

JT DRIVE CHAIN

TECHNICAL SPECIFICATION



EXPERT SERIES X-RING DRIVE CHAIN

Z3 Super Heavy Duty X-Ring Chain

X1R Heavy Duty X-Ring Chain

HRO Heavy Duty 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
428HRO	8.50	20.10	2.0	1.85	1.10	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)

