	14	18	4.000	8.000	12.000	16.000	20.000	24.000	155 lbs

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DESCRIPTION:  
**STEEL  
 SERIES 9000  
 LOAD RATING : 155-400 LBS**

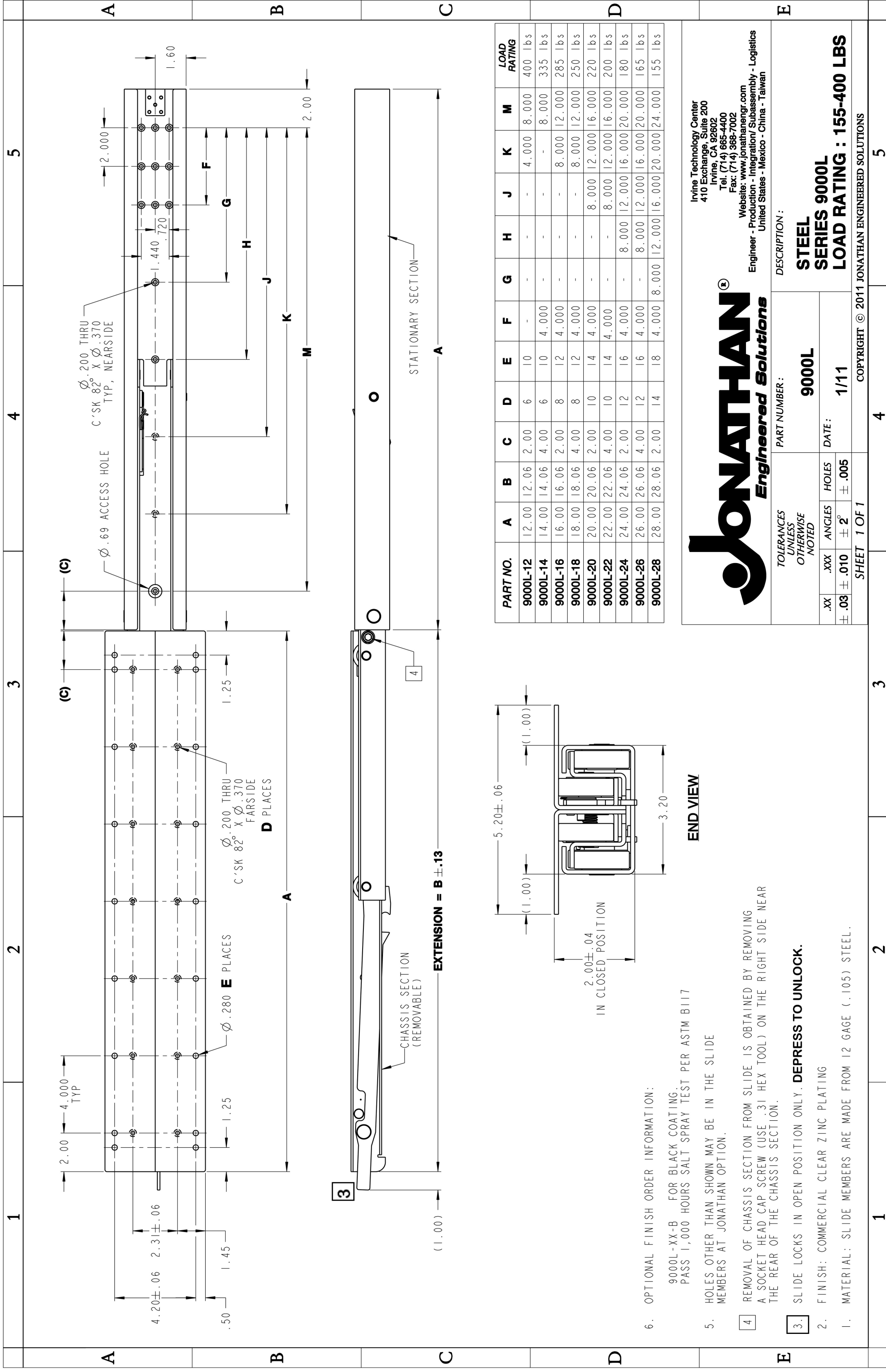
TOLERANCES UNLESS OTHERWISE NOTED

PART NUMBER: **9000**

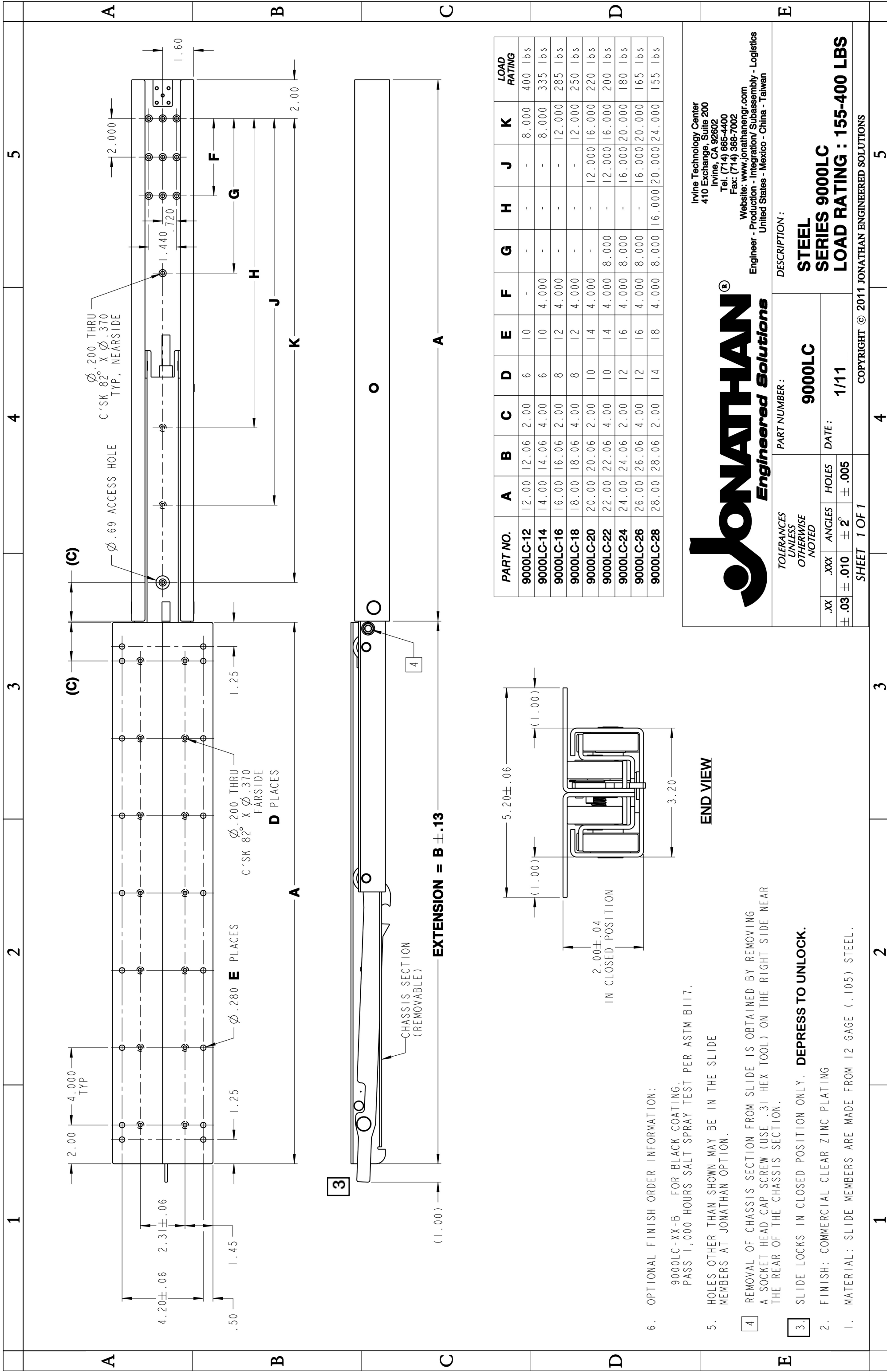
.XX	.XXX	ANGLES	HOLES	DATE:
± .03	± .010	± 2°	± .005	1/11

SHEET 1 OF 1

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PART NO.	A	B	C	D	E	F	G	H	J	K	LOAD RATING
9000LC-12	12.00	12.06	2.00	6	10	-	-	-	-	8.000	400 lbs
9000LC-14	14.00	14.06	4.00	6	10	4.000	-	-	-	8.000	335 lbs
9000LC-16	16.00	16.06	2.00	8	12	4.000	-	-	-	12.000	285 lbs
9000LC-18	18.00	18.06	4.00	8	12	4.000	-	-	-	12.000	250 lbs
9000LC-20	20.00	20.06	2.00	10	14	4.000	-	-	12.000	16.000	220 lbs
9000LC-22	22.00	22.06	4.00	10	14	4.000	8.000	-	12.000	16.000	200 lbs
9000LC-24	24.00	24.06	2.00	12	16	4.000	8.000	-	16.000	20.000	180 lbs
