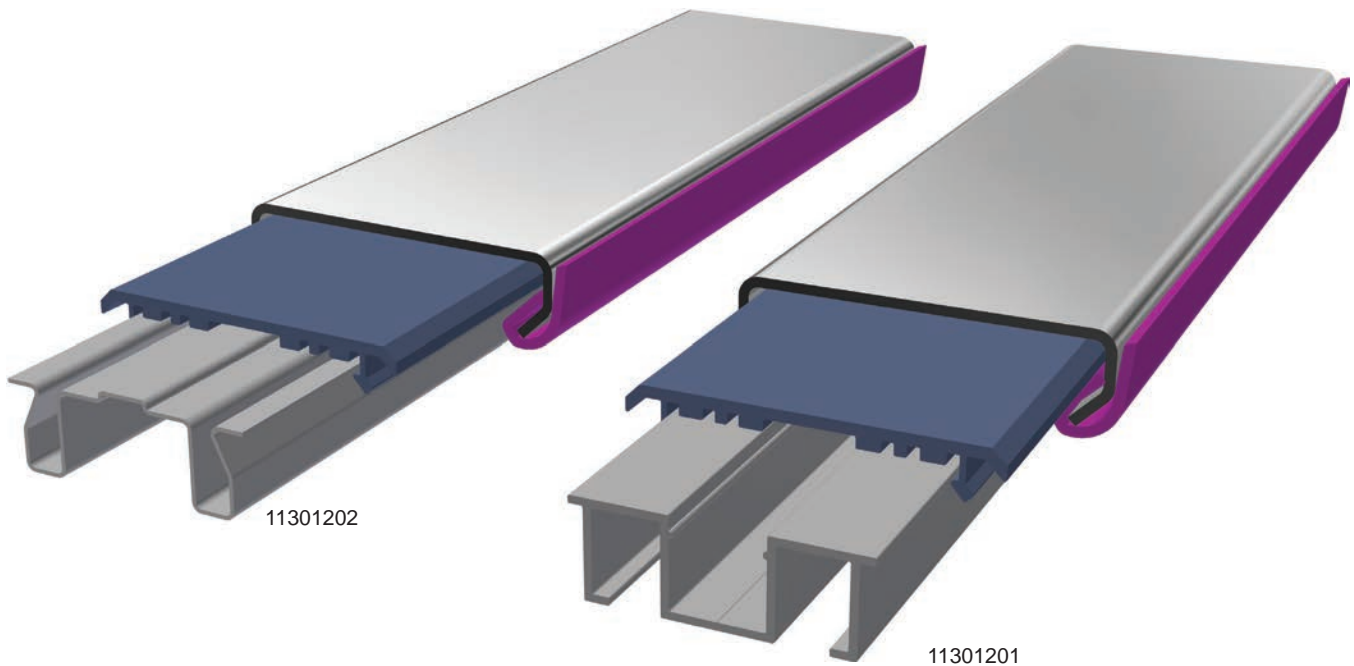


# J-MAX™ FLOOR

KEITH Manufacturing Co.  
www.KeithWalkingFloor.com  
World Headquarters  
Toll-Free: 800-547-6161  
Phone: +1-541-475-3802



## PARTS CATALOG

Original Instructions

## Table of Contents

Contact Information - KEITH Manufacturing Co.	i
Service Information	1
Special Tool	1
Pre-Order Information Required	2
1.1 Determine Quantity of Floor Slats	2
1.2 Dimensions 'A', 'B' & 'C' Measured from Trailer	3
1.3 Slat configuration	3
Slat Assembly Configurations	4
Slat Assemblies with END PLUGS	5
Slat Assemblies for T-BLOCKS	7
Floor Components	9
T-Block Components	10
Misc Components	11
Bolt Torque Chart	12
Sub-Deck Alignment Jigs	12

## Contact Information - KEITH Manufacturing Co.

### World Headquarters - USA

401 NW Adler St.  
P.O. Box 1  
Madras, OR 97741  
Toll-Free: 800-547-6161  
Phone: +1-541-475-3802  
Email: Sales@KeithWalkingFloor.com  
Email: TechDept@KeithWalkingFloor.com

### KEITH WALKING FLOOR India Private Limited

Paragon 4B - 26  
Phoenix Marketcity  
LBS Marg, Kurla, Mumbai, Maharashtra 400070  
Tel: +91-44-48526805  
Email: Solutions@KeithWalkingFloor.in

### Canada

Brantford, ON  
Phone: +1-519-756-9178  
Email: CanadaSales@KeithWalkingFloor.com

### México

Guadalajara, Jal.  
Phone: +52-333-616-5079  
Email: KMC\_Mexico@KeithWalkingFloor.com

### Australia

Waverley Gardens, VIC  
Phone: +61-3-9562-2190  
Email: AUSales@KeithWalkingFloor.com

### Europe

Barneveld, The Netherlands  
Phone: +31-342-422007  
Email: EuroSales@KeithWalkingFloor.com

***Not all parts or services available in all regions.  
Some components may only be sold assembled or in kits.  
Contact your regional office for information on available parts and services.***

## Service Information



**NOTE:** When welding, ground specifically to what you are welding on, otherwise it can short across component assemblies damaging seals and gaskets.

KEITH Mfg. fabricates many standard drive systems and also fabricates custom drive systems, too numerous to include, therefore KEITH requires the following information from your drive system to ensure we provide you with most accurate information. Please have the following information readily available before contacting KEITH for support:

- Model Number (Located on the Serial Plate of the drive unit)
- Serial Number (Located on the Serial Plate on the drive unit)
- Quantity & length of floor slats
- Vehicle make and unit installer

## Special Tool

J-Seal Seating Tool #10798101.



