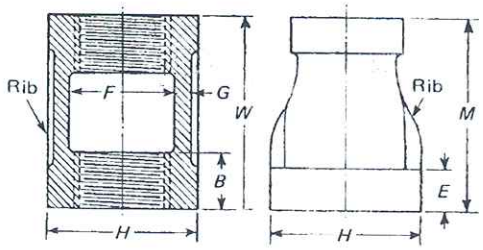
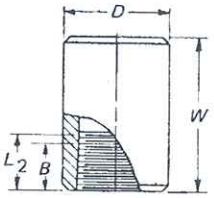
Table 8 Dimensions of Class 150 Couplings (Straight and Reducing Sizes)



Cast



Wrought

NPS	Minimum Length of Thread, B	Minimum Length of Thread, L_2	Minimum Width of Band, E	Inside Diameter of Fittings, F, Min.	Inside Diameter of Fittings, F, Max.	Metal Thickness, G	Minimum Outside Diameter of Band, H	Thickness of Ribs	Length of Straight Couplings, W	Length of Reducing Concentric Couplings, M [Notes (1) and (2)]	Steel Couplings [Notes (2) and (3)], Length, W	Steel Couplings [Notes (2) and (3)], Outside Diameter, D
1/8	6.4	6.7	5.1	10.3	11.0	2.29	17.6	2.29	24.2	...	20.7	14.3
1/4	8.1	10.2	5.5	13.7	14.8	2.41	21.4	2.41	26.9	25.4	30.2	18.3
3/8	9.1	10.4	5.8	17.1	18.3	2.54	25.8	2.54	29.5	28.7	30.2	22.2
1/2	10.9	...	6.3	21.3	22.8	2.67	30.4	2.67	34.0	31.8	...	...
3/4	12.7	...	6.9	26.7	28.1	3.05	37.0	3.05	38.6	36.6	...	...
1	14.7	...	7.7	33.4	35.2	3.40	45.0	3.40	42.4	42.9	...	...
1 1/4	17.0	...	8.7	42.2	43.9	3.68	54.7	3.60	49.0	52.3	...	...
1 1/2	17.8	...	9.3	48.3	50.0	3.94	61.6	3.84	54.6	58.7	...	...
2	19.1	...	10.7	60.3	62.1	4.39	75.3	4.39	64.3	71.4	...	...
2 1/2	23.4	...	12.1	73.0	75.6	5.33	91.2	5.33	73.2	82.6	...	...
3	24.9	...	13.9	88.9	91.4	5.87	108.8	5.87	80.8	93.7	...	...
4	27.4	...	16.8	114.4	116.8	6.73	137.2	6.73	93.7	111.3	...	...

GENERAL NOTES:

(a) Dimensions are in millimeters.

(b) Right- and left-hand pattern couplings are standard only in sizes up to and including NPS 2.

NOTES:

(1) Dimension *M* for all reduction of reducing couplings (concentric only) shall be the same as shown for the largest opening. Dimension *M* for eccentric couplings is not standard; such information should be obtained from the manufacturer.

(2) Couplings NPS 3/8 and smaller may be cast or made from steel rod with a minimum yield strength of 207 MPa at the option of the manufacturer.

(3) Steel couplings are made without recess. Dimension *B* for steel couplings is the minimum length of perfect thread, and the length of useful thread (*B* plus threads with fully formed roots and flat crests) shall be not less than L_2 (effective length of external thread) required by ANSI/ASME B1.20.1. See section 8.