D.I.D British Standard X-Ring Roller Chain Ultimate Life Chain Series

【DID 08BLX,50LX［10BLX］,12BLX,16BLX】

Oil Reservoir

TWISTED

X-RING

Oil Reservoir

Special Grease

O-Ring → X-Ring

FRICTION CHART

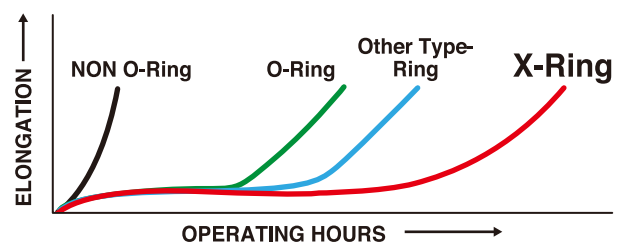FRICTION

100

50

Squashed

Twisted

O-Ring
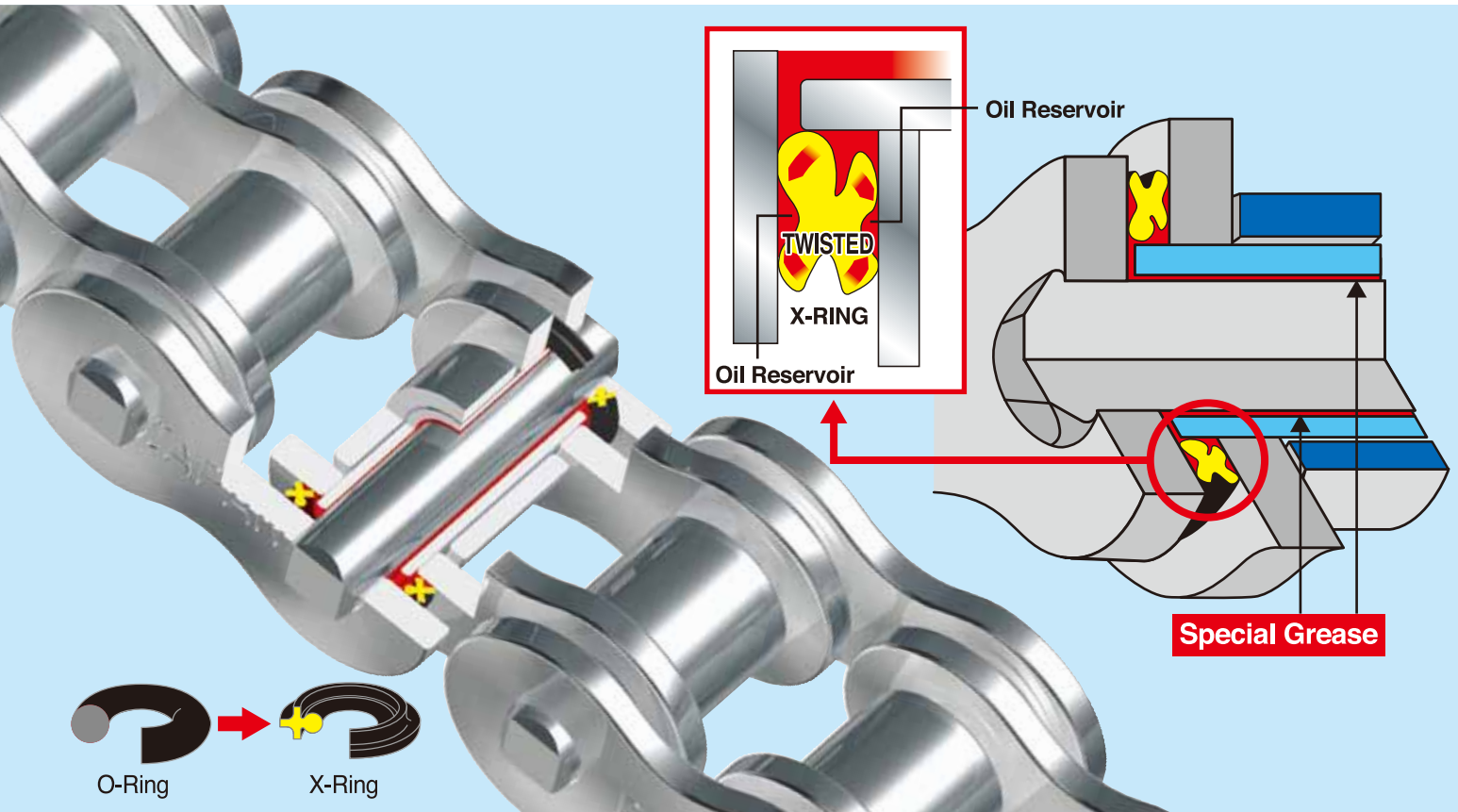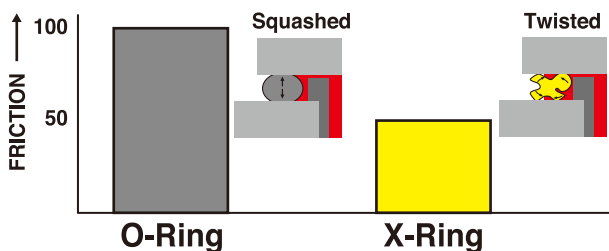
X-Ring

