

D.I.D.®

POWERED by TECHNOLOGY

CATALOG
2018






BEST RIDERS' CHOICE

D.I.D.[®]

POWERED by TECHNOLOGY



MADE IN JAPAN: UNCOMPROMISED QUALITY PROVIDING OUTSTANDING PERFORMANCE THE WORLD OVER

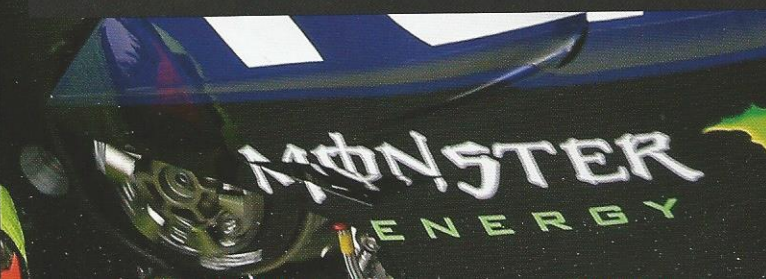
D.I.D brand drive chains and aluminum rims are all manufactured in Kaga, Ishikawa prefecture, Japan and supplied through motorcycle dealers worldwide. These top quality products are meticulously made by skilled technicians in order to provide outstanding performance for all riders. It is this focus on perfection that D.I.D has been pursuing for over 80 years.

WORLD'S NO.1 GENUINE PARTS MANUFACTURER

D.I.D is the World's No.1 original parts (OE) supplier for Japanese and European motorcycle manufacturers (Based on industry surveys dated January 2015). The D.I.D genuine parts that are supplied to numerous motorcycle manufacturers have worldwide reputation for superior quality and reliability.

RACE PROVEN TECHNOLOGY

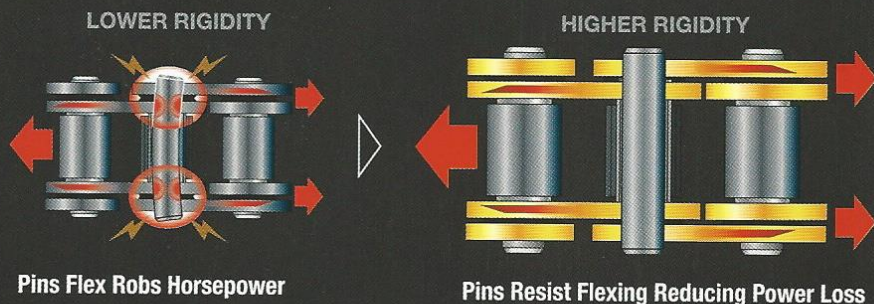
We support top riders through a program designed to rigorously test and develop our products by working with their teams at the most demanding racetracks in the world.



High RIGIDITY

RIGIDITY is D.I.D's Original Concept born from years of experiences in MotoGP Development!!

Rigidity in a chain means resistance to chain deformation and elongation.



- > Quicker Response
- > Reduced Power Loss
- > Smoother Handling



D.I.D's PATENTED X-Ring® is superior to others.

HALF THE POWER LOSS
(Compared with Normal
O-Ring)

Friction Performance



Low Friction ◀ Friction Performance ▶ High Friction

D.I.D's PATENTED X-Ring® construction reduces friction by twisting between the side plate instead of being squashed.

Endurance Performance

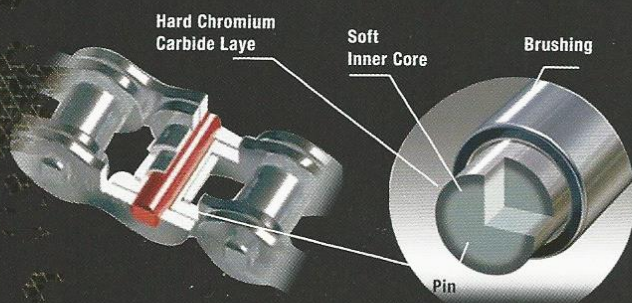


The X-Ring's four contact points greatly increase its sealing performance. This keeps the dirt out and the lubrication in much better than any other O-Ring type seal.