### Pre-Order Information Required

1.1 Determine Quantity of Floor Slats

Use the formula below to determine the quantity of floor slats needed and the width of the side seals required. (See Figure 3)

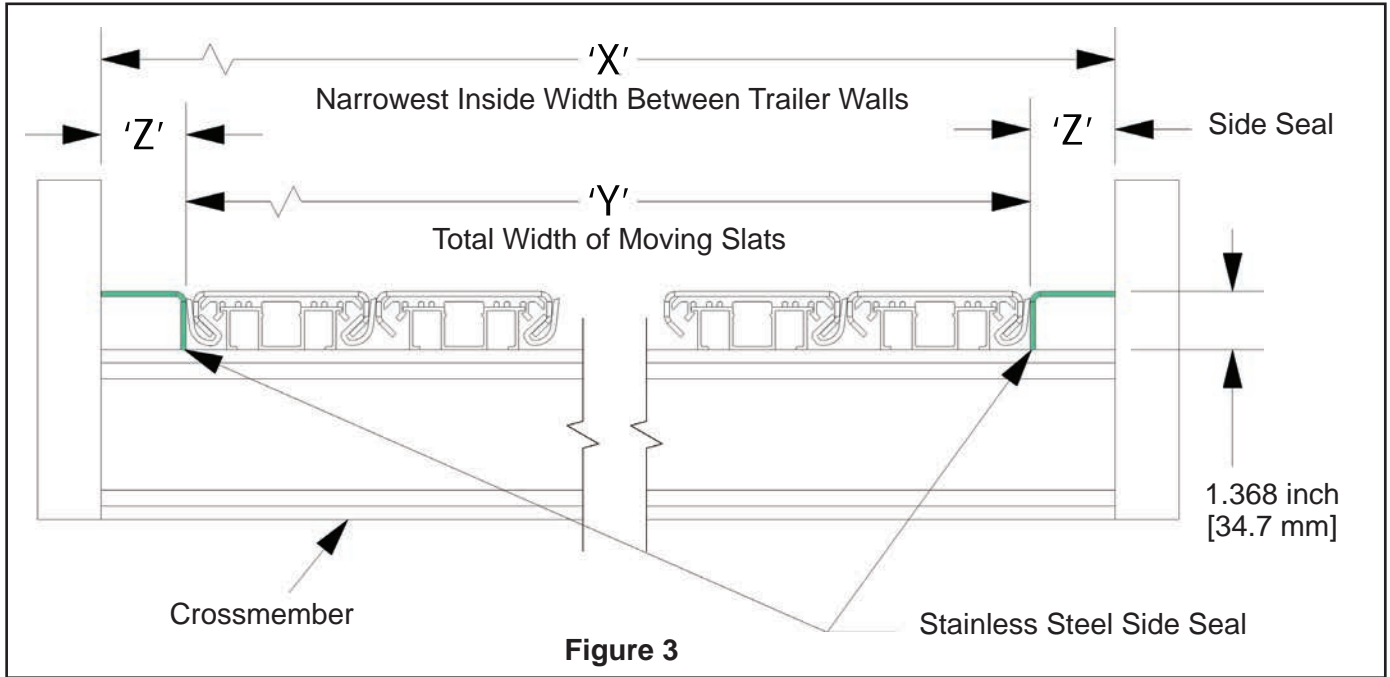


Figure 3

$$('X' - 'Y') / 2 = 'Z'$$

#### J-Max Flooring 4-5/16 inch [109.5 mm] Slat Centers

X = Distance Across Trailer	N = Number of Moving Slats	Y = (N * 4.3125 inch) + .175 inch	Z*2 = Combined Width of Side Seals
	15	64.86 inch [1647.5 mm]	
	16	69.18 inch [1757.0 mm]	
	17	73.49 inch [1866.6 mm]	
	18	77.80 inch [1976.1 mm]	
	19	82.11 inch [2085.7 mm]	
	20	86.43 inch [2195.2 mm]	
	standard 21	90.74 inch [2304.7 mm]	
	22	95.05 inch [2414.3 mm]	
<b>Examples</b>	<b>21</b>	<b>90.74 inches</b>	<b>6 inches</b>
	<b>21</b>	<b>2304.7 mm</b>	<b>134 mm</b>

**Z=3 inches**  
**Z=67 mm**

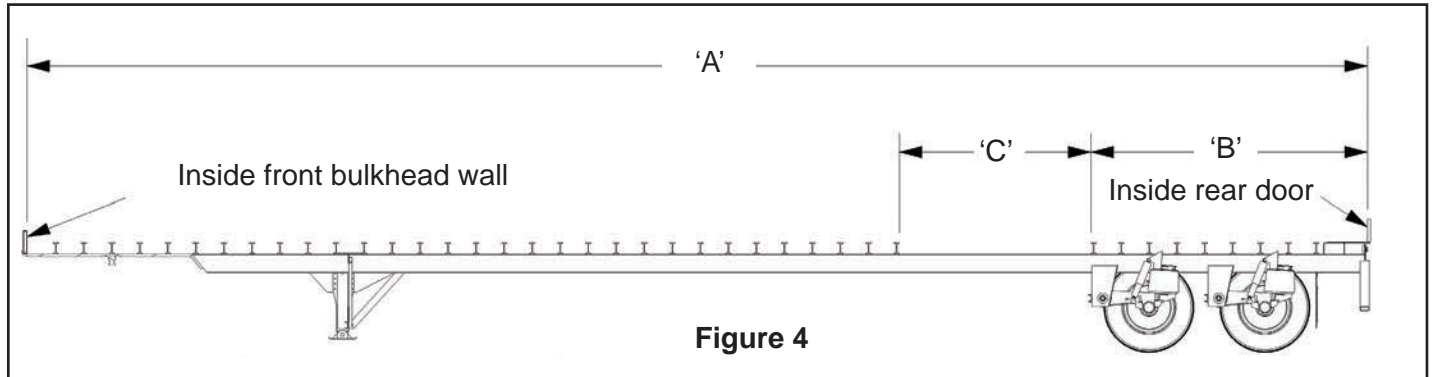
### 1.2 Dimensions 'A', 'B' & 'C' Measured from Trailer

'A' = Measured inside length of trailer from inside front bulkhead wall to inside rear door

'B' = Measured distance from forward most crossmember at rear of drive opening to inside rear door

'C' = Measured total opening between trailer crossmembers (for drive placement)

(See Figure 4)



### 1.3 Slat configuration

Determine if slats with end plugs will be used or if T-blocks will be used and slats will not have end plugs.

