

Tubing and Hose

PVC Insert Fittings: Spears –

manufactured from high quality materials to meet or exceed requirements of ASTM D 2609, Standard Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic pipes.

- Can be used with clear vinyl tubing and stainless steel clamps.

- NSF Certified for use with potable water

Part # Size (in.) Tee (Insert x Insert x Insert)

HA1401005	1/2"
HA1401007	3/4"
HA1401010	1"
HA1401012	1.25"
HA1401015	1.5"
HA1401020	2"



Reducing Tee (Insert x Insert x Insert)

HA1401074	1/2" x 1/2" x 3/4"
HA1401094	3/4" x 1/2" x 1/2"
HA1401101	3/4" x 3/4" x 1/2"
HA1401102	3/4" x 3/4" x 1"
HA1401124	1" x 3/4" x 1/2"
HA1401125	1" x 3/4" x 3/4"
HA1401130	1" x 1" x 1/2"
HA1401131	1" x 1" x 3/4"
HA1401132	1" x 1" x 1.25"
HA1401156	1.25" x 1" x 1/2"
HA1401157	1.25" x 1" x 3/4"
HA1401158	1.25" x 1" x 1"
HA1401166	1.25" x 1.25" x 1/2"
HA1401167	1.25" x 1.25" x 3/4"
HA1401168	1.25" x 1.25" x 1"
HA1401201	1.5" x 1.25" x 3/4"
HA1401202	1.5" x 1.25" x 1"
HA1401203	1.5" x 1.25" x 1.25"
HA1401209	1.5" x 1.5" x 1/2"
HA1401210	1.5" x 1.5" x 3/4"
HA1401211	1.5" x 1.5" x 1"
HA1401212	1.5" x 1.5" x 1.25"
HA1401241	2" x 1.5" x 1.5"
HA1401247	2" x 2" x 1/2"
HA1401248	2" x 2" x 3/4"
HA1401249	2" x 2" x 1"
HA1401250	2" x 2" x 1.25"
HA1401251	2" x 2" x 1.5"



Tee (Insert x Insert x FT)

HA1402005	1/2"
HA1402007	3/4"
HA1402010	1"
HA1402012	1.25"
HA1402015	1.5"
HA1402020	2"



Reducing Tee (Insert x Insert x FT)

HA1402094	3/4" x 1/2" x 1/2"
HA1402101	3/4" x 3/4" x 1/2"
HA1402124	1" x 3/4" x 1/2"
HA1402125	1" x 3/4" x 3/4"
HA1402130	1" x 1" x 1/2"
HA1402131	1" x 1" x 3/4"
HA1402156	1.25" x 1" x 1/2"
HA1402157	1.25" x 1" x 3/4"
HA1402166	1.25" x 1.25" x 1/2"
HA1402167	1.25" x 1.25" x 3/4"



Part # Size (in.) Reducing Tee (Insert x Insert x FT) (cont.)

HA1402168	1.25" x 1.25" x 1"
HA1402199	1.5" x 1.25" x 1/2"
HA1402201	1.5" x 1.25" x 3/4"
HA1402202	1.5" x 1.25" x 1"
HA1402209	1.5" x 1.5" x 1/2"
HA1402210	1.5" x 1.5" x 3/4"
HA1402211	1.5" x 1.5" x 1/2"
HA1402212	1.5" x 1.5" x 1.25"
HA1402247	2" x 2" x 1/2"
HA1402248	2" x 2" x 3/4"
HA1402249	2" x 2" x 1"
HA1402251	2" x 2" x 1.5"

Tee (Insert x Insert x MT)

HA1403005	1/2"
HA1403007	3/4"
HA1403010	1"
HA1403012	1.25"
HA1403015	1.5"
HA1403020	2"



90-degree Elbow (Insert x Insert)

HA1406005	1/2"
HA1406007	3/4"
HA1406010	1"
HA1406012	1.25"
HA1406015	1.5"
HA1406020	2"
HA1406025	2.5"



90-degree Reducing Elbow (Insert x Ins.)