**Extreme Impact
Pin Strength**

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

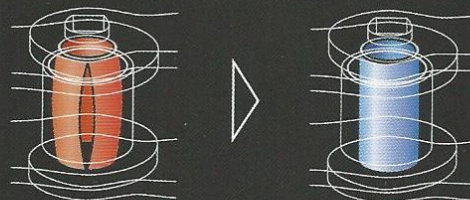


**Cold-Formed
High-Precision Bushing**

Solid Bushing chains have a high wear-resistance. The cold-formed solid bushings have a smooth seamless surface with complete roundness.

Curled bushing of a
standard roller chain

Solid bushing
for longer chain life



VX



High
RIGIDITY

X-RING

SOLID BUSH

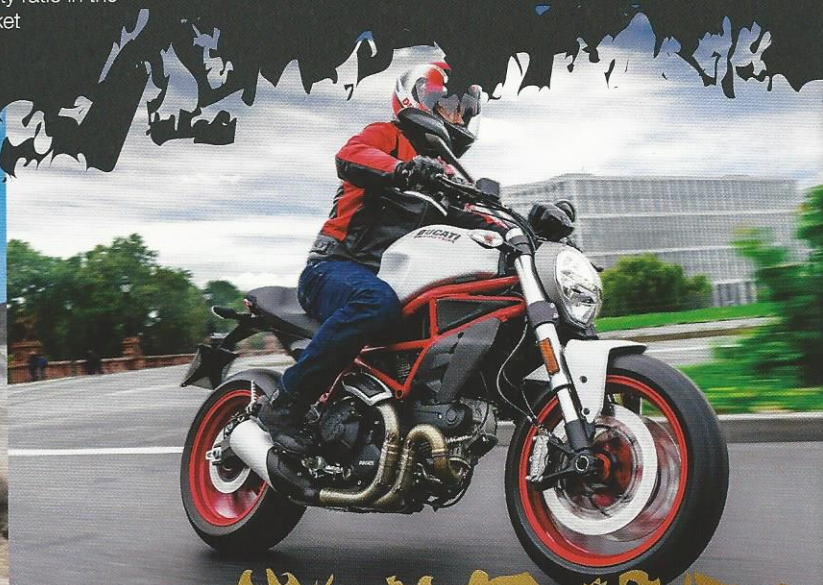
GOLD

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	
530VX	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	



