



ROCKET RACK®

A ROBROY Brand

Product Catalog

**Faster
Cleaner
Safer™**

Pre-Engineered & Factory Fabricated Metal
Framing & Support Platform for Electrical,
Mechanical & Process Installations

rocket-rack.com



Load Ratings

Load ratings refer to the maximum allowable weight, force or pressure that a structure, equipment or component can withstand under specific operating conditions without causing failure, deformation or reduced efficiency. It is essential to determine load ratings accurately to prevent accidents, equipment breakdowns and costly repairs.

Understanding load ratings can be crucial for several reasons, the first being safety. Industrial infrastructure, such as strut, hangers and the building supports they are attached to, handle substantial loads. Accurate load ratings ensure the safety of workers, the public and the environment by preventing catastrophic failures. Overloading these types of infrastructure components can lead to premature wear and tear of the products they support, thus reducing the lifespan of assets and increasing maintenance costs. Load ratings help protect these valuable assets.

Another important factor is maintaining compliance. Many industries must adhere to regulations and codes that specify load ratings. Meeting these requirements ensures legal compliance and avoids potential liabilities. Lastly, operating within the designated load ratings ensures optimal performance and efficiency of equipment and structures.

Beam load ratings for strut systems involve highly complex calculations across four classification areas: Manner of support, Length of beam/length of span between supports, Material used (e.g., steel, aluminum, PVC, etc.) and Profile (cross section of the beam).

When it comes to the installation of Rocket Rack and other strut systems, it is crucial to ensure structural integrity and safety. Consider the following key considerations and calculations you need to make, emphasizing the importance of accurate data for various load scenarios:

- **Comprehensive Load Data:** To make informed calculations, it's essential to have access to all relevant data. Rocket Rack provides both point and distributed load information, taking into account factors such as deflection and live loads for specific applications. Unlike systems that only offer distributed load ratings, our approach considers diverse scenarios, including point loads and different conduit sizes running across the same beam.
- **Factor of safety:** Every calculation presented by an engineer should incorporate an adequate safety factor. We prioritize safety in our load ratings, ensuring that the specified capacities have a built-in margin for unforeseen circumstances.
- **Load Types (Point and Distributed):** Understanding the distinctions between concentrated point loads and uniformly distributed loads is crucial. Our load ratings address these variations, providing a nuanced approach that goes beyond standard beam ratings. This ensures a more accurate representation of the load-bearing capacity in diverse mounting scenarios.

ATTENTION!

The Rocket Rack® slots are to be used for securing conduit and process pipe fasteners (U-Bolts, Rocket Standoff, Sanitary Clamps, etc.) only. The proprietary slot is NOT to be used as a means of installing the Rocket Rack itself. The Rocket Rack should be installed using only the mounting holes provided.

ROCKET RACK FLAT is for WALL MOUNT and POST MOUNT ONLY!

Rocket Rack is a pre-engineered product. Do not attempt to cut or alter the Rocket Rack product in any way. The load ratings provided in this document only apply to unaltered Rocket Rack products. Robroy Industries, dba Rocket Rack disclaims all potential liability that may result from improper installation of the Rocket Rack product or from cutting the rack or changing the size of the slot or mounting holes. You agree to indemnify and hold Robroy Industries harmless from any loss, damage, claim, cost or expense incurred or suffered by Robroy Industries relating to any Rocket Rack product that you improperly installed or altered in any way.

Manufacturing the patented Rocket Rack Conduit and Pipe Support Racks without the permission of Robroy Industries (by license or waiver) constitutes infringement and will expose the unauthorized user AND manufacturer to liability under U.S. Patent Law. Robroy Industries respects intellectual property rights and expects to have its rights respected. Robroy Industries has invested considerable resources in protecting its intellectual property and fully intends to vigorously protect these assets against any infringement or other unlawful actions.

Rocket Rack U.S. Patents: D608,183 S, D599,194 S, D599,193 S, D653,524 S & D649,863 S and patents pending.