HA1406101	3/4" x 1/2"
HA1406131	1" x 3/4"
HA1406168	1.25" x 1"
HA1406212	1.5" x 1.25"
HA1406251	2" x 1.5"



90-degree Elbow (Insert x FT)

HA1407005	1/2"
HA1407007	3/4"
HA1407010	1"
HA1407012	1.25"
HA1407015	1.5"
HA1407020	2"



90-degree Reducing Elbow (Insert x FT)

HA1407101	3/4" x 1/2"
HA1407130	1" x 1/2"
HA1407131	1" x 3/4"
HA1407166	1.25" x 1/2"
HA1407167	1.25" x 3/4"
HA1407168	1.25" x 1"
HA1407211	1.5" x 1"
HA1407212	1.5" x 1.25"
HA1407251	2" x 1.5"



90-degree Elbow (Insert x MT)

HA1413005	1/2"
HA1413007	3/4"
HA1413010	1"
HA1413012	1.25"
HA1413015	1.5"
HA1413015H	1.5"
HA1413020	2"



Cross (Insert)

HA1420007	3/4"
HA1420010	1"

Part # Size (in.) Coupling (Insert)

HA1429005	1/2"
HA1429007	3/4"
HA1429010	1"
HA1429012	1.25"
HA1429015	1.5"
HA1429020	2"
HA1429025	2.5"
HA1429030	3"
HA1429040	4"



Reducer Coupling (Insert)

HA1429101	3/4" x 1/2"
HA1429130	1" x 1/2"
HA1429131	1" x 3/4"
HA1429167	1.25" x 3/4"
HA1429168	1.25" x 1"
HA1429210	1.5" x 3/4"
HA1429211	1.5" x 1"
HA1429212	1.5" x 1.25"
HA1429249	2" x 1"
HA1429250	2" x 1.25"
HA1429251	2" x 1.5"



Female Adapter (Insert x FT)

HA1435005	1/2"
HA1435007	3/4"
HA1435010	1"
HA1435012	1.25"
HA1435015	1.5"
HA1435020	2"



Male Adapter (Insert x MT)

HA1436005	1/2"
HA1436007	3/4"
HA1436010	1"
HA1436012	1.25"
HA1436015	1.5"
HA1436020	2"
HA1436025	2.5"
HA1436030	3"
HA1436040	4"



Reducing Male Adapter (Insert x MT)

HA1436074	1/2" x 3/4"
HA1436101	3/4" x 1/2"
HA1436102	3/4" x 1"
HA1436131	1" x 3/4"
HA1436132	1" x 1.25"
HA1436133	1" x 1.5"
HA1436167	1.25" x 3/4"
HA1436168	1.25" x 1"
HA1436169	1.25" x 1.5"
HA1436211	1.5" x 1"
HA1436212	1.5" x 1.25"
HA1436213	1.5" x 2"
HA1436251	2" x 1.5"



Hose Adapter (MHT x Insert)

HA1436007MHT	3/4"
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Reducing Hose Adapter (MHT x Insert)

HA1436101MHT	3/4" x 1/2"
HA1436102MHT	3/4" x 1"



Plug (MT)

HA1449005	1/2"
HA1449007	3/4"
HA1449010	1"
HA1449012	1.25"
HA1449015	1.5"
HA1449020	2"



Black Polyethylene Insert Fittings:

Parflex – For temperature range of –35 degrees F to 160 degrees F; available in nylon.

Part # Size (in.)

Tee Union (Insert)

HAP2TUB2	1/8"
HAP3TUB3	3/16"
HAP4TUB4	1/4"
HAP5TUB5	5/16"
HAP6TUB6	3/8"
HAP8TUB8	1/2"
HAP10TUB10	5/8"



Reducing Tee Union (Insert)

HAP6TUB4	3/8" x 3/8" x 1/4"
HAP6TUB8	3/8" x 3/8" x 1/2"
HAP8TUB6	1/2" x 1/2" x 3/8"



Male Branch Tee (Insert x Insert x MT)

