

FIXED SHOE

400 K ≤ REACTION < 1000 K, USE %" WELD. 1000 K ≤ REACTION ≤ 1500 K, USE ¾" WELD. * FOR REACTIONS ≥ 1000 KIPS USE 2" STIFFENERS.

TABLE OF DIMENSIONS

REACTION (KIPS)	A	в	с	G VALUES							r			
				G=1'-7"	G=1'-9"	G=1'-11"	G=2'-1"	G=2'-3"	G=2'-5"	н	CTEM		s	т
				U	U	U	U	U	U		STEM	PLATE		
400-499	1 ¹⁵ / ₁₆ "	2 ¹⁵ / ₁₆ "	3"	2'-8"	2'-8"	2'-10"	3'-0"		—	1'-6"	1 ¹ / ₁₆ "	145/64"	2⅔"	1'-4"
500-599	1 ¹⁵ / ₁₆ "	2 ¹⁵ / ₁₆ "	3"	3'-0"	3'-0"	3'-0"	3'-0"	—	—	1'-7"	1 ¹ / ₁₆ "	145/64"	2⅔"	1'-5"
600-699	1 ¹⁵ / ₁₆ "	2 ¹⁵ / ₁₆ "	3"	—	3'-3"	3'-3"	3'-3"	3'-3"	—	1'-9"	$1^{1} \frac{1}{16}$ "	145/64"	2¾"	1'-6"
700-799	23⁄16"	37/16"	31⁄2"	—	-	3'-6"	3'-6"	3'-6"	3'-6"	1'-10"	1 ¹⁵ / ₁₆ "	1 ⁶ %4"	27⁄8"	1'-7"
800-899	2 ³ / ₁₆ "	37/16"	3½"	—	-	3'-9"	3'-9"	3'-9"	3'-9"	2'-0"	1 ¹⁵ / ₁₆ "	1 ⁶¹ ⁄64"	2%"	1'-8"
900-999	2¾ ₁₆ "	37/16"	31⁄2"	—	_	3'-10"	3'-10"	3'-10"	3'-10"	2'-1"	1 ¹⁵ / ₁₆ "	1 ⁶¹ ⁄64"	27⁄8"	1'-10"
1000-1099	27/16"	3 ¹⁵ / ₁₆ "	4"	—	_	—	4'-0"	4'-0"	4'-0"	2'-3"	23⁄16"	2 ¹ ‰4"	3¾"	1'-11"
1100-1199	27/16"	315/16"	4"	—	—	—	4'-2"	4'-2"	4'-2"	2'-4"	2 ³ / ₁₆ "	2 ¹³ ⁄64"	3¾"	2'-0"
1200-1299	27⁄16"	3 ¹⁵ / ₁₆ "	4"	—	—	—	—	4'-4"	4'-4"	2'-5"	2¾6"	2 ¹ ‰4"	3¾"	2'-1"
1300-1399	27/16"	3 ¹⁵ / ₁₆ "	4"	—	_	—	—	4'-6"	4'-6"	2'-6"	23/16"	2 ¹³ ⁄ ₆₄ "	3%"	2'-2"
1400-1500	27⁄16"	315/16"	4"	—		-	—	4'-8"	4'-8"	2'-7"	2¾6"	2 ¹ 3⁄64"	3¾"	2'-3"
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NOTES FABRICATOR MAY INCREASE 'BASE PLATE' THICKNESS AS AN ALTERNATE TO SHIMS.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS, ON WELDED BEARINGS. FINAL MACHINING CAN BE PERFORMED BEFORE WELDING IS COMPLETED.

ALL MATERIAL FOR BEARINGS INCLUDING SHIMS BUT EXCLUDING ANCHOR BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM SPECIFICATION TYPE A709 GRADE 50W STEEL.

ALL ARCHOR BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM SPECIFICATION TYPE A700 GROBS SEG. STELL ANCHOR BOLTS SHALL BE THERADED 3', PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT FRE BOLT. PROJECT ANCHOR BOLTS''S "PALET THICKINGS + 2½' ABOVE TOP OF CONCRETE MASONRY. CHAMFER ANCHOR BOLTS PRIOR TO THERADING.

AFTER WELDING SHOE ASSEMBLY, FINISH BOTTOM OF BASE PLATE TO A FLAT SURFACE.

ALL SURFACES MARKED " \$\overlinesymbol{symbo

ANCHOR BOLT DISTANCES ALONG "T" OR "U" MAY BE INCREASED FROM MINIMUM SHOWN WHEN A COMMON GRID DETAIL IS DESIRED FOR SEVERAL BEARINGS.

FOR UNPAINTED STRUCTURES THE UPPER 6" OF THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AS REQUIRED BY ASTM DESIGNATION A153, CLASS C OR B633.

ALL MATERIALS IN TYPE "B" FIXED SHOE BEARINGS, INCLUDING SHIMS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES FIXED B-_-_".



USE AASHTO LRFD SERVICE I LOADS FOR BEARING SELECTION. CONSIDER ONLY DEAD LOAD AND HL-93 LIVE LOADS INCLUDING 33% DYNAMIC LOAD ALLOWAANCE. THE BEARINGS ON THIS STANDARD WERE DESIGNED USING THE STANDARD SPECIFICATION.