

New, High Pressure TOUGHJACKET™ Hose

Built in abrasion resistance eliminates the need for an additional PVC sleeve and lightens the hose by up to 16%.



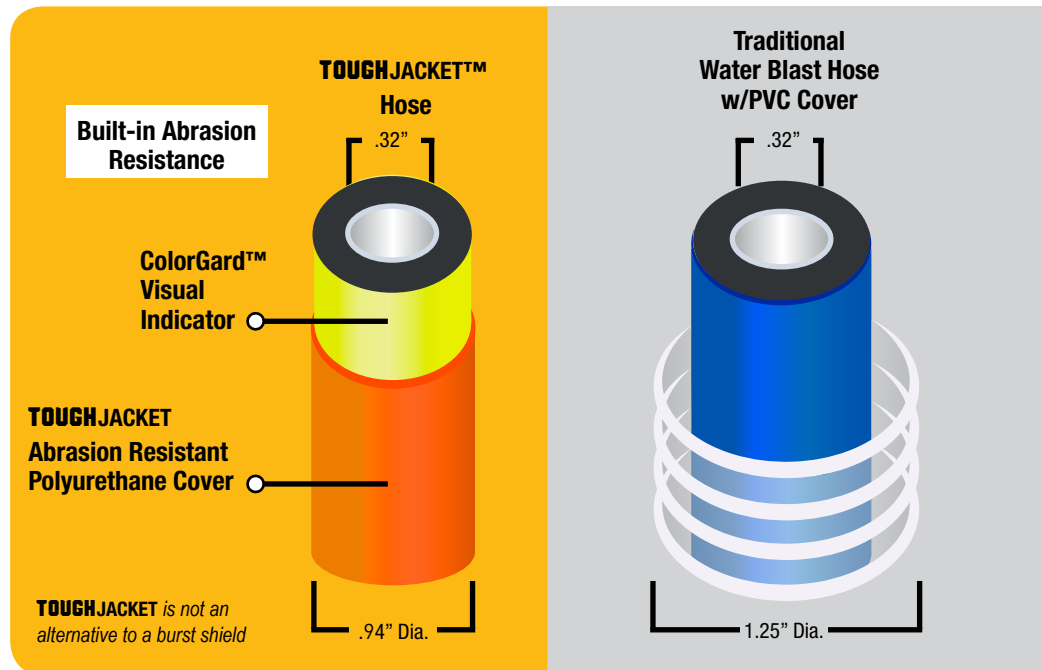
No more bulky PVC sleeves!
Parker provides built-in abrasion protection.

Introducing Parker High Pressure TOUGHJACKET™ hoses, with a robust, yet flexible, polyurethane cover that is extruded directly onto the hose during production. These hoses are not only sleeker than hoses with a PVC cover, they are more durable because the cover is engineered with a proprietary blend of polyurethane that acts as an abrasion resistant shield. They offer up to 650x more abrasion resistance than a standard rubber hose.

Safety is important at Parker. Our engineers have designed a hose that you can visually inspect for wear without an obstructive PVC layer between you and the hose and according to most environmental experts, PVC is the single most environmentally damaging type of plastic. Also, an additional PVC cover adds weight and drag, making it more difficult for operators to maneuver the hoses. Parker's high pressure TOUGHJACKET hoses remove weight. Each hose is up to 16% lighter than a comparable PVC covered hose assembly.

Parker also incorporates ColorGard™ technology into each hose, featuring a contrasting inner hose jacket color to the secondary WJTA compliant outer jacket color. This acts as an early warning indicator of hose abrasive wear. If the outer cover is damaged or worn to the point where you see a different underlying color, it's time to correct the abrasion issue or potentially remove the assembly from service.

TOUGHJACKET hose is Parker's best alternative to traditional water blast hoses. This light weight, PVC free hose, coupled with a compact O.D. (up to 25% smaller than a PVC covered hose), creates an ergonomic advantage for operators by reducing friction drag and allowing operators to work with less fatigue.



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Product Features:

- TOUGHJACKET abrasion resistant cover eliminates the obstructive PVC cover
- Features ColorGard™ technology to provide early warning of hose wear
- Compact O.D. reduces friction drag
- Lighter weight assemblies (up to 16%)
 - reduces friction and drag
 - reduces operator fatigue
 - reduces freight costs

ENGINEERING YOUR SUCCESS.

TOUGHJACKET™ High Pressure Hose



Features

- Eliminates the need for PVC cover
- Smaller O.D. compared to similar hose with PVC cover
- ColorGard™ allows for quick recognition of abrasion issues
- **TOUGHJACKET** Polyurethane cover for best abrasion resistance

Certifications

- Tested to DIN EN 1829-2 except 2840D-03

Applications/Markets



- Waterjet cutting
- Hydrodemolition
- Surface preparation
- Ship/Industrial cleaning



Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Cover Color		Permanent Fitting Series	
	DN	inch	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	Inside	Outside		
#														
Reinforcement: 4 layers														
2440N-08V30/12	12	1/2	13	1.128	28.6	20,300	140	7.9	200	0.813	1.21	black	blue	LX
Reinforcement: 6 layers														
2740D-03V34/15	5	3/16	4.8	0.681	17.3	40,600	280	7.87	200	0.390	0.58	red	orange	2X
2740D-05V34/17	8	5/16	7.8	0.839	21.3	36,250	250	7.87	200	0.632	0.94	red	silver	2X
2748D-05V34/15	8	5/16	7.8	0.839	21.3	40,600	280	9.06	230	0.632	0.94	red	orange	2X
Reinforcement: 8 layers														
2840D-03V36/14	5	3/16	4.8	0.752	19.1	58,000	400	7.87	200	0.504	0.75	yellow	red	2X
2840D-05V36/15	8	5/16	7.8	0.929	23.6	43,500	300	9.84	250	0.820	1.22	yellow	orange	2X
2849D-05V36/14	8	5/16	7.8	0.929	23.6	55,100	380	11.0	280	0.820	1.22	yellow	red	WX

Construction

Tube: Polyoxymethylene; PN 2440N-08V30/12 - Polyamide

Reinforcement: Four, six or eight spiral layers of high strength steel wire

Cover: **TOUGHJACKET**™ Polyurethane

Operating Parameters

Temperature Range:

+14°F to +158°F (-10°C to +70°C)

Hose design factors noted below

2.5/1	2.33/1	2.1/1
2740D-03V34/15 2740D-05V34/17 2748D-05V34/15 2440N-08V30/12	2840D-05V36/15	2840D-03V36/14 2849D-05V36/14

Fittings

2X Series LX Series WX Series

Available fitting connections offered:

Type "M" Female Swivel
High Pressure Tube Nipple
Medium Pressure Tube Nipples
Metric Female Swivel

Colors

● Orange ● Red
● Blue ● Silver

Notes

TOUGHJACKET is not an alternative to a burst shield
WJTA compliant outer jacket color