

MOTORCYCLE
CHAIN & RIM CATALOG / 2020



D.I.D.[®]



POWERED BY TECHNOLOGY

WORLD'S #1 GENUINE PARTS MANUFACTURER

UNCOMPROMISED QUALITY POWERED BY TECHNOLOGY - SINCE 1933

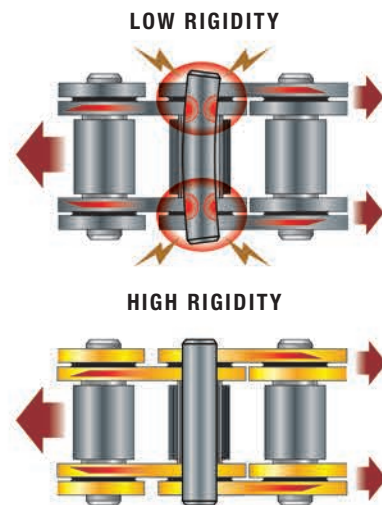
WORLDWIDE MANUFACTURES

D.I.D is the World's #1 original parts (OE) supplier for Japanese and European motorcycle manufacturers.



DIRECT

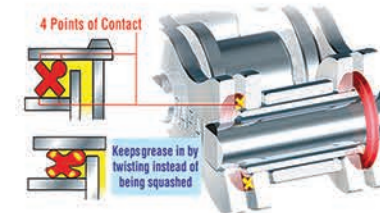
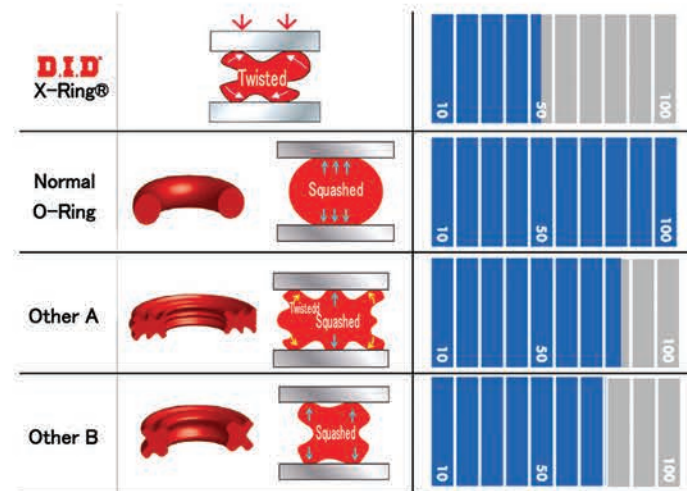
Rigidity is D.I.D's original concept born from years of experience in MotoGP development. Rigidity in a chain means resistance to chain deformation and elongation.



Pin flex robs your bike of its horsepower. The high rigidity of D.I.D pins means a quicker response, resistance from chain elongation, and smoother handling.

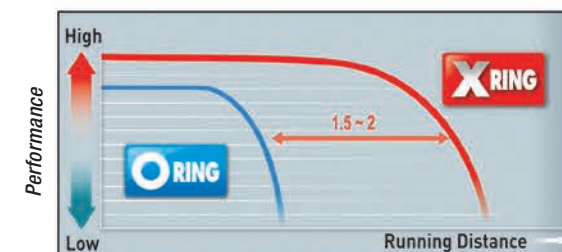
XRING

D.I.D's patented X-Ring is superior to other O-Ring designs. The X-Ring construction reduces friction by twisting between the side plate instead of being squashed. The graph below shows friction levels of the X-Ring compared to other seals.



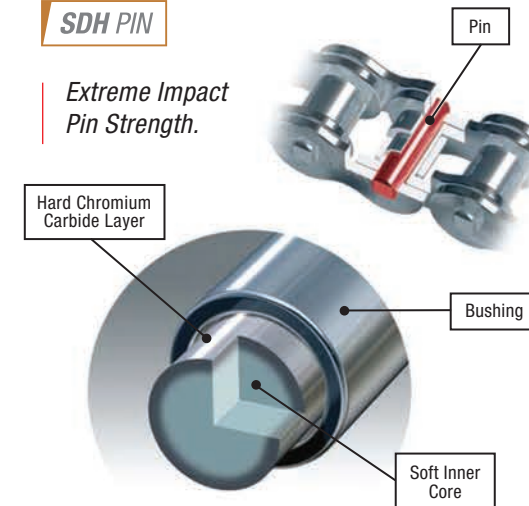
ADVANCED TECHNOLOGY

Chain elongation is caused by pin wear. D.I.D's patented X-Ring holds lubrication within the bushing increasing the pin and chain life by 1.5 - 2X.



