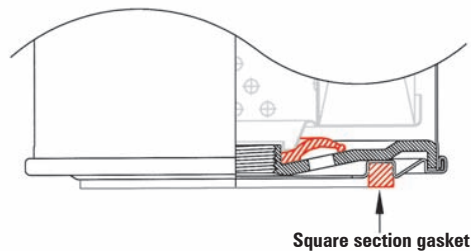


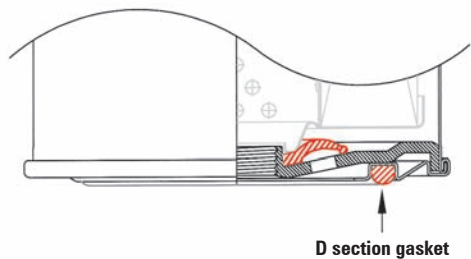
Techo Tips - Torque Settings & Gasket Types

There are generally three types of gaskets used in the manufacture of filters. The type of gasket can dramatically change the fitting requirements depending on the design of the filter being used and its recommended application.

A filter using a square section gasket usually requires two thirds to three quarters of a turn after the gasket contacts the mounting pad and is the most common form of gasket used in the market today.



A filter that has a "D" section gasket or rounded type usually requires a torque setting typical to that found on the O.E. or in the vehicle manufacturer's handbook. This is generally 1.5 - 2.1 kg.M (14.7 - 20.5 Nm) and is commonly found with vehicles from Asia. This torque represents approximately three quarters to one full turn after the gasket makes contact with the mounting pad.



Metal contact filters - Filters with this type of gasket typically show a "tadpole" type of view when the gasket is sectioned through. These gasket types allow the filter and the mounting pad to make metal to metal contact. This type of gasket is usually found on diesel vehicle applications. Fitting instructions on or with these types of filters must be adhered to.

Note:

Many filters can be fitted to the correct setting by hand. Filters that require a torque setting however, can differ slightly in their tightness due to application variances and gasket seal types.

Note:

DO NOT FIT/TIGHTEN EVERY SPIN-ON OIL FILTER BY APPLYING YOUR OWN STANDARD ONE THIRD TO THREE QUARTER TURN FROM GASKET CONTACT. *All Ryco filters have the recommended degree of turn detailed on/with each filter. This must be followed for warranty purposes.*