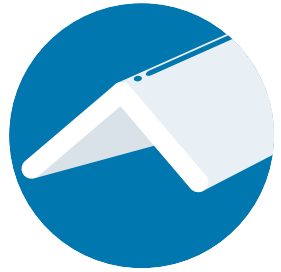
Rocket Rack® Tented™

U.S. PATENT NO. D653,524 S



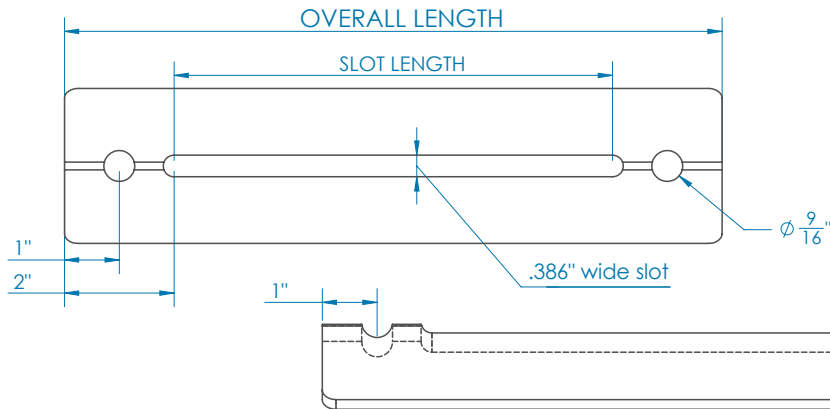
- 1 These slots and mounting holes are centered on peak or heel of the angle.
- 2 Loads on these tables are based on utilizing the outside mounting holes.
- 3 Custom designed rack load ratings can be provided at request if designed within Rocket Rack engineering parameters.
- 4 Load ratings are based on ASD, 9th Edition, Section F1; however it is suggested that the loads in the tables be reduced by a Factor of Safety of 2 for safe performance.
- 5 For slot dimensions and placement, call Rocket Rack® 903.680.4222.

RACK LENGTH	NUMBER OF SLOTS
12" - 15"	1
16" - 25"	2
26" - 35"	3
36" - 54"	4
60" - 72"	6

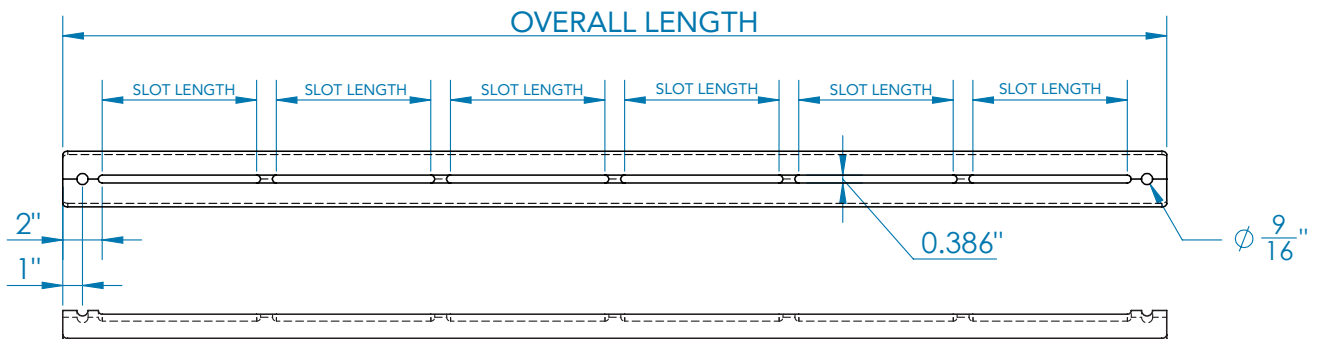


**ROCKET RACK®
TENTED™**

1 Slot Tented



6 Slot Tented



**LOAD RATINGS ARE LISTED FOR TWO MATERIALS
HAVING THE FOLLOWING PROPERTIES:**

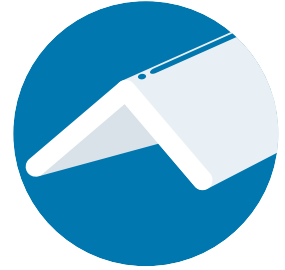
MATERIAL	YIELD STRESS (KSI)	MOD OF ELASTICITY (KSI)
304/316 Stainless Steel	30	28100
6061-T6 Aluminum	37	10000

Rocket Rack® Tented™

U.S. PATENT NO. D653,524 S

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. ⁴)	Min. Section Mod. (in. ³)	Radius of Gyration (in.)
0.7392	0.0693	0.1133	0.3061



