



The Art of
Bearings & Seals

KEEPING THE WORLD IN MOTION

Kian Ho Pte Ltd stocks and distributes a wide range of bearings, factory automation products and seal products for all your application needs.

IKO



FAG

REPAIR **KHB** KITS
CYLINDER SEAL KITS

NSK



**BARDEN
PRECISION
BEARINGS**

Parker-Prädifa



KURODA

NOK

SAKAGAMI
HYDRAULIC&PNEUMATIC SEALS

NTN



NACHI

KOYO



IKO



Needle Roller Bearings, Cam Followers & Spherical Plain Bearings



Nippon Thompson Co., Ltd. The maker of IKO brand has an excellent track record in its quality and has a variety of its products as one of the world leading manufacturers of Needle Roller Bearings. It was the first company in Japan to launch technological development of Needle Roller Bearings and complete them as a machine element indispensable to the industry.

Needle Roller Bearings are bearings for rotary motion, in which needle-shaped thin rollers are incorporated instead of balls or other rolling elements. Needle Roller Bearings are smaller and lighter than ball bearings and cylindrical roller bearings, yet they have higher capacity loads. Thus, this helps to minimize in machinery size with cost savings on energy consumption. Applications on an extreme range spans from transportation vehicles to industrial machinery, machine tools, industrial robots, electric appliances and medical equipments.

IKO also manufactures other machinery components such as Cam Followers/Roller Followers, Plain Spherical Bearings and Cross Roller Bearings in variety to cater for a wide range of needs.



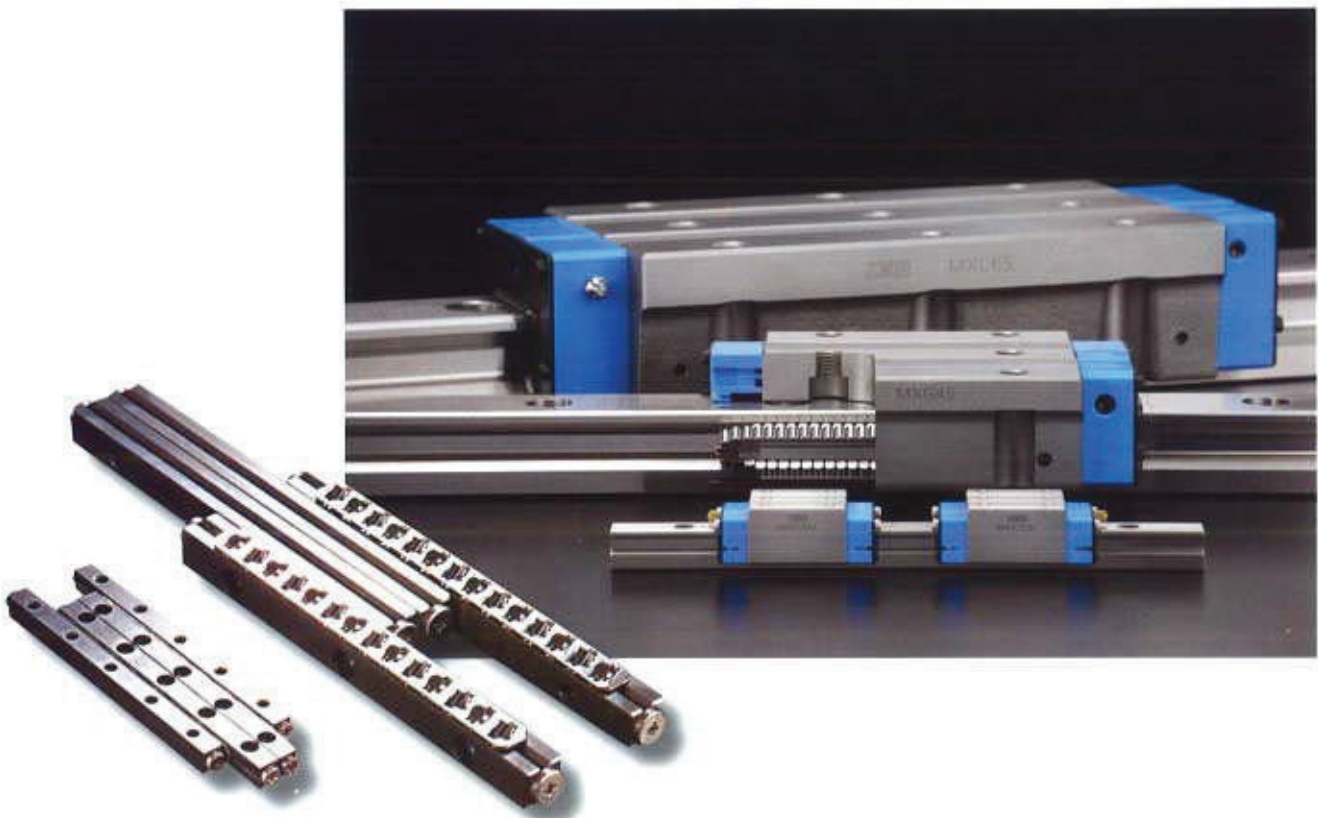
针形滚针轴承、凸轮滚针轴承 及球形平面轴承 (关节轴承)

