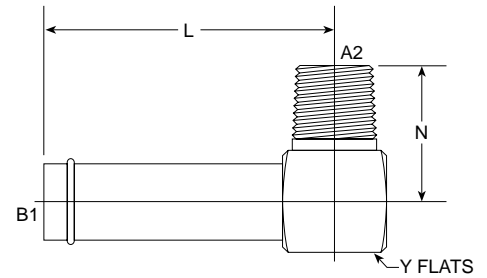


# HB-MP 90° 4501 Series



NEW

PART NO. SIZE	B1 TUBE O.D.	A2 NPTF	L LGTH M.M.	N LGTH M.M.	Y FLATS	Y FLATS M.M.	Standard Material From Stock						
							S	FG	SS	B			
4501-04-02	1/4	1/8-27	1.750	44.45	0.781	19.84	1/2	0.500	12.70	•			
4501-04-04	1/4	1/4-18	1.810	45.97	1.060	26.92	5/8	0.625	15.88	•			
4501-05-02	5/16	1/8-27	1.750	44.45	0.780	19.81	1/2	0.500	12.70	•			
4501-06-02										•			
4501-06-04	3/8	1/4-18	1.812	46.02	1.093	27.76	5/8	0.625	15.88	•			
4501-06-06	3/8	3/8-18	1.890	48.01	1.220	30.99	13/16	0.812	20.62	•		•	
4501-06-08	3/8	1/2-14	1.970	50.04	1.460	37.08	15/16	0.937	23.80	•			
4501-08-04	1/2	1/4-18	1.810	45.97	1.100	27.94	5/8	0.625	15.88	•			
4501-08-06	1/2	3/8-18	1.906	48.41	1.218	30.94	13/16	0.812	20.62	•		•	•
4501-08-08	1/2	1/2-14	1.980	50.29	1.470	37.34	15/16	0.937	23.80	•			
4501-08-12	1/2	3/4-14	1.968	49.99	2.062	52.37	1 1/8	1.125	28.58	•			
4501-10-06	5/8	3/8-18	1.968	49.99	1.278	32.46	15/16	0.937	23.80	•		•	
4501-10-08	5/8	1/2-14	1.968	49.99	1.468	37.29	15/16	0.937	23.80	•			
4501-10-12	5/8	3/4-14	2.060	52.32	1.600	40.64	1 1/8	1.125	28.58	•			
4501-12-06	3/4	3/8-18	1.900	48.26	1.220	30.99	13/16	0.812	20.62	•			
4501-12-08	3/4	1/2-14	1.970	37.34	1.470	50.04	15/16	0.937	23.80	•			
4501-12-12	3/4	3/4-14	2.062	52.37	1.593	40.46	1 1/8	1.125	28.58	•		•	
4501-12-16	3/4	1-11 1/2	2.190	55.63	1.980	50.29	1 3/8	1.375	34.93	•			
4501-16-08	1	1/2-14	2.053	52.15	1.561	39.65	1 1/8	1.125	28.58	•			
4501-16-12	1	3/4-14	2.080	52.83	1.600	40.64	1 1/8	1.125	28.58	•		•	
4501-16-16	1	1-11 1/2	2.187	55.55	1.968	49.99	1 3/8	1.375	34.93	•		•	
4501-16-20	1	1 1/4-11 1/2	2.380	60.45	2.380	60.45	1 3/4	1.750	44.45	•			
4501-16-24	1	1 1/2-11 1/2	2.520	64.01	2.640	67.06	2	2.000	50.80	•			
4501-20-16	1 1/4	1-11 1/2	1.200	30.48	1.980	50.29	1 3/8	1.375	34.93	•			
4501-20-20	1 1/4	1 1/4-11 1/2	2.375	60.33	2.375	60.33	1 3/4	1.750	44.45	•			
4501-20-24	1 1/4	1 1/2-11 1/2	2.500	63.50	2.640	67.06	2	2.000	50.80	•			
4501-24-16	1 1/2	1-11-1/2	2.380	60.45	2.160	54.86	1 3/4	1.750	44.45	•	•		
4501-24-20	1 1/2	1 1/4-11 1/2	2.380	60.45	2.380	60.45	1 3/4	1.750	44.45	•			
4501-24-24	1 1/2	1 1/2-11 1/2	2.500	63.50	2.640	67.06	2	2.000	50.80	•			
4501-32-32	2	2-11 1/2	2.812	71.42	3.000	76.20	2 5/8	2.625	66.68	•	•		