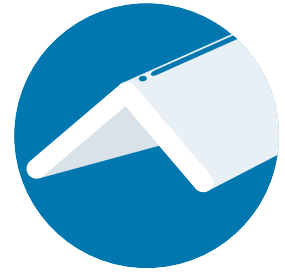
ROCKET RACK® TENTED™

Tented™ 304 & 316 Stainless 2x2x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRTNT30412 RRTNT31612	12"	816	0.0087	3892	2595	1632	0.0109	6227	4152
RRTNT30414 RRTNT31614	14"	680	0.0126	2703	1802	1360	0.0157	4324	2883
RRTNT30416 RRTNT31616	16"	583	0.0171	1986	1324	1166	0.0214	3177	2118
RRTNT30418 RRTNT31618	18"	510	0.0224	1520	1014	1020	0.0280	2433	1622
RRTNT30420 RRTNT31620	20"	453	0.0283	1201	801	907	0.0354	1922	1281
RRTNT30422 RRTNT31622	22"	408	0.0349	973	649	816	0.0437	1557	1038
RRTNT30424 RRTNT31624	24"	371	0.0423	804	536	742	0.0528	1287	858
RRTNT30426 RRTNT31626	26"	340	0.0503	676	450	680	0.0629	1081	721
RRTNT30428 RRTNT31628	28"	314	0.0590	576	384	628	0.0738	921	614
RRTNT30430 RRTNT31630	30"	291	0.0685	496	331	583	0.0856	794	530
RRTNT30432 RRTNT31632	32"	272	0.0786	432	288	544	0.0983	692	461
RRTNT30434 RRTNT31634	34"	255	0.0894	380	253	510	0.1118	608	405
RRTNT30436 RRTNT31636	36"	240	0.1010	337	224	480	0.1262	539	359
RRTNT30438 RRTNT31638	38"	227	0.1132	300	200	453	0.1415	480	320
RRTNT30440 RRTNT31640	40"	215	0.1261	270	180	429	0.1577	431	288
RRTNT30442 RRTNT31642	42"	204	0.1398	243	162	408	0.1747	389	259
RRTNT30444 RRTNT31644	44"	194	0.1541	221	147	389	0.1926	353	235
RRTNT30446 RRTNT31646	46"	185	0.1691	201	134	371	0.2114	322	214
RRTNT30448 RRTNT31648	48"	177	0.1848	184	123	355	0.2310	294	196
RRTNT30450 RRTNT31650	50"	170	0.2013	169	113	340	0.2516	270	180
RRTNT30452 RRTNT31652	52"	163	0.2184	156	104	326	0.2730	249	166
RRTNT30454 RRTNT31654	54"	157	0.2362	144	96	314	0.2952	230	154
RRTNT30456 RRTNT31656	56"	151	0.2547	133	89	302	0.3184	214	142
RRTNT30458 RRTNT31658	58"	146	0.2739	124	83	291	0.3424	199	132
RRTNT30460 RRTNT31660	60"	141	0.2938	116	77	281	0.3673	185	123

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. ⁴)	Min. Section Mod. (in. ³)	Radius of Gyration (in.)
0.7392	0.0693	0.1133	0.3061



ROCKET RACK® TENTED™

Tented™ 6061-T6 Aluminum 2x2x1/4

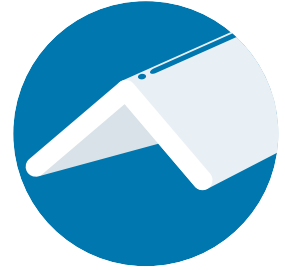
PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRTNTALU12	12"	1006	0.0303	1385	923	2013	0.0378	2216	1477
RRTNTALU14	14"	839	0.0436	962	641	1677	0.0545	1539	1026
RRTNTALU16	16"	719	0.0593	707	471	1438	0.0742	1131	754
RRTNTALU18	18"	629	0.0775	541	361	1258	0.0969	866	577
RRTNTALU20	20"	559	0.0981	427	285	1118	0.1226	684	456
RRTNTALU22	22"	503	0.1211	346	231	1006	0.1514	554	369
RRTNTALU24	24"	457	0.1465	286	191	915	0.1832	458	305
RRTNTALU26	26"	419	0.1744	240	160	839	0.218	385	256
RRTNTALU28	28"	387	0.2046	205	137	774	0.2558	328	219
RRTNTALU30	30"	359	0.2373	177	118	719	0.2967	283	188
RRTNTALU32	32"	335	0.2725	154	103	671	0.3406	246	164
RRTNTALU34	34"	314	0.31	135	90	629	0.3875	216	144
RRTNTALU36	36"	296	0.35	120	80	592	0.4375	192	128
RRTNTALU38	38"	280	0.3923	107	71	559	0.4904	171	114
RRTNTALU40	40"	265	0.4371	96	64	530	0.5464	153	102
RRTNTALU42	42"	252	0.4844	87	58	503	0.6055	139	92
RRTNTALU44	44"	240	0.534	79	52	479	0.6675	126	84
RRTNTALU46	46"	229	0.5861	72	48	457	0.7326	114	76
RRTNTALU48	48"	219	0.6406	65	44	438	0.8007	105	70
RRTNTALU50	50"	210	0.6975	60	40	419	0.8719	96	64
RRTNTALU52	52"	201	0.7568	55	37	403	0.946	89	59
RRTNTALU54	54"	194	0.8186	51	34	387	1.0232	82	55
RRTNTALU56	56"	186	0.8828	47	32	373	1.1034	76	51
RRTNTALU58	58"	180	0.9494	44	29	359	1.1867	71	47
RRTNTALU60	60"	174	1.0184	41	27	347	1.273	66	44