日本汤逊股份公司 (Nippon Thompson Co., Ltd.), IKO商标的制造者, 无论从其产品的品质或种类, 都拥有作为世界领先的针形滚针轴承生产商的卓越记录。该公司是日本第一家开发针形滚针轴承科技, 并使该系列产品成为工业不可或缺的机械元件。

针形滚针轴承是用于旋转运动的轴承, 由针形小滚针组合而成, 并非由滚球或其他滚动元件组成。针形滚针轴承的体积和重量比球轴承及圆柱滚针轴承都小, 但却能承受更高的满载负荷。因此, 有利于缩减机械尺寸, 及节省使用能源的开销。它们的极限应用范围很广, 包括交通工具、工业机械、工作母机、工业机器人、电器及医疗设备。

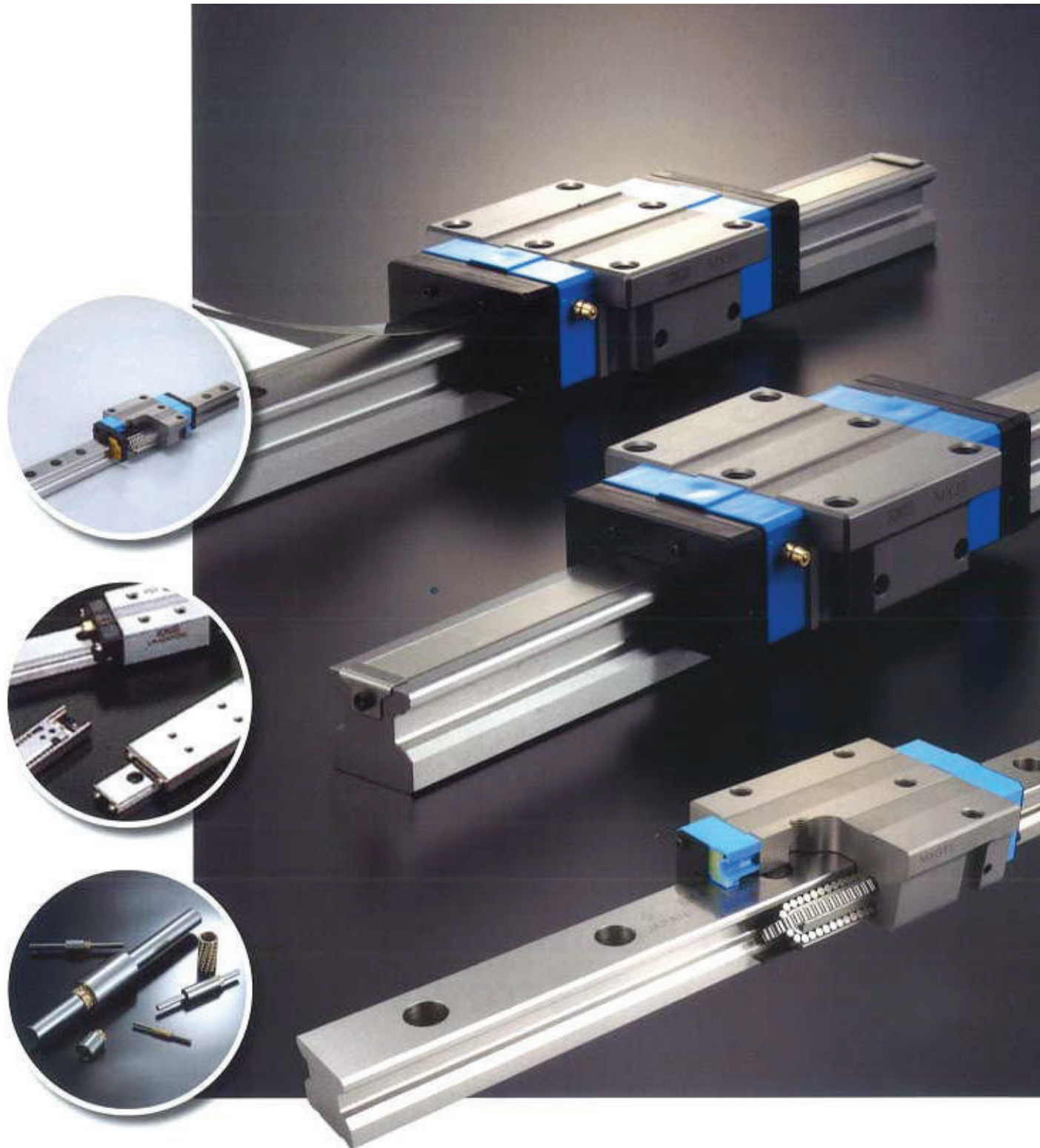
IKO品牌也包括制造其他机械元件, 例如各种各样的凸轮滚针轴承/滚轮滚针轴承, 平面球形轴承 (关节轴承) 以及交叉滚柱轴承, 以满足多种不同需要。