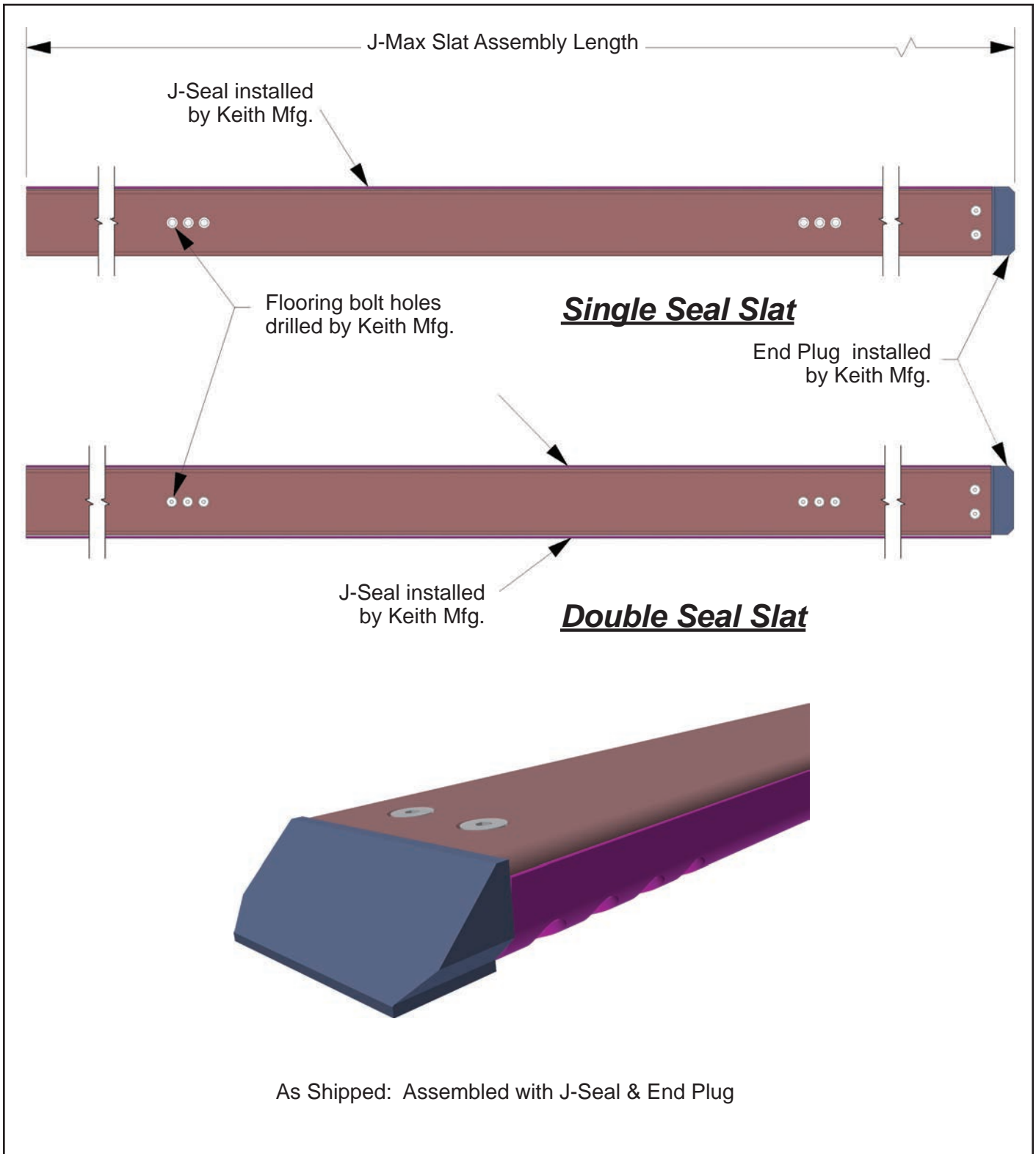
Dimensions for drives with an 6 inch [152 mm] stroke length
Dimensions for drives with an 8 inch [203 mm] stroke length
Dimensions for drives with an 10 inch [254 mm] stroke length

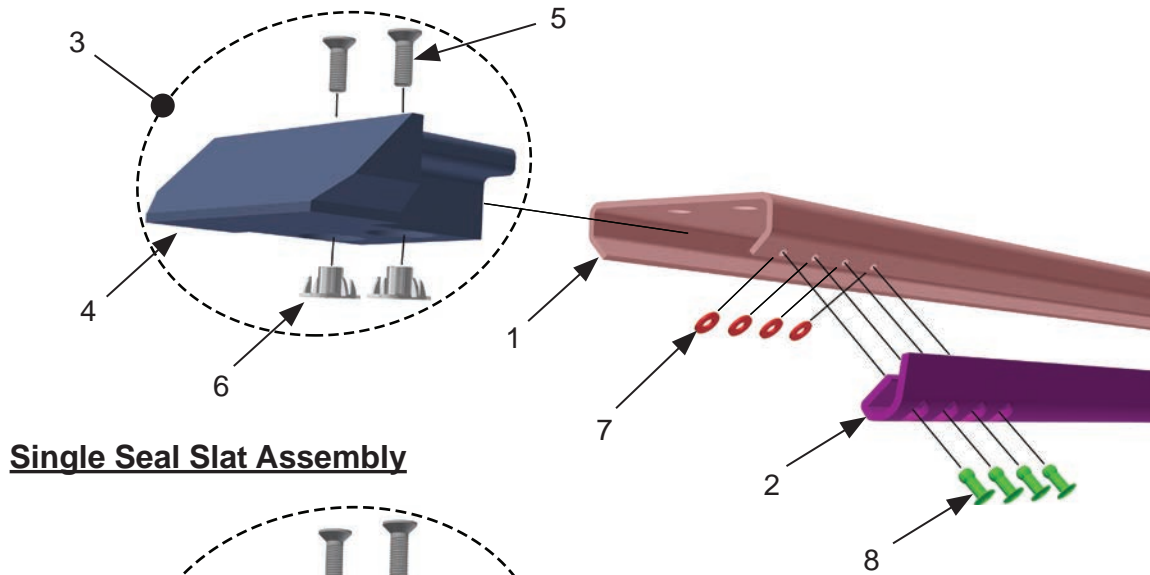
Reference drawing # 11378501 for component dimensioning for slats with **END PLUGS**.

Reference drawing # 11378535 for component dimensioning for slats using **T-BLOCKS**.