HAP4MTB4	1/4" x 1/4" x 1/4"
HAP6MTB6	3/8" x 3/8" x 3/8"
HAP8MTB8	1/2" x 1/2" x 1/2"



Reducing Male Branch Tee

HAP3MTB2	3/16" x 3/16" x 3/16"
HAP3MTB4	3/16" x 3/16" x 1/4"
HAP4MTB2	1/4" x 1/4" x 1/8"
HAP4MTB6	1/4" x 1/4" x 3/8"
HAP6MTB4	3/8" x 3/8" x 1/4"
HAP6MTB8	3/8" x 3/8" x 1/2"
HAP8MTB4	1/2" x 1/2" x 1/4"
HAP8MTB6	1/2" x 1/2" x 3/8"



Union Connector (Insert)

HAP2UCB2	1/8"
HAP3UCB3	3/16"
HAP4UCB4	1/4"
HAP5UCB5	5/16"
HAP6UCB6	3/8"
HAP8UCB8	1/2"
HAP10UCB10	5/8"



Reducing Union Connector (Insert)

HAP4UCB3	1/4" x 3/16"
HAP6UCB4	3/8" x 1/4"
HAU8UCB4	1/2" x 1/4"
HAP8UCB6	1/2" x 3/8"
HAP10UCB6	5/8" x 3/8"
HAP10UCB8	5/8" x 1/2"



Hex Pipe Nipple (MT)

HAP2HPN2	1/8"
HAP4HPN4	1/4"
HAP6HPN6	3/8"
HAP8HPN8	1/2"
HAP12HPN12	3/4"



Reducing Hex Pipe Nipple (MT x MT)

HAP4HPN2	1/4" x 1/8"
HAP6HPN2	3/8" x 1/8"
HAP8HPN4	3/8" x 1/4"
HAP8HPN2	1/2" x 1/8"
HAP8HPN4	1/2" x 1/4"
HAP8HPN6	1/2" x 3/8"
HAP12HPN6	3/4" x 3/8"
HAP12HPN8	3/4" x 1/2"



Male Connector (Insert x MT)

HAP4MCB4	1/4"
HAP6MCB6	3/8"
HAP8MCB8	1/2"
HAP12MCB12	3/4"



Part

Size (in.)

Reducing Male Connector (Insert x MT)

HAP3MCB2	3/16" x 1/8"
HAP4MCB2	1/4" x 1/8"
HAP4MCB6	1/4" x 3/8"
HAP4MCB8	1/4" x 1/8"
HAP4MCB12	1/4" x 3/4"
HAP5MCB2	5/16" x 1/8"
HAP5MCB4	5/16" x 1/4"
HAP5MCB6	5/16" x 3/8"
HAP6MCB2	3/8" x 1/8"
HAP6MCB4	3/8" x 1/4"
HAP6MCB8	3/8" x 1/2"
HAP6MCB12	3/8" x 3/4"
HAP8MCB4	1/2" x 1/4"
HAP8MCB6	1/2" x 3/8"
HAP8MCB12	1/2" x 3/4"
HAP10MCB6	5/8" x 3/8"
HAP10MCB8	5/8" x 1/2"
HAP10MCB12	5/8" x 3/4"
HAP12MCB8	3/4" x 1/2"



Male Elbow (Insert x MT)

HAP4MEB4	1/4"
HAP6MEB6	3/8"
HAP8MEB8	1/2"



Reducing Male Elbow (Insert) x MT

HAP3MEB2	3/16" x 1/8"
HAP3MEB4	3/16" x 1/4"
HAP4MEB2	1/4" x 1/8"
HAP4MEB6	1/4" x 3/8"
HAP4MEB8	1/4" x 1/2"
HAP4MEB12	1/4" x 3/4"
HAP6MEB2	3/8" x 1/8"
HAP6MEB4	3/8" x 1/4"
HAP6MEB8	3/8" x 1/2"
HAP6MEB12	3/8" x 3/4"
HAP8MEB4	1/2" x 1/4"
HAP8MEB6	1/2" x 3/8"
HAP8MEB12	1/2" x 3/4"
HAP10MEB6	5/8" x 3/8"
HAP10MEB8	5/8" x 1/2"
HAP10MEB12	5/8" x 3/4"
HAP12MEB8	3/4" x 1/2"