IKO



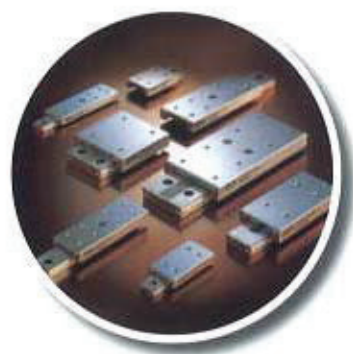
Linear Motion Products

Linear Motion products are used in a wide variety of fields such as industrial robots, machine tools, office automation, factory automation, semi-conductor manufacturing equipments, and medical equipments etc. Various sizes for both ball and roller models are available for selection depending on customers' design and application. Advantages of such products include high positioning accuracy, reliability, flexibility in design, lower costs and reductions in machine size.



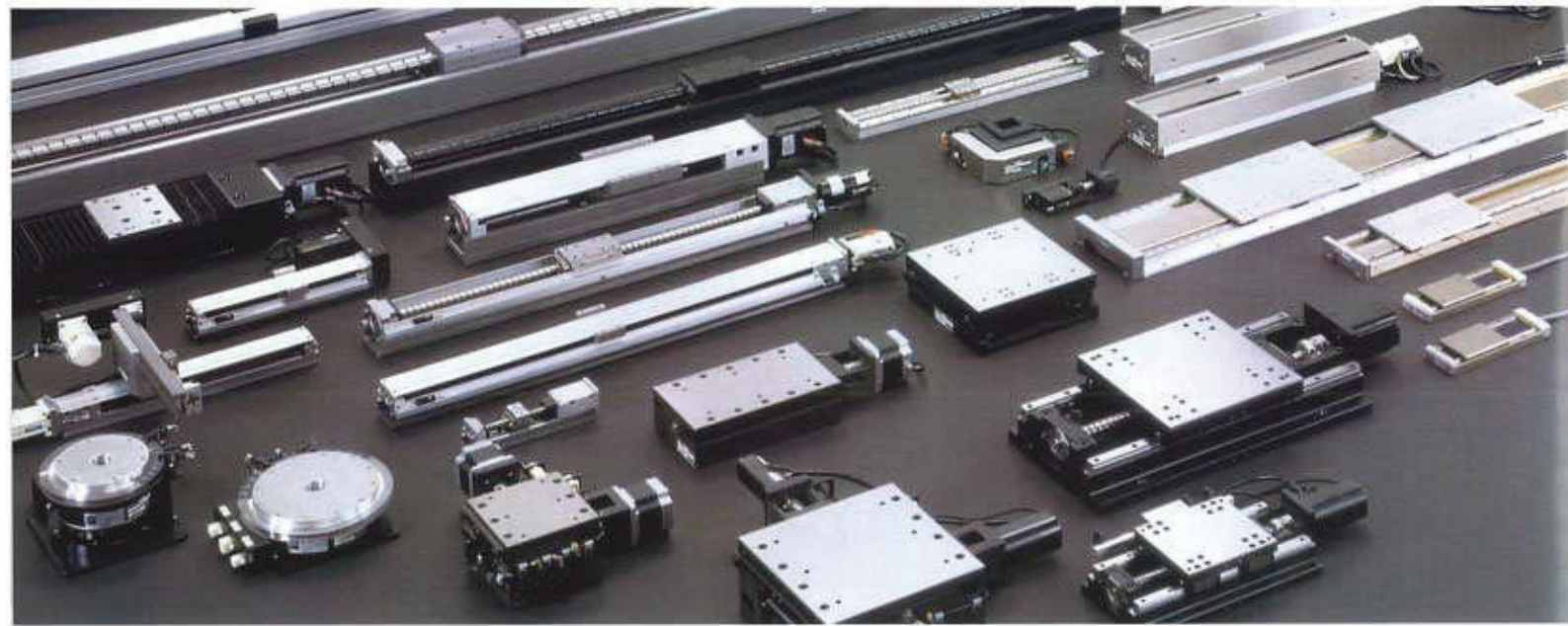
直线道轨系列

直线道轨系列用于多个领域，例如工业机器人、工作母机、办公自动化、工厂自动化、半导体生产设备、以及医疗设备等等。有多种不同尺寸的滚球和滚子型号系列，可供客户根据不同的设计和应用需要作出选择。产品的优势包括高定位精确度、可靠性、设计灵活性、低成本以及缩小机器体积。



IKO

KURODA



Precision Positioning Tables & Ball Screws

Positioning tables are compact slide tables used when there is a need for accurate positioning application. Various types of models are available depending on customers' requirements. We are also able to supply clean room positioning tables for semiconductor applications from IKO.

