



# POWERTRANSFER<sup>®</sup> MOTORCYCLE CHAIN

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.



## ROAD & DUAL PURPOSE APPLICATION CHART

		150cc 200cc 250cc 350cc 500cc 600cc 750cc 800cc 900cc 1000cc 1200cc											
<b>Z3</b>	X-Ring	520	[Red bar from 500cc to 1000cc]										
		525	[Red bar from 500cc to 1200cc]										
		530	[Red bar from 500cc to 1200cc]										
<b>X1R<sub>2</sub></b>	X-Ring	520	Up to maximum 110 bhp (82 kW)										
<b>X1R</b>	X-Ring	525	Up to maximum 120 bhp (90 kW)										
		530	Up to maximum 130 bhp (97 kW)										
<b>HDS</b>		520	[Red bar from 150cc to 350cc]										
<b>HDR</b>		520	[Red bar from 150cc to 200cc]										
<b>X1R</b>	X-Ring	428	[Red bar from 150cc to 250cc]										
<b>HDR</b>		420	[Red bar from 150cc to 150cc]										
<b>HDR</b>		428	[Red bar from 150cc to 200cc]										

## MOTOCROSS APPLICATION CHART

		150cc 200cc 250cc 350cc 500cc 600cc 750cc 900cc 1200cc											
<b>X1R</b>	X-Ring	520	[Red bar from 200cc to 600cc]										
<b>HDS</b>		520	[Red bar from 150cc to 500cc]										
<b>HDR</b>		520	[Red bar from 150cc to 350cc]										
<b>X1R</b>	X-Ring	428	[Red bar from 150cc to 200cc]										
<b>HDR</b>		420	[Red bar from 150cc to 150cc]										
<b>HDR</b>		428	[Red bar from 150cc to 150cc]										

## ATV APPLICATION CHART

		150cc 200cc 250cc 350cc 500cc 600cc 750cc 900cc 1200cc											
<b>X1R<sub>2</sub></b>	X-Ring	520	[Red bar from 200cc to 600cc]										
<b>HDS</b>		520	[Red bar from 150cc to 500cc]										
<b>HDR</b>		520	[Red bar from 150cc to 350cc]										
<b>X1R</b>	X-Ring	428	[Red bar from 150cc to 200cc]										
<b>HDR</b>		420	[Red bar from 150cc to 150cc]										
<b>HDR</b>		428	[Red bar from 150cc to 150cc]										

BHP/CC application charts are for reference only – to ensure correct chain selection, follow the vehicle manufacturer's recommendations

# JT DRIVE CHAIN

## TECHNICAL SPECIFICATION



### EXPERT SERIES X-RING DRIVE CHAIN

Z3 Super Heavy Duty X-Ring Chain  
X1R Heavy Duty X-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 <sub>2</sub>	10.22	20.30	2.0	2.0	1.67	3900 (38.2)	4	✓	✓	DL	RL/SL
525 X1R	10.22	22.60	2.2	2.2	1.87	4050 (39.7)	4	✓	✓	RL	SL
530 X1R	10.22	24.90	2.4	2.4	2.08	4200 (41.2)	4	✓	✓	RL	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** 4 2

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/X1R<sub>2</sub> 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 sealed JT chains are equipped with X-Rings

Some types of chain are also available in Nickel & Nickel and Gold & Black

#### Connecting Link Reference

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

