

JT DRIVE CHAIN

TECHNICAL SPECIFICATION



EXPERT SERIES X-RING DRIVE CHAIN

Z3 Super Heavy Duty X-Ring Chain

X1R Heavy Duty X-Ring Chain

HPO High Performance O-Ring Chain



Chain	Roller Diameter	Pin Length	Plate Thickness		Weight per 100 links	Avg. Tensile Strength	Pin Riveting	Solid Bush	X-Ring Seal	Available Connecting Link	
			Inner	Outer						Standard	Optional
	mm	mm	mm	mm	kg	kgf (kN)	—	—	—		
520 Z3	10.32	21.40	2.2	2.4	1.87	4240 (41.6)	4	✓	✓	RL	—
525 Z3	10.32	23.70	2.4	2.6	2.10	4690 (46.0)	4	✓	✓	RL	—
530 Z3	10.32	25.30	2.4	2.6	2.19	4690 (46.0)	4	✓	✓	RL	—
428 X1R	8.50	20.80	2.0	2.0	1.12	2800 (27.5)	4	✓	✓	SL	—
520 X1R	10.22	20.30	2.0	2.0	1.55	3700 (36.3)	4	✓	✓	DL	RL/SL
520 X1R ₃	10.22	20.30	2.2	2.0	1.73	4050 (39.7)	4	✓	✓	DL	RL/SL
525 X1R ₃	10.22	22.60	2.4	2.2	2.03	4200 (41.2)	4	✓	✓	RL	SL
530 X1R	10.22	24.90	2.4	2.4	2.08	4200 (41.2)	4	✓	✓	RL	SL
428HPO	8.50	20.00	1.7	1.7	1.11	2250 (22.1)	4	✓	O-Ring	SL	—

RACE SERIES COMPETITION DRIVE CHAIN

HDS Ultimate Competition Chain

HDR Super Competition Chain



Chain	Roller Diameter	Pin Length	Plate Thickness		Weight per 100 links	Avg. Tensile Strength	Pin Riveting	Solid Bush	X-Ring Seal	Available Connecting Link	
			Inner	Outer						Standard	Optional
	mm	mm	mm	mm	kg	kgf (kN)	—	—	—		
520 HDS	10.22	18.60	2.2	2.2	1.55	4020 (39.4)	4	✓	—	SL	RL
520 HDR	10.22	17.80	2.0	2.0	1.47	3700 (36.3)	4	✓	—	SL	RL

HEAVY DUTY DRIVE CHAIN

Chain	Roller Diameter	Pin Length	Plate Thickness		Weight per 100 links	Avg. Tensile Strength	Pin Riveting	Solid Bush	X-Ring Seal	Available Connecting Link	
			Inner	Outer						Standard	Optional
	mm	mm	mm	mm	kg	kgf (kN)	—	—	—		
420 HDR	7.77	15.05	1.6	1.6	0.74	2000 (19.6)	2	✓	—	SL	—
428 HDR	8.50	18.30	2.0	2.0	0.97	2500 (24.5)	2	✓	—	SL	—

Pin Riveting



Pressed four times for an extra strong rivet that resists powerful lateral forces on the outer plate

Solid Bush

Solid bushes provide enhanced resistance to distortion from repetitive shock loading

Riveted Bush

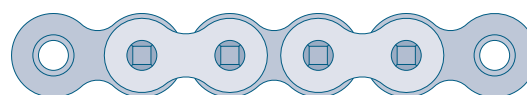
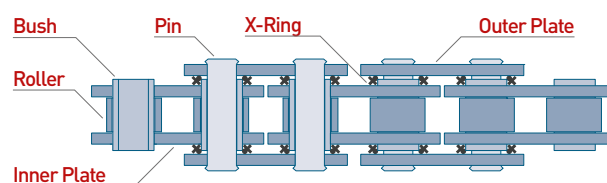
All 520 HDR/HDS/X1R/X1R2/X1R3 have riveted bushes that resist powerful lateral forces on the inner plate

X-Ring Seal

X-Ring seals offer better sealing than the conventional O-Ring and produce far less friction. All Z3 and X1R chains are equipped with X-Rings

Connecting Link Reference

SL Spring/Clip Link **RL** Rivet Link **DL** Dual Link (contains both link types)





MAXIMUM DURABILITY

With our leading edge technology and using only the highest grade of special steel alloys, we produce a full range of superior quality motorcycle chains. The specifications of the JT advanced power transfer chains meet or exceed the requirements of all modern motorcycles, street, MX, enduro, off road and ATV.

Z3 SUPER HEAVY DUTY X-RING

Engineered for ultimate strength, offering high performance for all modern superbikes

Chain	Street/Dual Purpose	Motocross	ATV
530 Z3	up to 1400 cc	–	–
525 Z3	up to 1400 cc	–	–
520 Z3	up to 1000 cc	–	–



X1R3 HEAVY DUTY X-RING

A highly durable X-Ring chain for road and off-road applications

Chain	Street/Dual Purpose	Motocross	ATV
530 X1R	up to 900 cc / 130 bhp (97 kW)	–	–
525 X1R3	up to 900 cc / 130 bhp (97 kW)	–	–
520 X1R3	up to 800 cc / 110 bhp (90 kW)	–	200 to 600 cc
428 X1R	up to 250 cc	up to 200 cc	up to 200 cc

• 428 X1R only in Black Steel



X1R ULTRA LIGHTWEIGHT X-RING

A highly durable, very lightweight, low friction X-Ring chain for off-road applications

Chain	Street/Dual Purpose	Motocross	ATV
520 X1R	–	200 to 600 cc	up to 200 cc



HPO HIGH PERFORMANCE O-RING

Chain	Street/Dual Purpose	Motocross	ATV
428 HPO	up to 200 cc	up to 150 cc	up to 150 cc



HDR/HDS HEAVY DUTY

Chain	Street/Dual Purpose	Motocross	ATV
520 HDS	up to 350 cc	up to 500 cc	up to 500 cc
520 HDR	up to 200 cc	up to 350 cc	up to 350 cc
428 HDR	up to 200 cc	up to 150 cc	up to 150 cc
420 HDR	up to 150 cc	up to 150 cc	up to 150 cc



• 520 HDS also in All Silver
*Riveted inner plates 520 HDS and 520 HDR only

