



D.I.D.[®]

Powered by Technology

the On/Off road dominator
CATALOGUE 2014



Technical
Partner



Transmission chain always undergoes hard and rough conditions, for this reason its performance must be OEM approved. A long time and continuous process of research and development of technology has made D.I.D brand the world N° 1 OEM chain maker. **We are able to supply the best chain for every motorcycling needs:** street, off road, touring and racing.

WHY TO BUY D.I.D® CHAINS?



BECAUSE THE BEST BRANDS HAVE SELECTED D.I.D!

D.I.D is the chain supplier of the most important OEM motorcycle makers in the world.

Also Ducati and Yamaha MotoGP teams have chosen D.I.D chains.

YAMAHA
MV AGUSTA
HONDA
SUZUKI

TRIUMPH
DUCATI
KTM
BMW

BETA
HARLEY DAVIDSON
KAWASAKI
PIAGGIO

BECAUSE OF TOTAL QUALITY!

Chain wear resistance

D.I.D chains offers a **30% longer life** than other brands' chains.

BECAUSE OF PERFORMANCE!

Lightweight
High rigidity
Maximum traction power handling

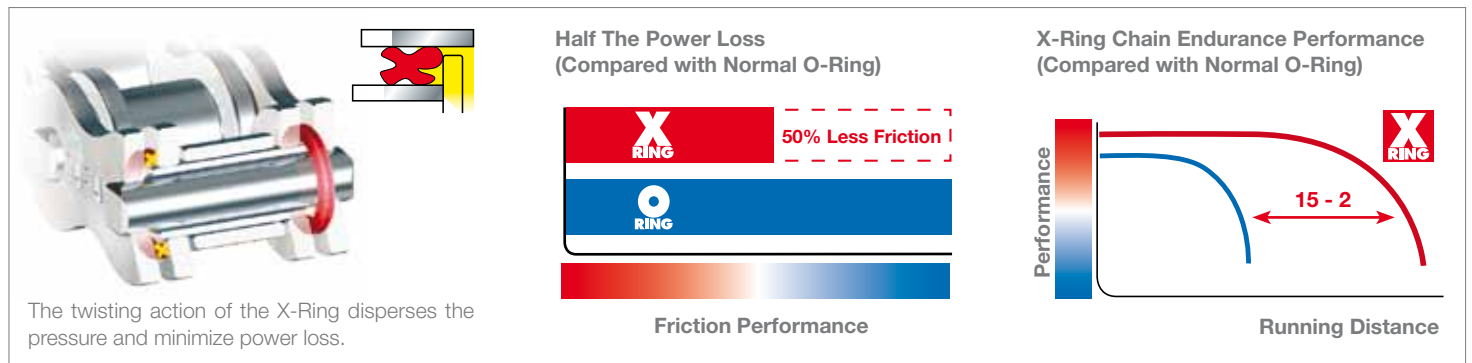
BECAUSE OF HIGHER CHAIN RIGIDITY!

Rigidity in a chain means resistance to chain deformation and elongation. Improving the real world chain performance that riders can actually feel.



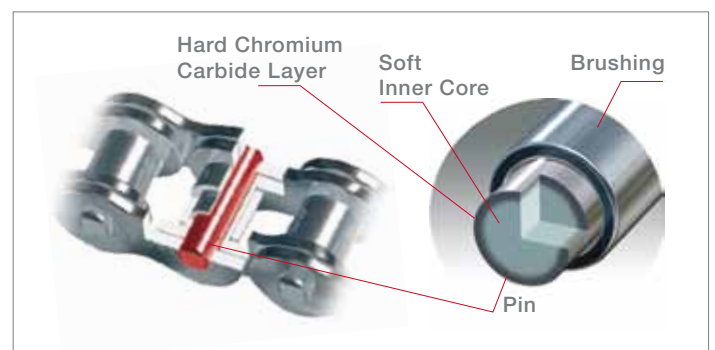
BECAUSE OF X-RING TECHNOLOGY!

