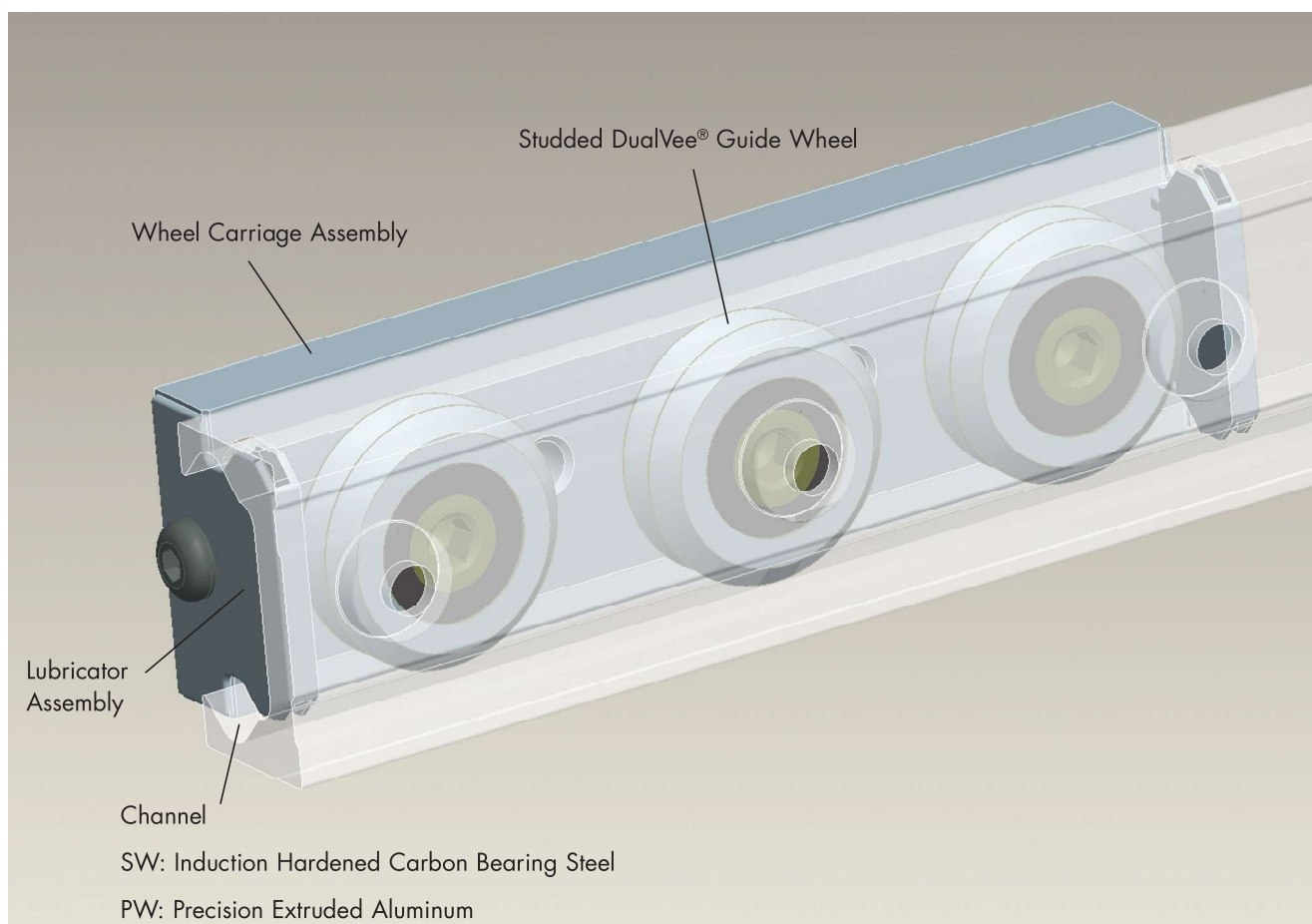


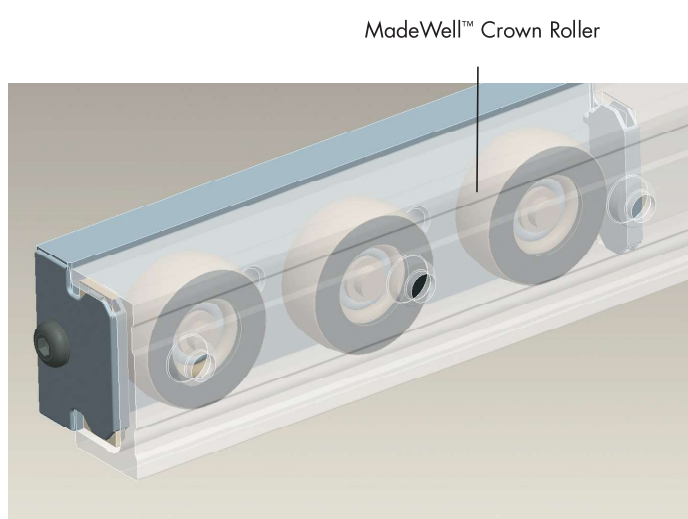
Product Comparison and Overview

Features	SW Series UtiliTrak®	PW Series UtiliTrak®	CR Series Stainless Steel Composite UtiliTrak®
Channel/Channel Assembly	One-piece ground carbon bearing steel channel, running surface smooth to Ra 0.8µm, hardened steel raceways, RoHS compliant anti-corrosion plated.	6063 – T6 aluminium alloy channel	Induction heat treated 420 stainless steel DualVee® track mounted to an extruded aluminum channel
Studded DualVee® Guide Wheels	52100 carbon steel, ground, double row, angular contact bearing arrangement, available sealed or shielded, internal lubrication	High temp polymer overmoulded on a stainless steel bearing arrangement, built-in wiper caps at each end clear debris from the channel surface	440C stainless steel, double row, angular contact bearing arrangement, sealed
MadeWell™ Crown Rollers	52100 carbon steel, ground, double row, angular contact bearing arrangement, available sealed or shielded, internal lubrication	High temp polymer overmoulded on a stainless steel single row deep groove bearing, built-in wiper caps at each end clear debris from the channel surface	
Wheel Sizes	1, 2 and 3	0, 1 and 2	1, 2 and 3
Wheel Carriage Assembly	3, 4 or 5-wheel configuration	3-wheel configuration only	3-wheel configuration only
Lubricator & Wiper Assembly	Nylon end cap with felt lubricator, one lubricator assembly on each end, synthetic oil	Nylon end cap with felt lubricator, one lubricator assembly on each end, synthetic oil	Stainless steel stamped felt lubricator with synthetic oil, centrally located lubricator
Load Capacity	Up to 14,040N	Up to 311N	Up to 5,739N
Speeds	Up to 5.5 m/s	Up to 1.0 m/s	Up to 5.5 m/s
Acceleration	Up to 49 m/s ²	Up to 29 m/s ²	Up to 49 m/s ²
Key Benefits	High speeds, excellent load capacity, smooth antifriction operation, debris tolerant	Lowest installed cost in its class, corrosion resistant, low noise, lightweight, wear resistant	High speeds, excellent load capacity, smooth antifriction operation, debris tolerant, corrosion resistant

