

*model no:*

SY100D, SY100P, SY101D,  
SY101P, SY102D, SY102P



## SPYDER SERIES

46" ROUND, SQUARE & ALPHABET KIDS TABLES  
EXPANDED METAL & PERFORATED  
PORTABLE & SURFACE MOUNT



**WABASH VALLEY**

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## *customer service:*

**ASSEMBLERS:** If you find any parts missing or damaged, or if you're having difficulty assembling your furniture/equipment, call us at:

\* Before calling, have your product model number available.

1-800-253-8619 (Inside U.S.A.)  
260-352-2102 (Outside U.S.A.)  
Monday thru Friday,  
8:00 AM - 4:30 PM Eastern Time  
(EXCEPT HOLIDAYS)

Any correspondence concerning our product should be sent directly to our Customer Service Manager at:

Wabash Valley Manufacturing, Inc.  
505 E. Main Street  
P.O.Box 5  
Silver Lake, IN 46982 U.S.A.  
FAX: 260-352-2160

## *maintenance:*

Regular inspection and maintenance of all parts, and fasteners is necessary. Tighten all bolts and nuts. Inspect Tops, Seats, Legs, Braces and Fasteners periodically for wear or vandalism. Replace broken or worn parts immediately or take equipment out of service until repairs are made. Use genuine Wabash Valley replacement parts.

To restore plastisol coating to its luster after prolonged use, wash/rinse/dry and use Armor-All ® or similar quality vinyl protectant.

KEEP THIS ASSEMBLY/SPECIFICATION SHEET FOR FUTURE REFERENCE.

## *specifications:*

NOTE: We reserve the right to change specifications without notice.

Heat fused poly-vinyl coating, finished on inner-metal structure, to an approximate 3/16" thickness. Framework assemblies are finished with powder coating; electrostatically applied and oven cured according to powder manufacturer's specifications. Fasteners are stainless steel to resist corrosion.

### TOPS

The round and square tops use 3/4 #9 expanded metal panel and the alphabet top is made of 10 gage sheet steel. The outside rails on the square are 10 gage steel, while the round top's frame is 1/8" x 1 1/2" strip steel. Mounting brackets are made of 1/4 flat bar stock. The support braces are made of 1/8 strip steel, and the umbrella collar is 14 gauge tubing.

### SEATS

The seats use 3/4 #9 expanded metal and 12 gage sheet metal for the perforated. The outside rails on the 3' seats use 14 gage steel and the perimeter ring on the concave seats are 1/8" x 1 1/2" strip steel and 1/4" flat bar for the mounting brackets.

