

SIGN POST: PWF11a-15a

BASE POST: PWF11b-PWF15b

DESIGNATOR	POST	BASE PLT	A	B	C	L	K
PWF11a-b	S3X5.7 [S75X8]	FPS01	1½ [38]	3⅝ [92]	½ [14]	40 [995]	¾ [20]
PWF12a-b	W6X12 [W150X18]	FPS02	2¾ [56]	3⅝ [92]	1⅛ [18]	50 [1280]	¾ [20]
PWF13a-b	W8X24 [W200X36]	FPS03	3½ [89]	4⅞ [105]	1⅜ [22]	75 [1885]	1 [25]
PWF14a-b	W10X33 [W250X49]	FPS04	5½ [140]	4⅝ [118]	1⅞ [28]	98 [2490]	1¼ [30]
PWF15a-b	W12X45 [W310X67]	FPS05	5½ [140]	5½ [140]	1⅞ [28]	98 [2490]	1½ [35]

WIDE FLANGE SLIP BASE & SIGN POST

PWF11a-15b

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SPECIFICATIONS

Wide flange sign and base posts shall be manufactured using AASHTO M183M (ASTM A36M) steel with dimensions that conform to the sizes given in AASHTO M160M (ASTM A6M). Rectangular slipbase base plates shall be manufactured from AASHTO M183M (ASTM A36M) steel plate. A slipbase plate shall be welded onto the sign post (PWF11a-15a) and base post (PWF11b-15b) using a fillet welded all around the structural shape profile. All welding shall conform to ANSI/AASHTO/AWS D1.5. After all welding is complete, the base-plate/base-post assembly shall be zinc coated according to AASHTO M111 (ASTM A123).

Designator	Area (10 ³ mm ²)	I _x (10 ⁶ mm ⁴)	I _y (10 ⁶ mm ⁴)	S _x (10 ³ mm ³)	S _y (10 ³ mm ³)
PWF11a-b	1.8	1.1	0.2	27.6	6.4
PWF12a-b	2.3	9.2	1.3	120.0	24.7
PWF13a-b	4.6	34.4	7.6	342.0	92.6
PWF14a-b	6.3	113.0	38.8	893.0	306.0
PWF15a-b	8.5	145.0	20.7	948.0	203.0

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

These wide flange sign and base posts are used in the rectangular uni-directional slipbase (SSSO1a-b).

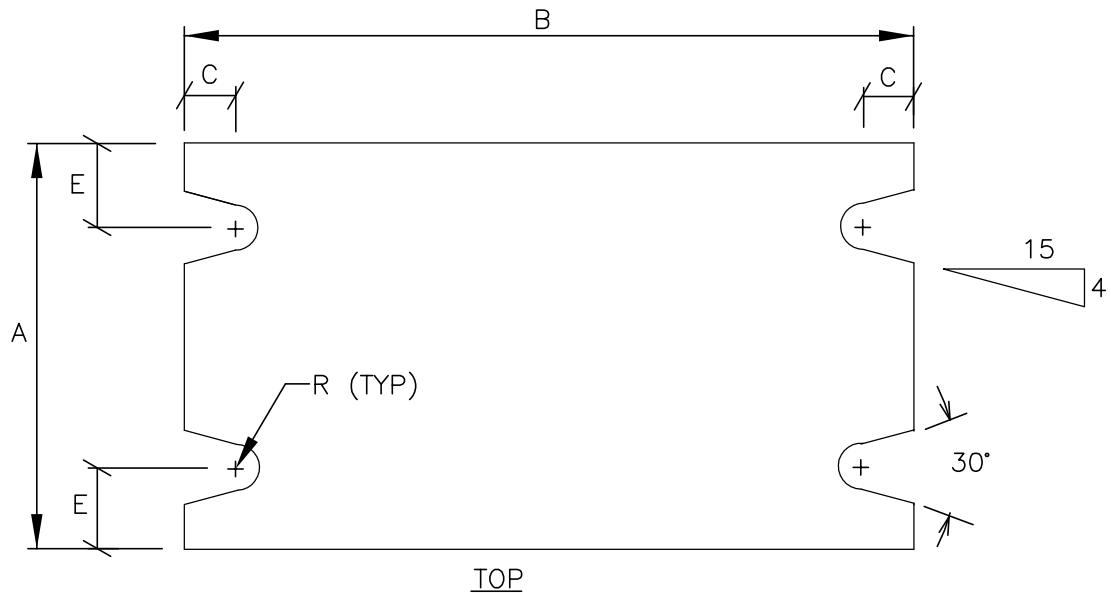
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ELEVATION

DETAIL A: SLIPBASE PLATE

DESIGNATOR	A	B	C	E	R	T
PWF11a-b	4 [100]	7 [180]	$\frac{3}{4}$ [20]	1 [25]	$\frac{1}{4}$ [7]	1 [25]
PWF12a-b	$4\frac{1}{64}$ [102]	10 [250]	$\frac{3}{4}$ [20]	$1\frac{1}{64}$ [26]	$\frac{3}{8}$ [9]	$1\frac{1}{2}$ [40]
PWF13a-b	$6\frac{1}{2}$ [166]	12 [320]	$\frac{7}{8}$ [22]	$16\frac{15}{16}$ [43]	$\frac{7}{16}$ [11]	$1\frac{3}{4}$ [45]
PWF14a-b	8 [202]	16 [400]	$1\frac{1}{4}$ [32]	$1\frac{5}{8}$ [41]	$\frac{9}{16}$ [14]	2 [50]
PWF15a-b	10 [254]	18 [450]	$1\frac{1}{4}$ [32]	2 [52]	$\frac{9}{16}$ [14]	2 [50]

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