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

X-RING

VX/ZVM-X: Performance

520 VX2	125 cc
520 ZVM-X	250 cc
525 VX	400 cc
525 ZVM-X	750 cc
530 VX	1000 cc
530 ZVM-X	1000 cc

ZVM-X



High
RIGIDITY

X RING

RACING

SOLID BUSH

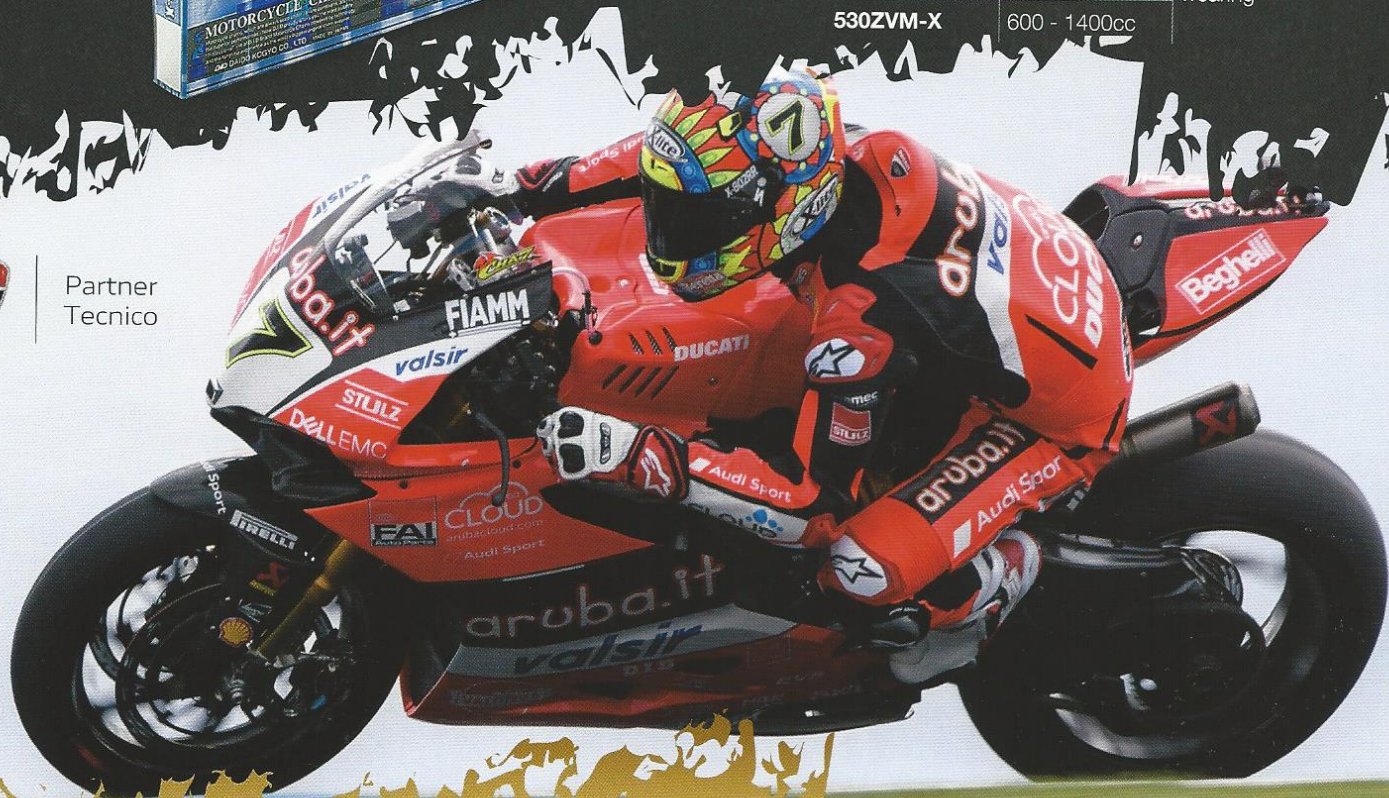
GOLD

Sport-Tourer & Sportive

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



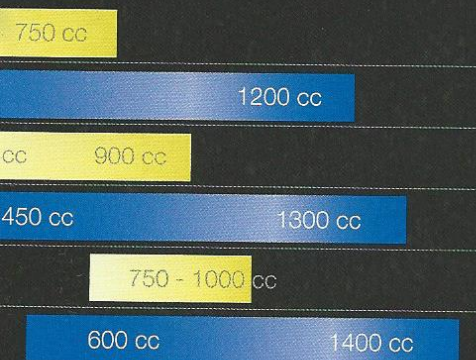
Partner
Tecnico



Chaz Davies

SERIES ZVM-X High Power Super Wear Resistance

Performance Chart



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

520ERV3

High RIGIDITY

X RING

RACING

SOLID BUSH

GOLD



racing chain
not to use
on public road



Valentino Rossi



520ERT3

DISP.c.c.

520ERT3

MAX. 450c.c.

RACING

SDH PIN

SOLID BUSH

GOLD



new



Ryan Dungey

SERIES

ER

Track/Off Road
Driven At Higher Speeds



520MX

DISP.c.c.

520MX

MAX. 500c.c.