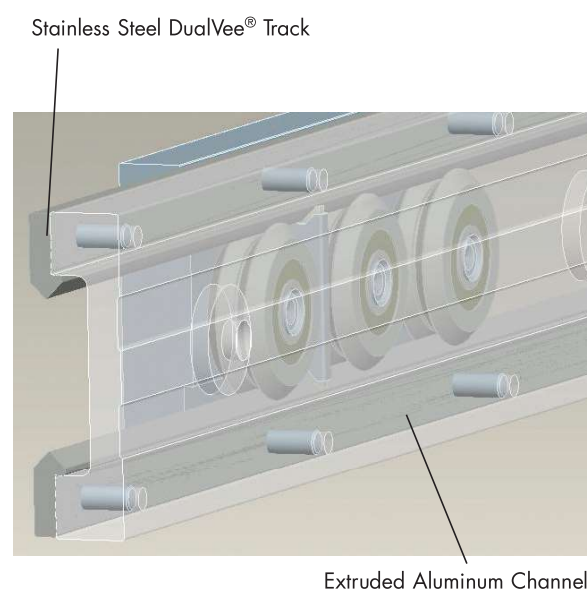
Wheel Carriage and Vee Channel Assembly



MadeWell™ Crown Roller & Open Channel Assembly



CR Series Stainless Steel Composite Assembly



PW/SW Series 3-Wheel Carriage Assemblies

PW Series

- Vee style carriage assembly for PW Series aluminum channel
- Light to medium duty transport applications
- Extremely low noise
- Lightweight and economical

SW Series

- Vee style carriage assembly for SW Series steel channel
- Medium to heavy duty transport applications
- High speed capability
- Smooth antifriction operation

Dimensions

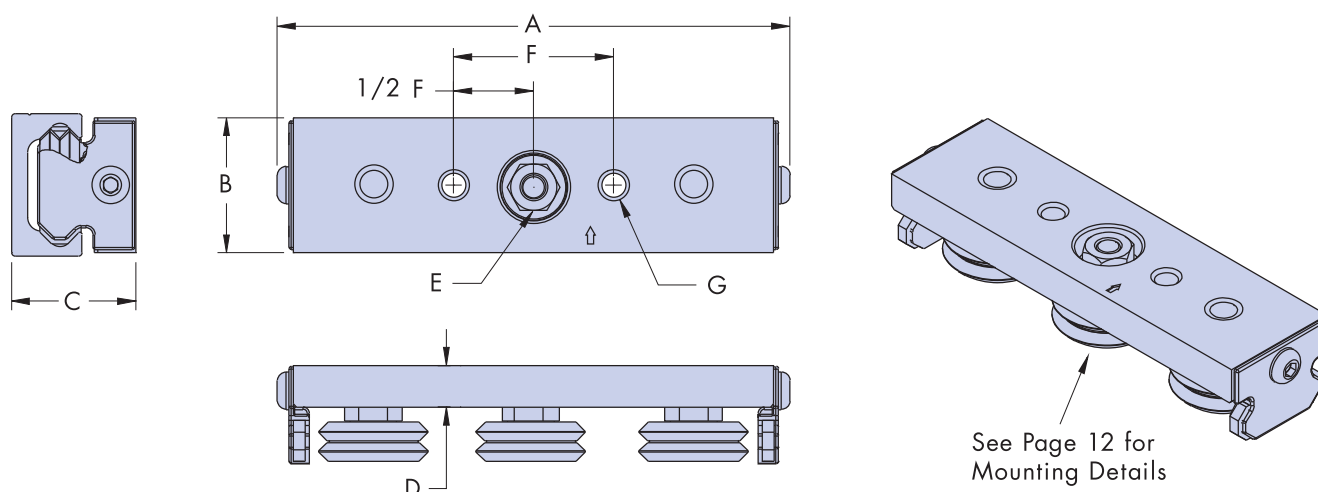
UtiliTrak® Size	PW ⁴ Part No.	SW ¹ Part No.	A	B	C	D	E Socket Size	F	G
0	UT0WPAP	-	79.9	18	22	7.9	8	22	M4x0.7
1	UT1WPAP	UT1WPA	113.5	24	26.3	8.8	10	40	M6x1
2	UT2WPAP	UT2WPA	144.2	38	35	11.8	13	45	M8x1.25
3	-	UT3WPA	201.3	55	50	15.8	15	60	M10x1.5

All dimensions in mm

Load Capacity (Max)

UtiliTrak® Size	Radial F _R	Axial F _A	M _P	M _Y	M _R	C	Radial F _R	Axial F _A	M _P	M _Y	M _R	C
	PW Series Wheel Carriage						SW Series Wheel Carriage					
0	55	88	3	1.5	1	130	-	-	-	-	-	-
1	110	155	8	3	2	200	2440	719	18	30.5	7	5600
2	165	311	18	8	4	350	5300	1475	58	100	22.7	10200
3	-	-	-	-	-	-	11800	5100	229	346	118	21600

Loads in N, Moment loads in Nm



Notes:

1. SW series comes standard with shielded wheels, for wheels with Nitrile seals add "X" to the end of the Part Number as follows: UT1WPAX.
2. See page 13 for Load / Life formulas.
3. See page 12 for mounting orientation.
4. PW wheel carriages have polymer outer Vee wheels over moulded on stainless steel bearings.