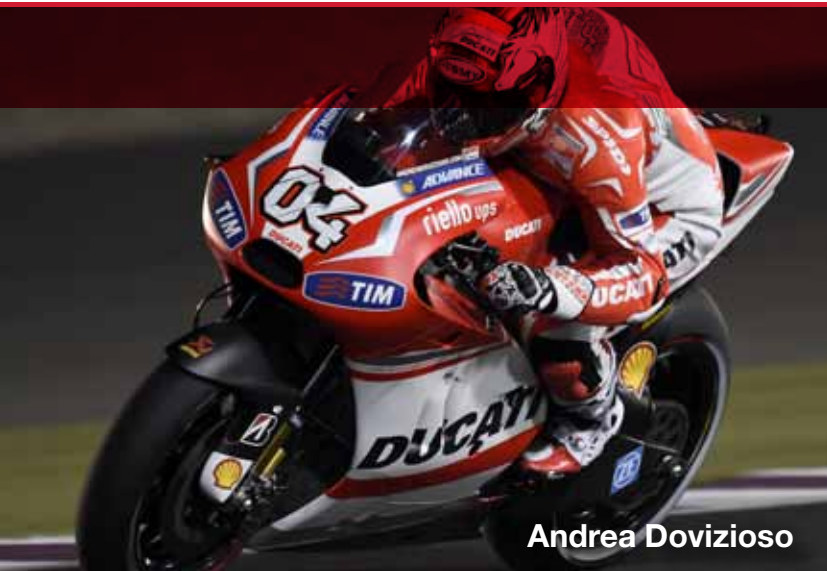
D.I.D's PATENTED X-Ring construction reduces friction by twisting between the side plates instead of being squashed. The X-Ring's four contact points greatly increase its sealing performance. This keeps the dirt out and the lubrication is much better than any other O-Ring.



BECAUSE OF ADVANCED TECHNOLOGY!

SDH pin treatment creates extremely hard Chromiumcarbide layer on the pin surface. But at the same time inner core is maintained soft to absorb shock load of high jump etc.



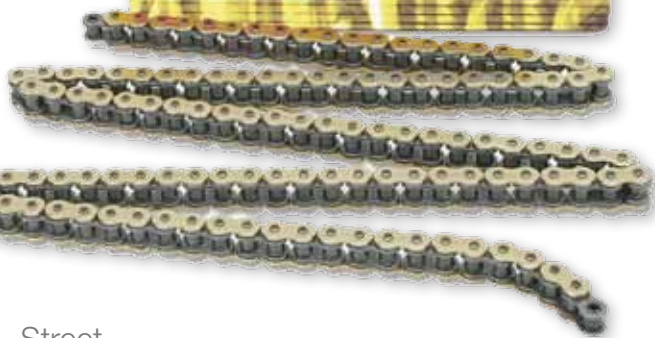


Andrea Dovizioso



Chad Reed

SERIES VX | Price/Quality Ratio for High Performance



VX Series specifications

+ RIGIDITY

Thanks to increased chain rigidity, bowing and warping are avoided and manageability is improved

+ WEAR RESISTANCE: 40%

D.I.D patented X-Rings® have a 40% greater wear resistance of any other type of O-Ring chain

- POWER LOSS: 50%

D.I.D X-Rings® decrease friction between side plates and reduce power loss by 50% of any other type of O-Ring chain

Street

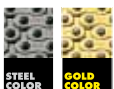
CHAIN	DISP. C.C.	MAIN FEATURE
428VX	50-350cc	X-Ring Best price/quality ratio in the market
520VX2	125-750cc	
525VX	400-900cc	
530(50)VX	750-1000cc	

Off Road

CHAIN	DISP. C.C.	MAIN FEATURE
428VX	50-350cc	X-Ring Best price/quality ratio in the market
520VX2	125-750cc	

