



**BRIGHTON  
TRU-EDGE HEADS**

# TANK HEAD TOLERANCE CHART

TOLERANCES UP TO AND INCLUDING 1/2" THICK

HEAD DIAMETER	CIRCUMFERENCE TOLERANCE	OUT OF ROUND TOLERANCE	* OVERALL HEIGHT	* STRAIGHT FLANGE
UP TO 60"	+/- 1/8"	1% OF DIAMETER	+/- 1/4"	+/- 3/16"
61" - 96"	+/- 1/8"	1% OF DIAMETER	+/- 1/4"	+/- 3/16"
97" - 120"	+/- 1/8"	1% OF DIAMETER	+/- 1/4"	+/- 3/16"
121" - 144"	+/- 1/8"	1% OF DIAMETER	+/- 1/4"	+/- 1/4"
145" AND ABOVE	+/- 1/8"	1% OF DIAMETER	+/- 1/4"	+/- 1/4"

TOLERANCES OVER 1/2" THICK TO 1" THICK

HEAD DIAMETER	CIRCUMFERENCE TOLERANCE	OUT OF ROUND TOLERANCE	* OVERALL HEIGHT	* STRAIGHT FLANGE
UP TO 60"	+/- 1/8"	1% OF DIAMETER	+/- 1/4"	+/- 1/4"
61" - 96"	+/- 3/16"	1% OF DIAMETER	+/- 1/4"	+/- 1/4"
97" - 120"	+/- 3/16"	1% OF DIAMETER	+/- 3/8"	+/- 1/4"
121" - 144"	+/- 3/16"	1% OF DIAMETER	+/- 3/8"	+/- 1/4"
145" AND ABOVE	+/- 3/16"	1% OF DIAMETER	+/- 1/2"	+/- 1/2"

TOLERANCES OVER 1" THICK

HEAD DIAMETER	CIRCUMFERENCE TOLERANCE	OUT OF ROUND TOLERANCE	* OVERALL HEIGHT	* STRAIGHT FLANGE
61" - 96"	+/- 1/4"	1% OF DIAMETER	+/- 3/4"	+/- 1/2"
97" - 120"	+/- 5/16"	1% OF DIAMETER	+/- 1"	+/- 3/4"
121" AND ABOVE	+/- 3/8"	1% OF DIAMETER	+/- 1"	+/- 3/4"

*\* IT IS NOT POSSIBLE TO HOLD BOTH THE STRAIGHT FLANGE AND THE OVERALL HEIGHT TOLERANCE. IF THE STRAIGHT FLANGE TOLERANCE MUST BE HELD, THE HEIGHT BECOMES A REFERENCE DIMENSION. IF THE HEIGHT TOLERANCE MUST BE HELD, THE STRAIGHT FLANGE BECOMES A REFERENCE DIMENSION. IF NEITHER THE STRAIGHT FLANGE NOR OVERALL HEIGHT IS SPECIFIED AS THE HOLD DIMENSION, BRIGHTON WILL RELEASE THE HEAD IF EITHER TOLERANCE IS MET.*

DISHED ONLY HEADS UNDER 1" THICK **	
HEAD DIAMETER	DIAMETER TOLERANCE
UP TO 48"	+1/2" / -0"
49" - 96"	+3/4" / -0"
97" - 144"	+1" / -0"
145" AND ABOVE	ON APPLICATION

FLANGED ONLY HEADS ***	
HEAD DIAMETER	FLATNESS TOLERANCE
UP TO 60"	+/- 3/16"
61" - 95"	+/- 1/4"
96" - 120"	+/- 3/8"
121" AND ABOVE	+/- 1/2"

*\*\* DISHED ONLY TOLERANCES ARE BASED ON UNTRIMMED HEADS THAT HAVE A DISH RADIUS EQUAL TO THE DIAMETER. BRIGHTON OFFERS TRIMMED HEADS WITH EITHER A RADIAL OR VERTICAL TRIM. THESE TOLERANCES SHOULD BE AGREED UPON AT TIME OF ORDER.*

*\*\*\* FLANGED ONLY TOLERANCE DO NOT APPLY TO HEADS WITH WELD SEAMS.*

Parameters are given as reference only. Please call your salesman for specific inquiries.  
Ask us about polishing, burning nozzle openings, or applying jacketing to your ASME Flanged and Dished Heads.

**BRIGHTON TRU-EDGE HEADS | 4955 SPRING GROVE AVE. | CINCINNATI, OH 45232**  
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