### TABLE FRAME

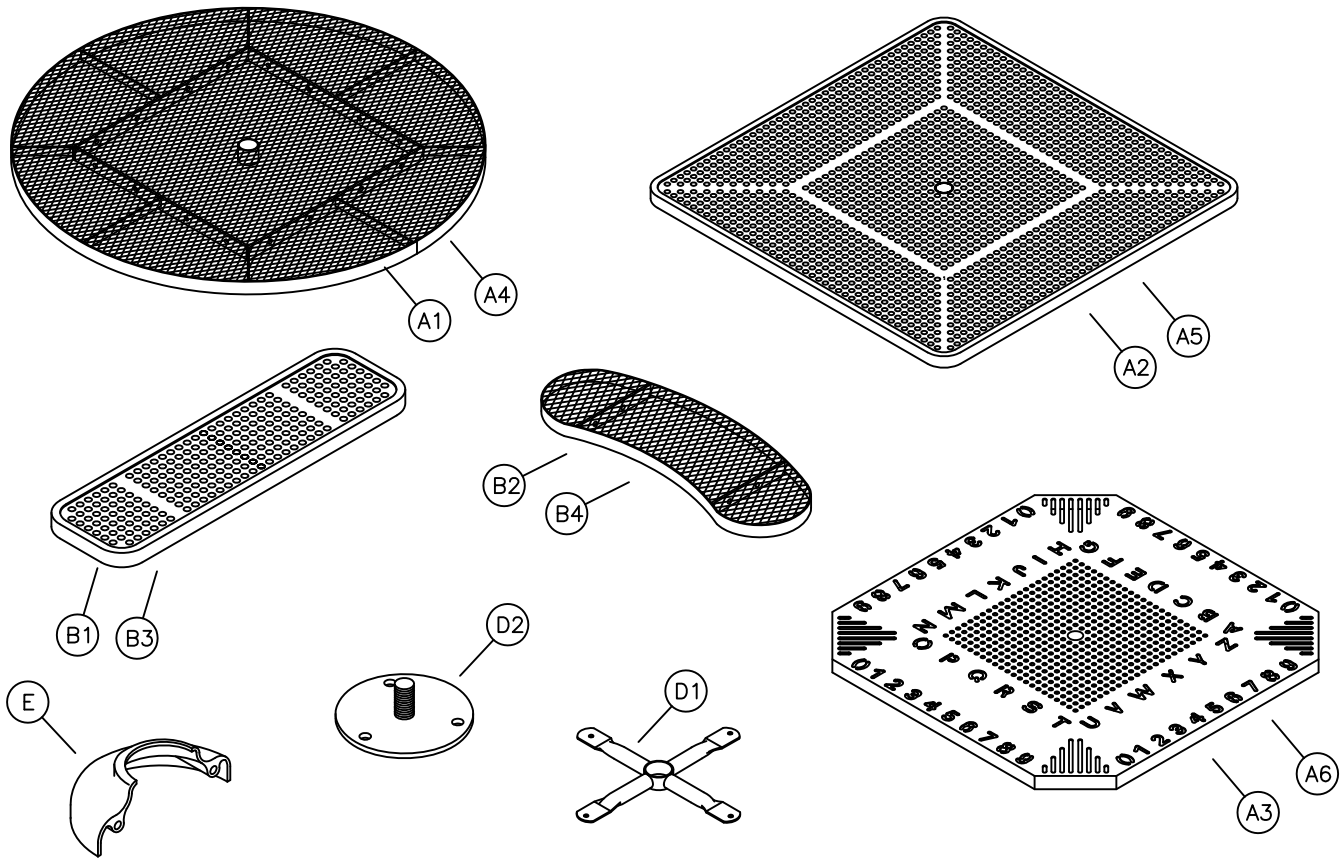
The Spyder legs are made of 12 gage x 2 7/8" od tubing. The brace mounting tab is 1/4" thick plate along with seat assembly mounting plate. The 46" Spyder leg uses a 1/4" flat bar for the mounting bracket, and the brace mounting tab is 7 gage plate. The surface mount plates are 1/4" thick x 6" steel. The inground screw in attachments are 12 gage x 2 7/8" tubing with a 7 gage insert and 5/8" threaded stud. The Spyder cross brace is of 16 gage x 1 1/4" tubing with a 12 gage x 2 3/8" od center piece. The mounting plate covers are cast aluminum. All tubing is galvanized.

### GENERAL

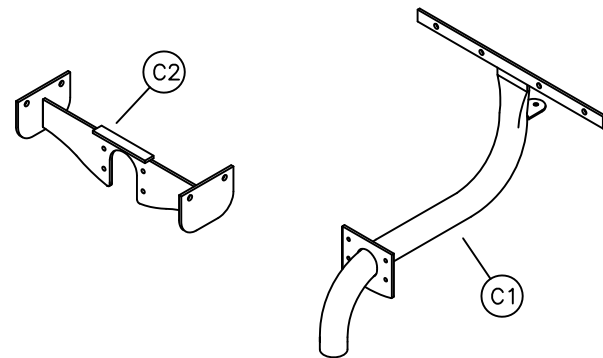
The ground space requirements are 71 7/8" square. It is 20 3/16" to the table's top and 11 13/16" to the top of the seats.