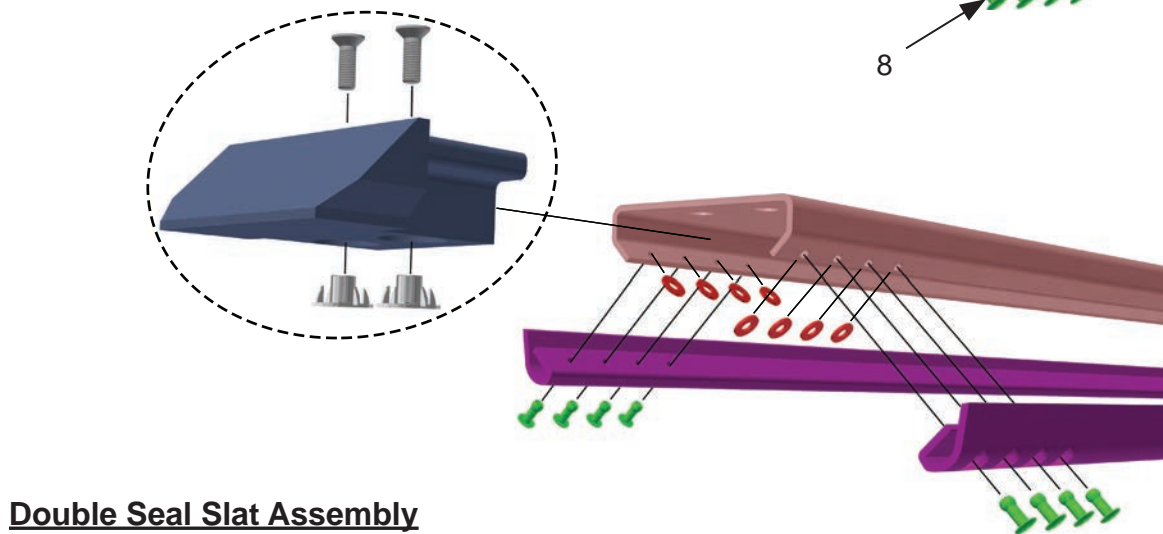
### Slat Assembly Configurations

J-Max slat assembly with **END PLUG** as supplied by KEITH Manufacturing Co.





