



HITACHI CONVEYOR CHAINS

Sprockets for Standard Conveyor Chains

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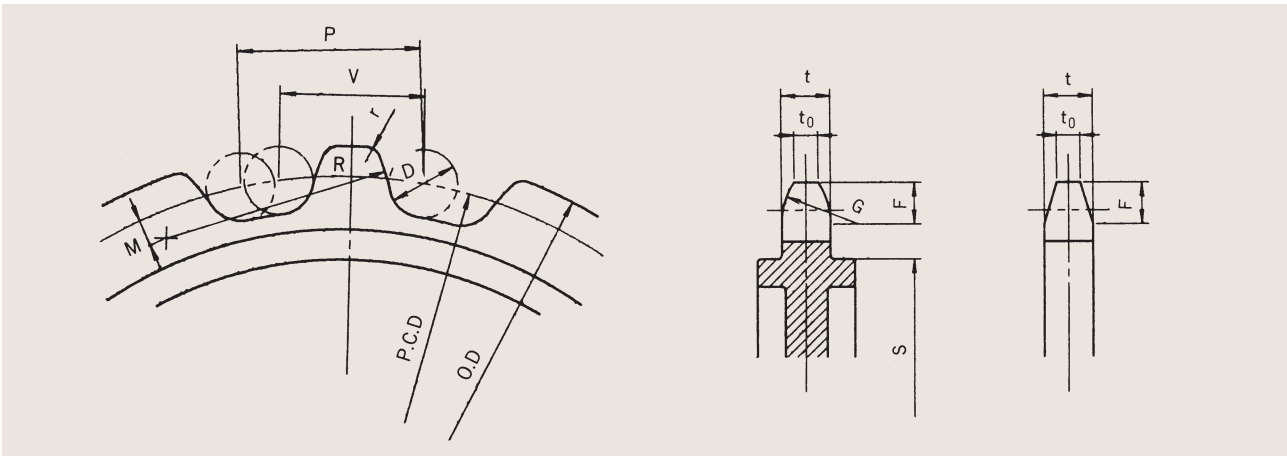
If chain and sprocket do not match the chain will not run smoothly, and both chain and sprocket will have to be replaced more frequently.

The necessary conditions for sprocket are as follows:

1. The form and pitch of the teeth must be precise and uniform.
2. Wear resistance must be adequate.
3. The structure must be sturdy, with adequate shock resistance.



Tooth design criteria



$$P.C.D. = P \times \frac{1}{\sin \frac{180^\circ}{N}}$$

$$O.D. = P.C.D. + 0.7d$$

$$V = 2d \quad \text{When } d > h$$

$$= 3d \quad \text{When } d < h$$

(However, $P-V \geq 5\text{mm}$ must be satisfied)

$$D = d + 2 \quad (d \leq 50)$$

$$= d + 3 \quad (50 < d \leq 100)$$

$$= d + 4 \quad (100 < d)$$

$$R \doteq P$$

$$r = \frac{O.D. - P.C.D.}{2}$$

$$M = \frac{P.C.D. - 0.95P.C.D.}{2}$$

$$F = 0.6d$$

$$t = 0.75W \sim 0.85W$$

$$G = \frac{2F^2}{t} + \frac{t}{8} \quad \text{or } t_0 = 0.5t$$

$$S = P.C.D. - \left(P \times \tan \frac{180^\circ}{2N} + 1.2h + 20 \right)$$

Standard dimensions

- P : Chain pitch
- N : No. of teeth
- d : Roller, bush or barrel diameter
- h : Link plate height
- W : Width between inner link plates, or width of parallel part of barrel.

