

# SURFACE MOUNTED

FOR DEAD STOP ADD 3/4" TO "A" DIMENSION

ALL DRILLING & TAPPING TO BE DONE IN FIELD  
ALL DIMENSIONS SHOWN IN INCHES

"A" & "B" DIMENSIONS MEASURED FROM CENTER LINE OF PIVOT

MODEL NO.	DEGREE	85° H.D.			90° H.D.			95° H.D.			100° H.D.			105° H.D.			110° H.D.			
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
3111	18° TO 23-15/16"	2-1/2	5-1/8	2-2/16	4-13/16	1-7/8	4-1/2	1-11/16	4-5/16	—	—	—	—	—	—	—	—	—	—	13-11/16
3121	18° TO 23-15/16"	2-1/2	5-1/8	2-2/16	4-13/16	1-7/8	4-1/2	1-11/16	4-5/16	—	—	—	—	—	—	—	—	—	—	13-11/16
3131	18° TO 23-15/16"	2-1/2	5-1/8	2-2/16	4-13/16	1-7/8	4-1/2	1-11/16	4-5/16	—	—	—	—	—	—	—	—	—	—	13-11/16
3112	24° TO 29-15/16"	5	6-3/4	4-5/8	6-3/8	4-1/4	6	3-15/16	5-11/16	3-11/16	5-7/16	—	—	—	—	—	—	—	—	15-9/16
3113	24° TO 29-15/16"	5	6-3/4	4-5/8	6-3/8	4-1/4	6	3-15/16	5-11/16	3-11/16	5-7/16	—	—	—	—	—	—	—	—	15-9/16
3122	24° TO 29-15/16"	5	6-3/4	4-5/8	6-3/8	4-1/4	6	3-15/16	5-11/16	3-11/16	5-7/16	—	—	—	—	—	—	—	—	15-9/16
3132	24° TO 29-15/16"	5	6-3/4	4-5/8	6-3/8	4-1/4	6	3-15/16	5-11/16	3-11/16	5-7/16	—	—	—	—	—	—	—	—	15-9/16
3114	36° TO 48°	14-3/8	9-3/16	15-15/16	8-5/8	12-7/8	7-11/16	12-1/2	7-5/16	12-1/2	7-5/16	12-1/8	6-13/16	12-1/8	6-13/16	12-1/16	12-1/16	12-1/8	6-13/16	12-1/16
3124	36° TO 48°	14-3/8	9-3/16	15-15/16	8-5/8	12-7/8	7-11/16	12-1/2	7-5/16	12-1/2	7-5/16	12-1/8	6-13/16	12-1/8	6-13/16	12-1/16	12-1/16	12-1/8	6-13/16	12-1/16
3134	36° TO 48°	14-3/8	9-3/16	15-15/16	8-5/8	12-7/8	7-11/16	12-1/2	7-5/16	12-1/2	7-5/16	12-1/8	6-13/16	12-1/8	6-13/16	12-1/16	12-1/16	12-1/8	6-13/16	12-1/16

MODEL NO.	DEGREE	85° H.D.			90° H.D.			95° H.D.			100° H.D.			105° H.D.			110° H.D.			
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
3111	18° TO 23-15/16"	2-3/4	5-3/8	2-7/16	5-1/16	2-1/8	4-3/4	1-13/16	4-9/16	—	—	—	—	—	—	—	—	—	—	12-11/16
3121	18° TO 23-15/16"	2-3/4	5-3/8	2-7/16	5-1/16	2-1/8	4-3/4	1-13/16	4-9/16	—	—	—	—	—	—	—	—	—	—	12-11/16
3131	18° TO 23-15/16"	2-3/4	5-3/8	2-7/16	5-1/16	2-1/8	4-3/4	1-13/16	4-9/16	—	—	—	—	—	—	—	—	—	—	12-11/16
3112	24° TO 29-15/16"	5-1/4	7	4-7/8	6-5/8	4-1/2	6-1/4	4-3/16	5-15/16	3-15/16	5-11/16	—	—	—	—	—	—	—	—	15-9/16
3122	24° TO 29-15/16"	5-1/4	7	4-7/8	6-5/8	4-1/2	6-1/4	4-3/16	5-15/16	3-15/16	5-11/16	—	—	—	—	—	—	—	—	15-9/16
3132	24° TO 29-15/16"	5-1/4	7	4-7/8	6-5/8	4-1/2	6-1/4	4-3/16	5-15/16	3-15/16	5-11/16	—	—	—	—	—	—	—	—	15-9/16
3113	36° TO 35-15/16"	10-1/4	7-15/16	9-3/4	7-7/16	9-5/16	7	9	6-11/16	8-11/16	6-3/8	6-3/8	6-1/16	6-3/8	6-1/16	6-7/16	6-1/16	6-1/16	6-7/16	16-7/16
3123	36° TO 35-15/16"	10-1/4	7-15/16	9-3/4	7-7/16	9-5/16	7	9	6-11/16	8-11/16	6-3/8	6-3/8	6-1/16	6-3/8	6-1/16	6-7/16	6-1/16	6-1/16	6-7/16	16-7/16
3133	36° TO 35-15/16"	10-1/4	7-15/16	9-3/4	7-7/16	9-5/16	7	9	6-11/16	8-11/16	6-3/8	6-3/8	6-1/16	6-3/8	6-1/16	6-7/16	6-1/16	6-1/16	6-7/16	16-7/16
3114	36° TO 48°	14-5/8	9-7/16	14-1/16	8-3/4	12-9/16	8-3/8	12-1/8	7-15/16	12-3/4	7-9/16	12-3/8	7-3/16	12-3/8	7-3/16	12-1/16	12-1/16	12-3/8	7-3/16	12-1/16
3124	36° TO 48°	14-5/8	9-7/16	14-1/16	8-3/4	12-9/16	8-3/8	12-1/8	7-15/16	12-3/4	7-9/16	12-3/8	7-3/16	12-3/8	7-3/16	12-1/16	12-1/16	12-3/8	7-3/16	12-1/16
3134	36° TO 48°	14-5/8	9-7/16	14-1/16	8-3/4	12-9/16	8-3/8	12-1/8	7-15/16	12-3/4	7-9/16	12-3/8	7-3/16	12-3/8	7-3/16	12-1/16	12-1/16	12-3/8	7-3/16	12-1/16