Rocket Rack® Tented™

U.S. PATENT NO. D653,524 S

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. ⁴)	Min. Section Mod. (in. ³)	Radius of Gyration (in.)
1.2392	0.3204	0.3321	0.5085



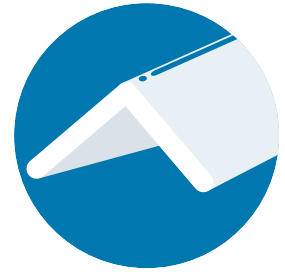
TENTED™ ANGLE ROCKET RACK®

Tented™ 304 Stainless 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3TNT30436 RR3TNT31636	36"	703	0.0640	1558	1038	1407	0.0800	2492	1662
RR3TNT30438 RR3TNT31638	38"	664	0.0717	1389	926	1329	0.0896	2223	1482
RR3TNT30440 RR3TNT31640	40"	629	0.0799	1247	831	1259	0.0999	1995	1330
RR3TNT30442 RR3TNT31642	42"	598	0.0885	1125	750	1196	0.1107	1801	1200
RR3TNT30444 RR3TNT31644	44"	569	0.0976	1021	681	1139	0.1220	1633	1089
RR3TNT30446 RR3TNT31646	46"	544	0.1071	930	620	1087	0.1339	1488	992
RR3TNT30448 RR3TNT31648	48"	520	0.1171	851	567	1040	0.1464	1362	908
RR3TNT30450 RR3TNT31650	50"	498	0.1275	782	521	996	0.1594	1250	834
RR3TNT30452 RR3TNT31652	52"	478	0.1383	720	480	957	0.1729	1152	768
RR3TNT30454 RR3TNT31654	54"	460	0.1496	666	444	920	0.1879	1066	710
RR3TNT30456 RR3TNT31656	56"	443	0.1614	618	412	886	0.2017	988	659
RR3TNT30458 RR3TNT31658	58"	427	0.1735	574	383	854	0.2169	919	612
RR3TNT30460 RR3TNT31660	60"	412	0.1862	535	357	825	0.2327	856	571
RR3TNT30462 RR3TNT31662	62"	399	0.1992	500	333	797	0.249	800	534
RR3TNT30464 RR3TNT31664	64"	386	0.2127	468	312	771	0.2659	750	500
RR3TNT30466 RR3TNT31666	66"	374	0.2267	440	293	747	0.2833	703	469
RR3TNT30468 RR3TNT31668	68"	362	0.241	413	276	725	0.3013	661	441
RR3TNT30470 RR3TNT31670	70"	352	0.2559	389	260	703	0.3198	623	415
RR3TNT30472 RR3TNT31672	72"	342	0.2711	367	245	683	0.3389	588	392

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in.^4)	Min. Section Mod. (in.^3)	Radius of Gyration (in.)
1.2392	0.3204	0.3321	0.5085