PW/SW Series Vee Channel

PW Series

- Matched component for PW Series Vee wheel carriage assemblies
- 6063-T6 aluminum alloy channel
- Lightweight

SW Series

- Matched component for SW Series Vee wheel carriage assemblies
- Carbon bearing steel with hardened steel raceways
- Running surface smooth to Ra 0.8µm

Dimensions

UtiliTrak® Size	PW Part No.	SW Part No.	H	J	K	L Max ¹	M	N Dia x Depth (Counterbore)	O (Mounting Hole)	P
0	UTTA0	-	11	4	20	3600	See formula below	8.3 x 3	4.8	80
1	UTTA1	UTTS1	15	4	26	3600		9.8 x 2.8	5.8	80
2	UTTA2	UTTS2	19.7	4.5	40	3600		14.3 x 3	8.8	80
3	-	UTTS3	30	8	58	3600		14.3 x 5	8.8	80

All dimensions in mm

Weights

UtiliTrak® Size	Channel Weight (kg/m)	Wheel Carriage Weight (g)	Channel Weight (kg/m)	Wheel Carriage Weight (g)
	PW Series		SW Series	
0	0.3	46		-
1	0.5	92	1.46	114
2	0.93	243	2.7	330
3	-	-	5.91	943

To Calculate M:

Step 1: Calculate number of hole spaces

$$\frac{\text{Length (in mm)} - X}{80} = \# \text{ of hole spaces (round down to nearest whole number)}$$

$$X = 14 \text{ (size 0)}$$

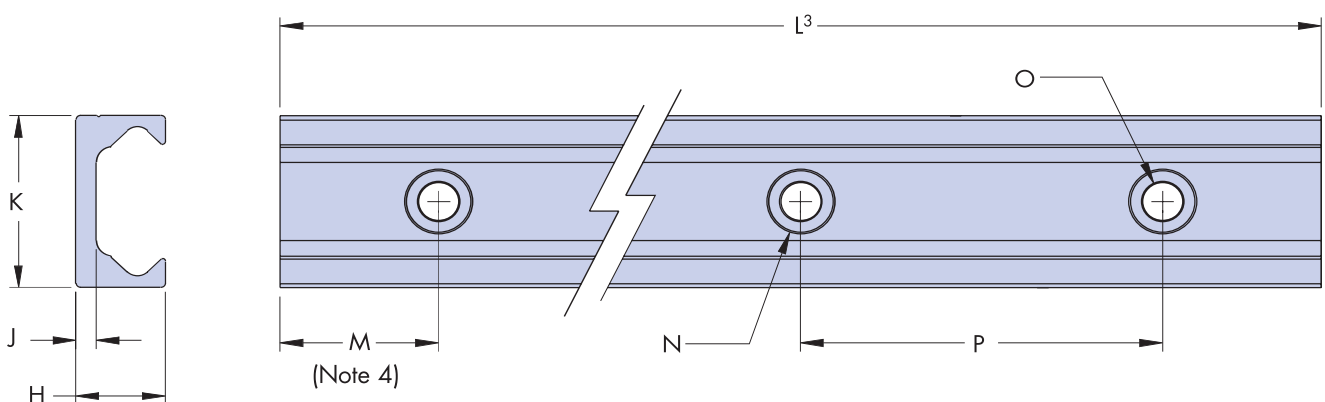
$$X = 16 \text{ (size 1)}$$

$$X = 18 \text{ (size 2)}$$

$$X = 20 \text{ (size 3)}$$

Step 2: Calculate M

$$\frac{\text{Length} - (\# \text{ of spaces} \times 80)}{2} = M \quad (\text{Note 4})$$



Notes:

1. "L" is maximum one piece length.
2. For ordering add length in mm after Part Number Ex. UTTA0-1000 (one metre length).
3. Overall length +/- 2 mm.
4. Customer to advise 'M' dimensions when ordering, otherwise end hole position will be equal at both ends.

