



TECHNICAL
PARTNER

D.I.D.[®]

POWERED by TECHNOLOGY

CATALOG 2023/24



THAT'S WHY I'M YOUR CHAIN



BEST RIDERS' CHOICE

D.I.D.[®]
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

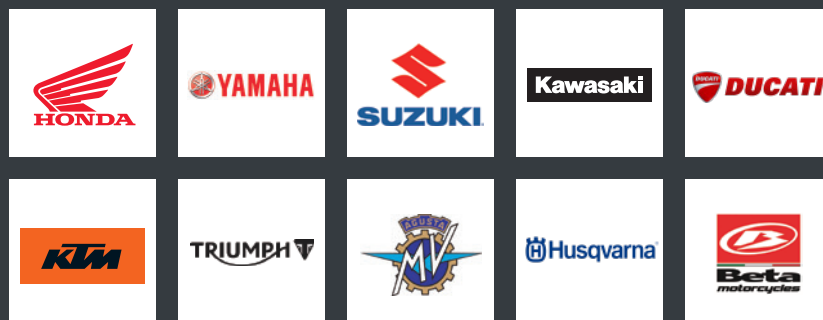
D.I.D brand drive chains and aluminum rims are all manufactured in Kaga, Ishikawa prefecture, Japan and supplied through motorcycle dealers worldwide. These top quality products are meticulously made by skilled technicians in order to provide outstanding performance for all riders. It is this focus on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

Valentino Rossi
D.I.D World Brand Ambassador

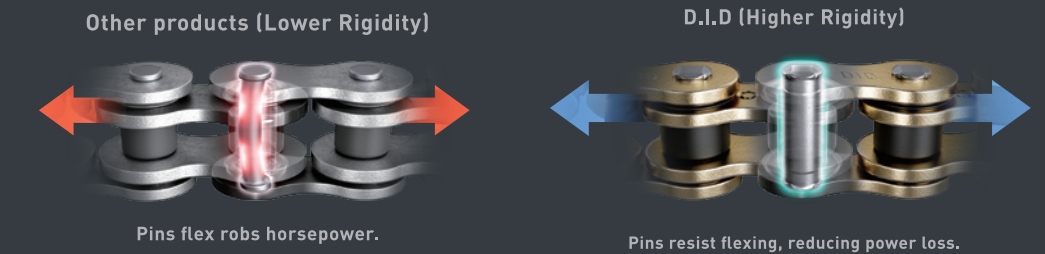
VR46



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.

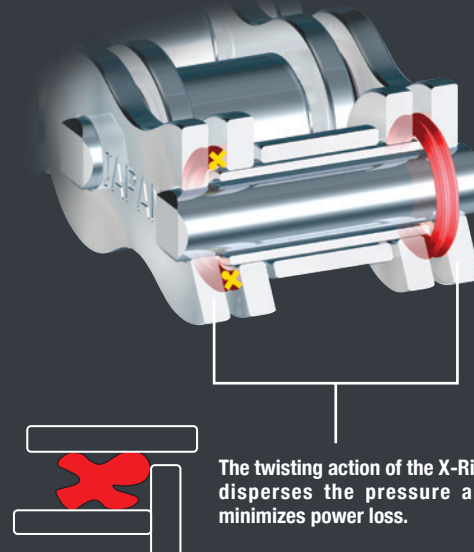
HALF THE POWER LOSS
(Compared with Normal
O-Ring)

Friction Performance



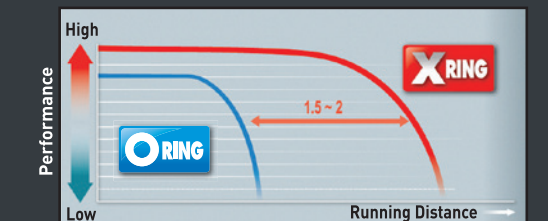
Low Friction ◀ Friction Performance ▶ High Friction

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



The twisting action of the X-Ring disperses the pressure and minimizes power loss.