TENTED™ ANGLE ROCKET RACK®

Tented™ 6061-T6 Aluminum 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3TNTALU36	36"	867	0.2217	554	370	1735	0.2771	887	591
RR3TNTALU38	38"	819	0.2485	494	330	1639	0.3107	791	527
RR3TNTALU40	40"	776	0.2769	444	296	1552	0.3462	710	473
RR3TNTALU42	42"	737	0.3068	401	267	1475	0.3836	641	427
RR3TNTALU44	44"	702	0.3383	363	242	1405	0.4229	581	387
RR3TNTALU46	46"	670	0.3713	331	221	1341	0.4641	530	353
RR3TNTALU48	48"	641	0.4058	303	202	1282	0.5073	485	323
RR3TNTALU50	50"	614	0.4419	278	185	1229	0.5523	445	297
RR3TNTALU52	52"	590	0.4794	256	171	1180	0.5993	410	273
RR3TNTALU54	54"	567	0.5186	237	158	1134	0.6482	379	253
RR3TNTALU56	56"	546	0.5592	220	147	1092	0.699	352	234
RR3TNTALU58	58"	527	0.6014	204	136	1053	0.7518	327	218
RR3TNTALU60	60"	509	0.6451	190	127	1017	0.8064	305	203
RR3TNTALU62	62"	492	0.6904	178	119	983	0.863	285	190
RR3TNTALU64	64"	476	0.7372	167	111	951	0.9215	267	178
RR3TNTALU66	66"	461	0.7855	156	104	922	0.9819	250	167
RR3TNTALU68	68"	447	0.8354	147	98	894	1.0442	235	157
RR3TNTALU70	70"	434	0.8868	139	92	867	1.1085	222	148
RR3TNTALU72	72"	421	0.9402	131	87	842	1.1752	209	139

Rocket Rack® Standard

U.S. PATENT NOS. D608,183 S & D599,194 S



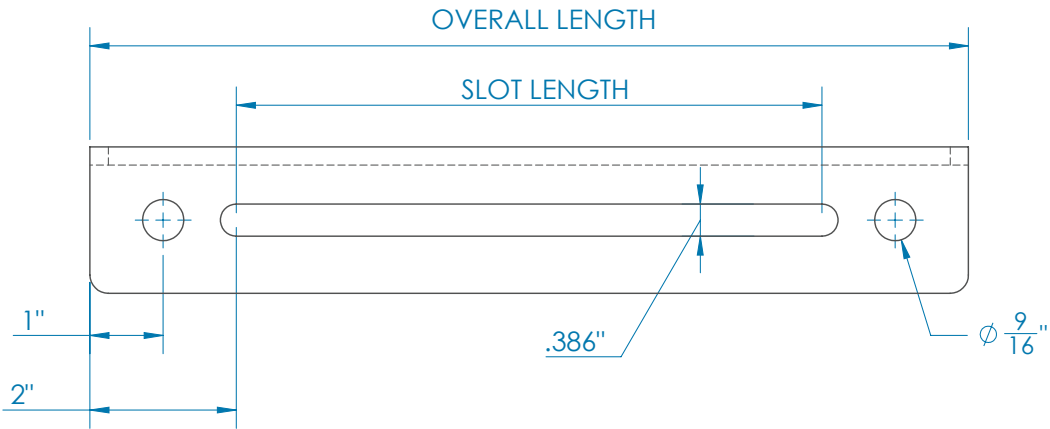
- 1 These slots and mounting holes are centered on horizontal flat leg of the angle.
- 2 Loads on these tables are based on utilizing the outside mounting holes.
- 3 Custom designed rack load ratings can be provided at request if designed within Rocket Rack engineering parameters.
- 4 Load ratings are based on ASD, 9th Edition, Section F1.
- 5 For slot dimensions and placement, call Rocket Rack® 903.680.4222.