Elbow Union (Insert x Insert)

HAP4EUB4	1/4"
HAP6EUB6	3/8"
HAP8EUB4	1/2" x 1/4"
HAP8EUB6	1/2" x 3/8"
HAP8EUB8	1/2"
HAP10EUB10	5/8"



Hex Head (Pipe Plug MT)

HAP2HPL	1/8"
HAP4HPL	1/4"
HAP6HPL	3/8"
HAP8HPL	1/2"
HAP12HPL	3/4"



Tubing and Hose

Black Polypropylene Fittings: Parflex Fast & Tite

- Install without tools to provide tight, leakproof seal without clamps or adjustments.
- Unique stainless steel grab ring for tube retention, coupled with a Buna-N O-ring for positive seal with hand-tight assembly.

- Vibration or tube movement will not break the seal.

- Preassembled in either polypropylene or nylon.

- Can be disassembled by hand for fast system drainage.

- Fittings are reusable; parts are easily replaced; O-rings are standard size.

- Use with clear vinyl tubing or other plastic, glass or metal tubing for vacuum lines or low pressure lines.

- Meets FDA requirements for use in transmitting fluids for human consumption.

- Available in white polypropylene or nylon.

Working Pressure

Tubing

O.D.	Up to 75 F	76-125 F	126-175 F
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1/4	300	300	300
5/16	300	300	300
3/8	250	250	150
1/2	200	251	150
5/8	150	252	50

Part

OD Size (") NPT Size (")

Male Connector (Tube x MT)

HAP4MC2	1/4"	1/8"
HAP4MC4	1/4"	1/4"
HAP5MC2	5/16"	1/8"
HAP5MC4	5/16"	1/4"
HAP6MC2	3/8"	1/8"
HAP6MC4	3/8"	1/4"
HAP6MC6	3/8"	3/8"
HAP6MC8	3/8"	1/2"
HAP6MC12	3/8"	3/4"
HAP8MC2	1/2"	1/8"
HAP8MC4	1/2"	1/4"
HAP8MC6	1/2"	3/8"
HAP8MC8	1/2"	1/2"
HAP8MC12	1/2"	3/4"
HAP10MC2	5/8"	1/8"
HAP10MC4	5/8"	1/4"
HAP10MC6	5/8"	3/8"
HAP10MC8	5/8"	1/2"
HAP10MC12	5/8"	3/4"



Female Connector (Tube x FT)

HAP4FC2	1/4"	1/8"
HAP4FC4	1/4"	1/4"
HAP6FC4	3/8"	1/4"
HAP6FC6	3/8"	3/8"
HAP6FC8	3/8"	1/2"
HAP8FC6	1/2"	3/8"
HAP8FC8	1/2"	1/2"
HAP10FC8	5/8"	1/2"



Male Branch Tee (Tube x MT)

HAP4MT2	1/4"	1/8"
HAP4MT4	1/4"	1/4"
HAP5MT2	5/16"	1/8"
HAP5MT4	5/16"	1/4"
HAP6MT4	3/8"	1/4"
HAP6MT6	3/8"	3/8"
HAP8MT6	1/2"	3/8"
HAP8MT8	1/2"	1/2"
HAP10MT8	5/8"	1/2"



Part #	OD Size (")	NPT Size (")
Male Run Tee (Tube x MT)		
HAP4MR2	1/4"	1/8"
HAP6MR4	3/8"	1/4"
HAP8MR6	1/2"	3/8"
HAP10MR8	5/8"	1/2"