NOTE: When Umbrellas are used on Tables, the Umbrellas must be secured.  
Wabash Valley Umbrellas include an Umbrella Collar for securing.

parts identification:

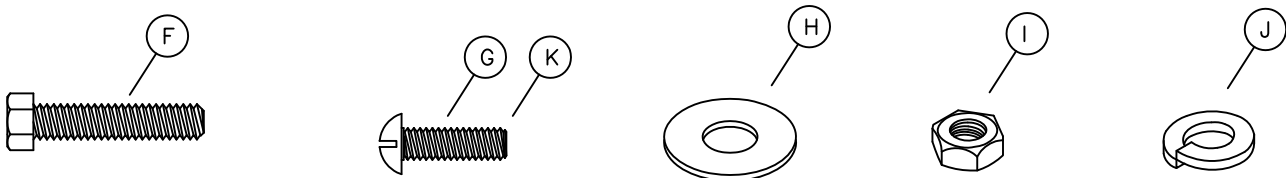


ITEM	PART#	DESCRIPTION	QTY
A1	7665	46" EXPANDED METAL ROUND TOP	1
A2	7504R	46" EXPANDED METAL SQUARE TOP	1
A3	7923	46" ALPHABET TOP - X.M.	1
A4	7976	46" PERFORATED ROUND TOP	1
A5	7971	46" PERFORATED SQUARE TOP	1
A6	8088	46" ALPHABET TOP - PERF	1
B1	7530R	3' EXPANDED METAL SEAT	4
B2	7666	3' EXPANDED METAL CONCAVE SEAT	4
B3	7998	3' PERFORATED SEAT	4
B4	8000	3' PERFORATED CONCAVE SEAT	4
C1	7261	KIDS SPYDER LEG	4
C2	7228	SPYDER LEG SEAT ASSEMBLY	4
D1	7207	SPYDER CROSS BRACE	1
D2	7256	SURFACE MOUNT SCREW IN ATTACHMENT	1
E	7120	MOUNTING PLATE COVERS (OPTIONAL)	8



ITEMS NOT TO SCALE

hardware identification:



ITEMS INCLUDED IN HARDWARE PACKAGE

ITEM	PART#	DESCRIPTION	#21061	#21101
F	17011	5/16-18 x 1 1/2" HEX HEAD BOLT - SS	48	0
G	17088	5/16-18 x 1" TRUSS HEAD MACHINE SCREW - SS	4	0
H	17028	3/8" ID x 7/8" OD WASHER - SS	100	0
I	17032	5/16-18 HEX FINISH NUT - SS	52	0
J	17050	5/16" SPLIT LOCK WASHER - SS	52	0
K	17052	1/4-20 x 1" MACHINE SCREW - SS	0	2

ASSEMBLY TOOLS REQUIRED

- 1 - REGULAR TIP SCREWDRIVER
- 2 - 1/2" WRENCHES
- 1 - 3' OR 6' LEVEL

## assembly procedures:

**IMPORTANT:** Assemblers should be reasonably skilled in the assembly of commercial grade/heavy duty fabricated steel equipment.

To ensure proper assembly, it is suggested that you take adequate time to locate and identify each part. To prevent scratching of the finished pieces, we recommend this unit to be assembled on a clean, flat, solid, surface with a drop cloth, allowing plenty of working room. Also please read the instructions and study the sketches very carefully. A little extra time spent before assembly will be well worth it in performing a complete, proper assembly. Please note that all parts have been pre-cut and pre-drilled.

During the assembly process leave all bolts and nuts "finger tight", until the entire unit is completely assembled. This allows room for movement to level or adjust all seats, tops, benches, framework and braces if necessary. After final adjustment and leveling, permanently tighten all nuts, bolts and fasteners.

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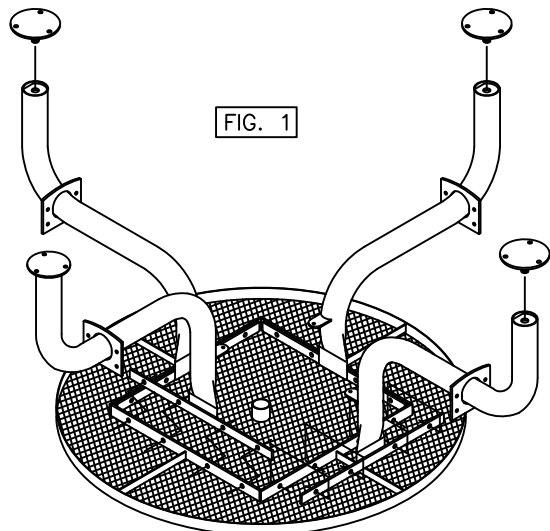


FIG. 1

**STEP 1:**  
Invert top (A-) and secure Spyder legs (C1) to the inside of the top's mounting brackets using one (F), (I), (J) and two (H) per (F), see FIG. 1. Attach screw in attachments (D2), see FIG. 1.

