



TECHNICAL  
PARTNER

**D.I.D.**<sup>®</sup>  
POWERED by TECHNOLOGY

# CATALOG 2025

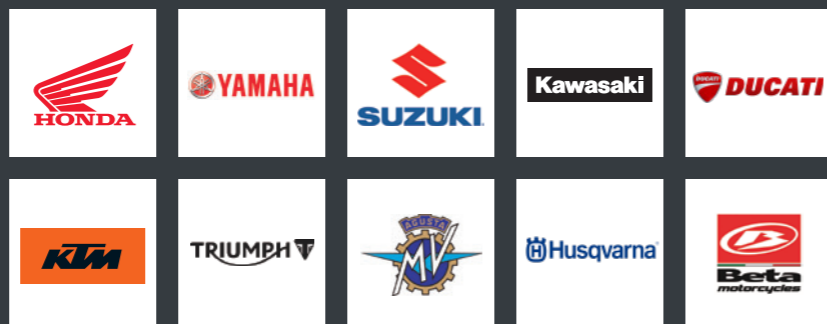


# THAT'S WHY I'M YOUR CHAIN



Valentino Rossi  
D.I.D World Brand Ambassador

**VR46**



## BEST RIDERS' CHOICE

**D.I.D.**<sup>®</sup>  
POWERED by TECHNOLOGY

## 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 2017). The D.I.D genuine parts that are supplied to numerous motorcycle manufacturers have worldwide reputation for superior quality and reliability.



## 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.

## 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.

## DIRECT

## DIRECT ENERGY TRANSFER

"DIRECT" is D.I.D. Original Concept born from years of experiences in MotoGP Development to increase the chain's rigidity. Rigidity in a chain means resistance to chain deformation and elongation. "DIRECT" gives you amazing throttle response by preventing pins from being flexed during acceleration and deceleration.



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

## X RING

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

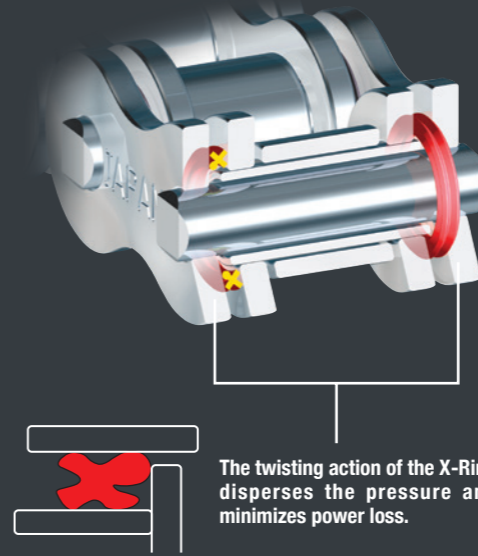
HALF THE POWER LOSS  
(Compared with Normal O-Ring)

### Friction Performance

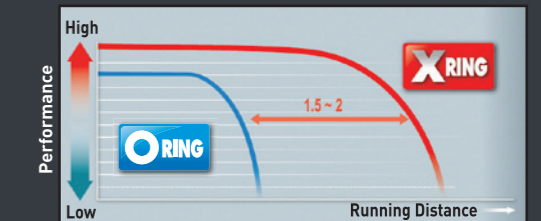


Low Friction ◀ Friction Performance ▶ High Friction

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



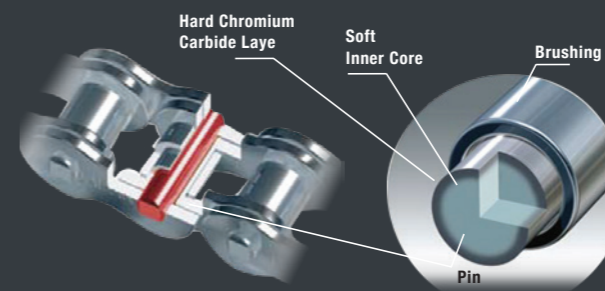
## X-Ring® Chain Endurance Performance (Compared with Normal O-Ring)



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.