Part #	OD Size (")	NPT Size (")
Male Elbow (Tube x MT)		
HAP4ME2	1/4"	1/8"
HAP4ME4	1/4"	1/4"
HAP4ME6	1/4"	3/8"
HAP5ME2	5/16"	1/8"
HAP5ME4	5/16"	1/4"
HAP5ME6	5/16"	3/8"
HAP6ME4	3/8"	1/4"
HAP6ME6	3/8"	3/8"
HAP6ME8	3/8"	1/2"
HAP6ME12	3/8"	3/4"
HAP8ME6	1/2"	3/8"
HAP8ME8	1/2"	1/2"
HAP10ME8	5/8"	1/2"



Part #	OD Size (")	NPT Size (")
Female Elbow (Tube x FT)		
HAP4FE2	1/4"	1/8"
HAP4FE4	1/4"	1/4"
HAP5FE2	5/16"	1/8"
HAP6FE4	3/8"	1/4"
HAP6FE4	3/8"	1/4"
HAP6FE6	3/8"	3/8"
HAP8FE6	1/2"	3/8"
HAP8FE8	1/2"	1/2"
HAP10FE8	5/8"	1/2"



Part #	OD Size (")
Tee Union (Tube)	
HAP4TU4	1/4" x 1/4"
HAP5TU5	5/16" x 5/16"
HAP6TU6	3/8" x 3/8"
HAP8TU6	1/2" x 3/8"
HAP8TU8	1/2" x 1/2"
HAP10TU6	5/8" x 3/8"
HAP10TU10	5/8" x 5/8"



Part #	OD Size (")
Union Connector (Tube)	
HAP4UC4	1/4" x 1/4"
HAP5UC5	5/16" x 5/16"
HAP6UC6	3/8" x 3/8"
HAP8UC8	1/2" x 1/2"
HAP10UC10	5/8" x 5/8"
HAP5UC4	5/16" x 1/4"
HAP6UC4	3/8" x 1/4"
HAP6UC5	3/8" x 5/16"
HAP8UC6	1/2" x 3/8"
HAP10UC6	5/8" x 3/8"
HAP10UC8	5/8" x 1/2"



Part #	OD Size (")
Elbow Union (Tube)	
HAP4EU4	1/4" x 1/4"
HAP5EU5	5/16" x 5/16"
HAP6EU6	3/8" x 3/8"
HAP8EU8	1/2" x 1/2"
HAP10EU10	5/8" x 5/8"
HAP5EU4	5/16" x 1/4"
HAP6EU4	3/8" x 1/4"
HAP6EU5	3/8" x 5/16"
HAP8EU6	1/2" x 3/8"



Part #	OD Size (")
Grab Ring	
HA4GR	1/4"
HA5GR	5/16"
HA6GR	3/8"
HA8GR	1/2"
HA10GR	5/8"



Part #	OD Size (")
O-ring	
HA4OR	1/4"
HA5OR	5/16"
HA6OR	3/8"
HA8OR	1/2"
HA10OR	5/8"



Part #	OD Size (")
Nut and Spacer Set	
HAP4NS	1/4"
HAP5NS	5/16"
HAP6NS	3/8"
HAP8NS	1/2"
HAP10NS	5/8"



Part #	OD Size (")
Tube Support	
HAP4TS3	1/4" x 3/16"
HAP5TS3	5/16" x 3/16"
HAP6TS4	3/8" x 1/4"
HAP8TS6	1/2" x 3/8"
HAP10TS8	5/8" x 1/2"



Vibra-Pruf Tube Fittings: Jaco –

- Good electrical insulating qualities eliminate electrolytic action that corrodes tubing when dissimilar metal meets a fitting.
- Absorbs mechanical and acoustical vibrations.
- Molded sleeve as an integral part of the nut eliminates two-piece assembly.
- Available in size ranges from 1/8" through 7/8" tube OD
- Fittings made of nylon, acetal copolymer, polypropylene or PVDF.
- Resistant to scale build-up.
- Inherently low resistance to flow.

Part numbers shown below indicate a standard 50 psi ferrule nut. Replace the "O" in the part number with "PG" for plastic gripper for plastic tubing, 220 psi, or "SG" for stainless steel gripper for hard surfaced tubing, 220 psi.

