



DESIGNATOR	W	T	
		a	b
PTP40	1-1/2 [38]	--	0.105 [2.7]
PTP41	1-3/4 [45]	0.083 [2.1]	0.105 [2.7]
PTP42	2 [51]	0.083 [2.1]	0.105 [2.7]
PTP43	2-1/4 [57]	0.083 [2.1]	0.105 [2.7]
PTP44	2-1/2 [64]	--	0.105 [2.7]

ULTI-MATE SQUARE TUBE SIGN POST



**Ultimate
Highway
Products**
PRIMUS company

ULTIMATE HIGHWAY PRODUCTS, INC.
P.O. BOX 7 - STANTON, CA 90680
800-730-4939 Fax 815-462-9562
Web Page <http://uhp-inc.com>

PTP40a-44b

SHEET NO.

REF. NO.

1 of 2

SPECIFICATIONS

Ulti-Mate square steel sign posts that are 0.105 in (2.7-mm) thick [designators ending in “b”] shall be made using ASTM A653 Grade 50 (275) structural quality steel. Sections that are 0.083 in (2.1-mm) thick [designators ending in “a”] shall be made using ASTM A653 Grade 50 (275). Posts shall be formed to the specified size and welded at the corner edge in such a manner that neither weld nor flash shall interfere with the telescoping properties of the post. Posts shall have 0.438 in (11-mm) diameter holes spaced 1 in (25.4-mm) along the entire length of the post on all four sides. Ulti-Mate square steel sign posts shall be zinc coated as per ASTM A653 coating type G-140 (Z-275).

Inertial properties shown below are based on the dimensions through the performance.

Designator	Size in (mm)	Area in ² (mm ²)	Mass lbs/ft (kg/m)	I in ⁴ (10 ³ mm ⁴)	S in ³ (10 ³ mm ³)	r in (mm)
PTP40b	1.50 (38)	0.380 (245)	1.74 (2.59)	0.129 (53.7)	0.172 (2.82)	0.591 (15)
PTP41a	1.75 (45)	0.392 (253)	1.71 (2.54)	0.201 (83.6)	0.227 (3.71)	0.709 (18)
PTP41b	1.75 (45)	0.485 (313)	2.09 (3.11)	0.231 (96.1)	0.261 (4.27)	0.709 (18)
PTP42a	2.00 (51)	0.474 (306)	1.99 (2.96)	0.296 (123.1)	0.295 (4.82)	0.787 (20)
PTP42b	2.00 (51)	0.591 (381)	2.44 (3.63)	0.372 (154.8)	0.370 (6.07)	0.787 (20)
PTP43a	2.25 (57)	0.558 (360)	2.28 (3.39)	0.469 (195.1)	0.418 (6.84)	0.906 (23)
PTP43b	2.25 (57)	0.694 (448)	2.79 (4.16)	0.561 (233.4)	0.501 (8.18)	0.906 (23)
PTP44b	2.50 (64)	0.818 (528)	3.14 (4.69)	0.804 (334.5)	0.638 (10.54)	0.984 (25)

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

INTENDED USE

Ulti-mate square steel sign posts can be used in a variety of sign support systems including the SSF01a-b direct burial perforated tube sign support system and the SSF02a-b perforated tube in anchor system.

REFERENCE

S.I. Sillan, “Acceptable Uses of Perforated Square Steel Tube Sign Post Per Request of Western Highway Products”. Geometric and Roadside Design Acceptance letter 62, Federal Highway Administration, June 3, 1996.

CONTACT INFORMATION

Ultimate Highway Products, Inc
P.O. Box 7 - Stanton, CA 90680
800-730-4939 Fax 815-462-9562
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