Pitch Circle Diameter

The sprocket pitch circle diameter (P.C.D.) can be found simply by multiplying the chain pitch by the coefficient below.

$$\text{P.C.D.} = P \times \frac{1}{\sin \frac{180^\circ}{N}}$$

No. of teeth (N)	Coefficient $\left(\frac{1}{\sin \frac{180^\circ}{N}} \right)$	No. of teeth (N)	Coefficient $\left(\frac{1}{\sin \frac{180^\circ}{N}} \right)$	No. of teeth (N)	Coefficient $\left(\frac{1}{\sin \frac{180^\circ}{N}} \right)$
5	1.7013	17	5.4422	29	9.2491
5½	1.8496	17½	5.6005	29½	9.4080
6	2.0000	18	5.7588	30	9.5668
6½	2.1518	18½	5.9171	30½	9.7256
7	2.3048	19	6.0755	31	9.8845
7½	2.4586	19½	6.2340	31½	10.0434
8	2.6131	20	6.3925	32	10.2023
8½	2.7682	20½	6.5510	32½	10.3612
9	2.9238	21	6.7095	33	10.5201
9½	3.0798	21½	6.8681	33½	10.6790
10	3.2361	22	7.0267	34	10.8380
10½	3.3926	22½	7.1853	34½	10.9969
11	3.5495	23	7.3439	35	11.1558
11½	3.7065	23½	7.5026	35½	11.3148
12	3.8637	24	7.6613	36	11.4737
12½	4.0211	24½	7.8200	36½	11.6327
13	4.1786	25	7.9787	37	11.7916
13½	4.3362	25½	8.1375	37½	11.9506
14	4.4940	26	8.2962	38	12.1096
14½	4.6518	26½	8.4550	38½	12.2685
15	4.8097	27	8.6138	39	12.4275
15½	4.9677	27½	8.7726	39½	12.5865
16	5.1258	28	8.9314	40	12.7455
16½	5.2840	28½	9.0902		

Boss diameter and width

The boss diameter and boss width for standard sprockets are as shown in the table below, but in some cases the conditions of use or constraints imposed by the installation location may require a special design. The following is a summary of how to find the boss diameter and width.

D (boss diameter) = $\alpha d + 2b + 5$
 L (boss width) = $(0.6 \sim 0.8) \times D$

d : Shaft diameter
 b : Boss key channel depth
 α : 1.6 for normal cast iron (Min. 1.4)
 Special cast iron } 1.4
 Forged steel } (Min. 1.25)

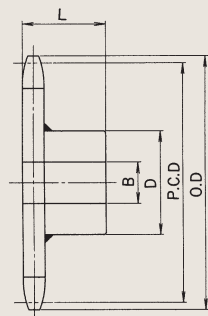
Note

The method here for calculating boss diameter and boss width is a simplified approach. For a more detailed approach, use standard mechanical design.

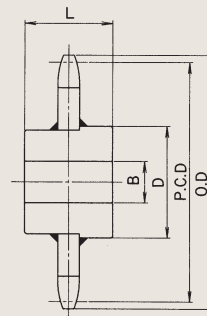
Sprockets for Standard Conveyor Chains

Table of dimensions

Sprocket for HRS type bushed roller chain



BW type

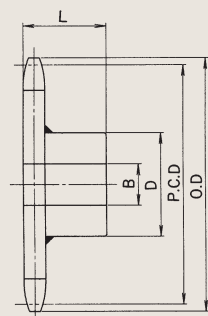
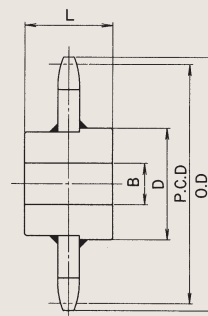


CW type

(mm)

