



Quality Tools & Controls

BRP - Can-Am®

APPLICATIONS



Motion Pro® Standard Black Vinyl Cables

Our standard replacement black vinyl cables meet or exceed O.E. quality. Black Vinyl cables feature a rolled tempered-steel wire housing made to exact inner and outer specifications to insure correct clearances for the inner wire. All cables have an inner nylon sleeve for longer life and smooth operation. Motion Pro® uses the terminology “coil wound” [CW] to describe the standard type of cable housing.



Motion Pro® Armor Coat Braided Stainless Steel Cables

Dress your bike up with a set of Motion Pro®, Armor Coat Braided Stainless Steel Cables. Armor Coat cables feature a crystal-clear protective coating to protect the finish on your motorcycle and preserve the radiance of the braided stainless steel cables. Extensively tested to resist the effects of the sun's UV rays.

Motion Pro® T2 Cables

Motion Pro T2 cables are our very best cables. All our T2 cables feature a Polyethylene (PE) liner for smooth operation and durability. Motion Pro T2 cables have proven their superiority in the demanding sports of Supercross, MX, enduro, and dirt track racing.

T2 throttle cables feature rolled tempered-steel coil wound [CW] housing with 1.5mm or 1.2 mm inner wire for strength and durability.

Our T2 clutch cables feature longitudinally wound  housing. Clutch cables are subject to very heavy loads and the  housing used in our T2 cables resists compression under heavy loads to deliver a precise, positive, non-mushy feel for enhanced performance.

All our cables are manufactured for specific models to insure perfect fitment. Complete cable kits are available for most popular MX and Offroad bikes.



Motion Pro® Throttle Information

At Motion Pro, we never refer to our throttles by fractional names (1/4-turn, 1/2-turn or other any other “turns”). How far a throttle fractionally turns is a function of the throttle’s “rate” (how much cable inner wire the throttle’s drum or cam reels in for every degree of rotation) and the carb’s/throttle body’s travel (how much cable inner wire must be reeled in to fully open the carb(s) or throttle body(ies)).

As an example, our fastest throttle, the Vortex, has a rate of 1.90 [the maximum number of degrees turned divided by the maximum travel in mm, 95° / 50mm of wire travel]. Since it has a maximum of 95° to turn, it will never be much more than a 1/4-turn throttle, but in any application requiring less than 50mm of travel, it will be less than 1/4-turn to fully open. If only 25mm of travel is required, it will be about a 1/8-turn throttle.

The opposite of the Vortex is our CR Pro; our slowest single-pull throttle. It has a rate of 2.93, the result of a maximum of 170° turn and 58mm of travel. The rule of rates is simple; the smaller the value of the rate, the faster the throttle will open the carb.

Part Number	Throttle	Max Twist°	Rate	Max Travel	Free Length	Adjuster Thread	Adjuster	Replacement Throttle Tube	Replacement Wheel	Replacement Mud Cover	Fastener Head
01-0054	VORTEX	95°	1.90	50	60 ¹	8x1.25	01-0024	01-0082	C1-054B	C1-054A	8mm Hex
01-0053	CR Pro	170°	2.93	58	45 ¹	10x1.25	01-0018	01-0087			4mm Allen
01-0056	CR Comp	190°	2.35	81	50 ¹	10x1.25	01-0018	01-0088			5mm Allen
01-0057	TURBO (Std.)	120°	2.30	52	90 ²	8x1	Incl.	01-0089			4mm Allen
	TURBO (w/ Opt. Tube)	150°	2.00	75	90 ²	8x1	Incl.	01-0072			4mm Allen
01-0060	Magura 314 mx	95°	1.90	50	70	None					Slot
	Magura 314 enduro	105°	2.10	50	70						
01-0058	Push/Pull Black	165°	3.67	45	T20/50I	Cable		01-0052			
01-0059	Push/Pull Chrome	165°	3.67	45	T20/50I	Cable		01-0052			
01-0073	Straight Push/Pull	109°	3.00	36	T34/49I	Cable	Cable	01-0090			5mm Allen

¹ All throttle F/L is measured at the end of the threaded adjuster inside the throttle housing. The threaded adjuster must be screwed all the way in, for use with 01-0024 add 10mm, ² F/L measured from cap, Rate = Twist° / mm Travel, Max travel is measured in millimeters (mm)

Motion Pro® is your source for ATV Twist Throttle Conversions!

We offer a wide range of kits for all different styles of ATVs including replacement cables for use with stock throttles and aftermarket carburetors. We've also redesigned our packaging to make it easier to stock, easier to see what is included and more attractive. If you have any throttle kit questions, be sure to let us know; we'll gladly answer any questions you might have.





