

The evolution in **FLUID HORSEPOWER™** continues...

XRP ProPLUS Race Hose™

ANTI-STATIC PTFE COMPATIBLE WITH ALL AUTOMOTIVE FLUIDS AND FUELS

A highly compressed, non-porous matrix that is resistant to fuel permeation and diffusion.

SMOOTH INTERNAL TUBE

For superior flow rates, minimum pressure drops AND ease of clean-out, not possible in convoluted hoses.

EXTERNAL CONVOLUTIONS

Promotes hoop strength for vacuum resistance and supports tight bend flexibility.

NEW XRP RACE CRIMP HOSE ENDS

Black is "in" and it is our standard color; Blue and Super Nickel are options. Hundreds of styles are available. Your choice of full hex or lightweight turned down swivel nuts.

CRIMP COLLARS

Two styles allow XRP Race Crimp Hose Ends to be used on the ProPLUS Race Hose, Stainless Braided CPE Race Hose, XR-31 Black Nylon Braided CPE Hose and some convoluted PTFE hoses currently on the market. Black, Gold and Super Nickel.

YOUR CHOICE OF OUTER BRAIDS

XM - Lightweight XtraTemp Monofilament
XK - Aramid Fiber
XKS - Aramid Fiber with Silicone
XS - Stainless Steel
XT - Tube only for inside fuel cells

PATENTED MANUFACTURING PROCESS

Creates a full PTFE smooth-bore hose with external convolutions only on the outside of the tube wall, where they belong for flexibility, not on the inside where they can impede flow.

ProPLUS Xtreme Race Hose™

The Dry Sump Vacuum Race Hose

VACUUM SUPPORT

An engineered design with an externally wound stainless steel wire that provides great vacuum support and tight bend capability.

ANTI-STATIC PTFE TUBE

A high flowing, smooth bore, PTFE tube with external convolutions for flexibility. No internal convolutions that can cause flow restrictions.

YOUR CHOICE OF OUTER BRAIDS

XM - Lightweight XtraTemp Monofilament
XK - Aramid Fiber
XKS - Aramid Fiber with Silicone
XS - Stainless Steel



An exceptional achievement in race hose technology... Perhaps perfection.



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Go to www.xrp.com to learn more about the complete XRP ProPLUS Race Hose™ product line.

XRP
THE XTREME IN RACECAR PLUMBING

ProPLUS Race Hose™ . . . THE EVOLUTION IN FLUID HORSEPOWER™

A hose system utilizing a carbon impregnated anti-static PTFE inner tube that is manufactured using a patented process that creates a smooth interior wall surface and convolutions only on the outside of the tube wall where they belong for increased flexibility and vacuum resistance. There are no convolutions on the inside where they can impede flow by causing turbulence and trapping contamination that can be very difficult to remove.

XRP® ProPLUS™ Race Hose has been designed and sized to directly target fully convoluted PTFE hose products in weight and bend radius while allowing for much greater flow rates due to the smooth inside tube wall. The smooth inside bore allows non-turbulent laminar flow capabilities and a hose assembly that can be cleaned out much easier than fully convoluted hoses.

Ten sizes in the range from -4 PLUS through -20. The PLUS sizes allow even larger I.D. hose options between normal size ranges to choose from. A choice of three braid options: **XS Stainless Steel, XM XtraTemp Monofilament, XK Aramid Fiber and XT Tube** (with no braid) for use inside fuel cells and vent lines. The anti-static PTFE tube is compatible with all automotive fluids and fuels including: Racing Gasoline, Ethanol, Methanol, Nitromethane and Flex-Fuel blends. XRP® ProPLUS Race Hose™ is much more resistant to permeation of liquids or gases than other PTFE hose products, due to its highly compressed, non-porous PTFE matrix.

Operating Temperature of ProPLUS XS -65° F to +500° F. Maximum Operating Pressure is reduced at temperatures over 160° C (320° F). ProPLUS XS is fully vacuum resistant up to 130° C (266° F). Consult with XRP, Inc. for information about vacuum reduction above these temperatures and for performance specifications on other braid coverings.