PW/SW Series Crown Roller 3-Wheel Carriage Assemblies

PW Series

- Crown roller style carriage assembly for PW Series aluminum channel
- Intended for radial loads only
- Extremely low noise
- Lightweight and economical

SW Series

- Crown roller style carriage assembly for SW Series steel channel
- Intended for radial loads only
- High speed capability
- Smooth antifriction operation

Dimensions

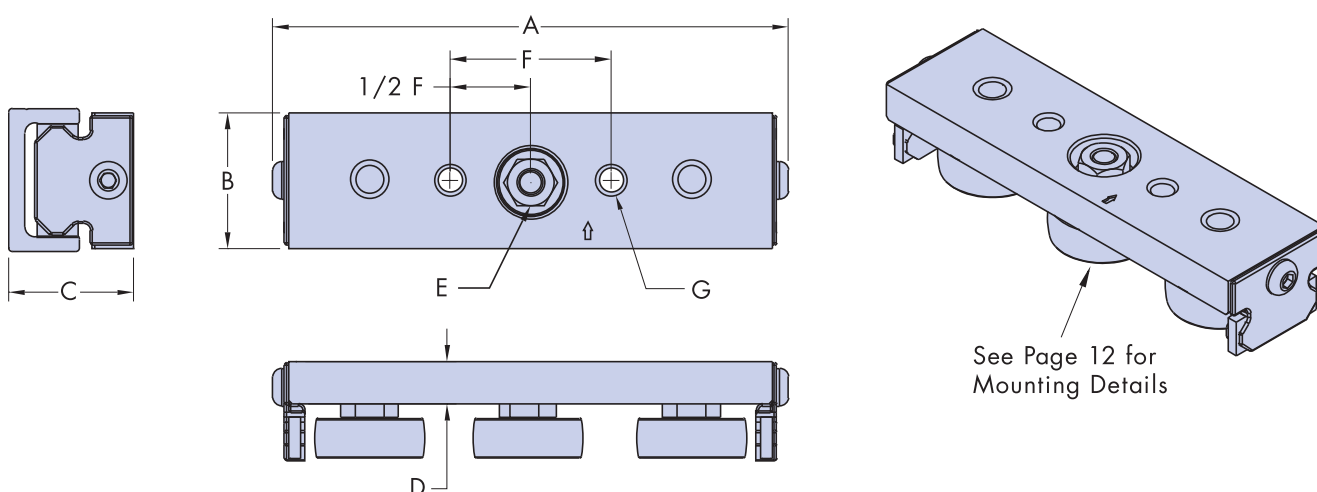
UtiliTrak® Size	PW ⁴ Part No.	SW ¹ Part No.	A	B	C Min-Max	D	E Socket Size	F	G
0	UTOWPAPR	-	79.9	18	22-23.1	7.9	8	22	M4x0.7
1	UT1WPAPR	UT1WPAR	113.5	24	25.3-27.6	8.8	10	40	M6x1
2	UT2WPAPR	UT2WPAR	144.2	38	34.7-37.4	11.8	13	45	M8x1.25
3	-	UT3WPAR	201.3	55	46.9-53.4	15.8	15	60	M10x1.5

All dimensions in mm

Load Capacity (Max)

UtiliTrak® Size	Radial F _R	Axial F _A	M _P	M _Y	M _R	C						
	PW Series Wheel Carriage						Radial F _R	Axial F _A	M _P	M _Y	M _R	C
0	55	0	0	1.5	0	130	-	-	-	-	-	-
1	110	0	0	3	0	200	2440	0	0	30.5	0	5600
2	165	0	0	8	0	350	5300	0	0	100	0	10200
3	-	-	-	-	-	-	11800	0	0	346	0	21600

Loads in N, Moment loads in Nm



Notes:

1. SW series comes standard with shielded wheels, for wheels with Nitrile seals add "X" to the Part Number as follows: UT1WPAXR, UT2WPAXR, UT3WPAXR.
2. See page 13 for Load / Life formulas.
3. See page 12 for mounting orientation.
4. PW wheel carriages have polymer outer wheels over moulded on stainless steel bearings.

