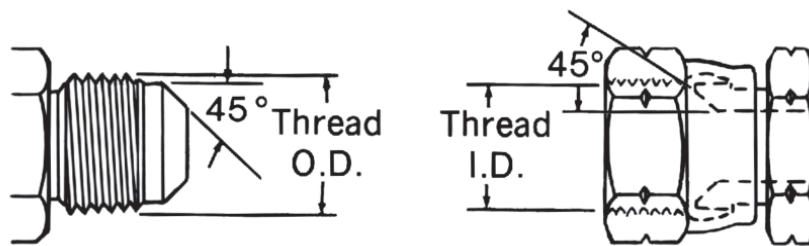




SAE - 45°

This connection is commonly used in refrigeration, automotive and truck piping systems. The connector is frequently made of brass. Both the male and female connectors have 45° seats. The seal takes place between the male flare and the female cone seat. The threads hold the connection mechanically.

Caution: In the -02, -03, -04, -05, -08 and -10 sizes, the threads of the SAE 37° flare and SAE 45° flare are the same. However, the sealing surface angles are not the same.



Male Half

Female Half

Inch Size	Dash Size	Nominal Thread Size	Male Thread O.D. (in)	Female Thread I.D. (in)
1/8	02	5/16-24	5/16 (.31)	9/32 (.27)
3/16	03	3/8-24	3/8 (.38)	11/32 (.34)
1/4	04	7/16-20	7/16 (.44)	13/32 (.39)
5/16	05	1/2-20	1/2 (.50)	15/32 (.45)
3/8	06	5/8-18	5/8 (.63)	9/16 (.57)
1/2	08	3/4-16	3/4 (.75)	11/16 (.69)
5/8	10	7/8-14	7/8 (.88)	13/16 (.81)
3/4	12	1 1/16-14	1 1/16 (1.06)	1 (.99)
7/8	14	1 1/4-12	1 1/4 (1.25)	1 5/32 (1.16)
1	16	1 3/8-12	1 3/8 (1.38)	1 1/32 (1.29)