VX & ZVM-X Performance Chart

	520 VX2	125 cc
	520 ZVM-X	250 cc
	525 VX	
	525 ZVM-X	
	530(50) VX	
	530(50) ZVM-X	

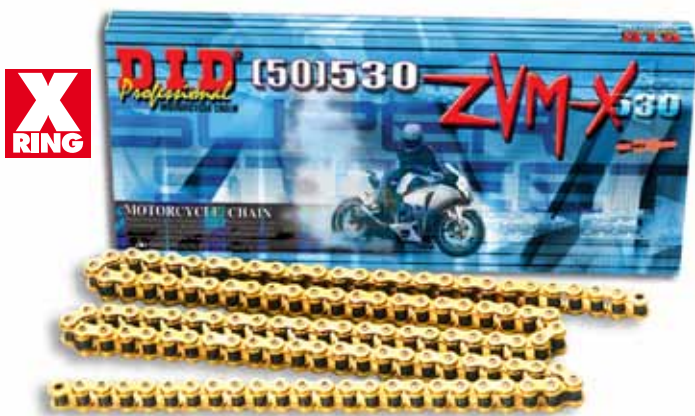


available in B&B (inner and outer plate in black) or G&B (outer plate in gold and inner plate in black)



Valentino Rossi

SERIES **ZVM-X** | High Power Super Wear Resistance



ZVM-X Series specifications

MAXIMUM CONTROL

Always the best traction power handling in all conditions

ABSOLUTE RIGIDITY

ZVM-X rigidity is 10% higher than previous ZVM2

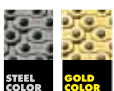
HIGH PERFORMANCE

ZVM-X chains give you the best acceleration performance and pick up reaction

Sport-Tourer & Sport

750 cc	
	1200 cc
400 cc	900 cc
450 cc	1300 cc
	750 - 1000 cc
600 cc	1400 cc

CHAIN	DISP. C.C.	MAIN FEATURE
520ZVM-X	250-1200cc	Super strong Longest wearing
525ZVM-X	400 - 1300cc	
530(50)ZVM-X	600 - 1400cc	



available in B&B (inner and outer plate in black) or G&G (inner and outer plate in gold)



Jorge Lorenzo



Tray Canard

SERIES **ER** | Series - On/Off Road Driven At Higher Speeds



Track & Trial Racing

CHAIN	DISP. C.C.	MAIN FEATURE
415ERZ G&G	50 -125cc/2 strokes	Moto3
	250cc/4 strokes	
520ERS2 G&G	125-250cc	Non O-Ring for Trial
520ERV3 G&G	250-1000cc	X-Ring for MotoGP and SBK

Racing Off Road

CHAIN	DISP. C.C.	MAIN FEATURE
420NZ3 G&B	50-150cc	Mini cross
428NZ G&B	50-125cc	Mini cross
520ERT2 G&G	125-450cc	Supercross Champion
520MX G&B	250-500cc	Supermotard



415 ERZ

«THE BEST CHAIN FOR MOTO3»



available in G&G (inner and outer plate in gold)



Chad Weinen



Alex Salvini

SERIES **SPECIAL** | for Off Road Racing

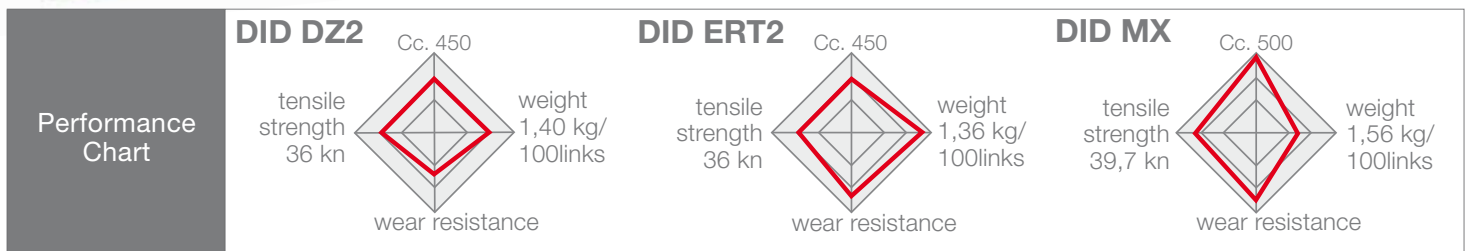
DZ2



Value Chain for Mx with SDH PIN Technology

CHAIN	DISP. C.C.	MAIN FEATURE
520DZ2 G&B	max 450 cc	Light weight

The new 520DZ2 has been upgraded with D.I.D exclusive Super Dai Hard treated pin. As a result 520DZ2 G&B has a greater wear resistance than the former DID 520DZ G&B. The combination of great wear resistance and light weight makes 520DZ2 G&B the best entry model chain for motocross.