PW/SW Series Open Channel

PW Series

- Matched component for PW Series MadeWell™ crown roller carriage assemblies
- 6063-T6 aluminum alloy channel
- Lightweight

SW Series

- Matched component for SW Series crown roller carriage assemblies
- Carbon bearing steel with hardened steel raceways
- Running surface smooth to Ra 0.8µm

Dimensions

UtiliTrak® Size	PW Part No.	SW Part No.	H	J	K	L Max ¹	M	N Dia x Depth (Counterbore)	O (Mounting Hole)	P
0	UTTRA0	-	11	4	20	3600	See formula below	8.3 x 3	4.8	80
1	UTTRA1	UTTRS1	15	4	26	3600		9.8 x 2.8	5.8	80
2	UTTRA2	UTTRS2	19.7	4.5	40	3600		14.3 x 3	8.8	80
3	-	UTTRS3	30	8	58	3600		14.3 x 5	8.8	80

Weights

UtiliTrak® Size	Channel Weight (kg/m)	Wheel Carriage Weight (g)	Channel Weight (kg/m)	Wheel Carriage Weight (g)
	PW Series		SW Series	
0	0.29	47	-	-
1	0.43	94	1.33	121
2	0.8	246	2.47	320
3	-	-	5.36	910

To Calculate M:

Step 1: Calculate number of hole spaces

$$\frac{\text{Length (in mm)} - X}{80} = \# \text{ of hole spaces (round down to nearest whole number)}$$

$$X = 14 \text{ (size 0)}$$

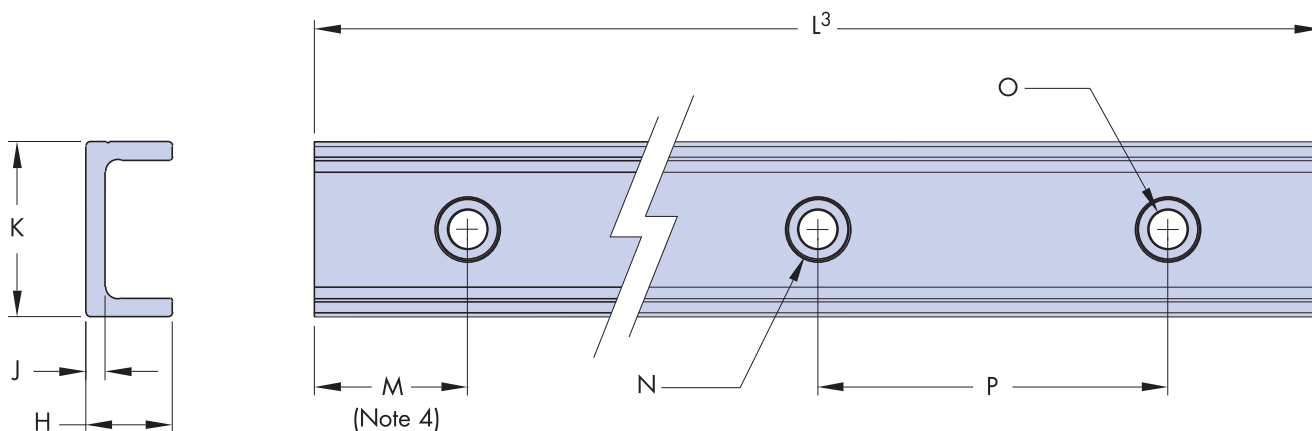
$$X = 16 \text{ (size 1)}$$

$$X = 18 \text{ (size 2)}$$

$$X = 20 \text{ (size 3)}$$

Step 2: Calculate M

$$\frac{\text{Length} - (\# \text{ of spaces} \times 80)}{2} = M \quad (\text{Note 4})$$



Notes:

1. "L" is maximum one piece length.
2. For ordering add length in mm after Part Number Ex. UTTRA0-1000 (one metre length).
3. Overall length +/- 2 mm.
4. Customer to advise 'M' dimensions when ordering, otherwise end hole position will be equal at both ends.