In the field of power transmission and motion control, ball screws have become indispensable as the feeding mechanism of various automation machines such as machining centers, positioning tables and industrial robots. We are able to provide a full range of Kuroda ball screws to suit all industrial needs.



精密定位平台及滚珠丝杠

定位平台是在需要进行精确定位时应用的精密平台。根据客户的不同需要，有多种不同型号可供选择。我们也供应IKO品牌用于生产半导体配件的洁净室定位平台。

在电力传输和运动监控领域，滚珠丝杠已经成为多种自动化机械，例如工作母机、定位平台及工业机器人不可缺少的机械元件。我们提供全系列的Kuroda滚珠丝杠，以迎合所有的工业需要。



FAG



**BARDEN
PRECISION
BEARINGS**



Super Precision Bearings

Super Precision Bearings are widely used in modern machinery tooling systems to obtain high accuracy and high speed machining capabilities. These bearings are also commonly known as spindle bearings and are the most critical elements required in a machine tool.

Other applications that require such precision bearings are in medical machines, textile machines, vacuum pumps, measuring instruments, machine tools, etc.



超精密轴承

超精密轴承被广泛用于现代加工系统机械，具备高精度及高速性能。这些轴承普遍被称为主轴轴承，是机床需要的最关键元件。

其他需要应用这种精密轴承的机械是医疗机械、纺织机械、真空泵、测量仪器、机床等等。



Founded in 1916, NSK is the first company in Japan to produce Japanese made ball bearings. Through many years of experience and technology know how, NSK products are widely used in many diversified industries like automotive, precision machinery and mechatronic industry. The product range includes Ball bearings, Cylindrical Roller bearings, Mounted units, Spilt housings, Needle bearings, Rolling Mill bearings, Supper Precision bearings, Spherical Roller bearings, Tapered Roller bearings, Thrust bearings and Oilite bearings.

日本精工株式会社 (NSK LTD.) 成立于1916年, 是日本国内第一家设计生产轴承的厂商。几十年来, NSK开发出无数新型轴承, 满足世界各地用户的需求, 并为产业发展和技术进步做出了极大的贡献。同时NSK凭借其在精密加工方面的技术优势, 不断开发汽车零部件、精密机械组件等高、精、尖产品, 在电子应用等领域积极开展多元化经营。

NSK的主要产品是轴承, 它是所有机器的基础; 是现代社会中不可缺少的产品; 素有“机械产业的粮食”之美称; 它确保所有工业产品的质量; NSK的宗旨在于运行与控制; 对机器的运转 / 摩擦现象寻根究底, 以确保旋转和运作的平稳; 它无时不在, 时刻为人类提供着丰富多彩的生活并将对全球性的节能运动和资源保护作出贡献。



FAG

NSK

NTN



TIMKEN
Torrington. Fafnir.



KOYO



Rolling Bearings

Rolling Bearings are the most widely used anti-friction product in any industry. They are categorized into different variations namely Deep Groove ball bearings, Self-Aligning ball bearings, Angular Contact ball bearings, Thrust ball bearings, Cylindrical roller bearings, Tapered roller bearings and Spherical roller bearings.



滚动轴承

滚动轴承在任何工业中都是应用最广泛的耐磨轴承产品。不同的品种分类包括-深沟球轴承、调心球轴承、角接触球轴承、圆柱滚子轴承、圆锥滚子轴承以及调心滚子轴承。



Dry Bearings

Dry Bearings have low coefficient of static and dynamics friction, good strength and dimensional tolerance. They are also tolerant to most chemicals and solvents making them suitable for a variety of industries like transportation, machineries, construction, agriculture, hydraulic systems, etc... These bearings require nil or minimum lubricant thus usage of these bearings entails easy maintenance.

乾式轴承 (完全无给油轴承)

乾式轴承完全无给油轴承是完全无需润滑的轴承，是为非含油承或粉末冶金治之类，其利用铁氟龙及铅的低摩擦特性和金属材料的强度及尺寸安定性而制成的轴承。乾式轴承也能耐受大多数化学品和溶剂，这使它们适合用于多种工业，例如交通、机械、建筑、农业、液压系统等等。由于这些轴承只需要少量润滑剂甚至无需润滑剂，因此简化了使用这些轴承的保养工作。



Adapter/Withdrawal Sleeves

Adaptor sleeves are used for fastening bearings with a tapered bore to cylindrical shafts. The adaptor sleeves allow for the shafts to be machined to a larger diameter tolerance than if the bearing is sitting on the shaft itself.