RACING

SDH PIN

SOLID BUSH

GOLD

Racing Off Road

CHAIN	DISP. C.C.	MAIN FEATURE
420NZ3 G&B	50-150cc	Mini cross
428NZ G&B	50-125cc	Mini cross
520ERT3 G&G	125-450cc	Supercross Champion
520MX G&B	250-500cc	Supermotard

Track & Trial Racing

CHAIN	DISP. C.C.	MAIN FEATURE
415ERZ G&G	50 -125cc/2 strokes	Moto3
	250cc/4 strokes	
520ERS3 G&G	125-250cc	Non O-Ring for Trial
520ERV3 G&G	250-1000cc	X-Ring for MotoGP and SBK



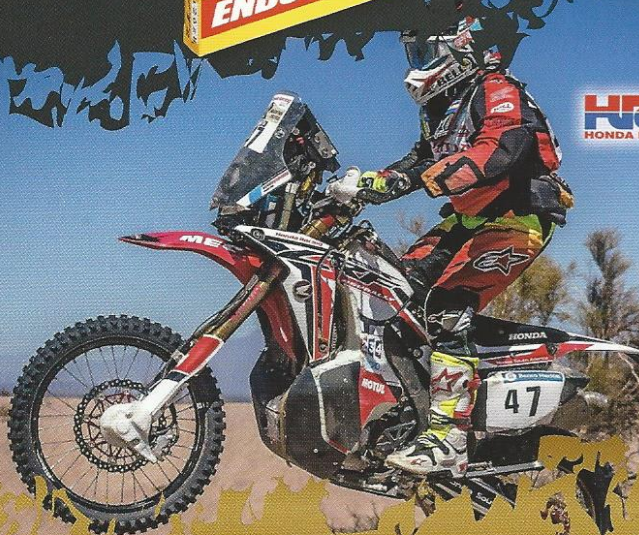
520VT2

X-RING **RACING** **SOLID BUSH** **GOLD**

Enduro Racing Narrow X-Ring

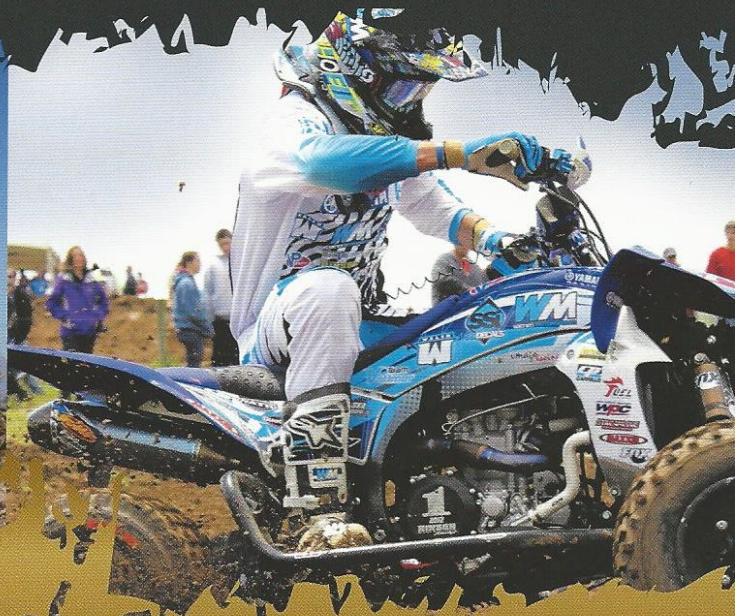
CHAIN	DISP. C.C.	MAIN FEATURE
520VT2 G&B	max 500 cc	Narrow Chain

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 accomodate a wider sealed chain due to clearance limitations.