Part #	Tube OD (")	Material
Union Connector		
HA154PO	1/4"	Polypropylene
HA155PO	5/16"	Polypropylene
HA156PO	3/8"	Polypropylene
HA158PO	1/2"	Polypropylene
HA154KO	1/4"	PVDF
HA155KO	5/16"	PVDF
HA156KO	3/8"	PVDF
HA158KO	1/2"	PVDF



Part #	Tube OD (")	Material
Reducing Union Connector		
HA1542PO	1/4" x 1/8"	Polypropylene
HA1554PO	5/16" x 1/4"	Polypropylene
HA1564PO	3/8" x 1/4"	Polypropylene
HA1586PO	1/2" x 3/8"	Polypropylene
HA1542KO	1/4" x 1/8"	PVDF
HA1554KO	5/16" x 1/4"	PVDF
HA1564KO	3/8" x 1/4"	PVDF
HA1586KO	1/2" x 3/8"	PVDF

Part #	Tube OD (")	Material
Bulkhead Union		
HA204PO	1/4"	Polypropylene
HA205PO	5/16"	Polypropylene
HA206PO	3/8"	Polypropylene
HA208PO	1/2"	Polypropylene
HA204KO	1/4"	PVDF
HA205KO	5/16"	PVDF
HA206KO	3/8"	PVDF
HA208KO	1/2"	PVDF



Bulkhead Union

Part #	Tube OD (")	Material
Union Elbow		
HA504PO	1/4"	Polypropylene
HA505PO	5/16"	Polypropylene
HA506PO	3/8"	Polypropylene
HA508PO	1/2"	Polypropylene
HA504KO	1/4"	PVDF
HA505KO	5/16"	PVDF
HA506KO	3/8"	PVDF
HA508KO	1/2"	PVDF



Jaco Union Elbow

Part #	Tube OD (")	Material
Union Tee		
HA702PO	1/8"	Polypropylene
HA704PO	1/4"	Polypropylene
HA705PO	5/16"	Polypropylene
HA706PO	3/8"	Polypropylene
HA708PO	1/2"	Polypropylene
HA702KO	1/8"	PVDF
HA704KO	1/4"	PVDF
HA705KO	5/16"	PVDF
HA706KO	3/8"	PVDF
HA708KO	1/2"	PVDF



Jaco Union Tee

Part #	Tube OD (")	NPT	Material
Male Connector			
HA1022PO	1/8"	1/8"	Polyprop.
HA1042PO	1/4"	1/8"	Polyprop.
HA1044PO	1/4"	1/4"	Polyprop.
HA1046PO	1/4"	3/8"	Polyprop.
HA1052PO	5/16"	1/8"	Polyprop.
HA1054PO	5/16"	1/4"	Polyprop.
HA1062PO	3/8"	1/8"	Polyprop.
HA1064PO	3/8"	1/4"	Polyprop.
HA1066PO	3/8"	3/8"	Polyprop.
HA1068PO	3/8"	1/2"	Polyprop.
HA1082PO	1/2"	1/8"	Polyprop.
HA1084PO	1/2"	1/4"	Polyprop.
HA1086PO	1/2"	3/8"	Polyprop.
HA1088PO	1/2"	1/2"	Polyprop.
HA1022KO	1/8"	1/8"	PVDF
HA1042KO	1/4"	1/8"	PVDF
HA1044KO	1/4"	1/4"	PVDF
HA1046KO	1/4"	3/8"	PVDF

Part # Tube OD NPT Material

Male Connector - cont.

HA1052KO	5/16"	1/8"	PVDF
HA1054KO	5/16"	1/4"	PVDF
HA1062KO	3/8"	1/8"	PVDF
HA1064KO	3/8"	1/4"	PVDF
HA1066KO	3/8"	3/8"	PVDF
HA1068KO	3/8"	1/2"	PVDF
HA1082KO	1/2"	1/8"	PVDF
HA1084KO	1/2"	1/4"	PVDF
HA1086KO	1/2"	3/8"	PVDF
HA1088KO	1/2"	1/2"	PVDF