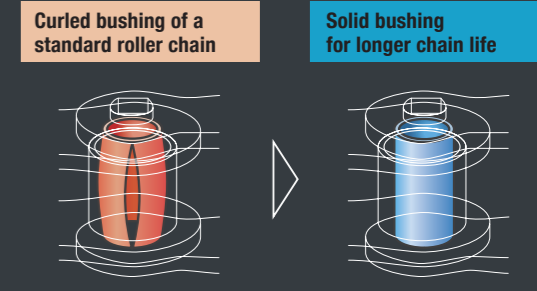
## SDH PIN Extreme Impact Pin Strength

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



## SOLID BUSH 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.



**D.I.D.**<sup>®</sup>  
POWERED by TECHNOLOGY

Francesco Bagnaia



TECHNICAL  
PARTNER

**THAT'S WHY I'M YOUR CHAIN**

Upgraded from DID 525VX  
**525VX<sub>3</sub>**

Upgraded from DID 530VX  
**530VX<sub>3</sub>**

**530ZVM-X<sub>2</sub>**

**DIRECT** **X-RING** **RACING** **SOLID BUSH**

**Sport-Tourer & Sportive**

CHAIN	DISP. C.C.	MAIN FEATURE
520ZVM-X	250-1200 cc	Super strong Longest wearing
525ZVM-X2	450 - 1300 cc	
530ZVM-X2	600 - 1400 cc	

**Direct Energy Transfer!** with Direct Energy Transfer, lets you feel every twist of the throttle with amazing acceleration response. This is due to our state-of-the-art technology to increase the rigidity in a chain.

**DIRECT** **X-RING** **SOLID BUSH**



Toby Price



TECHNICAL PARTNER



TECHNICAL PARTNER



**SERIES VX<sub>3</sub>**

**GOLD** **SILVER** **STEEL**

**SERIES ZVM-X<sub>2</sub>**

**GOLD** **SILVER**  
**STEEL** **BLACK**

**428** **520** **525** **530**

**520** **525** **530**

**Higher Tensile Strength**

The 525VX3 and 530VX3 both have an 8% tensile strength increase from the 525VX and 530VX due to the hardness of its inner plate.

**Longer chain life**

With an X-Ring material upgrade, the 525VX3 has a greatly improved sealing performance and a wear resistance increase of 11% while the 530VX3 wear resistance increases by 5%!

**Wider Range of Motorcycles**

The max cc rating of the 525VX3 is 1,000 cc, up from 900 cc with the 525VX. The 530VX3 has a max cc rating of 1,100 cc, up from 1,000 cc with the 530VX.

**VX3 / ZVM-X2: Performance Chart**

	50 cc	350 cc
520 VX3	125 cc	800 cc
520 ZVM-X	250 cc	1200 cc
525 VX3	400 cc	1000 cc
525 ZVM-X2	450 cc	1300 cc
530 VX3	750 cc	1100 cc
530 ZVM-X2	600 cc	1400 cc

**Street**

CHAIN	DISP. C.C.	MAIN FEATURE
525VX3	400-1000 cc	X-Ring Best price / quality ratio in the market
530VX3	750-1100 cc	

**Street & Off Road**

CHAIN	DISP. C.C.	MAIN FEATURE
428VX	50-350 cc	X-Ring Best price/ quality ratio in the market
520VX3	125-800 cc	

**D.I.D.**<sup>®</sup>  
POWERED by TECHNOLOGY

Alvaro Bautista



TECHNICAL  
PARTNER

**THAT'S WHY I'M YOUR CHAIN**

Upgraded from DID 520ERV3

# 520ERV7



**DIRECT** **X-RING** **RACING** **SOLID BUSH**

Upgraded from DID 520VT2

# 520ERV7



DISP.c.c.  
**520ERV7**  
MAX. 500c.c.

# 520ERS3

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



# 415ERZ

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



TECHNICAL PARTNER

Alvaro Bautista



# SERIES ER

EXCLUSIVE RACING



Tim Gajser



Racing Track

**GOLD**



Toprak Razgatıoğlu



# SERIES ER

EXCLUSIVE RACING



Axel Bassani



Racing Track/Off Road

**GOLD**



# 520ERT3

DISP.c.c.  
**520ERT3**  
MAX. 450c.c.

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



# 520MX

DISP.c.c.  
**520MX**  
MAX. 500c.c.