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

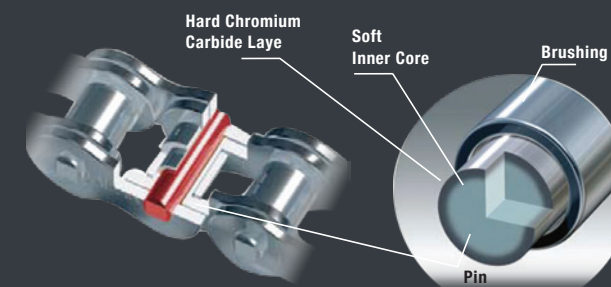


The X-Ring's four contact points greatly increase its sealing performance. This keeps the dirt out and the lubrication in much better than any other O-Ring type seal.

SDH PIN

Extreme Impact Pin Strength

SDH pin treatment creates extremely hard 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.



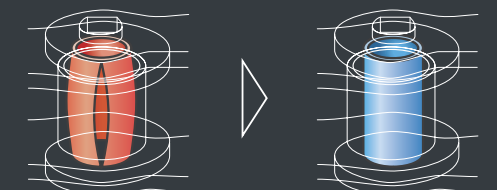
SOLID BUSH

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.

Curled bushing of a standard roller chain

Solid bushing for longer chain life



D.I.D.[®]
POWERED by TECHNOLOGY

Francesco Bagnaia



TECHNICAL
PARTNER

THAT'S WHY I'M YOUR CHAIN

Upgraded from DID 525VX

525VX₃



DIRECT

X RING

SOLID BUSH

Upgraded from DID 530VX

530VX₃



DIRECT

X RING

SOLID BUSH

DID

POWERED by TECHNOLOGY

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.

Red Bull

KTM

FACTORY RACING



Toby Price

SERIES

VX₃

DUCATI

CORSE

TECHNICAL PARTNER





GOLD

SILVER

STEEL

YAMAHA

OFFICIAL SPONSOR

MotorGP Team 2023



SERIES

ZVM-X₂

DUCATI

CORSE

TECHNICAL PARTNER





GOLD

SILVER

STEEL

BLACK

428 520 525 530

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.

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	

520 525 530

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

D.I.D.[®]
POWERED by TECHNOLOGY

Alvaro Bautista



TECHNICAL
PARTNER

THAT'S WHY I'M YOUR CHAIN

D.I.D.[®]
POWERED by TECHNOLOGY



VR46

Valentino Rossi
D.I.D. World Brand Ambassador

THAT'S WHY I'M YOUR CHAIN

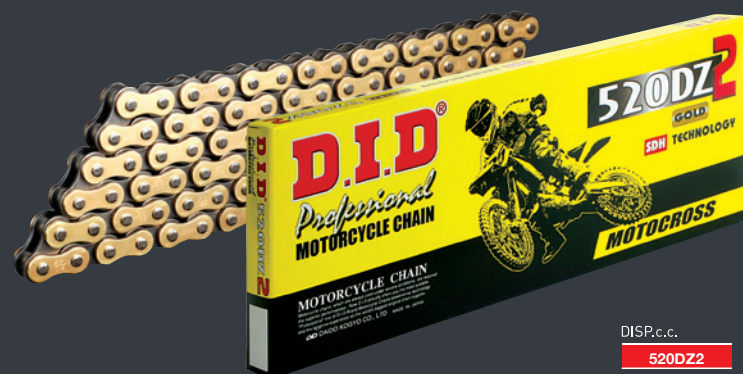
520DZ2

RACING

SDH PIN

SOLID BUSH

G&B



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

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.