Female Connector

HA2542PO	1/4"	1/8"	Polyprop.
HA2544PO	1/4"	1/4"	Polyprop.
HA2554PO	5/16"	1/4"	Polyprop.
HA2564PO	3/8"	1/4"	Polyprop.
HA2566PO	3/8"	3/8"	Polyprop.
HA2568PO	3/8"	1/2"	Polyprop.
HA2586PO	1/2"	3/8"	Polyprop.
HA2588PO	1/2"	1/2"	Polyprop.
HA2542KO	1/4"	1/8"	PVDF
HA2544KO	1/4"	1/4"	PVDF
HA2554KO	5/16"	1/4"	PVDF
HA2564KO	3/8"	1/4"	PVDF
HA2566KO	3/8"	3/8"	PVDF
HA2568KO	3/8"	1/2"	PVDF
HA2586KO	1/2"	3/8"	PVDF
HA2588KO	1/2"	1/2"	PVDF

Male Elbow

HA4022PO	1/8"	1/8"	Polyprop.
HA4042PO	1/4"	1/8"	Polyprop.
HA4044PO	1/4"	1/4"	Polyprop.
HA4046PO	1/4"	3/8"	Polyprop.
HA4052PO	5/16"	1/8"	Polyprop.
HA4054PO	5/16"	1/4"	Polyprop.
HA4064PO	3/8"	1/4"	Polyprop.
HA4066PO	3/8"	3/8"	Polyprop.
HA4068PO	1/2"	1/4"	Polyprop.
HA4086PO	1/2"	3/8"	Polyprop.
HA4088PO	1/2"	1/2"	Polyprop.
HA4022KO	1/8"	1/8"	PVDF
HA4042KO	1/4"	1/8"	PVDF
HA4044KO	1/4"	1/4"	PVDF
HA4046KO	1/4"	3/8"	PVDF
HA4052KO	5/16"	1/8"	PVDF
HA4054KO	5/16"	1/4"	PVDF
HA4064KO	3/8"	1/4"	PVDF
HA4066KO	3/8"	3/8"	PVDF
HA4068KO	1/2"	1/4"	PVDF
HA4086KO	1/2"	3/8"	PVDF
HA4088KO	1/2"	1/2"	PVDF

Female Elbow

HA4524PO	1/8"	1/4"	Polyprop.
HA4542PO	1/4"	1/8"	Polyprop.
HA4544PO	1/4"	1/4"	Polyprop.
HA4554PO	5/16"	1/4"	Polyprop.
HA4564PO	3/8"	1/4"	Polyprop.
HA4566PO	3/8"	3/8"	Polyprop.
HA4586PO	1/2"	3/8"	Polyprop.
HA4588PO	1/2"	1/2"	Polyprop.

Part # Tube OD NPT Material

Female Elbow - cont.

HA4524KO	1/8"	1/4"	PVDF
HA4542KO	1/4"	1/8"	PVDF
HA4544KO	1/4"	1/4"	PVDF
HA4554KO	5/16"	1/4"	PVDF
HA4564KO	3/8"	1/4"	PVDF
HA4566KO	3/8"	3/8"	PVDF
HA4586KO	1/2"	3/8"	PVDF
HA4588KO	1/2"	1/2"	PVDF

Male Branch Tee

HA6042PO	1/4"	1/8"	Polyprop.
HA6044PO	1/4"	1/4"	Polyprop.
HA6054PO	5/16"	1/4"	Polyprop.
HA6064PO	3/8"	1/4"	Polyprop.
HA6066PO	3/8"	3/8"	Polyprop.
HA6086PO	1/2"	3/8"	Polyprop.
HA6088PO	1/2"	1/2"	Polyprop.
HA6042KO	1/4"	1/8"	PVDF
HA6044KO	1/4"	1/4"	PVDF
HA6054KO	5/16"	1/4"	PVDF
HA6064KO	3/8"	1/4"	PVDF
HA6066KO	3/8"	3/8"	PVDF
HA6086KO	1/2"	3/8"	PVDF
HA6088KO	1/2"	1/2"	PVDF