Withdrawal sleeves locate bearings with tapered bore on cylinder shaft. The bearing rests against a shaft shoulder; the tapered sleeve is pressed into bearing bore until the radial clearance is reduced to the required amount.

紧固/退卸套

连接套的作用是将带有圆锥孔的轴承与圆柱轴固紧。与将轴承置于轴身之上的装置相比，使用连接套让轴可以在机械上加工，达到较大的直径公差。

退卸套的作用是将带有圆锥孔的轴承定位在圆柱轴上。轴承靠在一个轴肩上，圆锥退卸套则被压入轴承孔，直到径向间隙被缩小到要求尺寸为止。

Seals



Hydraulic Seals 液压密封



Hydraulic Seals 液压密封



Oil Seals 油封

Oil Seals:

A rotary oil seal is one of the machine elements used to prevent oil leakages from the rotary shaft and housing clearance. Various types of synthetic rubber materials and seal designs are available to suit a wide range of applications.

油封:

旋转油封是用于防止旋转轴承箱间隙漏油机械元件之一。有多种合成橡胶材料和密封设计可供选择，适用范围很广泛。

Hydraulic Packings:

A sealing element for hydraulic or pneumatic system. Various types of synthetic rubber materials and seal designs are available to suit a wide range of hydraulic / pneumatic cylinders on static or dynamic application.

液压封垫:

液压封垫是一种用于液压系统或气动系统的密封元件。有多种类型的合成橡胶材料及密封设计可供选择，适合静态或动态应用的多种液压汽缸/气动汽缸。

Seals



Mechanical Seals 机械密封



Floating Seals 浮式密封



O rings O型环



Couplings 泵接口

Mechanical Seals:

General purpose mechanical seals are widely used in the field of motor vehicles, home appliances, pumps and machineries.

Floating Seals:

Floating seals are used for the purpose of keeping up the steady flow of the lubricating oil and preventing the infiltration of impurities.

Pump Couplings:

For generator, pump driving of excavators.

O Rings:

Seals of the simplest construction and easiest to apply. Made of various types of synthetic rubber materials, these seals offer a wide range of application.

机械密封:

机械密封普遍通用于机动车辆、家用电器、泵及机械领域。

浮式密封:

浮式密封用于维持润滑油稳流和防止杂质渗透。

泵接口:

