

CMF YOUNGSTOWN TOLERANCES

FERROUS MATERIALS (EXCLUDING STAINLESS STEEL)

Head Size O.D. Nominal	Outer Diameter Tolerance	O.D. Ovality Max.	Flange	
			Hi/Lo Max.	Concavity Max.
Up to 14"	+3/64" - 1/32"	1/16	1/16	1/32
Over 14" thru 18"	+1/16" -1/32"	1/16	1/8	1/32
Over 18" thru 22"	+3/32" -1/32"	3/32	1/8	1/32
Over 22" thru 30"	+1/8" -1/16"	1/8	1/8	1/16
Over 30" thru 42"	+1/8" -1/16"	3/16	3/16	1/16
Over 42" thru 54"	+3/16" -1/16"	3/16	1/4	1/16
Over 54" thru 72"	+1/4" -1/8"	5/16	3/8	1/16

NON-FERROUS MATERIALS (INCLUDING STAINLESS STEEL)

Head Size O.D. Nominal	Outer Diameter Tolerance	O.D. Ovality Max.	Flange	
			Hi/Lo Max.	Concavity Max.
Up to 14"	+3/32" - 1/32"	5/64	1/16	1/32
Over 14" thru 18"	+1/8" -1/32"	5/64	1/8	1/32
Over 18" thru 22"	+1/8" -1/32"	7/64	1/8	1/32
Over 22" thru 30"	+3/16" -1/16"	5/32	1/8	1/16
Over 30" thru 42"	+7/32" -1/16"	7/32	3/16	1/16
Over 42" thru 54"	+1/4" -1/16"	7/32	1/4	1/16
Over 54" thru 72"	+3/8" -1/8"	3/8	3/8	1/16