RACK LENGTH	NUMBER OF SLOTS
12"-35"	1
36"-55"	2
56"-72"	4

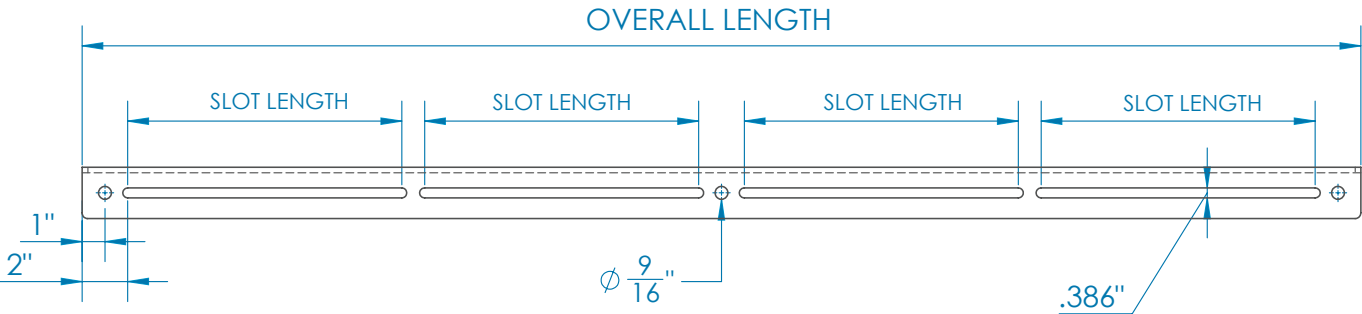


**ROCKET RACK®
STANDARD**

1 Slot Standard



4 Slot Standard



**LOAD RATINGS ARE LISTED FOR TWO MATERIALS
HAVING THE FOLLOWING PROPERTIES:**

MATERIAL	YIELD STRESS (KSI)	MOD OF ELASTICITY (KSI)
304/316 Stainless Steel	30	28100
6061-T6 Aluminum	37	10000

Rocket Rack® Standard

U.S. PATENT NOS. D608,183 S & D599,194 S

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in.^4)	Min. Section Mod. (in.^3)	Radius of Gyration (in.)
0.639	0.251	0.211	0.6263



ROCKET RACK® STANDARD

Standard 304 & 316 Stainless 2x2x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRSTD30412 RRSTD31612	12"	1517	0.0045	14094	9396	3033	0.0056	22550	15034
RRSTD30414 RRSTD31614	14"	1264	0.0065	9787	6252	2528	0.0081	15660	10440
RRSTD30416 RRSTD31616	16"	1083	0.0088	7191	4794	2167	0.0110	11505	7670
RRSTD30418 RRSTD31618	18"	948	0.0115	5505	3670	1896	0.0143	8809	5872
RRSTD30420 RRSTD31620	20"	843	0.0145	4350	2900	1685	0.0182	6960	4640
RRSTD30422 RRSTD31622	22"	758	0.0179	3523	2349	1517	0.0224	5638	3758
RRSTD30424 RRSTD31624	24"	689	0.0217	2912	1941	1379	0.0271	4659	3106
RRSTD30426 RRSTD31626	26"	632	0.0258	2447	1631	1264	0.0323	3915	2610
RRSTD30428 RRSTD31628	28"	583	0.0303	2085	1390	1167	0.0379	3336	2224
RRSTD30430 RRSTD31630	30"	542	0.0352	1798	1198	1083	0.0439	2876	1918
RRSTD30432 RRSTD31632	32"	506	0.0404	1566	1044	1011	0.0504	2506	1670
RRSTD30434 RRSTD31634	34"	474	0.0459	1376	918	948	0.0574	2202	1468
RRSTD30436 RRSTD31636	36"	446	0.0518	1219	813	892	0.0648	1951	1300
RRSTD30438 RRSTD31638	38"	421	0.0581	1087	725	843	0.0726	1740	1160
RRSTD30440 RRSTD31640	40"	399	0.0647	976	651	798	0.0809	1562	1041
RRSTD30442 RRSTD31642	42"	379	0.0717	881	587	758	0.0897	1409	940
RRSTD30444 RRSTD31644	44"	361	0.0791	799	533	722	0.0989	1278	852
RRSTD30446 RRSTD31646	46"	345	0.0868	728	485	689	0.1085	1165	777
RRSTD30448 RRSTD31648	48"	330	0.0949	666	444	659	0.1186	1066	710
RRSTD30450 RRSTD31650	50"	316	0.1033	612	408	632	0.1291	979	652
RRSTD30452 RRSTD31652	52"	303	0.1121	564	376	607	0.1401	902	601
RRSTD30454 RRSTD31654	54"	292	0.1212	521	347	583	0.1515	834	556
RRSTD30456 RRSTD31656	56"	281	0.1307	483	322	562	0.1634	773	516
RRSTD30458 RRSTD31658	58"	271	0.1406	449	300	542	0.1758	719	479
RRSTD30460 RRSTD31660	60"	261	0.1508	419	279	523	0.1885	670	447

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. ⁴)	Min. Section Mod. (in. ³)	Radius of Gyration (in.)
0.639	0.251	0.211	0.6263