Male Run Tee

HA7542PO	1/4"	1/8"	Polyprop.
HA7544PO	1/4"	1/4"	Polyprop.
HA7554PO	5/16"	1/4"	Polyprop.
HA7564PO	3/8"	1/4"	Polyprop.
HA7566PO	3/8"	3/8"	Polyprop.
HA7586PO	1/2"	3/8"	Polyprop.
HA7588PO	1/2"	1/2"	Polyprop.
HA7542KO	1/4"	1/8"	PVDF
HA7544KO	1/4"	1/4"	PVDF
HA7554KO	5/16"	1/4"	PVDF
HA7564KO	3/8"	1/4"	PVDF
HA7566KO	3/8"	3/8"	PVDF
HA7586KO	1/2"	3/8"	PVDF
HA7588KO	1/2"	1/2"	PVDF



Excelon Polyethylene Tubing



Jaco Fitting

Thermoplastic Processes –**Excelon Polyethylene Tubing**

- 100 % virgin, low-density polyethylene resin
- Chemically inert, non-contaminating translucent tubing meets FDA standards for laboratory, hospital, food and beverage applications
- Resistance to corrosion and environmental chemicals make Excelon polyethylene tubing well suited for use with pneumatic controls, instrumentation, and hydraulic applications
- Seven hues, plus a neutral translucent grade, for color coding
- Multiple tubing and custom formulations available



Part Number	ID	Size (in.) OD	Wall	Color	Std. Pkg. Ft.	Working psi @ 73 F
HA510150	.170	¼	.040	natural	500	135
HA5101501	.170	¼	.040	black	500	135
HA5101502	.170	¼	.040	blue	500	135
HA5101504	.170	¼	.040	green	500	135
HA5101505	.170	¼	.040	orange	500	135
HA5101507	.170	¼	.040	red	500	135
HA5101508	.170	¼	.040	white	500	135
HA5101509	.170	¼	.040	yellow	500	135
HA510210	1/8	¼	1/16	natural	100	180
HA510250	1/8	¼	1/16	natural	500	180
HA5102501	1/8	¼	1/16	black	500	180
HA510310	3/16	5/16	1/16	natural	100	140
HA510350	3/16	5/16	1/16	natural	500	140
HA5103501	3/16	5/16	1/16	black	500	140
HA510610	¼	3/8	1/16	natural	100	120
HA510650	¼	3/8	1/16	natural	500	120
HA5106501	¼	3/8	1/16	black	500	120
HA5106502	¼	3/8	1/16	blue	500	120
HA5106504	¼	3/8	1/16	green	500	120
HA5106505	¼	3/8	1/16	orange	500	120
HA5106507	¼	3/8	1/16	red	500	120
HA5106508	¼	3/8	1/16	white	500	120
HA5106509	¼	3/8	1/16	yellow	500	120
HA5106710	5/16	7/16	1/16	natural	100	68
HA510910	5/16	7/16	1/16	natural	100	103
HA510950	5/16	7/16	1/16	natural	500	103
HA511210	3/8	½	1/16	natural	100	90
HA511250	3/8	½	1/16	natural	500	90
HA5112501	3/8	½	1/16	black	500	90
HA5112505	3/8	½	1/16	orange	500	90
HA5112508	3/8	½	1/16	white	500	90
HA5112509	3/8	½	1/16	yellow	500	90
HA511810	½	5/8	1/16	natural	100	70
HA5118101	½	5/8	1/16	black	100	70
HA5124101	5/8	¾	1/16	natural	100	60
HA5124102	5/8	¾	1/16	black	100	60
HA512510	5/8	13/16	3/32	natural	100	82
HA5126101	5/8	7/8	1/8	natural	100	100
HA513110	¾	1	1/8	natural	100	90
HA5131101	7/8	1	1/16	natural	100	45
HA513510	1	1 ¼	1/8	natural	100	72
HA5138050	1 ¼	1 ½	1/8	natural	50	59
HA5139052	1 ½	1 ¾	1/8	natural	50	50
HA5142051	2	2 ¼	1/8	natural	50	39