**Single Seal Slat Assembly**

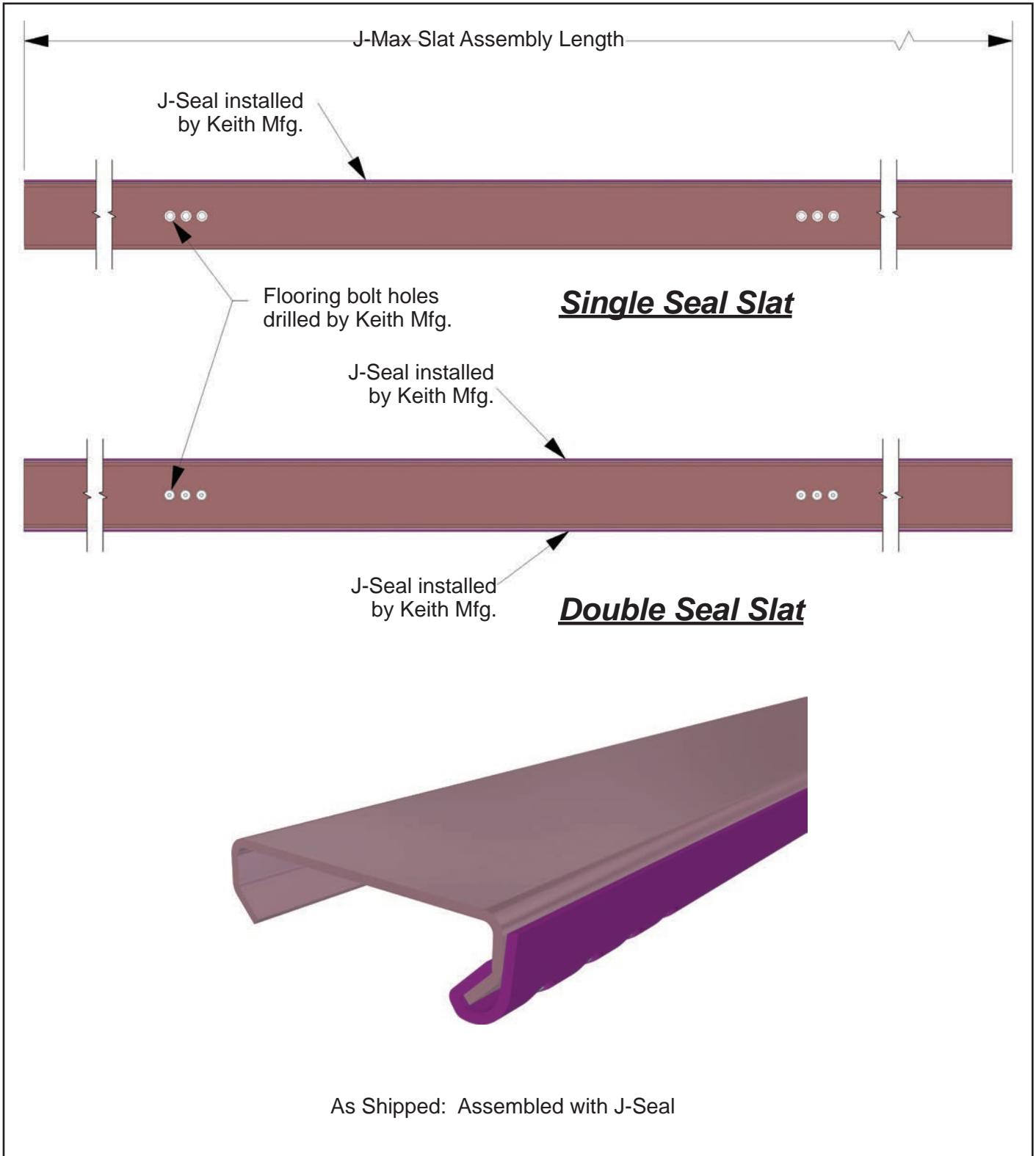


**Double Seal Slat Assembly**

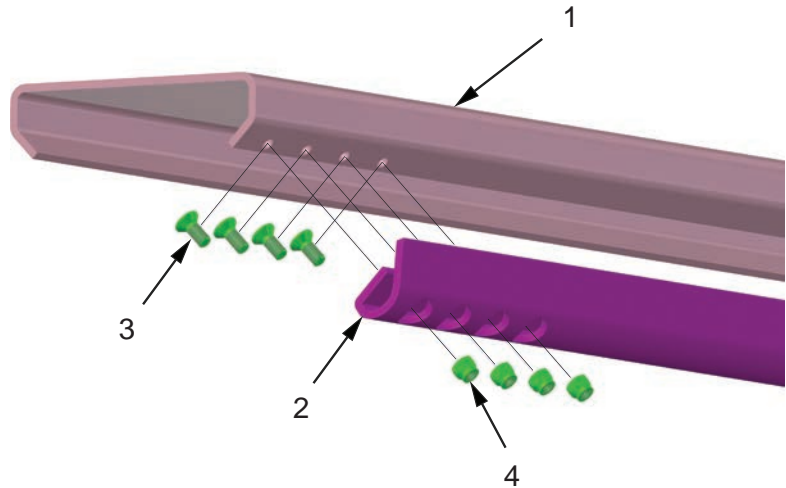
**Slat Assemblies with END PLUGS**

ID#	Qty	Single Seal Slat Part #	Double Seal Slat Part #	Description
1	1	2921	2921	Floor Slat - 3 mm High Strength Steel (standard)
	1	2984	2984	Floor Slat - 3 mm Stainless Steel
2	varies	(1) 2914	(2) 2914	J-Seal (Standard)
	varies	(1) 2972	(2) 2972	J-Seal - High Temp
3	-	<b>10693604</b>	<b>10693604</b>	<b>End Plug Assembly - (Standard) (includes items 4-6)</b>
	-	<b>10693607</b>	<b>10693607</b>	<b>End Plug Assembly - High Temp (includes items 4-6)</b>
4	1	10693603	10693603	End Plug (Standard)
	1	10693606	10693606	End Plug - High Temp
5	2	87701590	87701590	Bolts 8mm-1.25x25mm Zinc
6	2	86627505	86627505	T-Nuts M8x9.5x22mm
7	(4)	86550550	(8) 86550550	Flat Washer #10 Zinc (.5 inch OD .046 inch thick)
8	(4)	86525573	(8) 86525573	Rivet SS Blind Flush Head 3/16 inch x (.125 inch - .331 inch) Grip

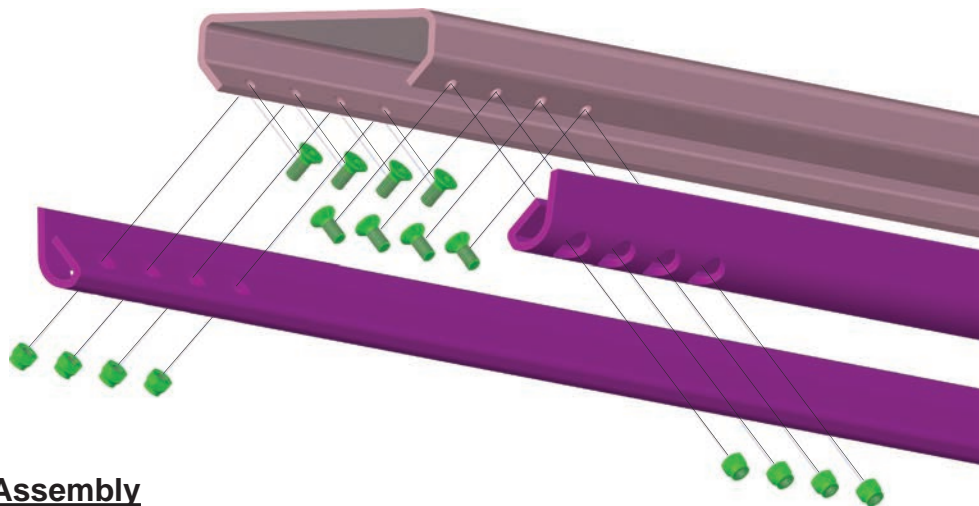
J-Max slat assembly for **T-BLOCKS** as supplied by KEITH Manufacturing Co.