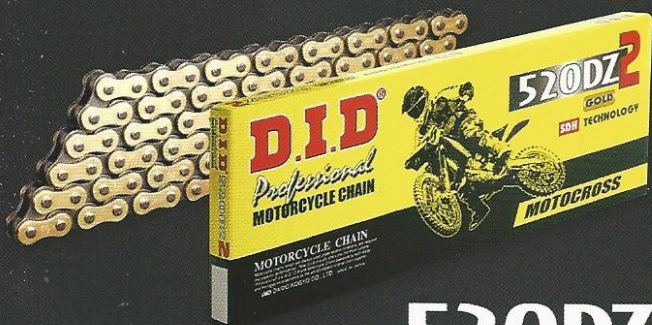


HRC
HONDA RACING

Kevin Benavides



SERIES **SPECIAL** for Off Road Racing



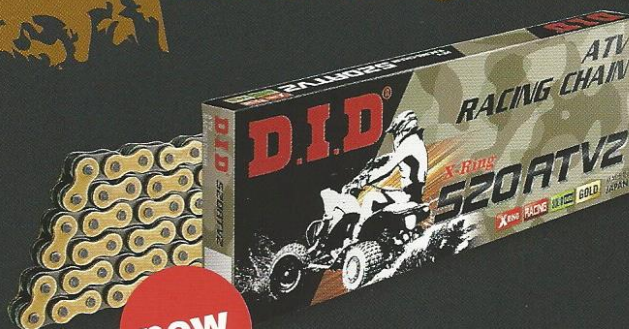
520DZ2

RACING **SDH PIN** **SOLID BUSH** **GOLD**

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.



new

520ATV2

X-RING **RACING** **SOLID BUSH** **GOLD**

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 strenght required for Quad racing.

D.I.D.® ***DIRTSTAR***™

TSUYO **強D.I.D** ***DIRTSTAR*** ORIGINAL
STRONG MX RIM

Evgeny Bobryshev



SERIES ***DIRTSTAR***™ | Rims

D.I.D RIMS DIRT STAR™ ORIGINAL:

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.

D.I.D RIMS DIRT STAR™ ST-X:

the choice of AMA Supercross & MX1 Top Riders!

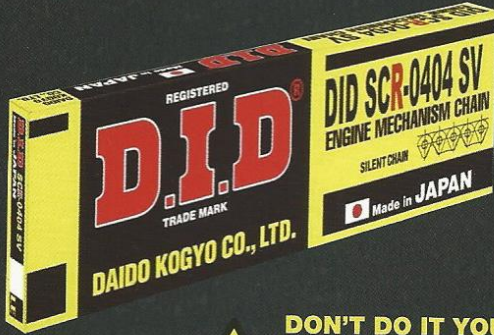
D.I.D LT-X and D.I.D ST-X are compression formed for structural integrity and consistency. These rims utilize the D.I.D's "7 series" aluminum.