Chain No.	Roller type	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.	BW type					CW type				
					Bore Dia. B		Hub		Mass (kg)	Bore Dia. B		Hub		Mass (kg)
					Pilot bore	Maximum	Dia. D	Width L		Pilot bore	Maximum	Dia. D	Width L	
HRS03075	R	6	150.0	159	26	40	65	52	2.9	26	40	70	55	3.4
		8	196.0	211		45	70	57	4.5		45	75	60	4.6
		10	242.7	260		50	75	62	5.9		50	85	70	6.9
		12	289.8	309		50	75	62	7.9		50	85	70	8.5
		14	337.0	358		55	85	67	10.7		55	90	75	11.2
	F	6	150.0	159		40	65	49	2.5		40	70	55	3.0
		8	196.0	211		45	70	54	3.4		45	75	60	4.1
		10	242.7	260		50	75	59	4.9		50	85	70	5.9
		12	289.8	309		50	75	59	6.5		50	85	70	7.1
		14	337.0	358		55	85	64	8.6		55	90	75	9.2
	S	6	150.0	161		40	65	52	2.9		40	70	55	3.4
		8	196.0	207		45	70	57	4.5		45	75	60	4.6
		10	242.7	254		50	75	62	5.9		50	85	70	6.9
		12	289.8	301		50	75	62	7.9		50	85	70	8.5
14		337.0	348	55	85	67	10.7	55	90	75	11.2			
HRS03100	R	6	200.0	203	26	45	70	57	4.4	26	45	75	60	4.8
		8	261.3	271		50	75	62	6.5		50	85	70	7.6
		10	323.6	337		50	75	62	9.4		50	85	70	10.1
		12	386.4	403		55	85	67	13.2		55	90	75	13.9
		14	449.4	468		55	90	72	17.7		60	100	80	18.5
	F	6	200.0	203		45	70	54	3.5		45	75	60	4.0
		8	261.3	271		50	75	59	5.4		50	85	70	6.6
		10	323.6	337		50	75	59	7.5		50	85	70	8.5
		12	386.4	403		55	85	64	11.0		55	90	75	12.1
		14	449.4	468		55	90	69	13.6		60	100	80	14.9
	S	6	200.0	211		45	70	57	4.4		45	75	60	4.4
		8	261.3	272		50	75	62	6.5		50	85	70	7.6
		10	323.6	335		50	75	62	9.4		50	85	70	10.1
		12	386.4	398		55	85	67	13.2		55	90	75	13.9
14		449.4	461	55	90	72	17.7	60	100	80	18.5			
HRS03150	R	6	300.0	302	26	50	75	62	8.1	26	50	85	70	8.7
		8	392.0	395		55	85	67	13.4		55	90	75	14.1
		10	485.4	491		55	85	67	19.7		55	90	75	20.1
		12	579.6	589		55	90	72	27.3		60	100	80	28.5
		14	674.1	687		65	100	77	37.0		70	110	90	38.8
	F	6	300.0	302		50	75	59	6.3		50	85	70	7.3
		8	392.0	395		55	85	64	10.5		55	90	75	11.3
		10	485.4	491		55	85	64	15.1		55	90	75	15.9
		12	579.6	589		55	90	69	21.1		60	100	80	22.5
		14	674.1	687		65	100	74	28.6		70	110	90	30.7
	S	6	300.0	311		50	75	62	8.1		50	85	70	8.7
		8	392.0	403		55	85	67	13.4		55	90	75	14.1
		10	485.4	497		55	85	67	19.7		55	90	75	20.1
		12	579.6	591		55	90	72	27.3		60	100	80	28.5
14		674.1	685	65	100	77	37.0	70	110	90	38.8			

※Tooth surfaces can be hardened, as specified.


BW type

CW type

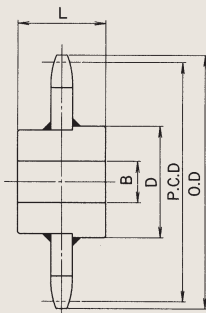
(mm)