**Single Seal Slat Assembly**



**Double Seal Slat Assembly**

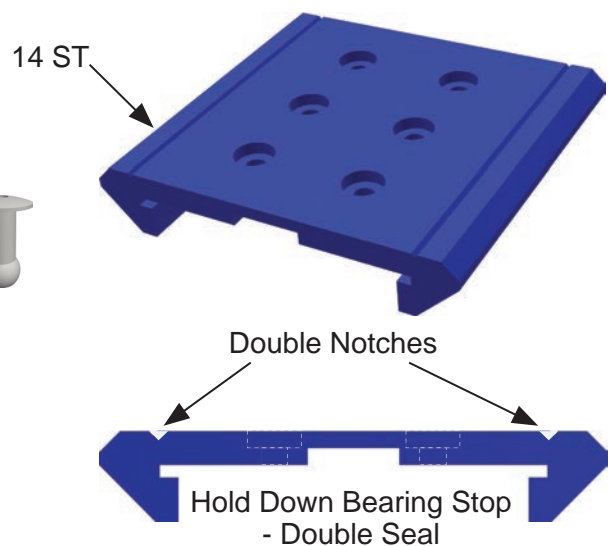
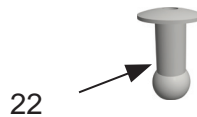
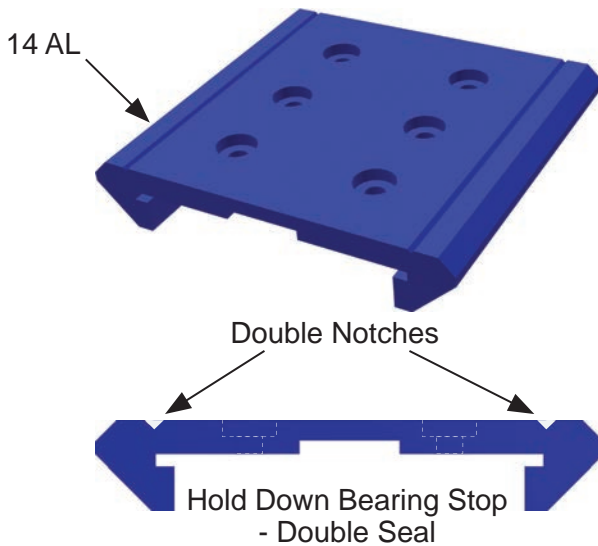
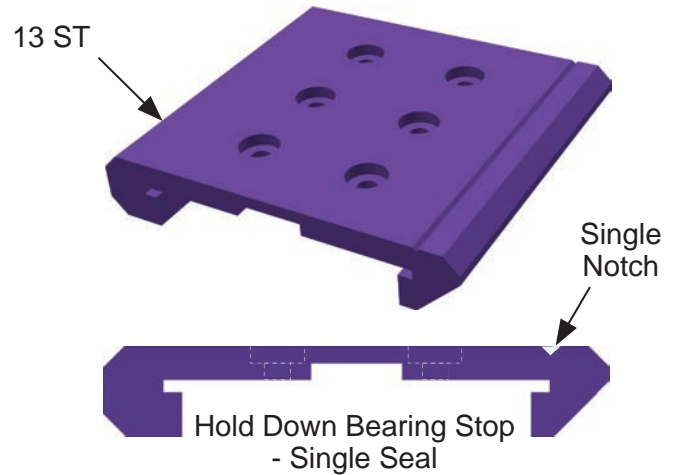
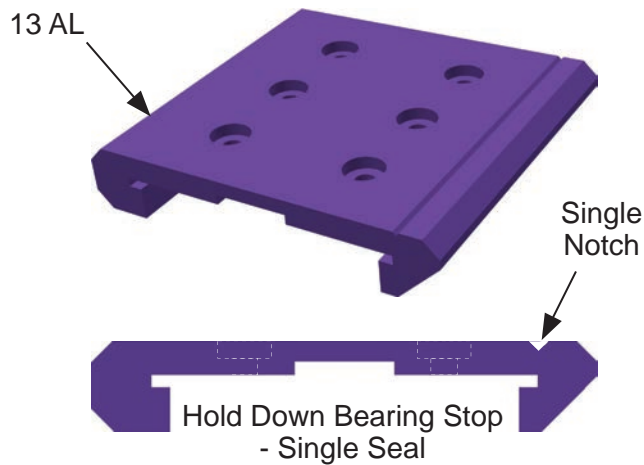
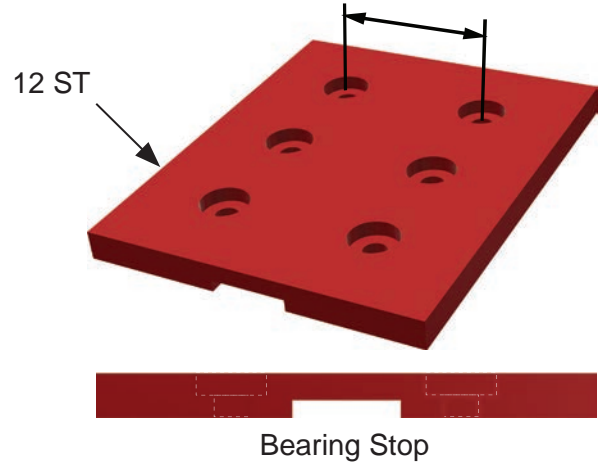
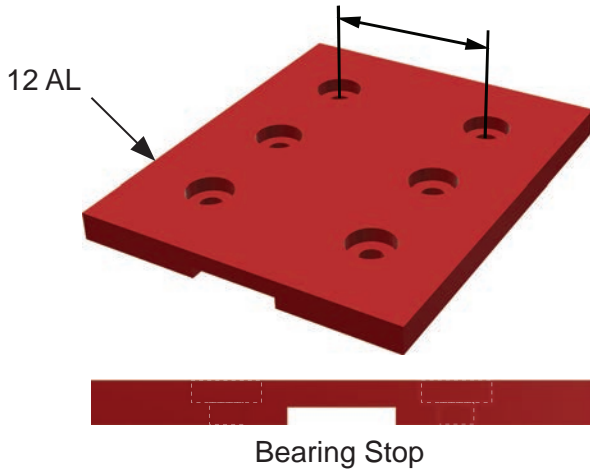
**Slat Assemblies for T-BLOCKS**

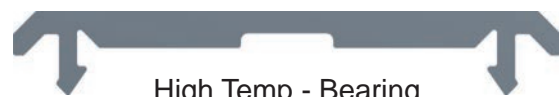
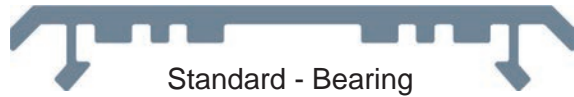
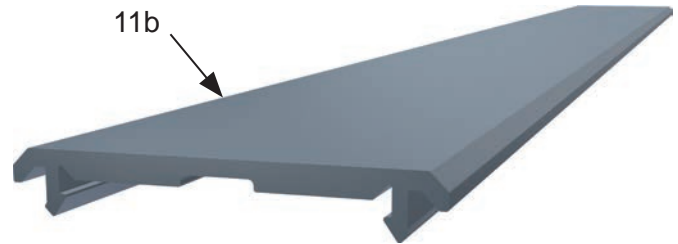
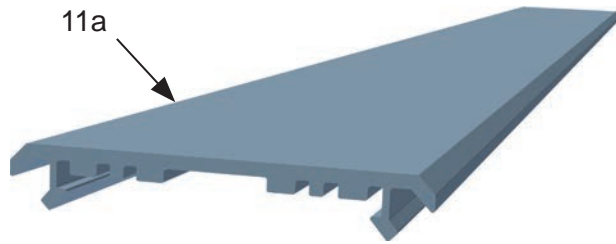
ID#	Qty	Single Seal Slat Part #	Double Seal Slat Part #	Description
1	1	2921	2921	Floor Slat - 3 mm High Strength Steel (standard)
	1	2984	2984	Floor Slat - 3 mm Stainless Steel
2	1-2	(1) 2914	(2) 2914	J-Seal (Standard)
	1-2	(1) 2972	(2) 2972	J-Seal - High Temp
3	4-8	87701494	87701494	Bolt Flat Head GR 10.9 5MM-0.8 X 12MM
4	4-8	87100503	87100503	Nylock Nut Hex SS M5 X 0.8 mm

