



700 SERIES COMPRESSION FITTINGS

TELSCO FITTINGS - Telsco Fittings are completely assembled at the factory and may be used on plain-end pipe just as they come to you - no need to disassemble. No threading of pipe is required. Simply insert pipe into the Telsco fitting and then tighten End Nuts to the prescribed torque with an ordinary wrench.

FOR GENERAL PIPING - Telsco 700 and K700 Series Fittings can be used in most general piping applications. Typical uses would include:

- plumbing and heating piping
- industrial piping
- water system installations
- plumbing and heating repairs
- piping additions and alterations
- pump installations

*Not recommended for steam applications

CLAMP STYLE - Telsco's unique K700 clamp-style fitting "bites" the pipe to hold greater pressure and resist pipe pull-out in general piping applications.

FOR PLASTIC PIPING - Telsco K700 Series Fittings are suitable for fast, easy installation or repair of most IPS plastic pipe:

- metal insert stiffeners should be used to support pipe wall
- not recommended for thin wall notch sensitive tubing

For Polyethylene piping installations see special instructions.

700 AND K700 SERIES GENERAL SPECIFICATIONS -

- coupling and adapter bodies, 1020HR steel tubing
- tee and ell bodies and end nuts, malleable iron Grade 32510
- electro-galvanized or iron phosphate black finish
- Buna-N gasket with maximum rated service temperature of 100° C and minimum of -25° C
- stainless steel clamp ring Type 302 (K700 Series)

STEEL PIPE INSTALLATION

WARNING - System Designer and/or Contractor must provide suitable anchoring of piping to prevent pull-out from fittings when applications subject piping to external forces such as ground shift and temperature variations that cause linear pipe contraction.

Telsco fittings are suitable for use on water and oil installations and carry a limited warranty to give satisfactory service when recommended pressures are not exceeded and when fittings are installed per torque specifications.

MECHANICAL JOINT ASSEMBLY PROCEDURE FOR POLYETHYLENE PIPE & TUBE PE2306 & PE3406

Described below are the recommended assembly procedures for Telsco Series K700 compression fittings.

BURR REMOVAL - To facilitate assembly, any internal and external burrs are to be removed from the cut-off ends of the pipe. Remove cutting chips from inside of pipe.

STIFFENER INSERTION - A metal Stiffener is required to be inserted within the polyethylene pipe for support of the pipe wall. Caution must be exercised in using the correct Stiffener size that matches the pipe or tubing (wall thickness) being joined; example, SDR11. Insert Stiffener full depth within pipe to its flange stop.

CLEANING - Clean exterior surface of pipe of all foreign matter such as dirt and compounds to insure a good sealing surface for the fitting gasket. Inspect inside surface of gasket and clean if required as accumulations may result from storage conditions and handling.

PIPE INSERTION - Piping is to be inserted within the fitting to maximum depth:

- Couplings - midway
- Elbows - to stop
- Adapters - to stop
- Tees - to outlet



REGULAR STYLE - 700 SERIES



CLAMP STYLE - K700 SERIES

RECOMMENDED MAXIMUM PRESSURES (PSI)

Size Inches	Torque Ft-Lbs.	Free Anchored Piping		
		Piping Clamp Style	Regular Style	Clamp Style
1/2	150	150 psi	150 psi	200 psi
3/4	150	150	150	200
1	225	100	100	150
1 1/4	225	100	100	150
1 1/2	225	100	100	150
2	300	75	75	125

TORQUING REQUIREMENT -

To achieve maximum pipe pull-out resistance and sealing, End Nuts are to be wrench tightened per the following table. Use recommended wrench size and apply body pressure to approximate listed torque.

Nominal Pipe Size (in.)	Torque Ft-Lb		Recommended Wrench Size (in.)
	PE3406 (Black)	PE2306 (Orange)	
1/2 CTS	75	50	12
1 CTS	150	100	18
1/2 IPS	150	75	18
3/4 IPS	150	100	18
1 IPS	225	125	24
1 1/4 IPS	225	180	24
1 1/2 IPS	250	200	36
2 IPS	NOT RECOMMENDED		



36 Hudson Rd
Sudbury MA 01776



800-225-4616
www.tisales.com