Chain No.	Roller type	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.	BW type					CW type				
					Bore Dia. B		Hub		Mass (kg)	Bore Dia. B		Hub		Mass (kg)
					Pilot bore	Maximum	Dia. D	Width L		Pilot bore	Maximum	Dia. D	Width L	
HRS05075	R	8	196.0	215	30	60	90	76	6.4	30	60	100	80	7.6
		10	242.7	264		65	100	81	8.8		70	110	90	11.2
		12	289.8	313		65	100	81	11.8		70	110	90	13.1
		14	337.0	362		70	110	86	16.5		75	120	100	18.1
	F	8	196.0	215		60	90	72	5.4		60	100	80	6.6
		10	242.7	264		65	100	77	7.9		70	110	90	10.0
		12	289.8	312		65	100	77	9.8		70	110	90	11.1
		14	337.0	362		70	110	87	13.3		75	120	100	15.7
	S	8	196.0	212		60	90	76	6.4		60	100	80	7.6
		10	242.7	258		65	100	81	8.8		70	110	90	11.2
		12	289.8	305		65	100	81	11.8		70	110	90	13.1
		14	337.0	353		70	110	86	16.5		75	120	100	18.1
HRS05100	R	6	200.0	207	30	60	90	76	6.4	30	60	100	80	7.5
		8	261.3	275		65	100	81	10.1		70	110	90	12.1
		10	323.6	341		65	100	81	14.2		70	110	90	14.9
		12	386.4	407		70	110	91	19.9		75	120	100	22.1
		14	449.4	472		75	120	96	26.0		80	130	105	28.3
	F	6	200.0	207		60	90	72	5.8		60	100	80	7.0
		8	261.3	275		65	100	77	9.1		70	110	90	11.1
		10	323.6	341		65	100	77	12.0		70	110	90	13.2
		12	386.4	407		70	110	87	16.9		75	120	100	19.1
	S	14	449.4	477		75	120	92	21.0		80	130	105	23.7
		6	200.0	216		60	90	76	6.4		60	100	80	7.5
		8	261.3	277		65	100	81	10.1		70	110	90	12.1
10		323.6	339	65	100	81	14.2	70	110	90	14.9			
HRS05150	R	12	386.4	402	30	70	110	91	19.9	30	75	120	100	22.1
		14	449.4	477		75	120	96	26.0		80	130	105	28.3
		6	300.0	304		65	100	81	12.0		70	110	90	13.9
		8	392.0	400		70	110	91	19.8		75	120	100	21.9
		10	485.4	495		75	120	96	30.1		80	130	105	32.1
	F	12	579.6	593		80	130	101	41.2		90	140	115	44.1
		14	674.1	691		90	140	106	55.8		95	150	120	58.5
		6	300.0	304		65	100	77	11.0		70	110	90	12.1
		8	392.0	400		70	110	87	16.9		75	120	100	19.0
		10	485.4	495		75	120	92	24.1		80	130	105	26.9
		12	579.6	593		80	130	97	32.8		90	140	115	37.1
		14	674.1	691		90	140	102	43.6		95	150	120	47.7
S	6	300.0	316	65	100	81	12.0	70	110	90	13.9			
	8	392.0	408	70	110	91	19.8	75	120	100	21.9			
	10	485.4	501	75	120	96	30.1	80	130	105	32.1			
	12	579.6	595	80	130	101	41.2	90	140	115	44.1			
	14	674.1	690	90	140	106	55.8	95	150	120	58.5			

※Tooth surfaces can be hardened, as specified.

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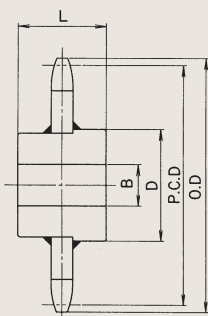
Sprockets for HR type bushed roller chains



(mm)