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

## Track & Trial Racing

CHAIN	DISP. C.C.	MAIN FEATURE
415ERZ G&G	50 -125cc/2 strokes 250cc/4 strokes	Moto3
520ERS3 G&G	125-250cc	Non O-Ring for Trial
520ERV7 G&G	250-1000cc	X-Ring for MotoGP and SBK



Toni Bou

**D.I.D.**<sup>®</sup>  
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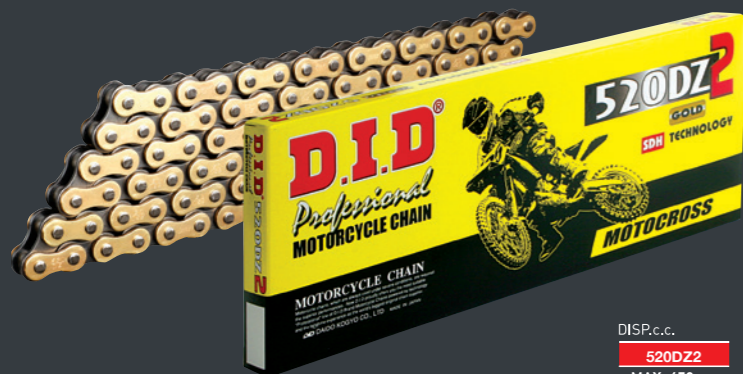


**VR46**

Valentino Rossi  
D.I.D World Brand Ambassador

**THAT'S WHY I'M YOUR CHAIN**

# 520DZ2



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.

DISP.c.c.  
520DZ2  
MAX. 450c.c.

## Motocross

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

CHAIN	TYPE	WEIGHT (g/100L)	Tensile Strength Average kN/Lbs.		Color	Wear Resistance Index
428VX	X-Ring® Chain	1,210	33,00	7,420	G&B	1,230
428HD	Solid Bushing	1,000	23,40	5,250	G&G	100
219V2 SDH	SDH & O-Ring	264	10,16	2,280	S&B	400
219HTZ SDH	SDH	249	9,80	2,200	G&G	210
219HTM DHA	DHA	249	9,80	2,200	G&B	150

## 219 SERIES Wear Resistance Index

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



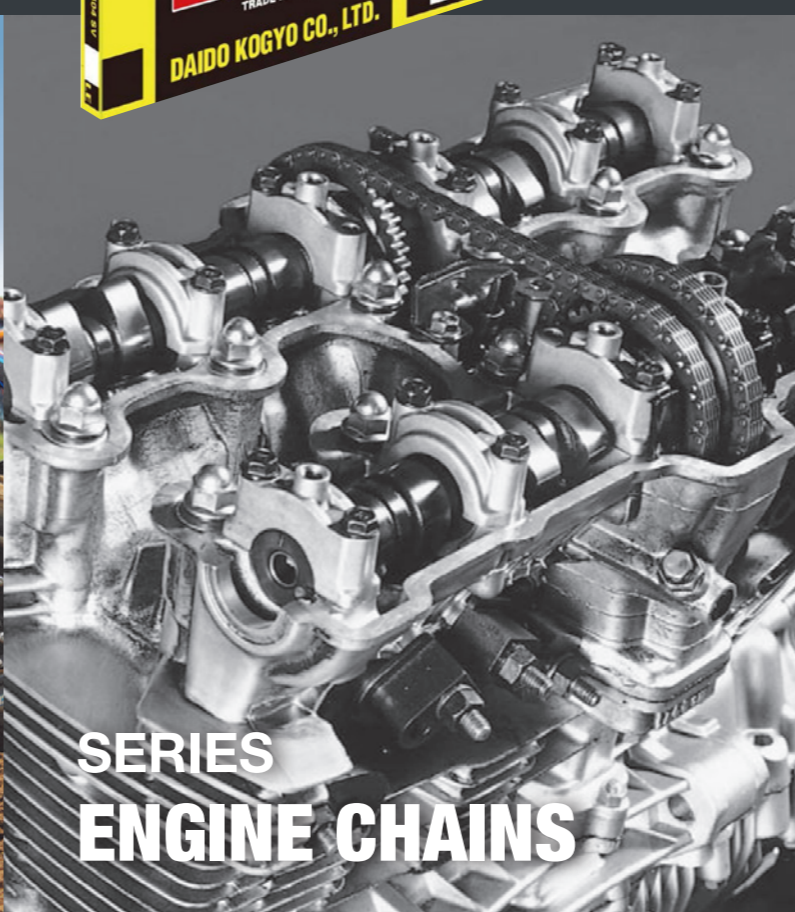
**!**  
DON'T DO IT YOURSELF!  
please ask a dealer to change your motorcycle or scooter engine chain