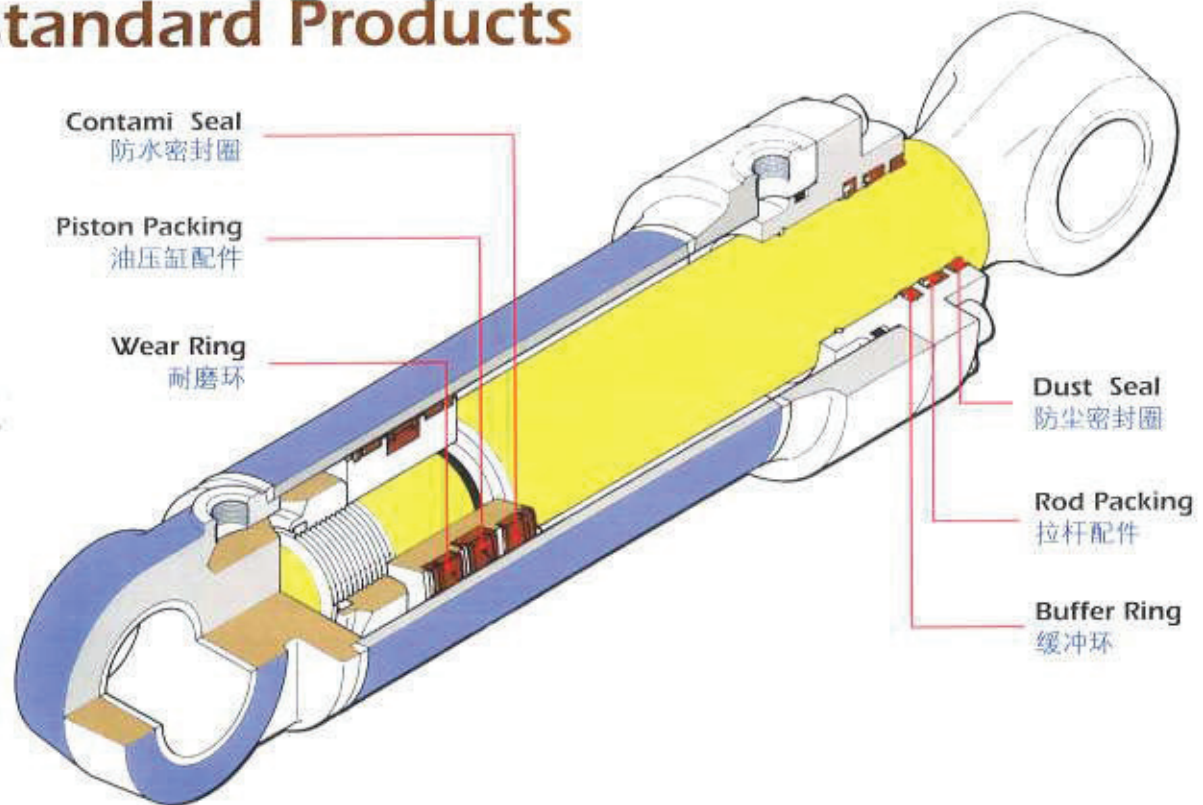
浮式密封用于维持润滑油稳流和防止杂质渗透。

O型环:

O型环是构造最简单而且最容易使用的密封圈。由多种类别的合成橡胶制成，这些密封圈的用途广泛。

NOK

Standard Products



Application range of hydraulic seals for reciprocating motion

Special Packings for Piston Seals 油压缸配件										
U				S					L	
ODI	OSI	OUIS	OUHR	SPG	SPGW	SPGO	SPGC	SPGI	CPI	CPH

Special Packings for Rod Seals 拉杆配件							Packings for Both Piston Rod Seals 拉杆-油压缸及活塞杆配件				
U				S			U			V	
IDI	ISI	IUH	UNI	SPNO	SPN	SPNC	UPI	USI	UPH	USH	V99F

Application range of relating products for hydraulic equipment

Special packings for rod seals		Relating products for reciprocating motion						
Buffer ring		Wear ring			Backup ring			
HBY	HBTS	RYT	WR	KZT	BRT2	BRT3	BRN2	BRN3

Application range of dust seals for reciprocating motion

Dust seals			Dust seals				
DKI	DWI	DWIR	DKBI	DKB	DKH	DSI	LBI

Hallite Standard Products

Rod Seals

Profile	Hallite type
	15
	16
	18
	21
	513
	601
	605
	610
	616
	621
	631
	652
	653

Piston Seals - Double Acting

Profile	Hallite type
	50
	51
	52
	53
	54
	56
	58
	64
	65
	68
	77

Piston Seals - Double Acting

Profile	Hallite type
	735
	753
	754
	755
	770

Piston Seals - Single Acting

Profile	Hallite type
	66
	71
	511
	512
	601
	606
	659

Vee pack sets

Profile	Hallite type
	07
	09
	11
	12
	13
	14

Wipers

Profile	Hallite type
	33
	38

Wipers

Profile	Hallite type
	520
	831
	834
	839
	842
	846
	860
	862

Bearings

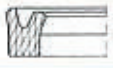
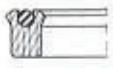

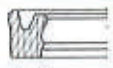
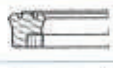

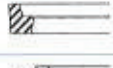



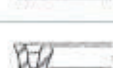





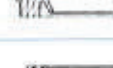


Profile	Hallite type
	87
	506
	533


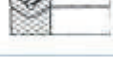












Additional products

Profile	Hallite type
	80
	657






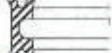
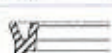
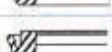



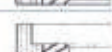


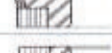



Parker - Pradifa Standard Products






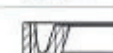





Rod Seals	
Profile	Parker type
	B3
	BA
	BD
	BS
	BU
	C1
	C3
	CR
	E5
	E8
	E9 ²⁾
	EL
	EM
	EP
	EU ³⁾
	EV
	GC
	JA
	M0






Rod Seals	
Profile	Parker type
	M2
	M3
	M5
	OD
	ON
	Q3
	R3
	Z9
	ZE
	ZG
	ZH
	ZJ
	ZR
	ZU




Piston Seals	
Profile	Parker type
	B7
	C2
	CP
	D1
	DK
	DL ⁴⁾
	DP
	DE
	E4
	EK
	GD
	KR
	KU
	M4
	NG
	N0
	OA
	OE

Parker - Pradifa Standard Products


Piston Seals	
Profile	Parker type
	OG
	OK
	PZ
	Z5
	Z7
	Z8
	ZA
	ZC
	ZD
	ZK
	ZP
	ZQ
	ZS
	ZW
	ZX
	ZY