ROCKET RACK® STANDARD

Standard 6061-T6 Aluminum 2x2x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRSTDALU12	12"	1870	0.0155	5016	3344	3741	0.0194	8025	5350
RRSTDALU14	14"	1559	0.0224	3483	2322	3117	0.0280	5573	3715
RRSTDALU16	16"	1336	0.0305	2559	1706	2672	0.0381	4094	2730
RRSTDALU18	18"	1169	0.0398	1959	1306	2338	0.0497	3135	2090
RRSTDALU20	20"	1039	0.0503	1548	1032	2078	0.0629	2477	1651
RRSTDALU22	22"	935	0.0622	1254	836	1870	0.0777	2006	1338
RRSTDALU24	24"	850	0.0752	1036	691	1700	0.0940	1658	1105
RRSTDALU26	26"	779	0.0895	871	581	1559	0.1119	1393	929
RRSTDALU28	28"	719	0.105	742	495	1439	0.1313	1187	791
RRSTDALU30	30"	668	0.1218	640	426	1336	0.1523	1024	682
RRSTDALU32	32"	623	0.1398	557	372	1247	0.1748	892	594
RRSTDALU34	34"	585	0.1591	490	327	1169	0.1989	784	522
RRSTDALU36	36"	550	0.1796	434	289	1100	0.2245	694	463
RRSTDALU38	38"	520	0.2014	387	258	1039	0.2517	619	413
RRSTDALU40	40"	492	0.2244	347	232	984	0.2805	556	370
RRSTDALU42	42"	468	0.2486	313	209	935	0.3108	502	334
RRSTDALU44	44"	445	0.2741	284	190	891	0.3426	455	303
RRSTDALU46	46"	425	0.3008	259	173	850	0.3760	415	276
RRSTDALU48	48"	407	0.3288	237	158	813	0.4110	379	253
RRSTDALU50	50"	390	0.358	218	145	779	0.4475	348	232
RRSTDALU52	52"	374	0.3885	201	134	748	0.4856	321	241
RRSTDALU54	54"	360	0.4202	185	124	719	0.5252	297	198
RRSTDALU56	56"	346	0.4531	172	115	693	0.5664	275	183
RRSTDALU58	58"	334	0.4873	160	107	668	0.6091	256	171
RRSTDALU60	60"	322	0.5227	149	99	645	0.6534	239	159

Rocket Rack® Standard

U.S. PATENT NOS. D608,183 S & D599,194 S

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. ⁴)	Min. Section Mod. (in. ³)	Radius of Gyration (in.)
1.014	0.933	0.502	0.9593



ROCKET RACK® STANDARD

Standard 304 & 316 Stainless 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3STD30436 RR3STD31636	36"	1064	0.0332	4537	3025	2127	0.0415	7260	4840
RR3STD30438 RR3STD31638	38"	1005	0.0372	4047	2698	2009	0.0465	6467	4317
RR3STD30440 RR3STD31640	40"	952	0.0415	3632	2422	1903	0.0519	5812	3875
RR3STD30442 RR3STD31642	42"	904	0.0460	3278	2186	1808	0.0575	5245	3497
RR3STD30444 RR3STD31644	44"	861	0.0507	2973	1982	1722	0.0633	4758	3172
RR3STD30446 RR3STD31646	46"	822	0.0556	2709	1806	1644	0.0695	4335	2890
RR3STD30448 RR3STD31648	48"	786	0.0608	2479	1653	1572	0.0760	3966	2644
RR3STD30450 RR3STD31650	50"	753	0.0662	2277	1518	1507	0.0827	3643	2428
RR3STD30452 RR3STD31652	52"	723	0.0718	2098	1399	1446	0.0898	3357	2238
RR3STD30454 RR3STD31654	54"	695	0.0777	1940	1293	1391	0.0971	3104	2069
RR3STD30456 RR3STD31656	56"	670	0.0838	1799	1199	1339	0.1047	2878	1919
RR3STD30458 RR3STD31658	58"	646	0.0901	1673	1115	1292	0.1126	2676	1784
RR3STD30460 RR3STD31660	60"	623	0.0966	1559	1039	1247	0.1208	2495	1663
RR3STD30462 RR3STD31662	62"	603	0.1034	1457	971	1205	0.1293	2331	1554
RR3STD30464 RR3STD31664	64"	583	0.1104	1365	910	1167	0.1380	2183	1455
RR3STD30466 RR3STD31666	66"	565	0.1177	1281	854	1130	0.1471	2049	1366
RR3STD30468 RR3STD31668	68"	548	0.1251	1204	803	1096	0.1564	1927	1284
RR3STD30470 RR3STD31670	70"	532	0.1328	1134	756	1064	0.1660	1815	1210
RR3STD30472 RR3STD31672	72"	517	0.1408	1070	714	1033	0.1760	1713	1142

Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in.^4)	Min. Section Mod. (in.^3)	Radius of Gyration (in.)
1.014	0.933	0.502	0.9593



ROCKET RACK® STANDARD

Standard 6061-T6 Aluminum 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3STDALU36	36"	1312	0.1151	1615	1076	2624	0.1439	2584	1722
RR3STDALU38	38"	1239	0.1290	1440	960	2478	0.1613	2304	1536
RR3STDALU40	40"	1174	0.1438	1293	862	2347	0.1797	2068	1379
RR3STDALU42	42"	1115	0.1593	1167	778	2230	0.1991	1867	1244
RR3STDALU44	44"	1062	0.1756	1058	705	2124	0.2195	1693	1129
RR3STDALU46	46"	1014	0.1927	964	643	2027	0.2409	1543	1028
RR3STDALU48	48"	970	0.2107	882	588	1939	0.2633	1411	941
RR3STDALU50	50"	929	0.2294	810	540	1858	0.2867	1296	864
RR3STDALU52	52"	892	0.2489	747	498	1784	0.3111	1195	796
RR3STDALU54	54"	858	0.2692	690	460	1715	0.3365	1105	736
RR3STDALU56	56"	826	0.2903	640	427	1652	0.3629	1024	683
RR3STDALU58	58"	796	0.3122	595	397	1593	0.3903	952	635
RR3STDALU60	60"	769	0.3349	555	370	1538	0.4186	888	592
RR3STDALU62	62"	743	0.3584	519	346	1487	0.4480	830	553
RR3STDALU64	64"	719	0.3827	486	324	1439	0.4784	777	518
RR3STDALU66	66"	697	0.4078	456	304	1394	0.5097	729	486
RR3STDALU68	68"	676	0.4337	429	286	1352	0.5421	686	457
RR3STDALU70	70"	656	0.4603	404	269	1312	0.5754	646	431
RR3STDALU72	72"	637	0.4878	381	254	1274	0.6098	610	406

Ask Us About Our Educational Programs

Rocket Rack® continues to develop new and innovative products for our customers, always striving to make the contractor's work easier, with faster and safer installations. We are committed to keep our constituents educated and offer informational product overviews as well as installer certification training.

Product Overview

This 60-minute, interactive course provides an in-depth understanding of our complete raceway and sanitary support system and how its applications can:

- Increase product safety and protect plant infrastructure.
- Ensure hygienic protection against costly corrosion damage and ease of cleanability.
- Minimize labor costs and improve overall installed system performance.



Installer Certification

This 90-minute, interactive training is led by experts in corrosion protection and hygienic applications. This course includes classroom demonstrations and hands-on instruction focusing on tools and proper installation techniques for sanitary support systems.

Testimonials

"My customers really love the sleek design of Rocket Rack® products. The racks have a nice simple, clean look and can be used in a variety of applications. No matter the project, the end result is a very sharp-looking installation."

- **Electrical Contractor (Foreman), Missouri**

"We installed Rocket Rack® supports for a recent plant upgrade. It was a quick and efficient installation. We'd previously had to custom make each support stand, and they don't compare to your stands. We're very pleased with the Rocket Rack product."

- **Engineer, Pennsylvania**



Thank you for your interest in the patented Rocket Rack® Sanitary Support System for Electrical and Mechanical Installations. Most items listed in this catalog are factory stock items to ensure quick order turnaround and product shipment to meet tight job timeline requirements. For details on slot length and placement, please call us at 903.680.4222.

TO PLACE AN ORDER, CALL 903.680.4222 OR SEND TO CSR@ROBROY.COM.

TO ACCESS MOST RECENT RESOURCES, VISIT ROCKET-RACK.COM/LITERATURE.

Innovation & Design

With Rocket Rack®, there are unlimited possibilities to discover. And if you're not sure how best to make Rocket Rack work for your installation, our knowledgeable team is here to help. Based on your needs, we can help create a custom solution. We strive to make your job easier, with faster and safer installations. Call and tell us about your next project, and our design team can create a Rocket Rack solution for you.

This tri-post Rocket Rack Flat mechanical frame for plant washdown equipment is just one example of the limitless combinations made possible with Rocket Rack's broad product selection and endlessly configurable design. This unique customer solution consists of 20-foot-tall Rocket Posts™ secured in a triangular shape with multiple levels of three Flat Racks each, and it acts as both heavy-duty mechanical support for the washdown equipment and hygienic electrical infrastructure support for conduit running vertically in the area.



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