XS Grades - The Maximum Operating Pressure listed in the table should be reduced by 1% for each 1° C above 160° C (1% for each 1.8° F above 320° F) up to a maximum of 260° C (500° F).

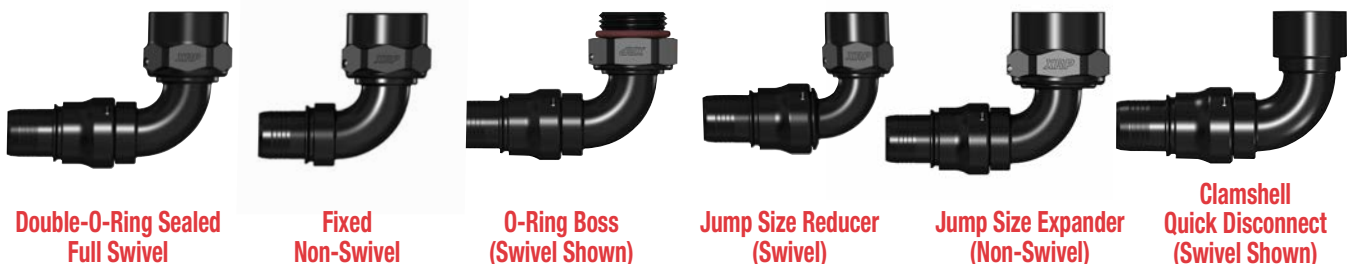
XM and XK Grades - The Maximum Operating Pressure listed in the table should be reduced by 1% for each 1° C above 130° C (1% for each 1.8° F above 266° F) up to a maximum of 180° C (356° F). See the full line XRP® ProPLUS Race Hose™ product brochure for complete details. **Consult with XRP on vacuum conditions for standard ProPLUS Race Hose with XM and XK braid.**

SIZE	HOSE PART NUMBER	HOSE I.D. INCHES	HOSE O.D. INCHES	MINIMUM BEND RADIUS IN INCHES	MAXIMUM OPERATING PRESSURE	WEIGHT LBS. PER FT.
-4 PLUS	333004XS	.270"	.378"	.75"	1280 psi	.062
	333004XM	.270"	.378"	.75"	250 psi	.038
	333004XK	.270"	.378"	.75"	900 psi	.038
	333004XT	.270"	.354"	1.50"	60 psi	.027
-6	333006XS	.312"	.420"	.75"	1220 psi	.084
	333006XM	.312"	.420"	.75"	250 psi	.048
	333006XK	.312"	.420"	.75"	850 psi	.050
	333006XT	.312"	.394"	1.50"	60 psi	.037
-6 PLUS	333007XS	.394"	.534"	1.00"	1160 psi	.107
	333007XM	.394"	.534"	1.00"	250 psi	.062
	333007XK	.394"	.534"	1.00"	810 psi	.067
	333007XT	.394"	.492"	2.00"	60 psi	.047
-8	333008XS	.465"	.607"	1.25"	1000 psi	.124
	333008XM	.465"	.607"	1.25"	250 psi	.074
	333008XK	.465"	.607"	1.25"	725 psi	.075
	333008XT	.465"	.555"	2.50"	60 psi	.051
-10	333010XS	.536"	.690"	1.50"	870 psi	.151
	333010XM	.536"	.690"	1.50"	250 psi	.093
	333010XK	.536"	.690"	1.50"	600 psi	.094
	333010XT	.536"	.640"	3.00"	58 psi	.074
-12	333012XS	.658"	.843"	2.00"	730 psi	.226
	333012XM	.658"	.843"	2.00"	250 psi	.131
	333012XK	.658"	.843"	2.00"	510 psi	.137
	333012XT	.658"	.787"	4.00"	44 psi	.108
-12 PLUS	333013XS	.780"	.953"	2.50"	610 psi	.257
	333013XM	.780"	.953"	2.50"	250 psi	.147
	333013XK	.780"	.953"	2.50"	430 psi	.158
	333013XT	.780"	.913"	5.00"	44 psi	.120
-16	333016XS	.875"	1.080"	2.75"	600 psi	.271
	333016XM	.875"	1.080"	2.75"	250 psi	.181
	333016XK	.875"	1.080"	2.75"	410 psi	.192
	333016XT	.875"	1.030"	5.50"	40 psi	.161
-16 PLUS	333017XS	1.040"	1.250"	3.00"	580 psi	.362
	333017XM	1.040"	1.250"	3.00"	250 psi	.214
	333017XK	1.040"	1.250"	3.00"	400 psi	.237
	333017XT	1.040"	1.193"	6.00"	29 psi	.180
-20	PLEASE CALL FOR SPECIFICATIONS					