Wipers	
Profile	Parker type
	A1
	A2
	A5
	A6
	AD
	AF
	AG
	AH
	AM
	AT
	AY






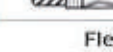
Guiding Elements	
Profile	Parker type
	F1
	F2
	F3
	FP
	FR



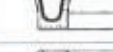
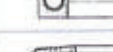






PTFE Back-up-rings	
Profile	Parker type
	XA
	XB
	XC


Flange Seals	
Profile	Parker type
	V2
	OV




PU-O-Ring	
Profile	Parker type
	V1

Cushioning Seals	
Profile	Parker type
	V6
	PP

Rotary Seals	
Profile	Parker type
	C1
	C5
	C9
	KA
	OR
	RS

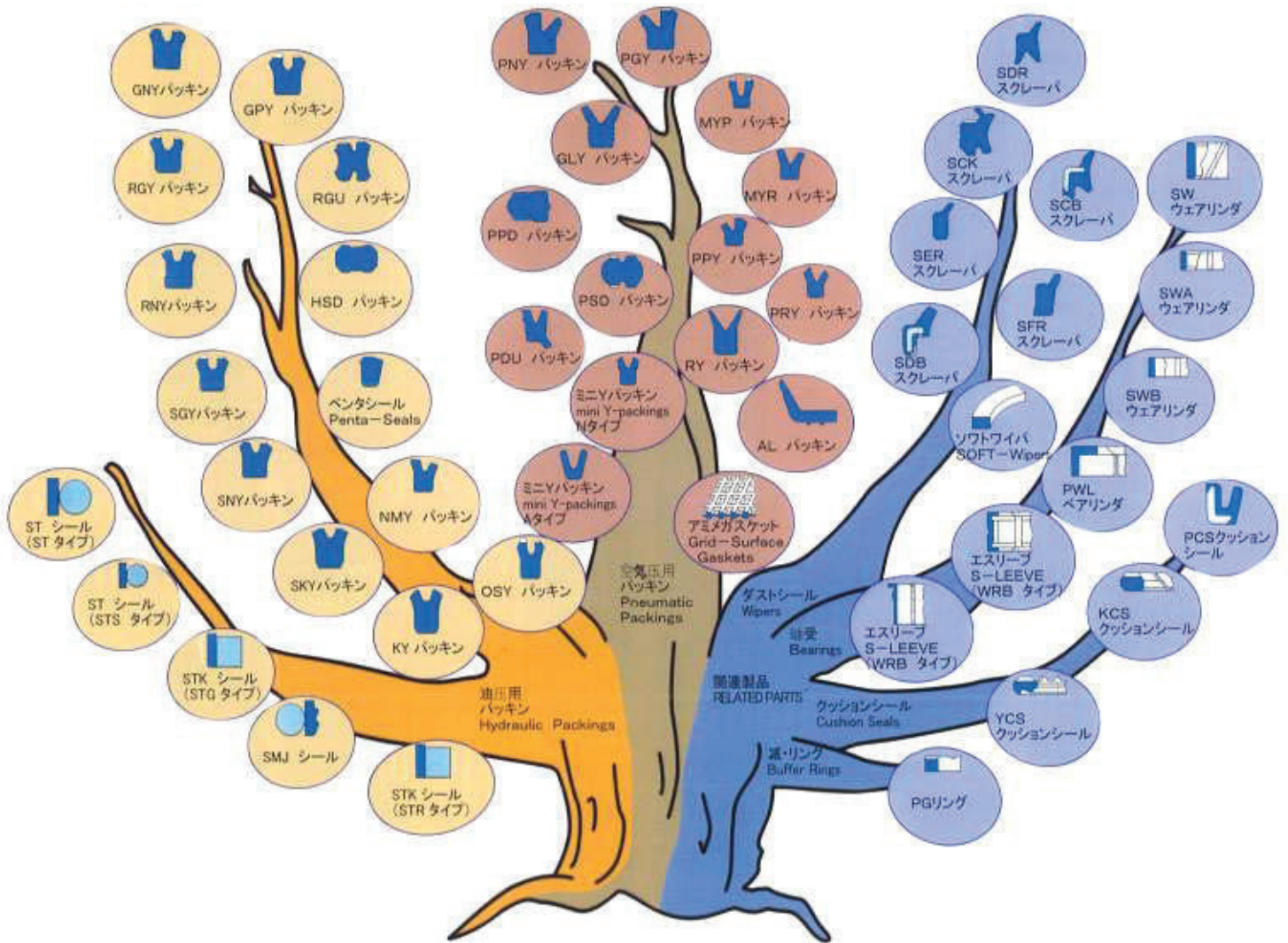
Flexiseals [®]	
Profile	Parker type
	JD
	JR
	JS
	JK
	JF
	JG
	JB
	JC
	JE
	JH