MODEL NO.	DEGREE	85° H.D.			90° H.D.			95° H.D.			100° H.D.			105° H.D.			110° H.D.			
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
3111	18° TO 27-7/16"	3-1/8	5-3/4	2-13/16	5-7/16	2-1/2	5-1/8	2-5/16	4-15/16	2-3/16	4-13/16	2	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8
3121	18° TO 27-7/16"	3-1/8	5-3/4	2-13/16	5-7/16	2-1/2	5-1/8	2-5/16	4-15/16	2-3/16	4-13/16	2	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8
3131	18° TO 27-7/16"	3-1/8	5-3/4	2-13/16	5-7/16	2-1/2	5-1/8	2-5/16	4-15/16	2-3/16	4-13/16	2	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8	4-5/8
3112	24° TO 31-7/16"	5-5/8	7-3/8	5-1/4	7	4-7/8	6-5/8	4-9/16	6-5/16	4-5/16	6-1/16	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2
3122	24° TO 31-7/16"	5-5/8	7-3/8	5-1/4	7	4-7/8	6-5/8	4-9/16	6-5/16	4-5/16	6-1/16	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2
3132	24° TO 31-7/16"	5-5/8	7-3/8	5-1/4	7	4-7/8	6-5/8	4-9/16	6-5/16	4-5/16	6-1/16	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2
3113	30-1/2° TO 38-5/16"	10-5/8	8-5/16	10-1/8	7-13/16	9-11/16	7-2/8	9-3/8	7-1/16	9-1/16	6-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4
3123	30-1/2° TO 38-5/16"	10-5/8	8-5/16	10-1/8	7-13/16	9-11/16	7-2/8	9-3/8	7-1/16	9-1/16	6-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4
3133	30-1/2° TO 38-5/16"	10-5/8	8-5/16	10-1/8	7-13/16	9-11/16	7-2/8	9-3/8	7-1/16	9-1/16	6-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4	8-3/4
3114	39° TO 48°	15	9-13/16	14-7/16	9-1/4	12-15/16	8-3/4	13-1/2	8-5/16	13-1/8	7-15/16	12-3/4	7-9/16	12-3/4	7-9/16	12-1/16	12-1/16	12-3/4	7-9/16	12-1/16
3124	39° TO 48°	15	9-13/16	14-7/16	9-1/4	12-15/16	8-3/4	13-1/2	8-5/16	13-1/8	7-15/16	12-3/4	7-9/16	12-3/4	7-9/16	12-1/16	12-1/16	12-3/4	7-9/16	12-1/16
3134	39° TO 48°	15	9-13/16	14-7/16	9-1/4	12-15/16	8-3/4	13-1/2	8-5/16	13-1/8	7-15/16	12-3/4	7-9/16	12-3/4	7-9/16	12-1/16	12-1/16	12-3/4	7-9/16	12-1/16

1-3/8" TO 2-3/8"  
DOOR THICKNESS  
CENTER LINE

1-3/8" TO 1-5/8"  
DOOR THICKNESS  
BUTT & OFFSET PIVOT

1-3/8" TO 2-3/8"  
DOOR THICKNESS  
BUTT & OFFSET PIVOT