SDH PIN

Extreme Impact Pin Strength.



SDH pin treatment creates an extremely hard chromium carbide layer on the pin's surface. The inner core remains soft to absorb shock loads.



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.

ZVM-X SERIES

VX SERIES

VO SERIES

FEEL THE FULL POWER OF HIGH PERFORMANCE MACHINES



AVAILABLE SIZE

520ZVM-X 1200cc
525ZVM-X 1300cc
530ZVM-X 1400cc

SUPERBIKE STRENGTH

D.I.D.'s ZVM-X Series has greater strength than the VX Series and is designed for heavyweight motorcycles with tremendous torque and horsepower.

LONGEST WEAR LIFE

The twisting action of the X-Ring® increases its sealing performance and its four contact points minimize power loss.

QUICKER RESPONSE

The ZVM-X Series' Direct Energy Transfer, born from our experience in MotoGP, means greater stretch resistance under load.

- DIRECT
- XRING
- RACING
- SOLID BUSH
- GOLD
- SILVER



AVAILABLE SIZE

428VX 350cc
520VX3 800cc
525VX3 1000cc
530VX3 1100cc

WIDE RANGE OF MOTORCYCLES

D.I.D.'s VX Series includes the 428VX, 520VX3, 525VX3, and 530VX3 chains to for numerous street and off road motorcycles from 350cc to 1100cc.

LONGER CHAIN LIFE

D.I.D.'s VX Series boasts a much longer chain life than the VO Series due to the patented X-Ring technology. The 520VX3 has a 32% longer chain life than the 520VO and the 525 and 530VX3 has a 41% longer chain life!

SMOOTHER HANDLING

D.I.D.'s VX Series has increased rigidity in order to reduce flex, so riders can ride smoother with confidence.

- DIRECT
- XRING
- SOLID BUSH
- GOLD



AVAILABLE SIZE

420V - 100cc
520VO - 750cc
525VO - 900cc
530VO - 1000cc

BEST ECONOMICAL VALUE

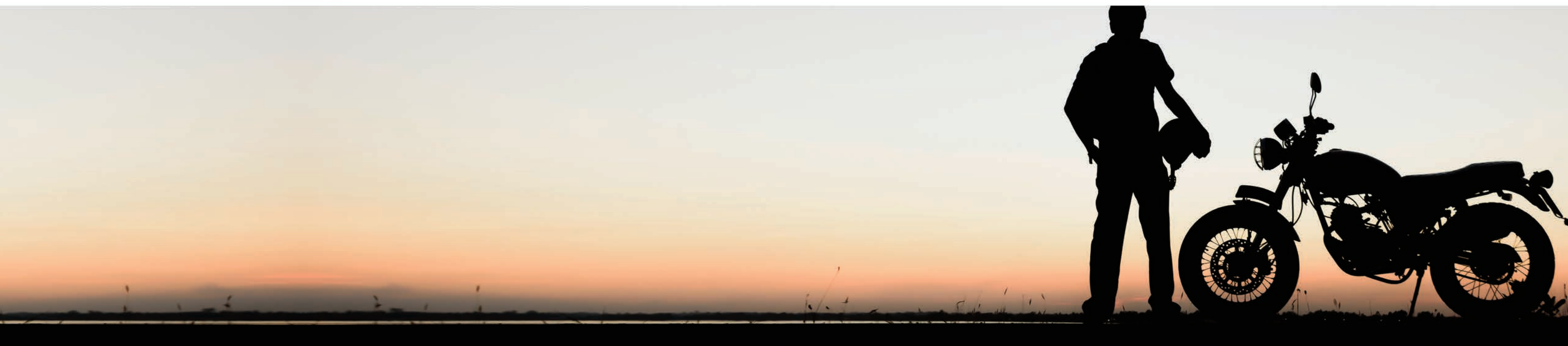
RIDE WITH D.I.D

Applicable for street and off-road bikes and ATV's up to 1000cc.

UNCOMPROMISED QUALITY

D.I.D.'s top quality O-Ring chains are quad stake riveted with solid bushings for superior strength and long chain life."

