

Low Extractable Technical
Low Extractable Technical Information



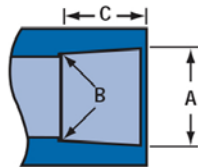
System Components

Spears® fitting and valve components are manufactured from the same low-extractable material. This provides entire system consistency and compatibility, while ensuring that extractable contamination is kept to a minimum. Leading-edge stress analysis technology is applied in the design of fitting and valve components to optimize strength and performance in critical applications.

Fittings

High-quality Spears® low-extractable components are designed to yield optimum performance for each fitting. Material reinforcement is uniformly placed in stress-concentration areas for substantially improved pressure-handling capability. Specialty transition fittings incorporate a stainless steel retaining ring that provides a strong, leak-tight seal for plastic-to-metal transitions while reducing problems associated with overtightening. The reinforced design reduces radial stress encountered with typical threaded connections, thereby eliminating the need for system pressure de-rating traditionally associated with non-reinforced plastic threaded joints..

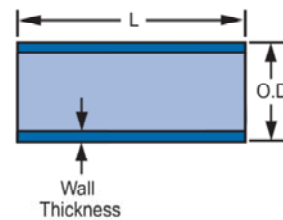
**STANDARD SCHEDULE 80 SOCKET
 DIMENSIONS ASTM D 2467**



Size (in.)	Entrance A	Bottom B	Minimum Socket Length C	Tolerance (In.)
1/2	.848	.836	.875	± .004
3/4	1.058	1.046	1.000	± .004
1	1.325	1.310	1.125	± .005
1-1/4	1.670	1.655	1.250	± .005
1-1/2	1.912	1.894	1.375	± .006
2	2.387	2.369	1.500	± .006
3	3.516	3.492	1.875	± .008
4	4.518	4.491	2.250	± .009
6	6.647	6.614	3.000	± .011

**Pipe - Low Extractable PVC
 Schedule 80 Plain End**

15' Lengths



Part Number	Size	L	AVG.O.D.	Minimum Wall	Approx. Wt. (Lbs./Ft)
LXT-005	1/2	15	.840	.147	.22
LXT-007	3/4	15	1.050	.154	.30
LXT-010	1	15	1.315	.179	.44
LXT-012	1-1/4	15	1.660	.191	.61
LXT-015	1-1/2	15	1.900	.200	.73
LXT-020	2	15	2.375	.218	1.01
LXT-030	3	15	3.500	.300	2.05
LXT-040	4	15	4.500	.337	2.96
LXT-060	6	15	6.625	.432	5.66

All Spears® low-extractable fittings are produced in strict dimensional compliance with ASTM D 2467 to Schedule 80 dimensions. Spears® components produced to these dimensions ensure that strong, leak-tight connections with exceptional pressure-bearing capability can be assembled quickly using inexpensive joining tools. Refer to charts below for dimensional and weight data of available fittings.

Note: The information contained in this publication is based on current data and product design at time of publication and may be subject to change. Additional components and configurations may be added periodically due to our continued commitment to product-line improvements.

