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# Specification Sheet

- Double Jacket 800 Pound Test
- Rubber Lined
- 1", 1 1/2", 1 3/4", 2" 2 1/2", 3"

## ► Scope

**Quality:** The fire hose assembly supplied under this specification shall be constructed with superior quality materials. NFPA 1961 standards shall be observed in production of the assembly, in order to ensure its quality and durability. **Service Life:** Hose furnished under these specifications will have a potential service life **warranty of not less than ten years;** barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in workmanship and materials. Any defective hose will be replaced at no charge whatsoever.

## ► Jacket Construction

The jackets will be woven evenly and be free of defects, including knots, lumps, or unsightly disfigurements that could jeopardize the integrity of the hose assembly. The warp yarn shall consist of staple polyester yarn. The use of filament or entangled yarn is expressly forbidden due to the lack of inherent abrasion resistance. The filler yarns shall be constructed of high strength, low elongation, filament polyester to reduce weight and increase flexibility.

## ► Abrasion Impregnation

Hose assemblies are available with polymer impregnation that provide additional abrasion resistance. Colors include: yellow, orange, red, tan, black, blue and green. Color shall be pure and even in each hose. Impregnated hose shall meet the requirements of Mil-H-24606B for abrasion resistance.

## ► Lining

The rubber lining shall be a single-ply extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish. No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. **Backing:** The backing shall be of adequate thickness to create a smooth waterway but not greater than .020. The fire hose constructed under this specification shall be manufactured fully backed using a calendared EPDM. The use of adhesives of any kind are unacceptable and expressly forbidden. **Tensile Strength & Ultimate Elongation:** Shall meet the standards of Underwriters Laboratories, Inc.™ as well as all other properties of UL-19 for rubber lined hoses. A valid U.S. underwriters inspection procedure shall be in force.

## ► Hydrostatic Testing

**Stock Lengths:** Standard lengths are 50, 75 and 100 feet.

Size	1"	1 1/2"	1 3/4"	2"	2 1/2"	3"
Part Number	DP10-800	DP15-800	DP17-800	DP20-800	DP25-800	DP30-800
Test Pressure	800psi	800psi	800psi	800psi	800psi	800psi
Elongation	5%	6%	6%	6%	6%	8%
Twist per foot	15° right	15° right	15° right	10° right	10° right	8° right
Warp	10"	10"	10"	10"	10"	10"
Rise	0	0	0	0	0	0
Burst Test	1350psi	1300psi	1300psi	1250psi	1250psi	1200psi
Kink Test	750psi	750psi	750psi	750psi	750psi	750psi

## ► Finished Hose

**Markings:** Beginning at a point not less than four feet from the end, each fifty foot section shall be stencilled in indelible ink with letters at least one inch high stating the name of the manufacturer, month and year of manufacture, and service test to 400 PSI. The ink used will be of a contrasting color. **Methods Testing:** All measurements and tests necessary to determine compliance of the fire hose specified requirements shall be made with ASTM, UL and NFPA 1961 designation, unless otherwise prescribed.

## ► Weights & Measures

Size	1"	1 1/2"	1 3/4"	2"	2 1/2"	3"
Part Number	DP10-800	DP15-800	DP17-800	DP20-800	DP25-800	DP30-800
Bowl Size	1 3/8"	1 15/16"	2 1/8"	2 1/2"	3"	3 9/16"
Weight per 50' length Uncoupled	12 lbs.	17 lbs.	19 lbs.	25 lbs.	28 lbs.	38 lbs.
Weight per 50' length Coupled	13 lbs.	18 lbs.	20 lbs.	27 lbs.	30 lbs.	41 lbs.

\*Available with a UL label add-on

## ► Couplings

As required by purchaser, expansion ring threaded, STORZ clamp ring, etc. Key reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced on special request. For more information, please contact your Key Fire Hose Corporation authorized distributor.