9000LC-26	26.00	26.06	4.00	12	16	4.000	8.000	-	16.000	20.000	165 lbs
9000LC-28	28.00	28.06	2.00	14	18	4.000	8.000	16.000	20.000	24.000	155 lbs

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TOLERANCES UNLESS OTHERWISE NOTED		PART NUMBER: 9000LC	
.XX	.XXX	ANGLES	HOLES
$\pm .03$	$\pm .010$	$\pm 2^\circ$	$\pm .005$
SHEET 1 OF 1		DATE:	1/11
DESCRIPTION: STEEL SERIES 9000LC LOAD RATING : 155-400 LBS			
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6. OPTIONAL FINISH ORDER INFORMATION:  
9000LC-XX-B FOR BLACK COATING.  
PASS 1,000 HOURS SALT SPRAY TEST PER ASTM B117.
5. HOLES OTHER THAN SHOWN MAY BE IN THE SLIDE MEMBERS AT JONATHAN OPTION.
4. REMOVAL OF CHASSIS SECTION FROM SLIDE IS OBTAINED BY REMOVING A SOCKET HEAD CAP SCREW (USE .31 HEX TOOL) ON THE RIGHT SIDE NEAR THE REAR OF THE CHASSIS SECTION.
3. SLIDE LOCKS IN CLOSED POSITION ONLY. **DEPRESS TO UNLOCK.**
2. FINISH: COMMERCIAL CLEAR ZINC PLATING
1. MATERIAL: SLIDE MEMBERS ARE MADE FROM 12 GAGE (.105) STEEL.