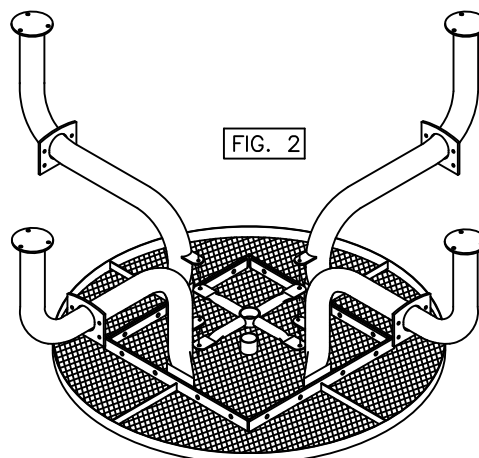


FIG. 2

**STEP 2:**  
Attach Spyder cross brace (D) to the inverted top side of the mounting tabs using one (G), (I), (J) and (H), see FIG. 2. After all parts have been secured carefully rotate the table to its upright position.

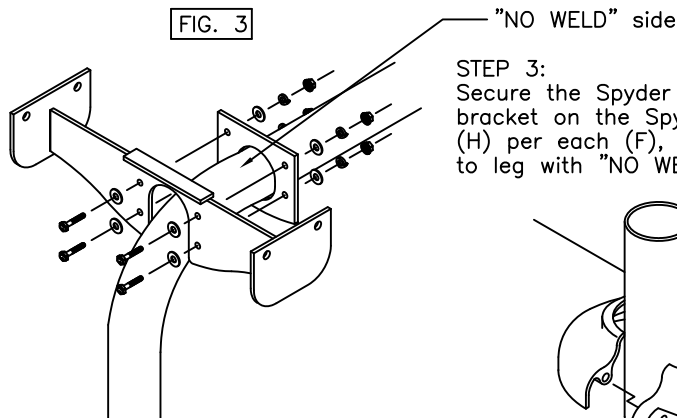


FIG. 3

**STEP 3:**  
Secure the Spyder leg seat assembly (C2) to the outside of the mounting bracket on the Spyder leg (C1) using one (F), one (I), one (J) and two (H) per each (F), see FIG. 3. Be sure seat assembly is assembled to leg with "NO WELD" side against leg mounting plate.

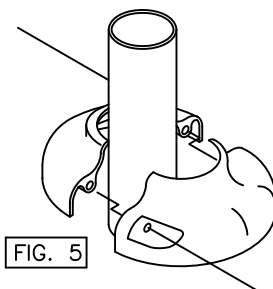


FIG. 5

**STEP 4:**  
Place the seat (B-) on the Spyder leg seat assembly (C2) so that the seat's mounting brackets are outside the seat assembly's mounting brackets, see FIG. 4. Secure using one (F), (I), (J) and two (H) per each (F). Level all seats and top, and tighten with proper wrenches.

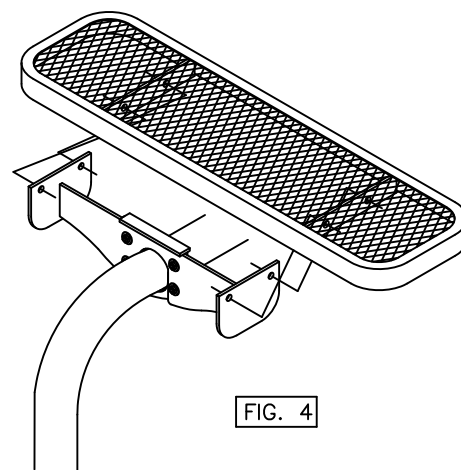


FIG. 4

If mounting plate covers (E) are used, place halves around legs and secure with 2 (K) screws, see FIG. 5. Draw to a snug fit being careful not to over tighten.

## installation:

**WARNING:** The proper installation for Wabash Valley products may depend upon many factors unique to the site, location, or use of a particular product. Consult with your contractor or other professional to determine your specific installation requirements.

*product dimensions:*