VT2



Enduro Racing Narrow X-Ring

CHAIN	DISP. C.C.	MAIN FEATURE
520VT2 G&B	max 500 cc	Narrow Chain

This narrow chain is now upgraded with the low friction D.I.D X-Ring for greater performance and longer wear. The 520VT2 is designed for Enduro racing motorcycles that can not accommodate a wider sealed chain due to clearance limitations.

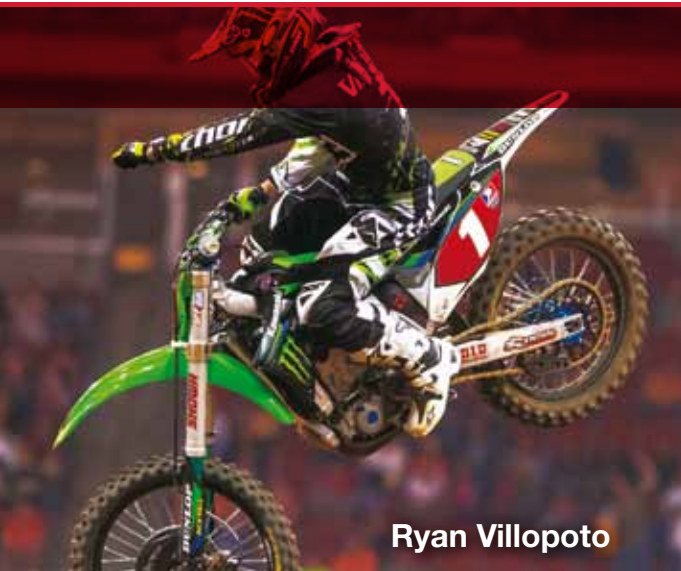
ATV



ATV Racing X-Ring

CHAIN	DISP. C.C.	MAIN FEATURE
520ATV G&B	max 750 cc	Low friction

Special steel alloy is used to provide extra strength required for Quad racing.



Ryan Villopoto



Ryan Dangy

SERIES **DIRT STAR™** Rims

D.I.D has succeeded in the development of light alloy aluminum rims, creating the age of today's light and strong alloy rims. D.I.D DIRT STAR™ rims are approved by the most famous hub, spoke and nipples makers, as well as compatible with Original Equipment (OEM) wheel components from Beta, KTM, Kawasaki, Honda, Husaberg, Husqvarna, Sherco, Suzuki and Yamaha.

Please visit www.dideu.it for complete application chart

D.I.D DIRT STAR™ LT-X AND ST-X RIMS: the choice of AMA Supercross & MX1 Top Riders



D.I.D LT-X and **D.I.D ST-X** are compression formed for structural integrity and consistency. These rims utilize the D.I.D's "7 series" aluminum.