Romain Febvre



## Off Road Racing



## SERIES ENGINE CHAINS



## SERIES KART CHAINS



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

## ATV Racing

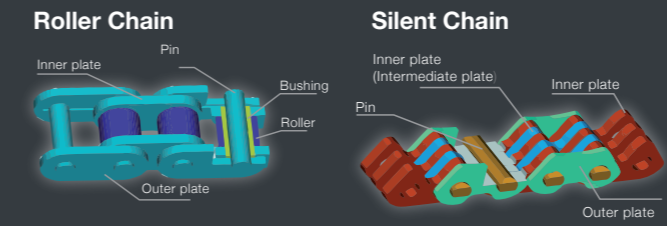
CHAIN	DISP. C.C.	MAIN FEATURE
520ATV2 G&B	max 750 cc	Low friction

# 520ATV2



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.

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.



**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:**

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.



**HRC**  
HONDA RACING

Tim Gajser

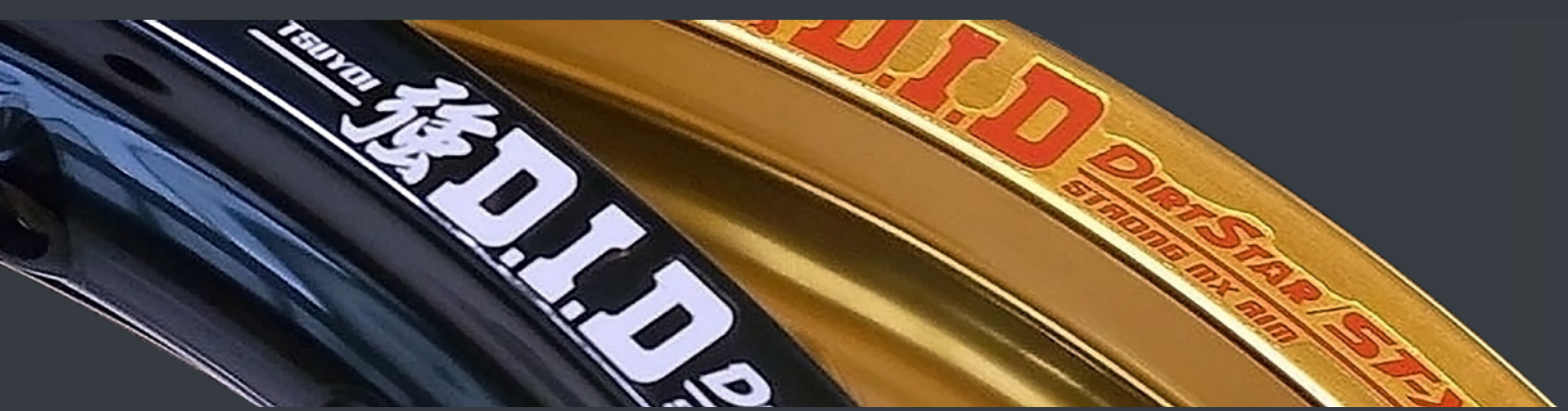
**DIRTSTAR**™ Series Rims



Red Bull  
**KTM**  
FACTORY RACING

Cooper Webb

**DIRTSTAR/ST-X** Series Rims



Dirt Star: light alloy rims compatible with original equipment wheel components.  
**The choice of AMA Supercross & MX1 Top Riders!**

Please visit [www.dideu.it](http://www.dideu.it) for a complete application chart

# EQUIPMENT AND APPLICATION

# SPECIFICATIONS



## D.I.D Chain Lube 300ml

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

## D.I.D Chain Cleaner 300ml

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

## KM500R

**New package!**  
The new box is now in metal for stronger protection and it is covered by a cardboard sleeve to prevent damages, such as scratches, to the box.