Black Vinyl Cables

Model	CC	*Cable Length	Model Year	Throttle BV	Clutch CW	Clutch LW
DS 450	0450	Std	2008	10-0127	10-0129	10-0128
DS 450X	0450	Std	2008	10-0127	10-0129	10-0128
DS 650	0650	Std	2000 - 2005	10-0119		01-1021
DS 650X	0650	Std	2005 - 2007	10-0119		01-1021

Cables for CR-Comp, CR-Pro and Agricultural (Ag) Throttles

Model	CC	Carb	Model Year	BV Throttle Cable
DS 250	0250	Stock	2006	01-1036
Outlander 330 STD 4X4	0330	Stock	2003 - 2005	01-1032
Outlander 330 STD 2X4	0330	Stock	2004 - 2005	01-1032
Outlander 400	0400	Stock	2003	01-1032
Outlander 400 XT 4X4	0400	Stock	2004 - 2007	01-1032
Outlander 400 MAX	0400	Stock	2004 - 2005	01-1032
Outlander 400 MAX XT 4X4	0400	Stock	2006 - 2007	01-1032
Outlander 400 MAX STD 4X4	0400	Stock	2006 - 2007	01-1032
Outlander 400 STD 2X4	0400	Stock	2004 - 2005	01-1032
Outlander 400 STD 4X4	0400	Stock	2004 - 2007	01-1032
DS 450	0450	Stock	2008	01-1076
DS 450X	0450	Stock	2008	01-1076
Outlander 500 XT 4X4	0500	Stock	2007	01-1031
Outlander 500 MAX XT 4X4	0500	Stock	2007	01-1031
Outlander 500 MAX STD 4X4	0500	Stock	2007	01-1031
Outlander 500 STD 4X4	0500	Stock	2007	01-1031
Quest 500	0500	Stock	2002 - 2004	01-1010
DS 650	0650	Stock	2000 - 2005	01-0731
DS 650X	0650	Stock	2005 - 2007	01-0731
Outlander 650 XT 4X4	0650	Stock	2007	01-1031
Outlander 650 MAX XT 4X4	0650	Stock	2007	01-1031
Outlander 650 MAX STD 4X4	0650	Stock	2007	01-1031
Outlander 650 STD 4X4	0650	Stock	2007	01-1031
Quest 650	0650	Stock	2002 - 2004	01-1010
Outlander 800 XT 4X4	0800	Stock	2006 - 2007	01-1031
Outlander 800 MAX XT 4X4	0800	Stock	2006 - 2007	01-1031
Outlander 800 MAX STD 4X4	0800	Stock	2006 - 2007	01-1031
Outlander 800 STD 4X4	0800	Stock	2006 - 2007	01-1031

Cables for Vortex™ Throttle

Model	CC	Carb	Model Year	BV Throttle Cable
DS 650	0650	Stock	2000 - 2005	01-0732
DS 650X	0650	Stock	2005 - 2007	01-0732



Included:
Rubber Mud Cover
for Vortex Throttle



Vortex™ throttle 01-0054

Twist Throttle Kits

Model	CC	Carb	Foot Note	Model Year	CR Comp	CR Pro	Vortex
DS 250	0250	Stock		2006 - 2007	01-2579		
Outlander 330 STD 2X4	0330	Stock		2004 - 2005		01-2570	
Outlander 330 STD 4X4	0330	Stock		2004 - 2005		01-2570	
Outlander 400	0400	Stock		2003		01-2570	
Outlander 400 MAX	0400	Stock		2004 - 2005		01-2570	
Outlander 400 MAX STD 4X4	0400	Stock		2006 - 2008		01-2570	
Outlander 400 MAX XT 4X4	0400	Stock		2006 - 2008		01-2570	
Outlander 400 STD 2X4	0400	Stock		2004 - 2005		01-2570	
Outlander 400 STD 4X4	0400	Stock		2004 - 2008		01-2570	
Outlander 400 XT 4X4	0400	Stock		2004 - 2008		01-2570	
DS 450	0450	Stock	031	2008		01-2606	01-2607
DS 450X	0450	Stock	031	2008		01-2606	01-2607
Outlander 500 MAX STD 4X4	0500	Stock		2007 - 2008		01-2569	
Outlander 500 MAX XT 4X4	0500	Stock		2007 - 2008		01-2569	
Outlander 500 STD 4X4	0500	Stock		2007 - 2008		01-2569	
Outlander 500 XT 4X4	0500	Stock		2007 - 2008		01-2569	
Quest 500	0500	Stock		2002 - 2004		01-2508	
DS 650	0650	Stock		2000 - 2005	01-0516		01-0517
DS 650X	0650	Stock		2005 - 2007	01-0516		01-0517
Outlander 650 MAX STD 4X4	0650	Stock		2007 - 2008		01-2569	
Outlander 650 MAX XT 4X4	0650	Stock		2007 - 2008		01-2569	
Outlander 650 STD 4X4	0650	Stock		2007 - 2008		01-2569	
Outlander 650 XT 4X4	0650	Stock		2007 - 2008		01-2569	
Quest 650	0650	Stock		2002 - 2004		01-2508	
Outlander 800 MAX LTD 4X4	0800	Stock		2008		01-2569	
Outlander 800 MAX STD 4X4	0800	Stock		2006		01-2569	
Outlander 800 MAX STD 4X4	0800	Stock		2008		01-2569	
Outlander 800 MAX XT 4X4	0800	Stock		2006 - 2008		01-2569	
Outlander 800 STD 4X4	0800	Stock		2006 - 2008		01-2569	
Outlander 800 XT 4X4	0800	Stock		2006 - 2008		01-2569	
Renegade 800EFI	0800	Stock		2007		01-2569	