Sealing systems for dual media	
Profile	Parker type
	KS

Seals for water pump	
Profile	Parker type
	W1
	W2/W3
	W7

Sakagami Standard Products

SAKAGAMI HYDRAULIC AND PNEUMATIC SEALS



Pin, Dust & Wiper Seals
挿銷、尘埃和刮油密封环



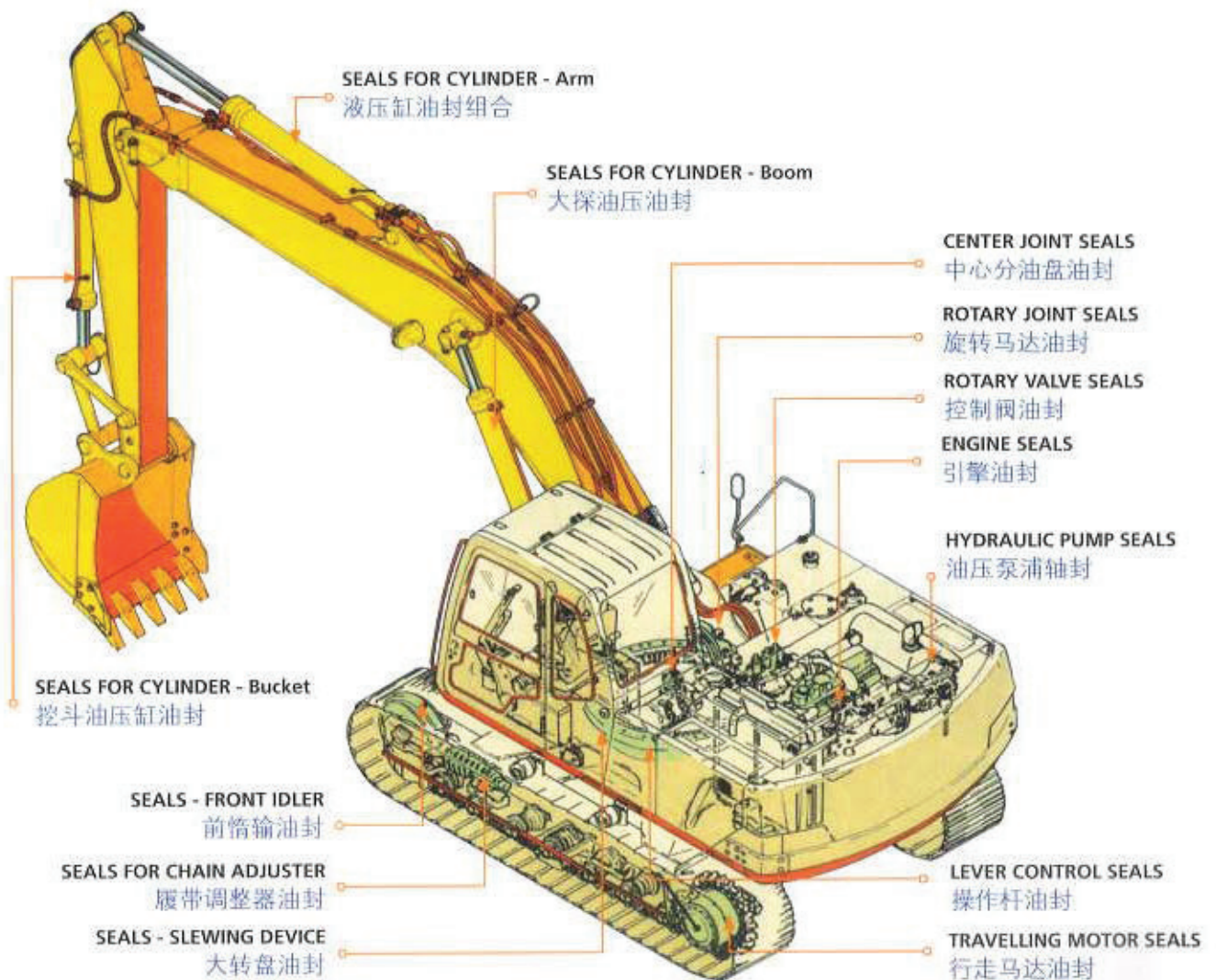
Hydraulic Seals
液圧密封



Hydraulic Seals
液圧密封

Hydraulic Cylinder Seal Kits

液压缸油封组合



Cylinder Seal Kits for Construction Heavy Equipments
油压缸密封圈公供建筑重型机械用

Excavators, Crawler Loaders, Crawler Tractors, Skid Steer Loaders, Wheel Loaders, Swap Dozers,
Hydraulic Hammers, Dump Trucks, Mobile Cranes, Lorry Mounted Cranes, Forklifts & etc.
挖土机、堆高机、移动吊车、倾卸卡车、轮胎及各式装载机

