

PIPE BRACE PLACEMENT & ATTACHMENT OPTIONS

(SHEET 1 OF 2)

Pipe Brace Assembly Guidelines

- To determine pipe brace spacing, determine wind loading (PSF) X gang height to determine (PLF).
- Pipe brace extension is based on placement of the anchor head at approx. 2/3rds the vertical height of formwork = (B) and anchor base a distance from the base face of the formwork = (A) where the pipe brace is no more than 60 degrees from horizontal. See Figure 4. below.
- Pipe Brace extension (E) = $\sqrt{A^2 + B^2}$
- Determine allowable load based on pipe brace extension = (L); as shown in Figure 1 or Figure 5., (Sheet 2 of 2). Contact engineering for more information regarding allowable pipe brace loads
- Maximum pipe brace spacing is determined by dividing the calculated (PLF) by (L). But in no event should the spacing exceed 9'-0"
- Pipe Brace top head anchoring options are shown in figure 2.
- Pipe brace base anchoring options are shown in Figure 3.
- Always anchor the base of the formwork gang against vertical uplift cause by wind or other loading conditions. Utilize Allform Hold-down brackets or positioning clips to anchor formwork at the sill line at a spacing no greater than the pipe brace spacing.

Note: all components must be inspected for cracks, broken welds or any other visible defects prior to each use. Replace all components that are deemed to be unsafe for use.

PIPE BRACE SIZE	EXTENSION (FT)			ALLOWABLE LOAD (LBS)		
	MIN	MAX	RANGE	MIN	MAX	RANGE
0305 PIPE BRACE	3.0	4.8	1.9	12,500	10,750	1,750
0509 PIPE BRACE	5.2	8.9	3.6	11,500	4,250	7,250
1019 PIPE BRACE	10.9	19.4	8.5	2,550	1,125	1,425

Figure 1. Pipe Brace Range & Loading Chart



Figure 2.1 Attach To Walkway Bracket

Figure 2.2 Attach To Stacking Clamp

Figure 2.3 Attach To STD. Clamp/Two-Way Assembly

Figure 2. Pipe Brace Head Anchoring Options



Figure 3.1 Two Braces To One-Way Clip

Figure 3.2 Single Brace To One-Way Clip

Figure 3.3 Single Brace To Two-Way Clip (Back Hole)

Figure 3. Pipe Brace Base Anchoring Options

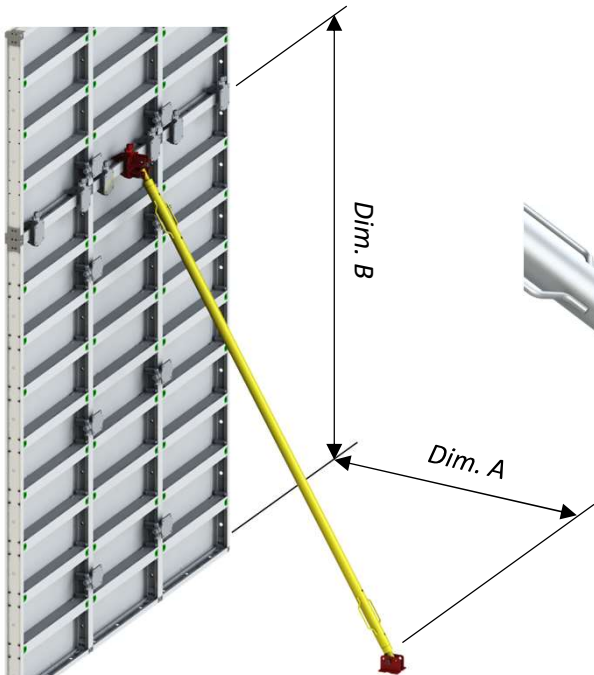


Figure 4. Typical Pipe Brace Assembly With One-Way Base & Clamp/Two-Way Head Assembly

