

STAINLESS Hose

Series 300

300 Series Extruded (TPV) Hose

OmegaFlex® extruded corrugated braided hose consists of corrugated 300 series stainless steel hose with one layer of 304 stainless steel braid, with an outer jacket of Thermoplastic Vulcanizate (TPV). Several end fitting configurations can be used on the 300 Series extruded (TPV) hose. After fabricating a hose assembly using OmegaFlex' 300 series extruded (TPV) hose, a .070" thick Polyolefin heat shrink sleeve is used to partially cover the end fitting and any exposed braided hose.

300 Series Extruded (TPV) Hose Materials

Hose Material: 300 series stainless steel corrugated hose conforms to ASTM A240.

Braid Material: 304 stainless steel braid conforms to ASTM A580

Jacket Material: Non-Halogenated Thermoplastic Vulcanizate (TPV)

Heat Shrink Sleeve: Polyolefin heat shrinkable sleeve

300 Series Extruded (TPV) Hose Operating Temperatures

-76°F to 275°F

Series 300 — Extruded (TPV) Hose

300 Series Extruded Hose Size (in.)	Braided Hose ID (Nom)	Braided Hose OD (Nom)	TPV Jacket OD (Nom)	MAWP (PSIG) at 70°F	Minimum Static Bend Radius (in.)	Minimum Dynamic Bend Radius (in.)	Reel Quantities (ft.)
½	0.550	0.810	0.894	1100	4	6	250
¾	0.81	1.10	1.184	800	5	7	250
1	1.03	1.42	1.504	750	5.5	8	250
1½	1.53	1.95	2.07	565	5.5	13	250
2	2.05	2.58	2.70	500	6	14	200
3	3.10	4.01	4.13	288	8.5	17	200



Figure 1 - Extruded Hose Dimensions

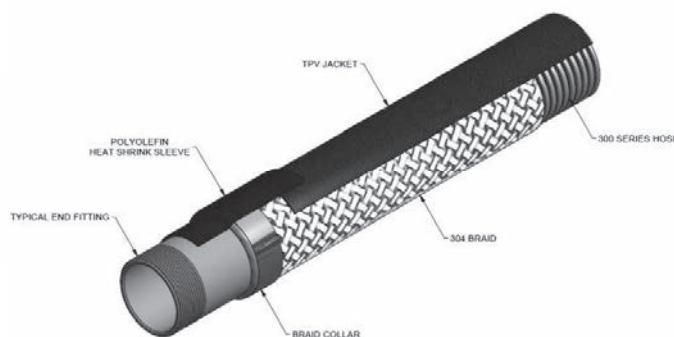


Figure 2 - Typical Hose Assembly with End Fitting