SW Series 4 and 5-Wheel Carriage Assemblies

- Vee style extended carriage for SW Series steel channel
- UtiliTrak's® highest load capacity
- Larger surface area

Dimensions

UtiliTrak® Size	4-Wheel ¹ Part No.	5-Wheel ¹ Part No.	A	B	C	D	E Socket Size	F	G
1	UT1WPA-4A	UT1WPA-5A	166.5	24	26.3	8.8	10	35	M6x1
2	UT2WPA-4A	UT2WPA-5A	224.2	38	35	11.8	13	45	M8x1.25
3	UT3WPA-4A	UT3WPA-5A	317.3	55	50	15.8	15	60	M10x1.5

All dimensions in mm

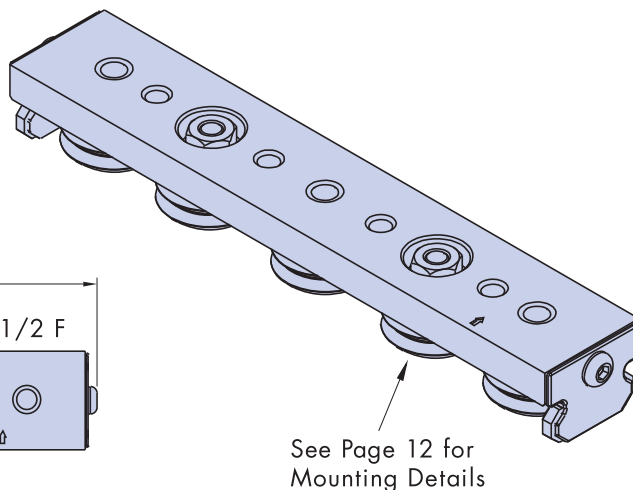
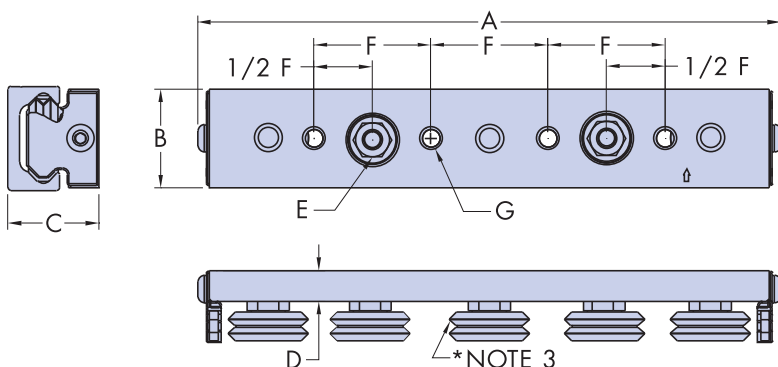
Load Capacity (Max)

UtiliTrak® Size	Radial F _R	Axial F _A	M _P	M _Y	M _R	C	Radial F _R	Axial F _A	M _P	M _Y	M _R	C
	4-Wheel Carriage						5-Wheel Carriage					
1	2440	862	18	45.8	9.8	5600	2900	1014	18	45.8	12.6	6650
2	5300	1770	58	150	31.8	10200	6300	2080	58	150	40.9	12110
3	11800	6122	229	519	165.2	21600	14040	7140	229	519	212.4	25650

Loads in N, Moment loads in Nm

Weight

UtiliTrak® Size	SW Series Only	
	4-Wheel Carriage Weight (g)	5-Wheel Carriage Weight (g)
1	163	181
2	479	543
3	1370	1533



Notes:

1. SW series comes standard with shielded wheels, for wheels with Nitrile seals add "X" to the Part number as follows: UT1WPAX-4A, UT2WPAX-5A, etc.
2. See page 13 for Load / Life formulas.
3. This wheel omitted on 4-wheel assemblies.
4. See page 12 for mounting orientation.

