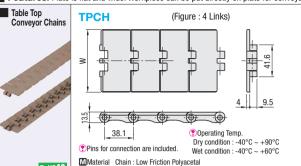
Table Top Conveyor Chains, Sprockets, Idlers

Idler Sprockets

Single Bearing, Double Bearing



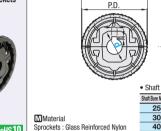


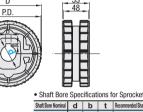
Pin : SUS430 Equivalent

ı	Chair	าร							
ı	Part Number		Number of		Max. Allowable	Mass	Number of	Unit Drie	
ı	Type	Nominal	Links Specified	٧٧	Tension (kN)	(kg/m)	Number of Links per Unit	OIIIL FIIC	
ı	TPCH	826	20~360	82.6	1.05	0.85	160 (Circumference		
l	IPCH	1143	20~360	114.3		1.03	Length 6,096mm)		
ı		1143		114.3		1.03	Length 6,096mm)		

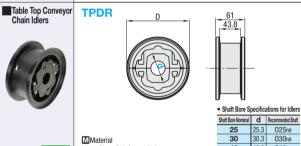
- The chain can be made longer than 360 links by connecting them with a pin included.
- Sprockets and Idlers are common, regardless of the Chain models.
- For Top Chains selection information materials and Frictional Coefficient Table, refer to 🗷 P2251.
- When the ordered number of links exceeds the given number of links per unit, the gty. of links per unit and the extra qty. of links are packaged separately.
- Ex.) For TPCH826-240, 2 separate packages: 160 links x 1 unit + 80 links

RoHS 10	Mivial
Table Top Conveyor Chain Sprockets	TPS





		= ==									
	Shaft Bore Specifications for Sprock										
	Shaft Bore Nominal	d	b	t	Recommended Sh						
	25	24.9	8		Ø25h9						
l	30	29.9	ð	3.4	Ø30h9						
Glass Reinforced Nylon	40	39.9	12		Ø40h9						
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \											



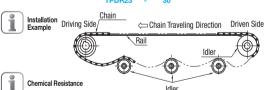
■Sprockets

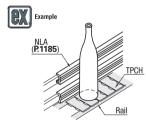
	Part Num	ber	Shaft Bore Dia. d	n	DD.	Linit Drice	
	Type	Number of Teeth	Silait bore bia. u	_ U	P.D.	Offic Price	
		21		128.9	129.3		
TF	TPSP	23	25 30 40	142.0	141.2		
		25		153.8	153.2		
_							

Idlers

21 130.0	Part Num	ber	Shaft Bore Dia. d	D	Unit Price
	Type	Nominal	Silait bore bia. u		Offit Price
TDDD 23 25 30 40 142 5		21		130.0	
20 20 00 10 142.0	TPDR	23	25 30 40	142.5	
25 154.5		25		154.5	







: Resistant	Δ : Partly Resis	stant 🛛 🗙 : Not Resi	stant

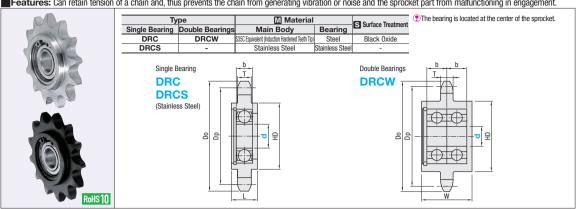
		Ambient	Ambient	
	Chemical Name		Temperature (60°C)	Chemica
	Acetic Acid: 5% or More	Δ	×	Chromic Ac
	Acetic Acid: Less than 5%	0	-	Chromic Ac
	Acetone	\triangle		Citric Acid
	Alcohol (All Types)	0	\triangle	Orange Juic
	Ammonia	0		Coconut Oil
	Aniline	-	Δ	Corn Oil
	Beer	0	-	Cotton Oil
	Benzene	\triangle	\triangle	Neutral Det
	Soft Drink	0	0	Diethyl Ethe
	Salt Water 10%	0		Acetic ether
	Butter	0	-	Ethylene Gl
	Carbon Tetrachloride	0	\triangle	Iron Compo
	Cheese	0	-	Formaldehy
	Chlorine Gas	×	×	Chlorofluoro
	Liquefied Chlorine	×	×	Heavy Oil
	Chlorine Water 0.4%	×	×	Fruit Juice
	Chlorobenzene	Δ	Δ	Gasoline
	Chloroform	×	×	Glucose
1 -1549	Chocolate		-	Heptane
10-10	·			