XRP® Race Crimp Hose Ends™

XRP introduces a new lightweight crimp-on hose end series that utilizes one hose end design and two different crimp collar designs to assemble with four different hose types. The XRP® Race Crimp Hose End™ series consists of virtually every hose end style available in our other hose end products and more. In fact, there are more than 100 different configurations of ends available in most sizes. Use one style crimp collar to assemble with our Stainless Steel braided CPE Race Hose as well as our Black Nylon braided CPE XR-31 Hose. Use a different crimp collar to assemble with XRP CT Race Hose and certain other convoluted PTFE hose products as well as the all new XRP® ProPLUS Race Hose™ series. Available in straights, all normal angles in bent tube fixed and bent tube double O-Ring sealed full swivel. Styles in 37° JIC, Clamshell, O-Ring Boss, expander and reducer jump sizes, metrics and specials.

These hose ends are available with our standard Full hex nuts or lighter weight Turned Down (TD) hex nuts. Hose end color options: Black, Blue and Super Nickel. Crimp collar color options: Black, Gold, Super Nickel and Raw Aluminum. Call for ordering and part number information.



ProPLUS Xtreme Race Hose

The Dry Sump Vacuum Hose: XRP ProPLUS Xtreme Race Hose is a revolutionary new addition to the ProPLUS Race Hose product line that sets a new level of fluid transfer technology in race hose systems today. The engineering development of the ProPLUS Xtreme Race Hose has created a lightweight race hose product specifically designed to address the increasing vacuum collapse problems that are becoming more and more common in suction hoses used in dry sump racing engines today without having to resort to running an internal support coil that can impede flow. This is accomplished by winding a high tensile, 316 stainless steel wire around and within the external helical convolutions of the ProPLUS tube.

This helical wound wire provides an increased radial support (hoop strength) to the tube wall and an axial reinforcement to the web section form in the unique external convolution of the tube wall. The increased hoop strength of the wound wire support keeps the tube round in shape under vacuum conditions and resists collapse kinking when the hose is tightly bent or flexed. ProPLUS Xtreme provides a higher vacuum and tighter bend radius capability in the lightweight braided versions of the XM - Black XtraTemp Monofilament and XK - Aramid braided products over that of the standard ProPLUS Race Hose in those braid covers. This increased vacuum capability would otherwise only be capable in the heavier, full stainless steel braided version of the standard ProPLUS Race Hose.

The helical wound wire performs much like an internal support coil, but rather on the outside of the tube, not the inside, so there is no interference to the fluid flow through the inside of the hose tube. In addition to excelling in vacuum applications, ProPLUS Xtreme Race Hose is very suitable for the same pressure type of fluid transfer applications as the standard ProPLUS Race Hose.



ANTI-STATIC PTFE TUBE

A high flowing, smooth bore, PTFE tube with external convolutions for flexibility. No internal convolutions that can cause flow restrictions.

VACUUM SUPPORT

An engineered design with an externally wound stainless steel wire that provides great vacuum support and tight bend capability.