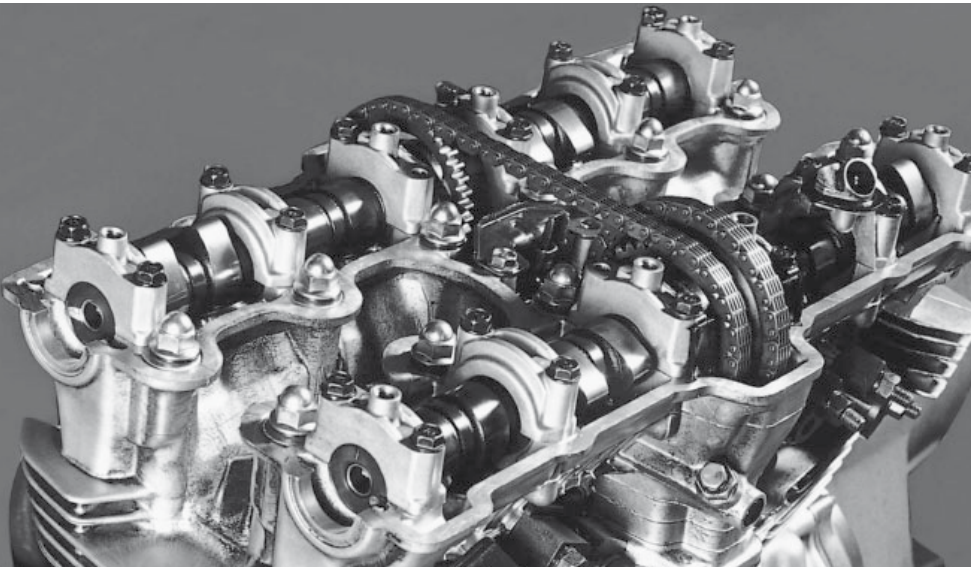
D.I.D LT-X rims are the big-time winners at AMA Supercross Championships. Lightweight but stronger than competitors' strongest rim.

D.I.D ST-X rims are heavy duty rims ideally suited for all types of off road racing. Stronger than any other competitors' rim in the market.

2013 AMA SUPERCROSS RESULTS

Position	Name	Rim
1	Ryan Villopoto	DIRTSTAR
2	Davi Millsaps	-
3	Ryan Dungey	DIRTSTAR
4	Justin Barcia	DIRTSTAR
5	Chad Reed	DIRTSTAR
6	Trey Canard	DIRTSTAR
7	Andrew Short	-
8	Justin Brayton	-
9	Broc Tickle	DIRTSTAR
10	James Stewart	-





SERIES ENGINE CHAINS



D.I.D ENGINE CHAINS

D.I.D engine chains are made from the highest quality select steel alloys that are light, yet provide maximum strength. For great durability, the D.I.D cam chains offer precision, solid bushing and shot-peened parts.

FEATURES

Precision engineered for superior durability and smooth operations. D.I.D's special DHA and SV treatments that offer increased durability through an extremely hard metallic layer on the pin surface. Unique pin-link/plate set-up offers an ideal engaging mechanism for smooth, low-friction power.

⚠ DON'T DO IT YOURSELF! PLEASE ASK TO DEALER TO CHANGE YOUR MOTORCYCLE OR SCOOTER ENGINE CHAIN

D.I.D ENGINE-MECHANISM ROLLER & BUSH CHAIN

D.I.D engine-mechanism roller and bush chains have excellent wear resistance, fatigue strength, silencing effect and shock strength capable of withstanding high speed operation, and can meet the severe conditions required for today's powerful yet down-sized motorcycle high performance engines. D.I.D engine-mechanism chains feature exclusive Dai-Hard (DHA) treatment to enhance durability.

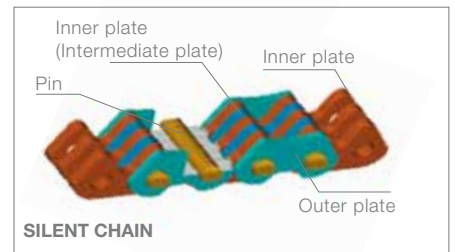
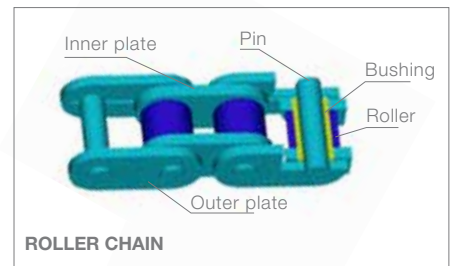
D.I.D SILENT CHAIN

THE WORLD'S FIRST 6.35 mm PITCH NARROW SILENT CHAIN

Original plate design and exclusive SV pin surface treatment realize the advancement of wear resistance performance technology.

D.I.D silent chain can keep a noise level remarkably lower than conventional roller chains.

D.I.D silent chains are world-wide used for high-speed and large tension transmission typical of the modern motorcycle engines.