Chemical Name	Ambient Temperature (20°C)	Ambient Temperature (60°C)
Chromic Acid 50%	×	×
Chromic Acid 3%	\triangle	\triangle
Citric Acid		×
Orange Juice	0	-
Coconut Oil	0	-
Corn Oil		-
Cotton Oil	0	-
Neutral Detergent	0	-
Diethyl Ether	\triangle	\triangle
Acetic ether	\triangle	×
Ethylene Glycol	0	\triangle
Iron Compounds	\triangle	×
Formaldehyde	0	
Chlorofluorocarbon	\triangle	\triangle
Heavy Oil		
Fruit Juice	Ó	-
Gasoline		Ö
Glucose		

Chemical Name	Ambient Temperature (20°C)	Ambient Temperature (60°C
Hexane	0	-
Hydrobromic Acid	×	×
Hydrofluoric Acid	×	×
Oxygenated Water 3%	0	0
Oxygenated Water 90%	\triangle	×
Crystal of lodine	×	×
Isopropyl Alcohol	0	0
Jet Fuel	0	0
Kerosene	0	0
Methyl Isobutyl Ketone	\triangle	\triangle
Petroleum	0	0
Mineral Spirits	0	0
Naphtha	0	0
Nitric Acid	×	×
Nitrobenzene	×	×
Olive Oil	0	0
Palmitin Hydrochloric Acid	×	X
Peanut Oil	0	0
Phenol 5% or Less	X	X

Chemical Name	Ambient Temperature (20°C)	Ambient Temperature
Phosphoric Acid Less Than 30%	×	×
Potassium Hydrate	0	0
Potassium Iodide 3%	0	0
Seawater	\triangle	-
Sodium Hydroxide 60%	0	0
Stearic Acid	×	×
Sulfuric Acid Less Than 20%	\triangle	-
Solution of Sulfate	×	×
Dilute Sulfuric Acid Less Than 10%	×	×
Acidum Tartaricum	×	×
Toluene	\triangle	\triangle
Transformer Oil	\triangle	×
Cresyl Phosphate	\triangle	\triangle
Urea	0	-
Wine	0	0
Whiskey	Ó	-
Xylene	0	0

Features: Can retain tension of a chain and, thus prevents the chain from generating vibration or noise and the sprocket part from malfunctioning in engagement.