YOUR CHOICE OF OUTER BRAIDS

- XM - Lightweight XtraTemp Monofilament
- XK - Aramid Fiber
- XKS - Aramid Fiber with Silicone
- XS - Stainless Steel

An exceptional achievement in race hose technology...

SIZE	HOSE PART NUMBER	HOSE I.D. INCHES	HOSE O.D. INCHES	MINIMUM BEND RADIUS IN INCHES	MAXIMUM OPERATING PRESSURE
-10	334010XM	.536"	.690"	1.50"	250 psi
	334010XK	.536"	.690"	1.50"	600 psi
-12	334012XM	.658"	.843"	2.00"	250 psi
	334012XK	.658"	.843"	2.00"	510 psi
-12 PLUS	334013XM	.780"	.953"	2.50"	250 psi
	334013XK	.780"	.953"	2.50"	430 psi
-16	334016XM	.875"	1.080"	2.75"	250 psi
	334016XK	.875"	1.080"	2.75"	410 psi
-16 PLUS	334017XM	1.040"	1.250"	3.00"	250 psi
	334017XK	1.040"	1.250"	3.00"	400 psi
-20	334020XM	1.280"	1.555"	4.00"	125 psi
	334020XK	1.280"	1.555"	4.00"	380 psi

TECHNICAL SPECIFICATIONS

XRP ProPLUS Xtreme Race Hose is available in six I.D. sizes in both the braid coverings of XM - XtraTemp Monofilament with a maximum continuous working temperature of 392° F (200° C) and XK - Aramid fiber, and soon, XKS with a thin Black Silicone covering over the Aramid. A full stainless steel braid version is also available but most generally the Standard ProPLUS with full stainless steel braid will be suitable for those applications unless an even tighter bend radius capability is required.

Hose operating temperature ranges from -65° F (-54° C) to +500° F (+260° C). Please note that the maximum working pressures and vacuum capabilities are affected by upper end temperature ranges. Please contact XRP, Inc. for consultation on specific applications over 400° F (204° C).

ProPLUS Reusable Hose Ends™

These new reusable hose ends, designed for use with the new XRP ProPLUS Race Hose, allow easy assembly without the need of a crimping machine. They will soon be available in straights, as well as in all our standard angled bent tube ends (30°, 45°, 60°, 90°, 120°, 150° and 180°), in both a fixed style and full swivel, O-Ring Boss (ORB) and jump sizes.

All XRP Hose ends are available with full hex swivel nuts or with light-weight turned down (TD) swivel nuts. Color options include: Black with either Gold, Black or Raw Aluminum sockets.

Our reusable hose ends will also fit some of the fully convoluted hose products in the market as well. Please contact us for details.

For more information, go to our website, www.xrp.com or call us at (562) 861-4765.



Installation Accessories for Race Crimp Hose Ends



CRIMPING MACHINE

For easy field installation of Race Crimp hose ends, our Crimping Machine is the best bet. Get fool-proof installations every time. Carrying case included. Dies sold separately.

PART NO.	DESCRIPTION
329000	Manual Hydraulic Pump
329100	Air Operated Hydraulic Pump
329306	-6 Race Crimp (RC) Crimp Die
329308	-8 Race Crimp (RC) Crimp Die
329310	-10 Race Crimp (RC) Crimp Die
329312	-12 Race Crimp (RC) Crimp Die
329316	-16 Race Crimp (RC) Crimp Die
329320	-20 Race Crimp (RC) Crimp Die



HOSE EXPANSION TOOL

This handy Hose Expansion Tool opens up the inside of XRP's ProPLUS Racing Hose to allow easy insertion of the hose ends for crimping. It replaces the tapered auger tooling used on most fully convoluted hose. Available in sizes -6 through -20. Call XRP for information.

PART NO.	SIZE	DESCRIPTION
328100	---	Hose Expansion Tool
328106	-6	Expansion Tool Die
328108	-8	Expansion Tool Die
328110	-10	Expansion Tool Die
328112	-12	Expansion Tool Die
328116	-16	Expansion Tool Die
328120	-20	Expansion Tool Die



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