- DIRECT
- O-RING
- SOLID BUSH

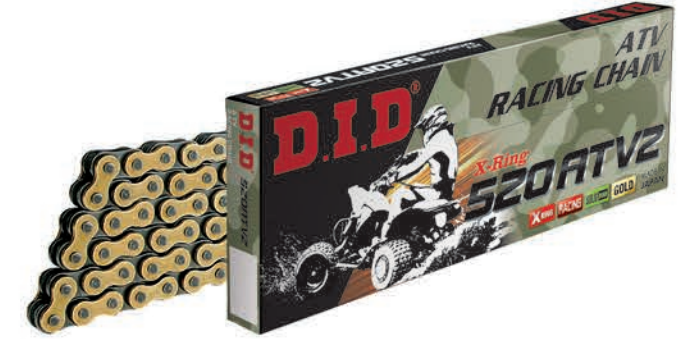


520ERV7

415ERZ

520ERV7

520ATV2



MOTOGP SPEC

D.I.D.'s 520ERV7 is the chosen chain of MotoGP, Superbike, and road racing teams alike.

UPGRADED FOR 2020

Upgraded from the 520ERV3, the 520ERV7 boasts a 3% higher tensile strength, a 13% longer chain life, and less friction due to X-Ring improvements.

ROAD RACING

Flagship model for street bikes and enduro riding.

- DIRECT
- XRING
- RACING
- SOLID BUSH
- GOLD

ROAD RACING

415ERZ is designed for the Moto3 Regulations that requires a higher performance chain.

MINI BIKE KING

Perfect for smaller bikes up to 250cc such as the KTM 50.

- HIGH RIGIDITY
- RACING
- SDH PIN
- SOLID BUSH
- GOLD

ENDURO BOSS

Upgraded from the 520VT2, the 520ERV7 is now 2% lighter and has a 15% longer lifespan, all while maintaining the same tensile strength.

ULTIMATE OFF-ROAD X-RING CHAIN

Born from our original motocross chain, the 520ERV7 now adds the benefits of an X-Ring. New off-road chain choice for the top AMA teams!

- XRING
- RACING
- SOLID BUSH
- GOLD

OPTIMAL ATV CHAIN

Steel alloy construction to minimize heat cracking in cold weather due to severe heating and cooling of the chain during competition.

FASTER & STRONGER

7% lighter, 10% stronger, and 8% longer chain life than the original ATV chain.

- XRING
- RACING
- SOLID BUSH
- GOLD



520ERT3



THE CUTTING EDGE

With uncompromisable strength, the 520ERT3 has 25% greater anti-shock performance and a 5% higher tensile strength than the previous generation chain without any added weight.

CHAIN OF CHOICE FOR THE TOP AMA TEAMS!

The 520ERT3 is our lightest motocross racing chain used by AMA factory teams such as KTM, Yamaha, and Kawasaki.

RACING

SDH PIN

SOLID BUSH

GOLD

520MX



MOTOCROSS MONSTER

The 520MX chain has the highest rating tensile strength in our ER lineup making it optimal for off-road racing.

TOUGHEST OFFROAD CHAIN

This super strong chain is the one you can depend on to handle toughest race.

RACING

SDH PIN

SOLID BUSH

GOLD

520DZ2



GREAT VALUE / HIGH PERFORMANCE

The 520DZ2 is budget-friendly, high-performance racing chain designed specifically with local motocross champions in mind.

LONGER CHAIN LIFE

Designed to meet demand of even the most grueling MX tracks with SDH technology which leads to longer chain life.

RACING

SDH PIN

SOLID BUSH

GOLD

NZ SERIES



AVAILABLE SIZE	
420NZ3	150cc
428NZ	100cc
520NZ	250cc
525NZ	400cc
530NZ	750cc

MADE FOR FUTURE CHAMPIONS

Made for future champions, the NZ series includes premium chains specifically for mini bike racing.

RACING

SDH PIN

SOLID BUSH

GOLD



DIRTSTAR®

CHAIN & SPROCKET KITS

STRONGER THAN OE RIMS

All DirtStar® rims are made from 7-series aluminum alloy, which make them stronger than stock (OE) rims.

EASY TO LACE UP

All DirtStar® rims are designed to be compatible with OE hubs, spokes and nipples.

ORIGINAL SERIES

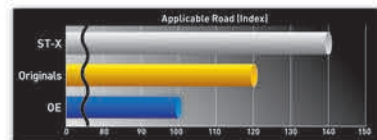
GREAT VALUE!

20% stronger than OE rims making these a great upgrade

ST-X SERIES

MOTOCROSS MUST-HAVES

40% stronger than OE rims and the go-to choice for AMA race teams.