CHAIN No.	Pitch - P	Roller Link Width - W	Roller Dia - D	Pin - E	Plate - T
D.I.D 25	6.35	3.18	3.30	7.80	0.72
D.I.D 25H		3.18	3.30	9.00	1.00

CHAIN No.	Pitch - P	Lacing	W	E	H	Ave. Tensile Strength		Approx. Weight (kg/m)
						kN	kgf	
D.I.D SCA 0404A SV	6.35	2 X 3	6.00	3.20	6.70	6.27	640	0.161
D.I.D SCA 0409A SV		3 X 4	8.10	5.10		9.81	1.000	0.238
D.I.D SCA 0412A SV		4 X 5	11.00	7.15		12.26	1.250	0.316
D.I.D SCR 0404 SV	6.35	2 X 3	6.00	3.20	9.50	6.93	705	0.172
D.I.D SCR 0409 SV		3 X 4	8.10	5.10		10.00	1.020	0.255
D.I.D SCR 0412 SV		4 X 5	10.30	7.15		13.23	1.350	0.322



EQUIPMENT AND APPLICATION

D.I.D CHAIN LUBE 420ML

ANTI-WEAR	Ultimate chain protection from wear
ANTI-RUST	Long-lasting chain protection from rust
HIGHER VISCOSITY	To prevent centrifugal dispersion
ECOLOGIC	No Freon or Ethane

D.I.D CHAIN CLEANER 420ML

CLEANING	To eliminate impurity by a powerful airstream
EASY OF USE	Easy spray long nozzle
HIGH PENETRABILITY	Deep penetration into difficult-access cleaning points and long lasting action
ECOLOGIC	No Freon or Ethane

KM500R

Cutting and riveting tool for D.I.D's chains
For use with D.I.D 520/525/530 chains
By changing arch, pin and plate it also cuts and rivets 420/428 chains






SERIES	CHAIN	DISPLACEMENT
STREET	Non O-Ring	
	420NZ3	50 - 250 cc
	428NZ	50 - 125 cc
	520NZ	250 - 450 cc
	X-Ring	
	420V O-ring	50 - 125 cc
	428VX	50 - 350 cc
	520VX2	125 - 750 cc
	525VX	400 - 900 cc
	530(50)VX	750 - 1000 cc
SPORT	520ZVM-X	250 - 1200 cc
	525ZVM-X	450 - 1300 cc
	50(530)ZVM-X	600 - 1400 cc
RALLY & ENDURO	520ZVM-X	250 - 1200 cc
	520VT2 G&B	250 - 500 cc
	520VX2	125 - 750 cc