Motocross

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

CHAIN	TYPE	WEIGHT (g/100L)	Tensile Strenght 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

D.I.D.
POWERED BY TECHNOLOGY

219 SERIES Wear Resistance Index

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



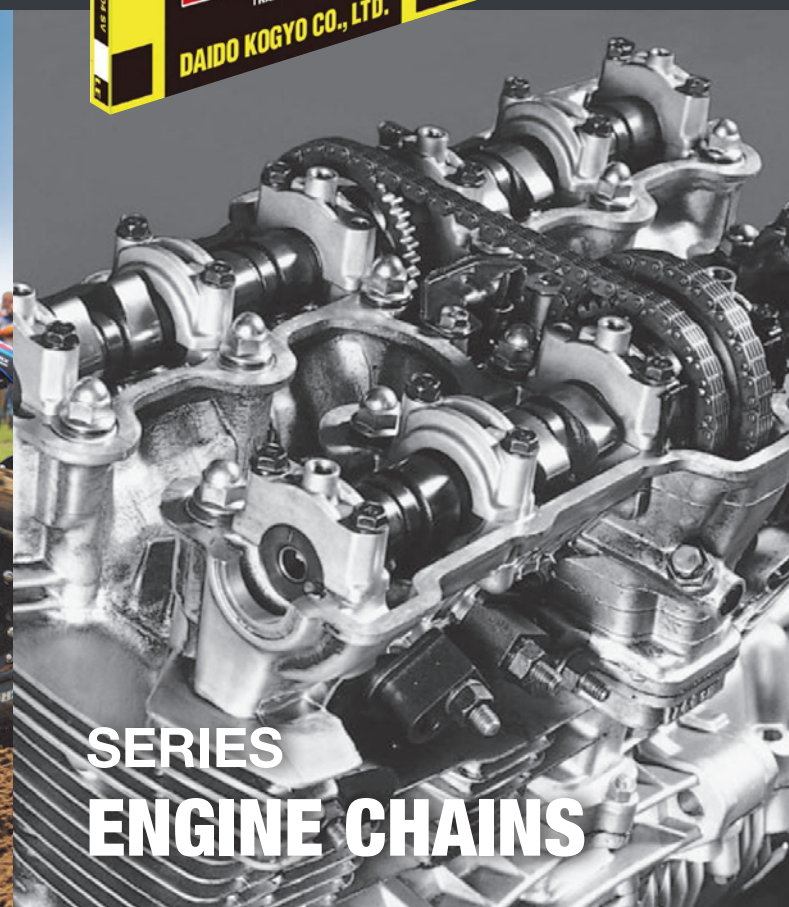
!
DON'T DO IT YOURSELF!
please ask a dealer to
change your motorcycle
or scooter engine chain



Romain Febvre



Off Road Racing



SERIES ENGINE CHAINS



SERIES KART CHAINS



520ATV2

X-RING

RACING

SOLID BUSH

G&B

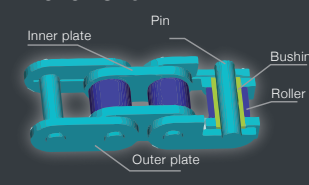
Special steel alloy is used to provide extra strenght required for Quad racing.

ATV Racing

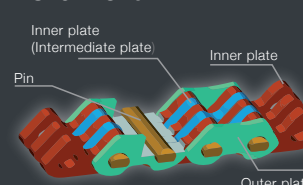
CHAIN	DISP. C.C.	MAIN FEATURE
520ATV2 G&B	max 750 cc	Low friction