Bearing Stops & Hold Down Bearings

For Aluminum Sub-Deck Wide Hole Spacing

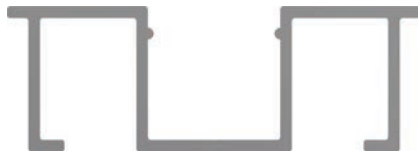
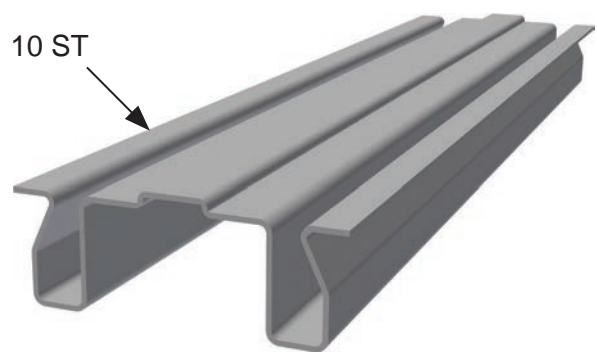
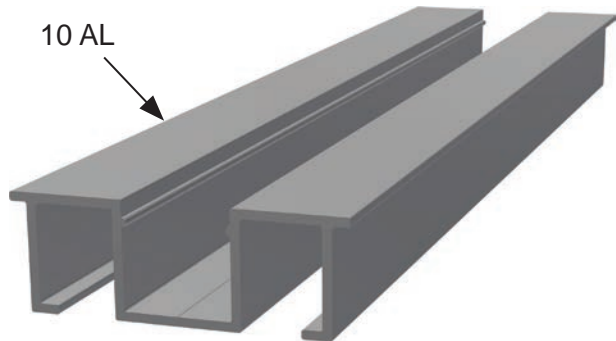
For Steel Sub-Deck Narrow Hole Spacing





Standard - Bearing

High Temp - Bearing



Aluminum Sub-Deck

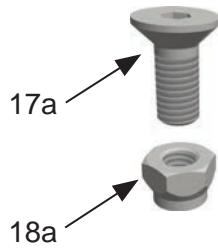
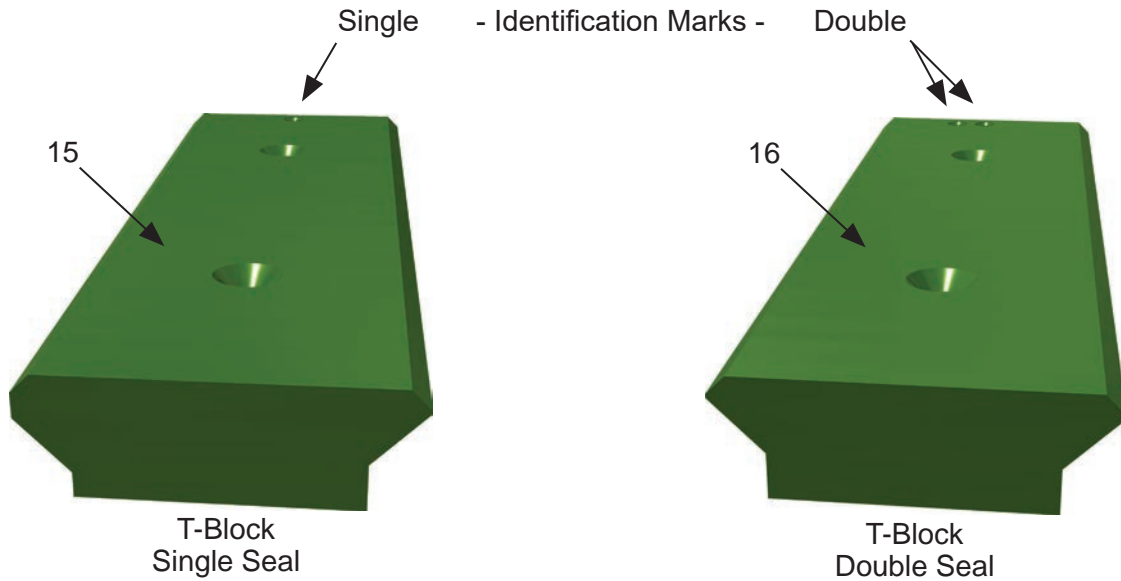
Steel Sub-Deck

**Floor Components**

ID#	Qty	Part #'s for Aluminum Sub-Deck	Part #'s for Steel Sub-Deck	Description
10	varies	2929	2955	Sub-Deck Aluminum, Steel (Not available in all regions)
11a	varies	2944		Bearing 6 ft [1829 mm] Lengths (Standard) (black)
11b	varies	2971		Bearing - High Temp 6 ft [1829 mm] Lengths (dark gray)
12	2 / slat	11113916	11113917	Bearing Stop - UHMW (black)
	2 / slat	11113918	-	Bearing Stop - High Temp (dark gray)
13	2 / slat	11467601	11467611	Hold Down Bearing Stop - Single Seal (Standard) (black)
	2 / slat	11467604	11467614	Hold Down Bearing Stop High Temp - Single Seal (dark gray)
14	2 / slat	11467602	11467612	Hold Down Bearing Stop - Double Seal (Standard) (black)
	2 / slat	11467605	11467615	Hold Down Bearing Stop High Temp - Double Seal (dark gray)
22	6 / stop	86525573	-	Rivet S7 Blind Flush Head 3/16 inch x (.125 inch - .331 inch) Grip

Reference drawing #11236701 for aluminum sub-deck component chart.

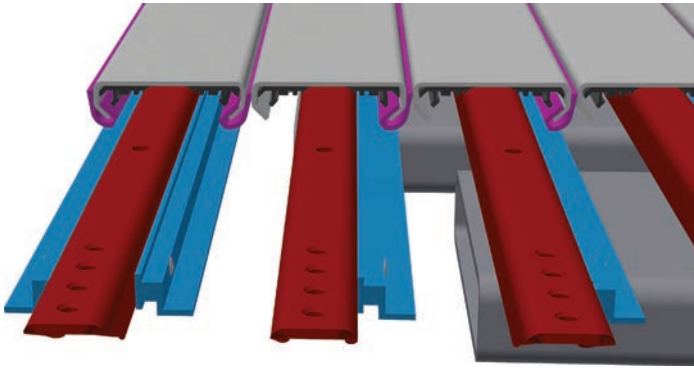
Reference drawing #11236702 for steel sub-deck component chart.