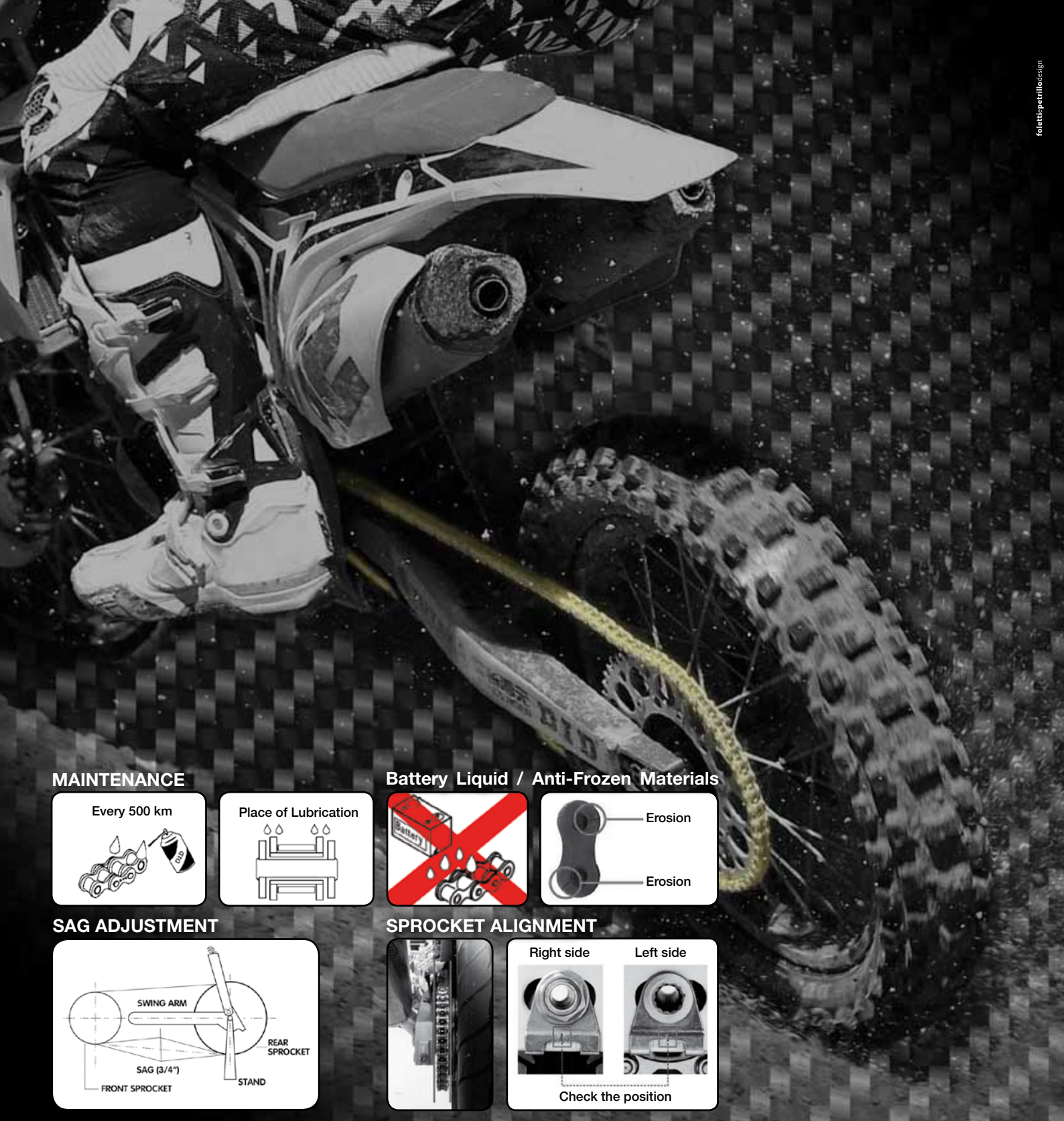
SERIES	CHAIN	DISPLACEMENT
TRIAL	Non O-Ring	
	415ERZ G&G	50 - 250 cc
	520ERS2 G&G	125 - 250 cc
	X-Ring	
	428VX	50 - 350 cc
	520VX2	125 - 750 cc
MOTOCROSS	Non O-Ring	
	420NZ3 G&B	50 - 150 cc
	428NZ G&B	50 - 125 cc
	520DZ2 G&B	125 - 450 cc
	520ERT2 G&G	125 - 450 cc
	520MX G&B	250 - 500 cc
	RACING	415ERZ G&G
520ERS2 G&G		125 - 250 cc
X-Ring		
SPRINT SUPERBIKE SUPERSPORT ENDURANCE	520ERV3 G&G	250 - 1000 cc

The above displacement chart is for reference only; displacement limitations may vary from model to model.