- **Lowest in Friction**
  DID's X-ring construction reduce friction drasti-cally by twisting the ring between side plates.

- **Less Vibration**
- **Reducing Noise**

WEAR RESISTANCE CHART

ELONGATION

NON O-Ring

O-Ring

Other Type-Ring

X-Ring

OPERATING HOURS

- **Longest Chain Life Ever!**
  Patented X-ring's outstanding grease sealing performance double the wear life compared to conventional sintered bushing chain.

- **Great Cost Saving**
  Saving in operational and maintenance costs by increasing chain life.

Dirty Environment

Maintenance-Free

Dusty

Allowable Load 100%

Temperature Range in Use -10～80℃

FOOD PACK TEXTILE PRINT CONVEYOR HOME APPLIANCE

DAIDO KOGYO CO.,LTD.

NEW TECH ULTIMATE LIFE CHAIN SERIES

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Dirty Environment | Maintenance-Free | Dusty | Allowable Load 100% | Temperature Range in Use -10～80℃

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Available Sizes

Chain Size
#08B,#10B(#50),#12B & #16B
Size 50LX can be used as substitute for 10BLX
Seal Ring Type
X-Ring

Connecting Links & Offset Links

Connecting links
Clearance fit/ Semi-Press fit Clip type
Offset Links
2 Pitch Offset Link only

Surface Treatment

Can be Nickel Plated.

Sprocket

Single strand chain can be used on standard sprocket however multi-strands chain cannot be used on standard sprockets.
Sprocket with an extremely small number of teeth may not be applicable. Please contact us for detail.
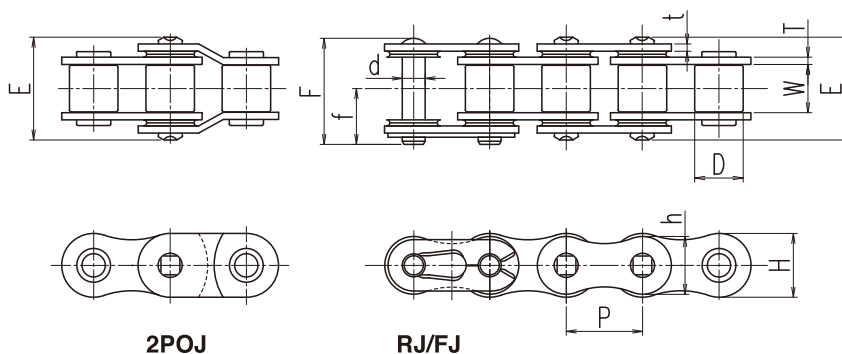
Caution

Do not use seal chain in application where solvents or other substances may attack the X-Ring seal.

Chain No. and Dimension

Standard Connecting Links

Chain No.	Connecting Link		Offset Link
	Clearance fit	Interference fit	
DID 08BLX	RJ	FJ	2P OJ (2 pitch style only)
DID 50LX〔10BLX〕	RJ	FJ	
DID 12BLX	RJ	FJ	
DID 16BLX	RJ	FJ	

2POJ   RJ/FJ

Chain

Chain No.	Pitch	Inner link Inner width	Roller dia.	Pin				Plate				Min. Tensile strength	Max. allowable load	Approx. weight
	P	W	D	d	E	F	f	T	t	H	h	kN	kN	(kg/m)
DID 08BLX	12.7	7.75	8.51	4.45	18.75	19.55	10.28	1.5	1.5	11.9	10.4	17.20	3.92	0.76
DID 50LX〔10BLX〕	15.875	9.53	10.16	5.09	23.4	23.90	12.8	2.0	2.0	15.0	13.0	24.51	6.86	1.08
DID 12BLX	19.05	11.68	12.07	5.72	25.80	26.60	14.10	1.8	1.8	16.1	14.6	28.90	5.58	1.42
DID 16BLX	25.40	17.02	15.88	8.29	39.00	39.95	20.53	4.0	3.2	21.0	21.0	60.80	12.80	2.96

※E of 16BLX 2POJ is 40.6.
※50LX and 10BLX can be used on same sprockets.

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