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

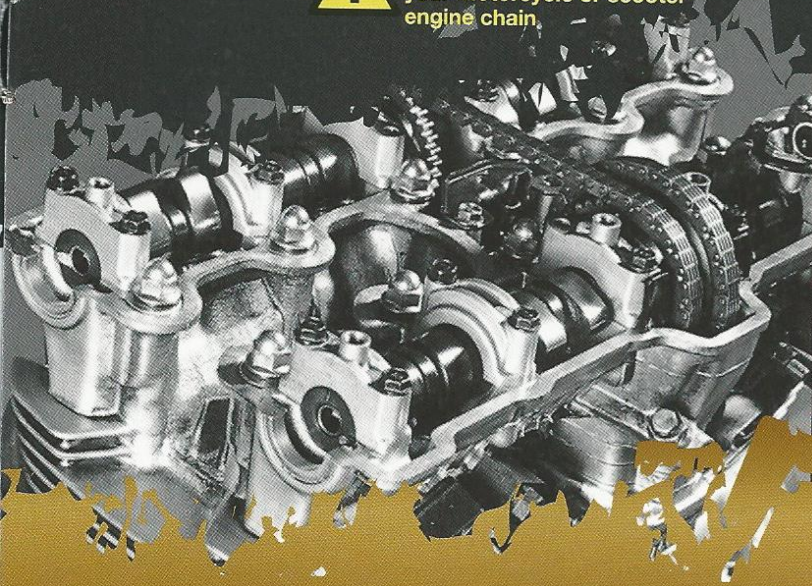
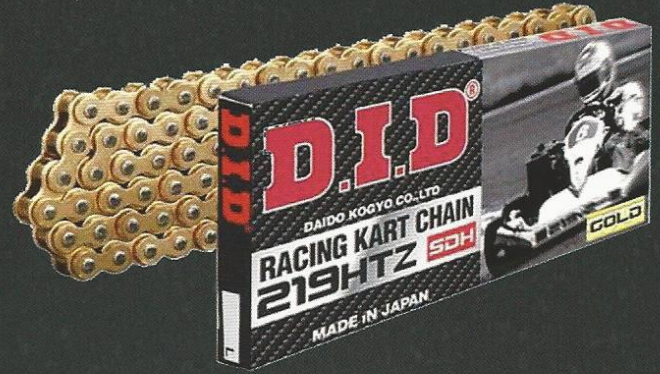
D.I.D ST-X rims are heavy duty rims ideally suited for all types of off road racing. Stronger than any other competitors' rim in the market.



Please visit www.dideu.it
for a complete application chart



DON'T DO IT YOURSELF!
please ask a dealer to change
your motorcycle or scooter
engine chain.



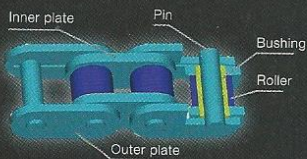
SERIES ENGINE CHAINS

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.

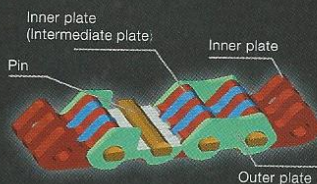
Precision engineered for superior durability and smooth operation. D.I.D's special DHA and SV treatments offer increased durability through an extremely hard metallic layer on the pin surface.

The unique pin-link/plate set-up offers an ideal engaging mechanism for smooth, low-friction power.

Roller Chain



Silent Chain



SERIES KART CHAINS

The D.I.D kart chains are renowned all over the world for high quality, durability and performance. Thanks to an undisputed success in the karting world for over 30 years, D.I.D kart chains continue to be a primary factor in the Karting market.

Decades of experience and testing have lead DID to go through extra steps to perfectly complete each part on the chain.

Excellent wear resistance, fatigue strength, silencing effect and shock strength capable of withstanding high-speed operation.

Designed for superior durability at high rpm.

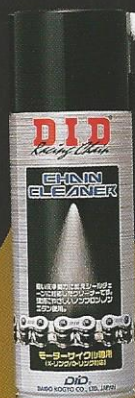
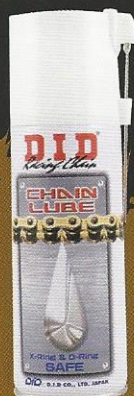
Special Dai-hard treatment forms an extremely hard metallic layer on the pin surface for increased durability.

219 SERIES Wear Resistance Index

219V2 SDH	400
219HTZ SDH	210
219HTM DHA	150
219HTM	100

CHAIN	TYPE	WEIGHT (g/100L)	Tensile Strength Averag		Color	Wear Resistance Index
			kN	Lbs.		
428VX	X-Ring ® Chain	1,210	33	7,420	G&B	1,230
428HD	Solid Bushing	1,000	23,4	5,250	G&G	100
219V2 SDH	SDH & O-Ring	264	10.16	2,280	S&B	400
219HTZ SDH	SDH	249	9.8	2,200	G&G	210
219HTM DHA	DHA	249	9.8	2,200	G&B	150