SPECIFICATIONS

Series	Chain	Available colors (Inner & outer plate)	SDH pin treatment	Pin Length (mm)	Roller Diameter (mm)	Inner plate Thickness (mm)	Outer plate Thickness (mm)	Weight 100 links (kg)	Tensile Strength Average (KN)	Wear resistance Index: Std chain = 100	Connecting Link
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												Rivet (ZJ)	Clip (FJ/RJ)
ER	Non O-Ring	415ERZ	G&G	√	13,50	7,77	1,5	1,5	0,66	20,2	410	OPTION	RJ
		520ERS2	G&G		16,75	10,16	1,8	1,8	1,15	25,9	360	OPTION	RJ
		520ERT2	G&G	√	17,60	10,16	2,0	2,0	1,36	36,0	430	OPTION	RJ
		520MX	G&B	√	18,60	10,16	2,2	2,2	1,56	39,7	440	√	N/A
		520ERV3	G&G		18,60	10,22	2,0	2,0	1,50	38,5	3100	√	N/A
ZMX		520ZVM-X	B&B o G&G		21,00	10,22	2,2	2,2	1,63	38,9	3500	√	N/A
		525ZVM-X	B&B o G&G		23,20	10,32	2,4	2,6	2,11	46,3	4000	√	N/A
		530(50)ZVM-X	B&B o G&G		24,90	10,32	2,4	2,6	2,20	46,3	4000	√	N/A
VX		428VX	B&B o G&B		20,65	8,6	2,0	2,0	1,21	33,0	2700	OPTION	FJ
		520VX2	B&B o G&B		18,70	10,22	2,0	2,0	1,52	36,5	3500	√	OPTION FJ
		525VX	B&B o G&B		21,80	10,32	2,2	2,2	1,84	41,0	3600	√	OPTION FJ
		530(50)VX	B&B o G&B		23,30	10,32	2,2	2,2	1,94	41,0	3800	√	N/A
		532ZLV	B&B		24,80	11,10	2,4	2,4	2,20	43,4	3300	√	N/A
V		420V	B&B		16,90	7,77	1,5	1,5	0,73	15,8	700	N/A	RJ
		630V	B&B		25,30	11,96	2,4	2,4	2,96	48,1	2050	OPTION	FJ
SPECIAL		520VT2	G&B		18,70	10,16	2,0	2,0	1,49	37,5	3060	OPTION	FJ
		520ATV	G&B		21,00	10,22	2,2	2,2	1,66	33,9	3250	OPTION	FJ
		520DZ2	G&B	√	17,65	10,16	2,0	2,0	1,40	36	410	OPTION	RJ
NZ	NON O-Ring	420NZ3	B&B o G&B	√	16,75	7,77	1,8	1,8	0,82	21,9	410	N/A	RJ
		428NZ	B&B o G&B	√	18,90	8,50	2,0	2,0	1,00	25,5	410	OPTION	FJ
		520NZ	B&B	√	18,35	10,20	2,2	2,2	1,61	35,8	410	OPTION	FJ



MAINTENANCE

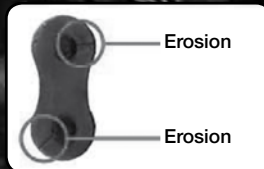
Every 500 km



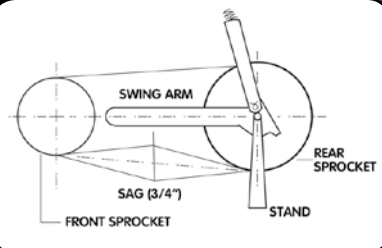
Place of Lubrication



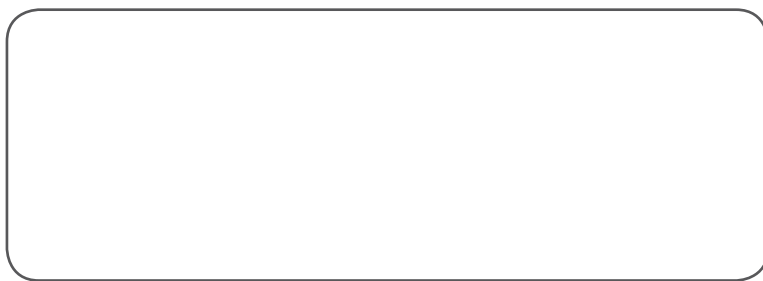
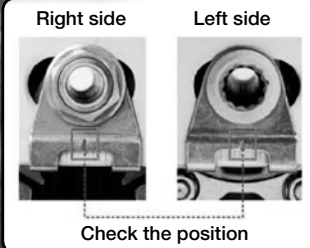
Battery Liquid / Anti-Frozen Materials



SAG ADJUSTMENT



SPROCKET ALIGNMENT



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