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



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

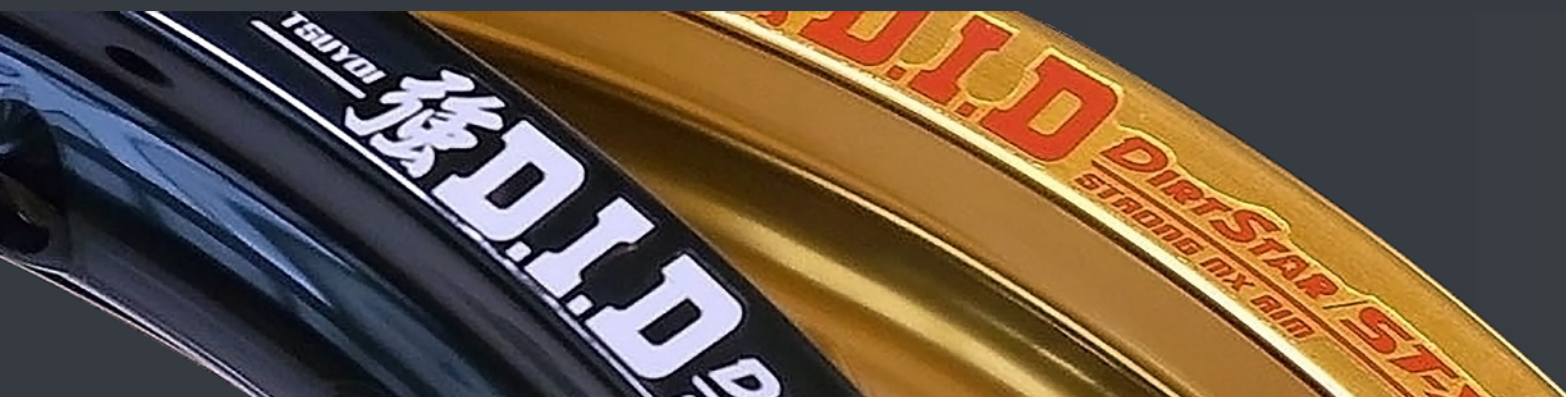


Red Bull
KTM
FACTORY RACING

Cooper Webb



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
for a complete application chart

EQUIPMENT AND APPLICATION

SPECIFICATIONS



D.I.D Chain Lube 300ml

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 300ml

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

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	Non O-Ring		TRIAL	Non O-Ring	
	420NZ3	50 - 250 cc		415ERZ G&G	50 - 250 cc
	428NZ	50 - 125 cc		520ERS3 G&G	125 - 250 cc
	520NZ	250 - 450 cc		X-Ring	
	X-Ring			428VX	50 - 350 cc
	420V O-ring	50 - 125 cc		520VX3	125 - 800 cc
	428VX	50 - 350 cc	MOTOCROSS	Non O-Ring	
	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		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
	520ERTV G&G	250 - 500 cc		X-Ring	
	520VX3	125 - 800 cc	SPRINT SUPERBIKE SUPERSPORT ENDURANCE	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	
 Non O-Ring	415ERZ	G&G	✓	13,50	7,77	1,5	1,5	0,66	20,2	410	Rivet (ZJ)	Clip (FJ/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	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
 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
	525VX3	B&B o G&B		21,80	10,32	2,2	2,2	1,84	44,3	4000	✓	OPZION FJ
 X-RING	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		24,80	11,10	2,4	2,4	2,20	43,4	3300	✓	N/D
	630VS	B&B		16,90	7,77	1,5	1,5	0,73	15,8	700	N/D	RJ
 X-RING	520VX3	B&B		25,30	11,96	2,4	2,4	2,96	48,1	2050	OPTION	FJ
	520ERTV	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
 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



RJ
Loose fit type Clip



FJ
Semi-press fit type Clip



ZJ
Semi-press fit type Rivet



LE
Endless/ Chain closed by manufacturer

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

DID Europe srl

VIA DEL FONDITORE, 16
40138 BOLOGNA - ITALY
TEL +39.051.531543
FAX +39.051.6014912
www.dideu.it
www.facebook.com/DIDEurope



Maintenance

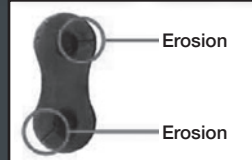
Every 500 km



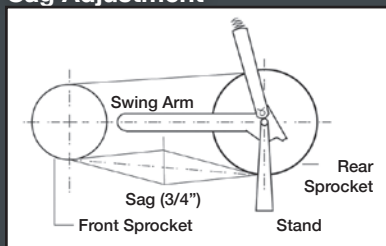
Place of Lubrication



Battery Liquid / Antifreeze Materials



Sag Adjustment

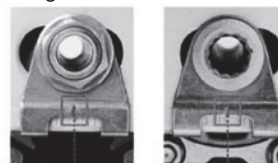


Sprocket Allignment



Right side

Left side



Check the position

Watch Installation and Maintenance Videos on our YouTube Channel.

D.I.D Channel YouTube

