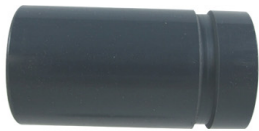




### PVC, CPVC & PE Nipples

PVC/CPVC/PE Nipples furnished may be produced from extruded stock, or from molding grade PVC/CPVC compounds. Both processes provide quality products meeting ASTM requirements. Spears® thermoplastic nipples are produced in a variety of styles, several of which are illustrated below. These are referred to as Plain (no threads), TOE (Threaded One End), TBE (Threaded Both Ends), Grooved (which can be Plain x Groove, Groove x Thread, & Groove x Groove). Special varieties of Polyethylene Nipples include Cut-off, Four-In-One Cut-off and Four-In-One Cut-off Reducing.



Plain x Groove



TOE (Threaded One End)



PE Riser Extension Cut-Off Nipple



Groove x Thread



Plain



PE Cut-Off Nipple



Groove x Groove



TBE (Threaded Both Ends)



PE Four-In-One Cut-Off Nipple

Close Nipples are simply two (2) threads back to back. Short Nipples is a term commonly used to designate a slightly longer nipple that is usually the smallest length above "close." The following table shows length of Close and Short nipples:

#### Length of Close & Short Nipples

Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"	12"
<b>Close</b>	3/4	7/8	1	1-1/8	1-3/8	1-1/2	1-5/8	1-3/4	2	2-1/2	2-5/8	2-7/8	3-3/4	3-5/8	4	4-3/8
<b>Short</b>	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	2	2	2	2-1/2	3	3	3-1/2	4-1/2	4-1/2	4-1/2	5