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 U-holder, 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
	520ERS3 G&G	125 - 250 cc
	X-Ring	
	428VX	50 - 350 cc
MOTOCROSS	520VX2	125 - 750 cc
	Non O-Ring	
	420NZ3 G&B	50 - 150 cc
	428NZ G&B	50 - 125 cc
	520DZ2 G&B	125 - 450 cc
	520ERT3 G&G	125 - 450 cc
	520MX G&B	250 - 500 cc
RACING	415ERZ G&G	50 - 250 cc
	520ERS3 G&G	125 - 250 cc
SPRINT SUPERBIKE SUPERSPORT ENDURANCE	X-Ring	
	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		
											Rivet (ZJ)	Clip (FJ/RJ)	
	Non O- Ring	415ERZ	G&G	√	13,50	7,77	1,5	1,5	0,66	20,2	410	OPTION	RJ
		520ERS3	G&G		16,75	10,16	1,8	1,8	1,15	25,9	420	OPTION	RJ
		520ERT3	G&G	√	17,50	10,16	2,0	2,0	1,39	37,0	430	OPTION	RJ
		520MX	G&B	√	18,60	10,16	2,2	2,2	1,56	39,7	440	√	N/D
	X RING	520ERV3	G&G		18,60	10,22	2,0	2,0	1,50	38,5	3100	√	N/D
	X RING	520ZVM-X	B&B o G&G		21,00	10,22	2,2	2,2	1,63	38,9	3500	√	N/D
		525ZVM-X	B&B o G&G		23,20	10,32	2,4	2,6	2,11	46,3	4000	√	N/D
		530(50)ZVM-X	B&B o G&G		24,90	10,32	2,4	2,6	2,20	46,3	4000	√	N/D
	X RING	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	√	OPZIONE FJ
		525VX	B&B o G&B		21,80	10,32	2,2	2,2	1,84	41,0	3600	√	OPZIONE FJ
		530(50)VX	B&B o G&B		23,30	10,32	2,2	2,2	1,94	41,0	3800	√	N/D
		532ZLV	B&B		24,80	11,10	2,4	2,4	2,20	43,4	3300	√	N/D
	O RING	420V	B&B		16,90	7,77	1,5	1,5	0,73	15,8	700	N/D	RJ
		630V	B&B		25,30	11,96	2,4	2,4	2,96	48,1	2050	OPTION	FJ
	X RING	520VT2	G&B		18,70	10,16	2,0	2,0	1,49	37,5	3060	OPTION	FJ
		520ATV2	G&B		18,75	10,22	2,0	2,0	1,55	37,5	3500	OPTION	FJ
		520DZ2	G&B	√	17,65	10,16	2,0	2,0	1,40	36	410	OPTION	RJ
	NON O- Ring	420NZ3	B&B o G&B	√	16,75	7,77	1,8	1,8	0,82	21,9	410	N/D	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



RJ
Loose fit
type
Clip



FJ
Semi-press fit type
Clip



ZJ
Semi-press fit type
Rivet



LE
Endless/ Chain
closed
by manufacturer

DID Europe srl

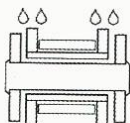
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www.dideu.it

Maintenance

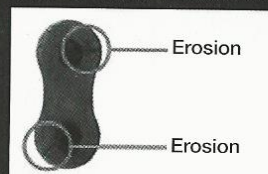
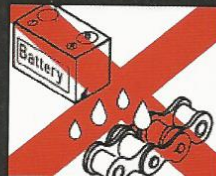
Every 500 km



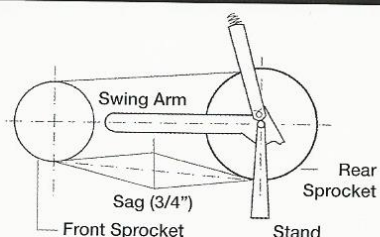
Place of Lubrication



Battery Liquid / Anti-Frozen Materials



Sag Adjustment



Sprocket Alignment