CR Comp™ throttle 01-0056



CR Pro™ throttle 01-0053



Agricultural throttle 01-0063



CR Pro™ Chrome throttle 01-0071



Ball Joint Separator

Model	CC	Model Year	Ball Joint Separator
DS 650	0650	2000 - 2004	08-0120
DS 650X	0650	2005 - 2007	08-0120

Flywheel Pullers

Model	CC	Model Year	Flywheel Puller
DS 650	0650	2000 - 2005	08-0321
DS 650X	0650	2005 - 2007	08-0321

* Cable Length-number of inches + or -, **CC**-Displacement, **BV**- Black Vinyl, **CW**- Coil Wound, **LW**- Longitudinally Wound
Foot Note - **031** - WARNING The Vortex throttle will open your carburetor to full throttle in just 22 degrees of twist (1/16 turn). This throttle is extremely fast and is recommended for closed course off road racing by expert riders only.

Terms of Business:

Motion Pro sells to authorized powersports distributors, powersports dealers, specialty manufacturers and retail consumers. We encourage retail consumers to purchase our products from their local powersports dealer where they can see an item before purchasing it, obtain necessary technical advice and information, save shipping charges, and obtain additional services that we cannot offer. We encourage powersports dealers to buy our products from one of our authorized distributors to get the lowest pricing and best terms. Our terms of sale to powersports dealers and retail consumers are FOB San Carlos, California and payment must be made by credit card or money order. We do not issue refunds or accept returns except in case of warranty where we have chosen to issue a refund instead of repair or replacement. Please call us if you cannot find the product you are looking for at your local dealer or favorite distributor.

We accept orders by mail, email, telephone or fax from authorized account holders. Our staff is available during regular business hours (pacific standard time) to answer your technical questions or special application needs. For more information contact your dealer, visit us at www.motionpro.com or give us a call and one of our sales representatives will be happy to answer any questions you may have. Our office hours are 8:00am to 5:00pm PST, Monday through Friday.

Part Numbering:

All Motion Pro cables are individually packed in poly sleeves with a color-coded header card. Each color represents a specific brand or type of cable. Our part number and the type of cable is printed on each header card. In addition, the Motion Pro part number is embossed on each cable to ensure positive identification.

Returns:

Warranty claims must be made directly to Motion Pro, Inc. Please call the Motion Pro Warranty Department during regular business hours (M-F, 8-5 pm, PST) to obtain an RGA number before you return any product to Motion Pro. We will not accept product that is returned without a Motion Pro issued RGA number. After you obtain an RGA number, send the item along with a copy of your purchase receipt to Motion Pro Warranty Dept., 867 American Street, San Carlos, CA 94070. The RGA number must be clearly marked on the outside of the package. Please include a brief description of the problem, your full name, company name, address, and telephone number and email address. We cannot process warranty claims that are made with incomplete information or without a valid RGA number or purchase receipt. Warranties on Motion Pro products are applicable to the original purchaser only and are not transferable. Claimant is responsible for all freight charges to return product to Motion Pro. If upon inspection we find that the product was covered under the Motion Pro warranty for that product we will, at our choice, either repair or replace the item at no charge, freight prepaid. Unless specifically requested, we will not return product sent to us if we determine that the product is no longer covered under the applicable warranty or the damage was due to abuse or neglect. Claimant is responsible for freight charges to return product to claimant that is not covered under warranty. Motion Pro warranties are limited; see the "Warranty Limitations" for further information.

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As to products where Motion Pro, Inc. is not the manufacturer, Motion Pro, Inc. grants no warranties whatsoever, whether express or implied or statutory, including without limitation, the implied warranties of merchantability and fitness for a particular purpose. The customers' sole remedy is specifically limited to the warranties, if any, granted by the manufacturer of the product. As to product, if any, where Motion Pro, Inc. is the manufacturer, Motion Pro, Inc. guarantees said products for one year from the date of purchase by the customer against defects in materials and workmanship only, and that guarantee is limited to the repair or replacement of that product only. Repair or replacement of any part is subject to Motion Pro, Inc. determining that the part is in fact defective and that the part was not subjected to abuse or excessive use and was properly installed, serviced and maintained. The above is customer's exclusive remedy. The above is expressly in lieu of all warranties express or implied and of all other obligations or liabilities. In no event shall Motion Pro, Inc. be liable for any incidental or consequential damages arising from the breach of any warranties, improper installation, the failure to deliver, delay in delivery, delivery of non-conforming parts, or any other breach of contract or duty. There are no warranties, express or implied, including any warranty of merchantability and fitness for a particular purpose, which extend beyond the face of this statement.

Back Orders:

All back orders should be confirmed directly with your distributor.

Motion Pro® Inc.

Reserves the right to change any and all prices without notice.

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