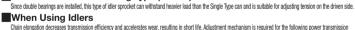
Part Number		l., .											Beari	ng	Idler Pin Ap	plicable Size	Appr	ox. Mas	s (kg)	l	Jnit Pric	e
Туре	Type No.	Number of Teeth	d	Dp	Do	Т	HD	L	w	Part No.	b	Single Bearing	Double Bearing	DRC	DRCS	DRCW	DRC	DRCS	DRCW			
		17	6	34.56	38		27	12		606ZZ	6			0.04								
	25	19	8	38.58	42	2.8	31	13		608ZZ	7			0.08]]				
	25	19	10	38.58	42	2.0	31	13	-	6900ZZ	6	_	_	0.08] -	_] -	-			
		20	12	40.59	44		33	13		6901ZZ	6			0.08								
		16	10	48.82	54		38	14		6000ZZ	8	IDP6000S	(0.11	0.12							
		16 12	12	48.82	34		30	14		6001ZZ	8	IDP6001S		0.1	0.11							
	35	18	15	54.85	60	4.3	44	17	-	6202ZZ	-11	IDP6202S	-	0.16	0.17	-			-			
		21	17	63.91	69		53	19		6203ZZ	12	IDP6203S		0.24	0.25							
	25	20	76	81		60	21		6204ZZ	14	IDP6204S	0.3	0.33	0.34								
Single Bearing		13 10	10	53.07	59		38	14	-	6000ZZ	8	IDP6000S	-	0.15	0.16	-			-			
DRC									22	6001ZZ	8	IDP6001S	IDP6001W	0.14	0.15	0.19						
DRCS		15	15	61.08		67 7.2 76	44	17	28	6202ZZ	11	IDP6202S	IDP6202W	0.19	0.2	0.29						
51100		17	17	69.12			53	19	31	6203ZZ	12	IDP6203S	IDP6203W	0.3	0.31	0.45						
Double Bearings	19	20	77.16	84		60	21	35	6204ZZ	14	IDP6204S	IDP6204W	0.4	0.41	0.62							
		12	12	61.34		69	43	16	26	6201ZZ	10	IDP6201S	IDP6201W	0.21	0.22	0.31						
DRCW	50	13	15	66.34	74	8.7	44	17	28	6202ZZ	11	IDP6202S	IDP6202W	0.23	0.24	0.34						
	"	15	17	76.35	84	0.7	53	19	31	6203ZZ	12	IDP6203S	IDP6203W	0.37	0.38	0.51						
		17	20	86.39	94		60	21	35	6204ZZ	14	IDP6204S	IDP6204W	0.49	0.5	0.72						
		11	12	67.62	76		44	16		6201ZZ	10	IDP6201S		0.26								
	60		15			11.7	44	17	_	6202ZZ	11	IDP6202S	-	0.27	_	_		_	_			
	"	13	17	79.6	89		53	19		6203ZZ	12	IDP6203S		0.46								
		14	20	85.61	95		60	21		6204ZZ	14	IDP6204S		0.56								
		9	15	74.27	85		44	17		6202ZZ	11	IDP6202S		0.38								
	80	10	17	82.2	93	14.6	52	19	-	6203ZZ	12	IDP6203S	-	0.57	-	-		-	-			
		11	20	90.16	102		60	21		6204ZZ	14	IDP6204S		0.69								

• Please use Cantilever pins for the models without applicable idler pin listings.

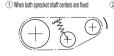
■ P.883~906



Features of Double Bearing Type (DRCW)



- 1. The center distance between shafts is long. (In the case that the shaft center distance exceeds 30 to 50 times greater than used chain pitch, or 20 times or greater than chain pitch under pulsating loads)
- 2. Relative positioning of the two sprocket shafts is exactly, or nearly, perpendicular to each other.
- 3. Distance between both shaft centers is short, and the upper side is the chain's loose side.
- 4. The chain length is long on multi-shaft transmission.
- There are following two types of chain stretch compensation mechanisms
- 1. Installing an idler or a tensioner (when (1) the both sprocket shaft centers are fixed; (2) transmission is in vertical direction; or (3) the chain causes vibration)
- 2. Moving either of the shafts (It may be the easiest way for regular transmission applications.)

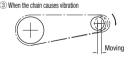




Rollers or quide rails are used as idlers in very low speed operations while Sprockets are commonly used for power

transmitting chains. The idler should be installed on the chain's loose side span rather than on the tense side, except otherwise needed or in applications that require reversing operation. Installing the idler on the tension side unnecessarily increases the chain tension and makes its service life shorter. Ensure that the number of teeth of idler is designed so that the idler does not exceed the max, allowable speed (Note when the number of teeth is smaller than a small sprocket, speed increases). At least 3 teeth of the idler should contact with chain. There are several ways of idler adjustment: 1. eccentric

shaft system, 2. arm system, 3. sliding system. (Please refer to "Chain Drive Mechanism" on P.2243.)





Combination of these app. examples can be selected on our website. Details about Selection Procedure E P.87

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