



# *Tsubaki Chain...*

## *Super Sport Series*



**TSUBAKI**  
MOTORCYCLE CHAIN

*world's no.1 chainmaker*

# ...never ending purs

## RACING PRO

This exclusive chain is developed for racing applications. Special pin treatment, weight and ULTRA low friction of the TX4-PLUS SEALED RINGS are features that creates a superior chain, which will benefit you on the race tracks all over the world.

"Plus-points in seconds"



## ALPHA ORS

Key issues of this O-ring chain are safety and low maintenance. This quality product therefore suits a large range of motor cycles. Of course the current Alpha series provides you with a high mileage. Due to the super-seal O-rings surrounded by shouldered and projected bushings, this longer wear life is expected. High viscosity grease is vacuum injected internally to dissipate heat and shock load.

It is a pleasure to drive!

## ALPHA XRG

### Low maintenance & friction

This newly developed chain (2004) has gold coloured outer link plates for an attractive appearance and TX4 (low friction) SEALED RINGS which result into smooth accumulation and substantial reduction of power loss. This chain is therefore ideal for the current generation of Sports Bikes.



## CHAIN KIT

Tsubaki Chain Kit is especially selected for your bike, based on the most suitable chain and sprocket (C45). The combination of highly accurate products results in a maximum life span of your bike's transmission. On some occasions Tsubaki offers you also an alternative for a maximum value and durability against more competitive prices.



# Quit for improvement

## Chain features:

- High technology
- Superior performance
- Attractive appearance

**TSUBAKI** MADE IN JAPAN



**SIGMA** ORIS

Low maintenance

As this O-ring chain is manufactured with high technology and based on long experience, we bring you a chain that simply has no equal. This heavy duty chain is ideal for the current generation of Motorcycles with high power rating. When this chain reaches the operational temperature it is running smoothly and has less articulation friction.

**SIGMA** X-RING

Low maintenance & friction

This number 1 chain of Tsubaki has gold coloured outer link plates and TX4 (low friction) SEALED RINGS which result into smooth accumulation and substantial reduction of power loss. This chain is therefore ideal for the current generation of Super Bikes with high power ratings. Tsubaki's futuristic technology and the best materials available have resulted in a product that represents the culmination of "Super" high performance.

## HISTORY

For over eighty years, Tsubaki has been devoted to improving the quality of roller chain, and in so doing has become the world's leading manufacturer of chain products. The company now supplies chain in a huge variety of types, sizes and materials to meet diverse demands in a wide range of applications and maintains a longstanding reputation for quality and reliability around the world. From our European motorcycle division, based in Rotterdam – Holland, we will market and develop superior motorcycle chain products which will answer customers (drivers) needs and our tradition of excellence is in line with the technology of the 21st century. No one knows exactly when the idea for roller chain was first conceived, although the brilliant 15th century inventor Leonardo da Vinci produced a series of sketches illustrating basic-chain. Some of these drawings closely resemble the actual form of modern day roller chain. However, it wasn't until the late 19th century, when it was adopted for use in the drive mechanism of bicycles, that roller chain was manufactured on a large scale. And now, despite the fact that it has been in widespread use for the more than one hundred years since then, the basic form of roller chain has changed very little, a magnificent, testimony to the effectiveness of its original design.

## PRACTICAL TIPS

- Never use degreaser, petrol or other volatile materials for cleaning
- Lubricate the chain every 300-500 kms with O-ring safe chain lube
- Lubricate the chain when it is still slightly warm (after riding)
- Replace the chain when an O-ring is missing
- New chain: also replace the sprockets
- Always use a pin link
- Use special chain tools
- Check the chain regularly
- Ask for professional advice



Tsubaki Motorcycle Department

Phone +31 (0)10-4941888 • Fax +31 (0)10-4299901 • info@tsubaki-rider.com

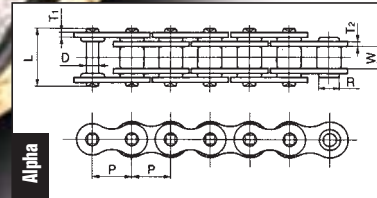
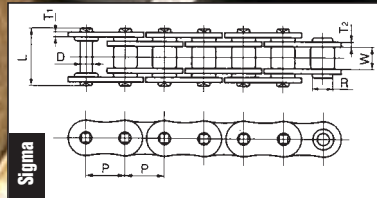
For installation and maintenance please consult your local dealer. We also refer to the backside of our chain boxes. TSUBAKI chain made in Japan

	TSUBAKI CHAIN No.	Pitch P	Roller Dia. R	Inner Links inner Width W (Min)	Pin Dia D	Pin Link Plate Thickness T1	Pin Link Plate Thickness T2	Pin Length L	Avg. Tensile Strength KN	Weight kg/m
Sigma XRG-ORS	520	15,875	10,22	6,53	5,40	2,40	2,40	21,95	39,2	1,31
	525	15,875	10,22	7,94	5,40	2,40	2,40	23,25	42,2	1,36
	530	15,875	10,22	9,53	5,40	2,40	2,40	24,80	45,1	1,44
Alpha XRG-ORS	428	12,70	8,50	7,94	4,44	1,80	1,80	20,10	23,6	0,83
	520	15,875	10,22	6,35	5,23	2,00	2,00	21,25	35,3	0,98
	525	15,875	10,22	7,94	5,23	2,20	2,20	22,55	35,3	1,11
	530	15,875	10,22	9,53	5,23	2,40	2,40	24,90	42,2	1,30
Racing Pro	520	15,875	10,22	6,35	5,23	2,00	2,00	20,25	36,3	0,99

**Expected Chain lifespan\***

Series	Km from	Up to
Sigma series	20 000	25 000
Alpha series	15 000	25 000

\*When fitted with new sprockets and maintained properly. Higher values are possible with frequent maintenance.



## MOTORCYCLE CHAIN - HP CHART = MAX. HP

HORSE POWER		<20	40	60	80	100	120	130	140	150	160	170	180
SERIES	SIZE												
SIGMA XRG-ORS	530	[MAX. HP]											
SIGMA XRG-ORS	525	[MAX. HP]											
SIGMA XRG-ORS	520	[MAX. HP]											
ALPHA XRG	530	[MAX. HP]											
ALPHA XRG	525	[MAX. HP]											
ALPHA XRG	520	[MAX. HP]											
ALPHA ORS	530	[MAX. HP]											
ALPHA ORS	525	[MAX. HP]											
ALPHA ORS	520	[MAX. HP]											
ALPHA ORS	428	[MAX. HP]											

*NOTE: Above mentioned ratings are indications and are not for racing applications. Please contact your dealer!*

### HEAT-TREATED HEAVY DUTY

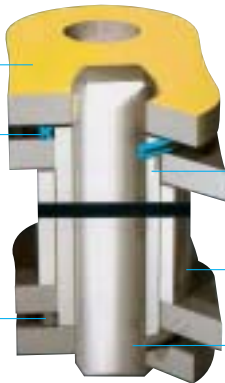
side plates and link plates give maximum strength.

### SUPER SEAL TX4/TX4-PLUS RINGS

provide longer wear life, and less friction

### SUPER SEAL O-RING

keep abrasive foreign matter out and factory grease in.



### EXTENDED and SOLID BUSHINGS

of TX4/TX4-PLUS Ring and O-Ring Chains provide exceptional fatigue shock resistance and eliminate kinking.

### SOLID ROLLERS

are heat-treated and shot-peened for greater impact resistance.

### QUAD-STAKE RIVETS

for higher load capacity.