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	SERIES	CHAIN	DISPLACEMENT	
STREET	<b>Non O-Ring</b>		TRIAL	<b>Non O-Ring</b>		
	420NZ3	50 - 250 cc		415ERZ G&G	50 - 250 cc	
	428NZ	50 - 125 cc		520ERS3 G&G	125 - 250 cc	
	520NZ	250 - 450 cc		<b>X-Ring</b>		
	<b>X-Ring</b>			428VX	50 - 350 cc	
	420V O-ring	50 - 125 cc		520VX3	125 - 800 cc	
	428VX	50 - 350 cc		<b>Non O-Ring</b>		
	520VX3	125 - 800 cc			420NZ3 G&B	50 - 150 cc
	525VX3	400 - 1000 cc			428NZ G&B	50 - 125 cc
	530(50)VX3	750 - 1100 cc			520DZ2 G&B	125 - 450 cc
SPORT	520ZVM-X	250 - 1200 cc	MOTOCROSS	520ERT3 G&G	125 - 450 cc	
	525ZVM-X2	450 - 1300 cc		520MX G&B	250 - 500 cc	
	530(50)ZVM-X2	600 - 1400 cc		RACING	415ERZ G&G	50 - 250 cc
RALLY & ENDURO	520ZVM-X	250 - 1200 cc	520ERS3 G&G		125 - 250 cc	
	520ERVT G&G	250 - 500 cc	<b>X-Ring</b>			
	520VX3	125 - 800 cc	520ERV7 G&G	250 - 1000 cc		

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)	
ER	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
ZVM-X series	X-RING	520ERV7	G&G		18,85	10,30	2,0	2,0	1,55	40,0	3500	✓	N/D
		520ZVM-X	B&B o G&G		21,00	10,22	2,2	2,2	1,63	38,9	3500	✓	N/D
		525ZVM-X2	B&B o G&G		23,20	10,32	2,4	2,6	2,11	46,3	4000	✓	N/D
VX3 series	X-RING	530(50)ZVM-X2	B&B o G&G		24,90	10,32	2,4	2,6	2,20	46,3	4000	✓	N/D
		428VX	B&B o G&B		20,65	8,6	2,0	2,0	1,21	33,0	2700	OPTION	FJ
		520VX3	B&B o G&B		18,70	10,22	2,0	2,0	1,52	36,5	3500	✓	OPZION FJ
V	X-RING	525VX3	B&B o G&B		21,80	10,32	2,2	2,2	1,84	44,3	4000	✓	OPZION FJ
		530(50)VX3	B&B o G&B		23,30	10,32	2,2	2,2	1,94	44,3	4000	✓	N/D
		420V	B&B		16,90	7,77	1,5	1,5	0,73	15,8	700	N/D	RJ
SPECIAL	X-RING	630VS	B&B		25,30	11,96	2,4	2,4	2,96	48,1	2050	OPTION	FJ
		520ERVT	G&G		18,70	10,16	1,8	2,0	1,46	37,5	3500	OPTION	FJ
		520ATV2	G&B		18,75	10,22	2,0	2,0	1,55	37,5	3500	OPTION	FJ
NZ	NON O-Ring	520DZ2	G&B	✓	17,65	10,16	2,0	2,0	1,40	36	410	OPTION	RJ
		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



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

# DID Europe srl

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## Maintenance

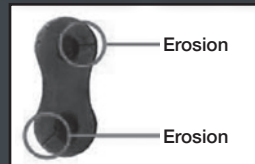
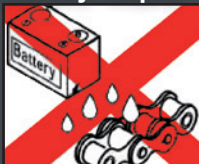
Every 500 km



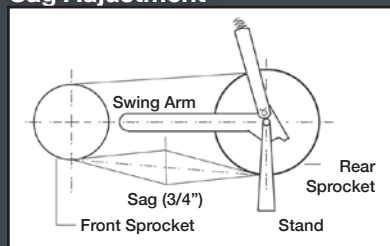
Place of Lubrication



## Battery Liquid / Antifreeze Materials



## Sag Adjustment

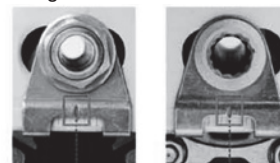


## Sprocket Allignment



Right side

Left side



Check the position

Watch Installation and Maintenance Videos on our YouTube Channel.

**D.I.D** Channel YouTube

