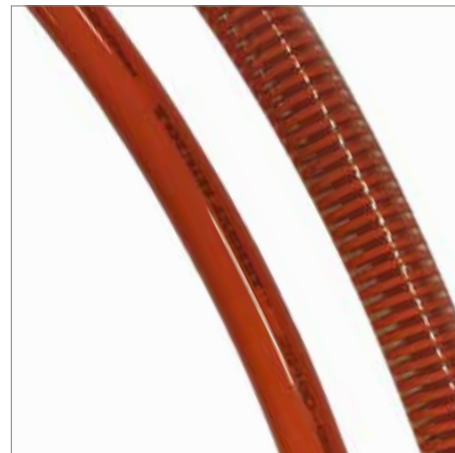


# High Pressure TOUGHJACKET™ Hose

Integrated abrasion resistance eliminates the need for an additional PVC sleeve. Hose assembly weight reduced by up to 16%.

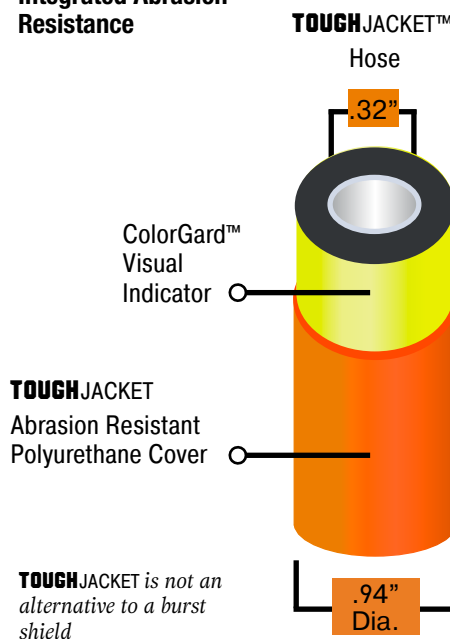


TOUGHJACKET™ hoses have a robust, yet flexible, blended Polyurethane cover extruded directly over the base hose during manufacturing. These hoses are not only sleeker than hoses with a PVC sleeve, they are more durable because the cover is engineered with a proprietary blend of polyurethane to act as an abrasion resistant shield. ToughJacket assemblies are over 180 times more abrasion resistant than assemblies with a PVC sleeve.

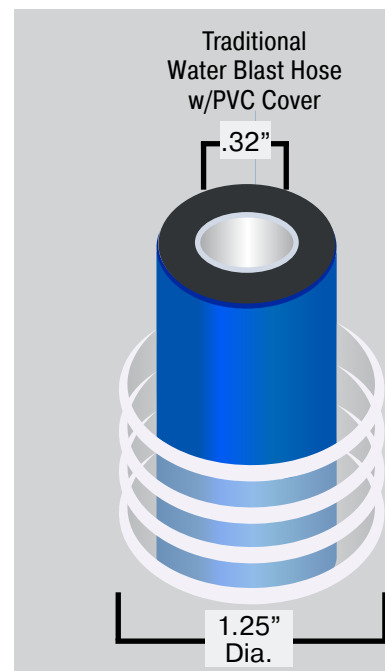
Safety is important at Parker. Our engineers have designed a hose that can be visually inspected for wear without an obstructive PVC layer between you and the hose jacket. According to most environmental experts, PVC is the single most environmentally damaging type of plastic. An additional PVC sleeve adds weight and increases sliding friction, making it more difficult for operators to maneuver the hoses in application. Each ToughJacket assembly is over 16% lighter than a traditional hose assembly with a PVC sleeve.

Parker also incorporates ColorGard™ technology into each hose, featuring a contrasting

## Integrated Abrasion Resistance



## Traditional Water Blast Hose w/PVC Cover



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 and remove the assembly from service.

## Contact Information:

Parker Hannifin Corporation  
**Parflex Division**  
 11151 Cash Road  
 Stafford, TX 77477

phone 281 566 4500  
 fax 281 582 5271

[parker.com/HPToughjacket](http://parker.com/HPToughjacket)



## Product Features:

- Over 180 times more abrasion resistance than PVC
- Features ColorGard™ technology to provide early warning of hose wear
- O.D. is up to 25% smaller than traditional assemblies with a PVC sleeve
- 3,000 psi constant working pressure
- Lighter weight assemblies (up to 16%)
  - reduces friction and drag
  - reduces operator fatigue
  - reduces freight costs
- TOUGHJACKET abrasion resistant cover eliminates the obstructive extra PVC cover

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
- Surface preparation
- Hydrodemolition
- Ship/Industrial cleaning

Part Number	Nominal I.D.			Maximum O.D.		Max. Working Pressure 73°F / 23°C		Minimum Bend Radius		Weight		Cover Color	Permanent Fitting Series
	DN	inch	mm	inch	mm	psi	bar	inch	mm	lbs./ft	kg/mtr	outside	
<b>Reinforcement: 4 layers</b>													
2440N-08V30/12	12	1/2	13	1.13	28.6	20,300	1,400	8	200	0.81	1.21	blue	LX
<b>Reinforcement: 6 layers</b>													
2740D-03V34/15	5	3/16	4.8	0.680	17.3	40,600	2,800	8	200	0.39	0.58	orange	2X
2840D-03V36/14	5	3/16	4.8	0.750	19.1	58,000	4,000	8	200	0.50	0.75	red	2X
PFX25-05-TJ	8	5/16	7.9	0.840	21.3	36,230	2,500	8	280	0.63	0.94	gray	2X
PFX30-05-TJ	8	5/16	7.9	0.894	22.7	43,645	3,010	9	230	0.75	1.10	orange	2X
PFX38-05-TJ	8	5/16	7.9	0.964	24.5	55,000	3,800	11	280	0.96	1.43	red	2X
2640N-12V32/12	20	3/4	19.1	1.460	37.0	20,300	1,400	14	350	1.61	2.40	blue	JX

## Construction

- Tube: Polyoxymethylene; PN 2440N-08V30/12 - Polyamide
- Reinforcement: Four, six or eight spiral layers of high tensile strength steel wire
- Cover: TOUGHJACKET™ Polyurethane

## Operating Parameters

- Temperature Range:
- +14°F to +158°F (-10°C to +70°C)

	Design Factor		
	2.5	2.3	2.1
2440N-08V30/12	PFX30-05-TJ	PFX38-05TJ	
2640N-12V32/12		2840D-03V36/14	
PFX25-05-TJ		2740D-03V34/15	

## Fittings

- 2X Series
- JX Series
- LX Series

Available fitting connections offered:

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

## Colors

- ● - Orange
- ● - Gray
- ● - Blue

## Notes

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