SW Series Crown Roller 4 and 5-Wheel Carriage Assemblies

- Crown roller style extended carriage for SW Series steel channel
- UtiliTrak's® highest load capacity
- Larger surface area

Dimensions

UtiliTrak® Size	4-Wheel ¹ Part No.	5-Wheel ¹ Part No.	A	B	C (Min-Max)	D	E Socket Size	F	G
1	UT1WPAR-4A	UT1WPAR-5A	166.5	24	25.3 - 27.6	8.8	10	35	M6x1
2	UT2WPAR-4A	UT2WPAR-5A	224.2	38	34.7 - 37.4	11.8	13	45	M8x1.25
3	UT3WPAR-4A	UT3WPAR-5A	317.3	55	46.9 - 53.4	15.8	15	60	M10x1.5

All dimensions in mm

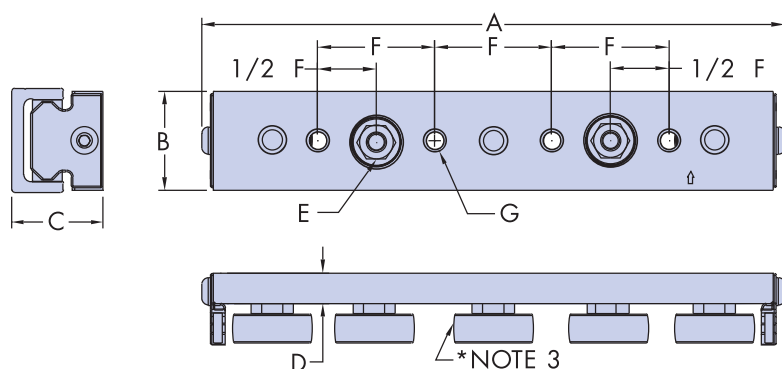
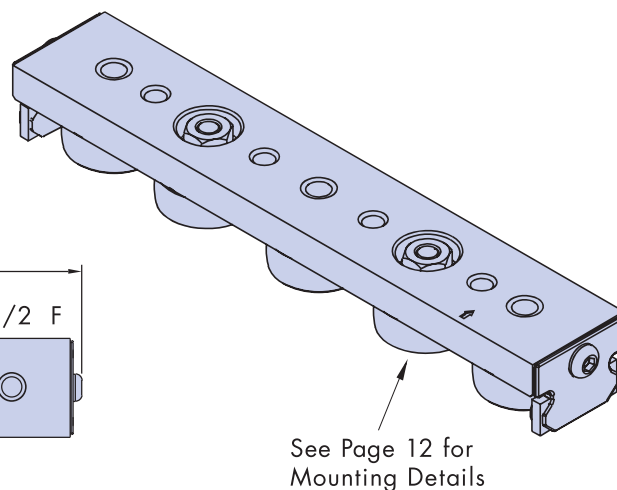
Load Capacity (Max)

UtiliTrak® Size	Radial F _R	Axial F _A	M _P	M _Y	M _R	C	Radial F _R	Axial F _A	M _P	M _Y	M _R	C
	4-Wheel Carriage						5-Wheel Carriage					
1	2440	0	0	45.8	0	5600	2900	0	0	45.8	0	6650
2	5300	0	0	150	0	10200	6300	0	0	150	0	12110
3	11800	0	0	519	0	21600	14040	0	0	519	0	25650

Loads in N, Moment loads in Nm

Weight

UtiliTrak® Size	SW Series Only	
	4-Wheel Carriage Weight (g)	5-Wheel Carriage Weight (g)
1	195	220
2	522	598
3	1478	1665



Notes:

- Carriages come standard with shielded wheels, for wheels with Nitrile seals add "X" to the Part Number as follows: UT1WPAXR-4A, UT2WPAXR-5A, etc.
- See page 13 for Load / Life formulas.
- This wheel omitted on 4-wheel assemblies.
- See page 12 for mounting orientation.