Changing/upgrading your bike's drive system just became so easy, eliminating the guess-work in part numbers and fitments. Each kit contains high-quality steel JT Sprockets and a D.I.D chain to directly fit your bike. Changing your chain and sprockets at the same time are recommended to help reduce unnecessary wear.



STREET KIT

ZVM-X Super Street or VX Pro-Street X-Ring Chain

+
JT Sprocket, high carbon steel rear and chromemoly steel countershaft sprocket designed to replace your stock OE gearing or one tooth over/under.

DIRECT

XRING

SOLID BUSH

GOLD



OFF-ROAD KIT

520DZ2 motocross chain or 520VX3* X-Ring chain

+
JT Sprocket, high carbon steel rear and chromemoly steel counter-shaft sprocket designed to replace your stock OE gearing or one tooth over/under.

DIRECT

XRING

SOLID BUSH

GOLD

CATEGORY	Disp.(c.c.)	100	125	250	350	400	500	750	800	900	1000	1100	1200	1300	1400	
STREET & SUPERSPORT	428VX	[Red bar]														
	520V0	[Red bar]														
	525V0	[Red bar]														
	530V0	[Red bar]														
	520VX3	[Red bar]														
	525VX3	[Red bar]														
	530VX3	[Red bar]														
	520ZVM-X	[Red bar]														
	525ZVM-X	[Red bar]														
530ZVM-X	[Red bar]															
ROAD RACING & SUPERBIKE	415ERZ	[Red bar] (Mini Road Racing Bikes and Moto3)														
	520ERS3	[Red bar]														
	520ERV7	[Red bar] For Race use only														
SUPERCROSS & MOTOCROSS	415ERZ	[Red bar]														
	420NZ3	[Red bar]														
	428NZ	[Red bar]														
	520DZ2	[Red bar]														
	520ERT3	[Red bar]														
	520MX	[Red bar]														
DUAL PURPOSE & ADVENTURE	428VX	[Red bar]														
	520VX3	[Red bar]														
	525VX3	[Red bar]														
	530VX3	[Red bar]														
	520ZVM-X	[Red bar]														
	525ZVM-X	[Red bar]														
530ZVM-X	[Red bar]															
TRIAL	520ERS3	[Red bar]														
RALLY & ENDURO	520ERT	[Red bar]														
	520VX3	[Red bar]														
	520ERV7	[Red bar]														
ATV	428VX	[Red bar]														
	520V0	[Red bar]														
	525V0	[Red bar]														
	520VX3	[Red bar]														
	520ATV2	[Red bar]														

The above displacement chart is for reference only; displacement limitations may vary from model to model. Displacement guidelines are **NOT** applicable for converted (modified) motorcycles, chain conversions from Original Equipment Manufacturer's specifications, or racing motorcycles. If your stock motorcycle cam with an "endless" chain, a replacement chain must be installed with a river type master link.

Please check the application chart on the D.I.D website.

*Master links are NOT interchangeable between old and new chain models.



The D.I.D KM500R tool is a unique 3-in-1 tool with the ability to cut your chain, press-fit connecting link side plates, as well as rivet the pin head.

The design of the KM500R tool does not allow over-riveting and should only be used for D.I.D's ZJ rivet style master links, as well as the FJ press-fit clip style master links.

This tool may be used to cut any 520, 525, 530, or 532 sized chains.

