



Technical Tip #114 – Gaging NPTF Internal and External Pipe Threads

NPTF (National Pipe Taper Fuel) or dry seal threads are for more critical applications than NPT.

Therefore, a greater variety of gages are required to check size, taper, and actual thread form.

The crests of the external thread are “sharper” or more pointed than the roots of the internal threads, which are flat. When hand tightened, these crests interfere, but the flanks remain separated. When wrench tightened, all these areas are crushed together and form a leak proof seal.