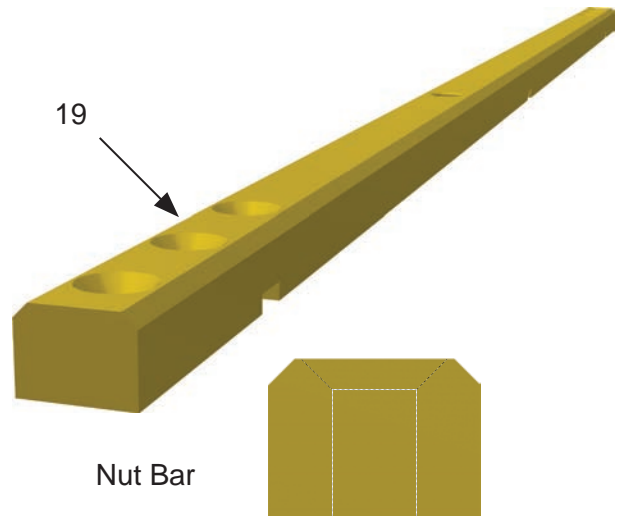
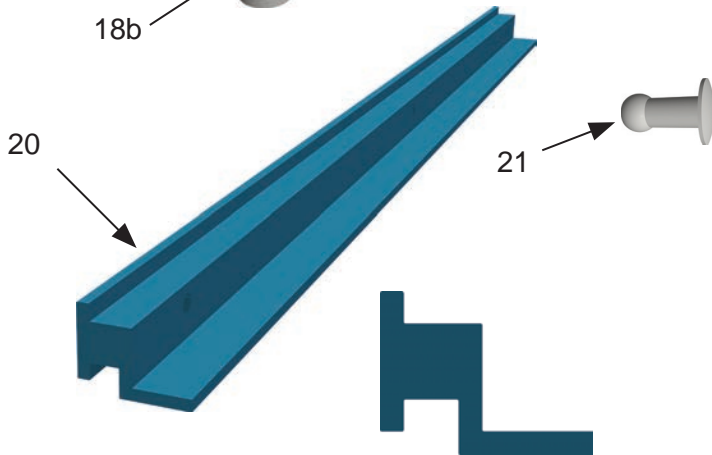
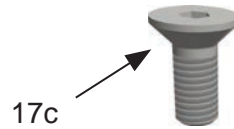
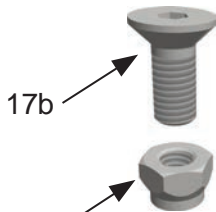
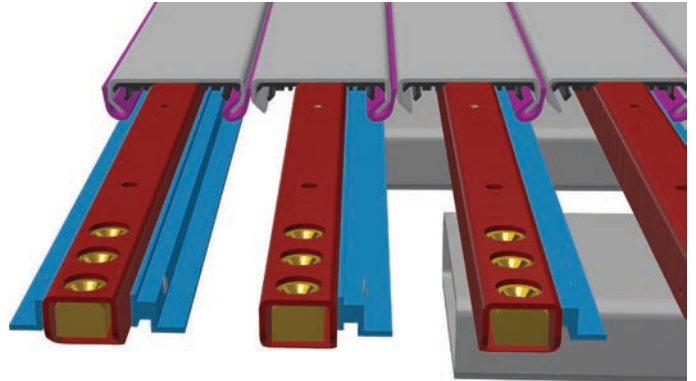
**T-Block Components**

ID#	Qty	Standard Part #'s	High Temp Part #'s	Description
15	1 / Slat	11575201	11575205	T-Block Single Seal with Holes, 1-1/4" thick
		11575203	11575207	T-Block Single Seal No Holes, 1-1/4" thick
16	1/ Slat	11575202	11575206	T-Block Double Seal with Holes, 1-1/4" thick
		11575204	11575208	T-Block Double Seal No Holes, 1-1/4" thick
17a	2 / block	87701652		Floor Bolt Flat Head 10.9 8MM-1.25 X 50MM ZINC FH SHCS
18a	2 / block	87101000		Nut Hex Nylock 8MM-1.25

Standard Shoes



Nut Bar Shoes



J-Seal Support

Nut Bar

Misc Components

ID#	Qty	SAE Part #	Metric Part #	Description
17b	6-8 / slat	87402000	87701590	Floor Bolt Flat Head 5/16-18 inch x 1 inch [8 mm-1.25 x 25 mm] Zinc
	6-8 / slat	87408100	87008480	Floor Bolt Flat Head 3/8-16 inch x 1 inch [10 mm-1.5 x 25 mm] Zinc
18b	6-8 / slat	86627500	87101000	Nut Hex Nylock 5/16-18 [M8x1.25] Zinc (use with standard shoes)
	6-8 / slat	86628000	87102000	Nut Hex Nylock 3/8-16 [M10x1.5] Zinc (use with standard shoes)
17c	6 / nut bar	-	87703050	Floor Bolt Flat Head 12MM-1.75 X 35MM (no nylock nuts required)
19	1 / shoe	-	11378301	Nut Bar J-Max
20	1-2 / shoe	2995		J-Seal Support (shoe under double seal slat will need (2) supports)
21	3 / support	86528504	-	Rivet Pop ST ZN 3/16 X 0.626"-0.75"

<b>Bolt Torque Chart</b>						
<b>Bolt (SAE)</b>	<b>Grade</b>	<b>Torque (ft/lbs)</b>	<b>Location</b>	<b>Bolt (Metric)</b>	<b>Grade</b>	<b>Torque (Nm)</b>
-	-	-	End Plugs	M8 x 1.25	10.9	34
5/16-18	8	24	Floor Bolts	M8 x 1.25	10.9	34
3/8-16	8	45	Floor Bolts *	M10 x 1.5	10.9	66
-	-	-	Floor Bolts *	M12 x 1.75	12.9	128

\* Use Blue Loctite when using nut bar shoes.

<b>Sub-Deck Alignment Jigs</b>		
<b># of Slats</b>	<b>Part #</b>	<b>Description</b>
15	10701515	Sub-Deck JIG for J-Max Floor #2929 15 Slat 4.313 SC
16	10701516	Sub-Deck JIG for J-Max Floor #2929 16 Slat 4.313 SC
17	10701517	Sub-Deck JIG for J-Max Floor #2929 17 Slat 4.313 SC
18	10701518	Sub-Deck JIG for J-Max Floor #2929 18 Slat 4.313 SC
19	10701519	Sub-Deck JIG for J-Max Floor #2929 19 Slat 4.313 SC
20	10701520	Sub-Deck JIG for J-Max Floor #2929 20 Slat 4.313 SC
21	10701521	Sub-Deck JIG for J-Max Floor #2929 21 Slat 4.313 SC
22	10701522	Sub-Deck JIG for J-Max Floor #2929 22 Slat 4.313 SC