Chain	Category	Pin Length (inches)	Pin Dia. (inches)	Plate Thickness		Weight/100L (lbs)	Tensile Strength (lbs)	Seal	Chain Life Index	Master Link			Max CC
				IN	OUT					ZJ	FJ	RJ	
Exclusive Racing Chains													
415ERZ	Mini MX	0.531	0.156	1.5	1.5	1.45	4,540	N/A	410	Option	NA	Included	250
420NZ3	Mini MX	0.659	0.156	1.8	1.8	1.18	4,930	N/A	410	N/A	Option	Included	150
428NZ	Mini MX	0.744	0.177	2	2	2.2	5,740	N/A	410	Option	Included	N/A	100
520ERS3	Trial	0.659	0.206	1.8	1.8	2.59	5,800	N/A	410	Option	N/A	Included	250
520ERT3	Motocross	0.693	0.21	2	2	2.99	8,300	N/A	410	Option	N/A	Included	450
520MX	Motocross	0.732	0.21	2.2	2.2	3.43	8,930	N/A	410	Option	N/A	Included	500
520DZ2	Motocross	0.695	0.206	2	2	3.08	7,870	N/A	410	Option	N/A	Included	450
520ERV7	Enduro	0.736	0.206	1.8	2	3.22	8,440	X	3,500	Option	Included	N/A	500
520ATV2	ATV	0.738	0.206	2	2	3.42	8,430	X	3,250	Option	Included	N/A	750
520ERV7	Baja / Super Sport	0.752	0.217	2	2	3.41	8,800	X	3,500	Included	N/A	N/A	1,000
Super X-Ring Chains													
520ZVM-X	Street	0.83	0.206	2.2	2.2	3.59	8,745	X	3,500	Included	N/A	N/A	1,200
525ZVM-X	Street	0.913	0.217	2.4	2.6	4.65	10,408	X	4,000	Included	N/A	N/A	1,300
530ZVM-X	Street	0.98	0.217	2.4	2.6	4.85	10,408	X	4,000	Included	N/A	N/A	1,400
Pro X-Ring Chains													
428VX	Street / ATV	0.813	0.197	2	2	2.66	7,420	X	2,700	Option	Included	N/A	350
520VX3	Street / ATV	0.736	0.206	2	2	3.35	8,210	X	3,500	Option	Included	N/A	800
525VX3	Street	0.866	0.217	2.2	2.2	4.09	9,980	X	4,000	Included	Option	N/A	1,000
530VX3	Street	0.931	0.217	2.2	2.2	4.29	9,980	X	4,000	Included	N/A	N/A	1,100
Standard O-Ring Chains													
420V	Commuter	0.665	0.156	1.5	1.5	1.6	3,560	O	700	Option	N/A	Included	100
520VO	Street / ATV	0.795	0.2	2	2	3.31	8,000	O	2,350	Option	Included	N/A	750
525VO	Vintage Bikes	0.886	0.205	2.2	2.2	3.88	9,220	O	2,500	Included	Option	N/A	900
530VO	Street / ATV	0.963	0.217	2.2	2.4	4.39	9,220	O	2,500	Included	N/A	N/A	1,000
630V	Street / ATV	0.996	0.235	2.4	2.4	6.52	10,820	O	2,050	[XJ]	Included	N/A	1,200
Super Non-O-Ring Chains													
520NZ	Vintage Bikes	0.722	0.206	2.2	2.2	3.54	8,050	N/A	410	Option	Included	N/A	250
525NZ	Vintage Bikes	0.811	0.206	2.4	2.4	3.99	8,820	N/A	410	Option	Included	N/A	400
530NZ	Vintage Bikes	0.888	0.206	2.4	2.4	4.07	8,600	N/A	410	Option	Included	N/A	750
Standard Non-O-Ring Chains													
420D	Small Bikes	0.581	0.156	1.5	1.5	1.54	3,970	N/A	100	N/A	N/A	Included	80
428D	Small Bikes	0.657	0.177	1.5	1.5	1.84	4,230	N/A	100	N/A	N/A	Included	125
428HD	Small Bikes	0.744	0.177	2	2	2.2	5,250	N/A	100	N/A	N/A	Included	125
520	Small Bikes	0.689	0.2	2	2	3.12	6,700	N/A	100	N/A	N/A	Included	250
525	Small Bikes	0.732	0.2	2	2	3.28	6,930	N/A	100	N/A	N/A	Included	400
530	Small Bikes	0.799	0.2	2	2	3.71	6,930	N/A	100	N/A	N/A	Included	400

Riveting FLARE DIMENSIONS

RJ		Safely Clip and Loose-fit Type Mainly for non-O-Ring chain for small size motorcycles. You don't need any special tools	
		Safely Clip and Press-fit Type For O/X-Ring chain for middle size motorcycles. You need a tool to press-fit outer plate	
ZJ		Rivet and Press-fit Type For O/X-Ring chain for large size motorcycles. You need a tool to press-fit outer plate and rivet pins	

520 size		525 size		530 size	
520VO	0.213" to 0.220"	525NZ	0.217" to 0.228"	530NZ	0.217" to 0.228"
520ATV2		525VO	0.217" to 0.228"	530VO	0.217" to 0.228"
520DZ2		525VM2	0.217" to 0.228"	530VX3	0.224" to 0.236"
520ERT3		525VX3	0.224" to 0.236"	530ZVM-X	0.224" to 0.236"
520ERV7		525VX3	0.217" to 0.228"		
520MX		525ZVM-X	0.224" to 0.236"		
520NZ	0.217" to 0.228"				
520ERV7					
520VX3					
520ZVM-X					