Chain No.	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.			Bore Dia. B		Hub		Mass (kg)		
			R roller type	F roller type	S roller type	Pilot bore	Maximum	Dia. D	Width L	R roller type	F roller type	S roller type
HR6608	8	173.2	—	—	189	30	70	110	70	—	—	7.2
	9	193.8	—	—	210		70	115	70	—	—	8.8
	10	214.4	—	—	230		70	115	70	—	—	10.0
	11	235.2	—	—	251		75	120	80	—	—	12.0
	12	256.0	—	—	272		75	120	80	—	—	14.0
	14	297.8	—	—	314		75	120	80	—	—	17.0
	16	339.7	—	—	356		75	120	80	—	—	19.6
	18	381.6	—	—	398		80	125	90	—	—	22.0
	20	423.6	—	—	440		80	125	90	—	—	24.0
	22	465.7	—	—	482		80	130	90	—	—	27.0
	24	507.7	—	—	524		85	140	100	—	—	32.0
30	634.0	—	—	650	40	95	150	100	—	—	45.0	
HR7813	8	204.1	—	—	227	30	70	115	80	—	—	10.5
	9	228.4	—	—	251		70	115	80	—	—	12.5
	10	252.8	—	—	276		75	120	80	—	—	15.0
	11	277.3	—	—	300		75	120	85	—	—	18.5
	12	301.8	—	—	325		75	120	85	—	—	20.5
	14	351.0	—	—	374		80	130	85	—	—	24.0
	16	400.4	—	—	423		85	140	100	—	—	30.0
	18	449.8	—	—	473		85	140	100	—	—	34.0
	20	449.3	—	—	522		85	140	100	—	—	41.0
	22	548.9	—	—	572		90	145	100	—	—	50.0
	24	598.4	—	—	621		40	90	145	100	—	—
30	747.3	—	—	770	40	90	145	100	—	—	78.0	
HR10007	6	200.0	207	207	215	30	70	115	70	7.0	6.7	6.7
	8	261.3	275	275	276		75	120	80	11.8	11.4	11.4
	9	292.4	308	308	307		75	120	80	14.0	13.5	13.5
	10	323.6	341	341	339		75	120	80	15.3	14.7	14.7
	11	355.0	374	374	370		80	125	80	17.7	17.0	17.1
	12	386.4	407	407	401		80	125	90	18.0	18.0	18.1
	14	449.4	472	472	464		80	130	90	22.4	21.6	21.7
	16	512.6	536	536	528		85	140	100	27.6	26.7	26.8
	18	575.9	601	601	591		85	140	100	32.3	31.3	31.4
20	639.3	665	665	654	40	95	150	100	38.4	37.2	37.8	
HR10105	6	203.2	209	—	218	40	60	95	65	5.5	—	6.2
	8	265.5	279	—	281		65	100	70	10.8	—	10.6
	9	297.1	313	—	312		65	100	70	14.2	—	12.3
	10	328.8	346	—	344		70	115	80	16.0	—	15.5
	11	360.6	380	—	376		70	115	80	17.2	—	16.2
	12	392.6	413	—	408		70	115	80	18.4	—	18.0
	14	456.6	479	—	472		75	120	85	21.5	—	22.2
	16	520.8	544	—	536		80	130	90	27.0	—	27.2
	18	585.1	610	—	600		80	130	90	30.0	—	30.5
20	649.5	675	—	655	80	130	90	36.5	—	35.0		

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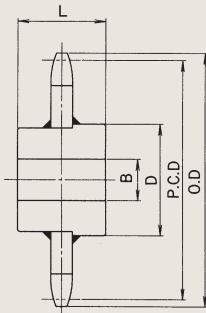


(mm)

Chain No.	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.			Bore Dia. B		Hub		Mass (kg)		
			R roller type	F roller type	S roller type	Pilot bore	Maximum	Dia D	Width L	R roller type	F roller type	S roller type
HR10108	6	203.2	221	221	219	40	70	115	70	9.5	8.7	8.3
	8	265.5	291	291	282		75	120	80	14.8	14.0	13.8
	9	297.1	325	325	313		75	120	80	16.2	14.9	16.1
	10	328.8	358	358	345		75	120	80	20.0	18.0	18.1
	11	360.6	392	392	377		80	125	80	22.5	20.5	20.5
	12	392.6	425	425	409		80	125	90	25.4	23.4	22.0
	14	456.6	489	489	473		80	130	90	30.5	27.0	26.5
	16	520.8	553	553	537		85	140	100	33.5	31.5	33.5
	18	585.1	617	617	601		85	140	100	40.5	36.5	38.0
HR10113	6	203.2	235	—	226	40	75	120	85	11.0	—	9.1
	8	265.5	298	—	289		80	130	90	17.6	—	16.7
	9	297.1	329	—	320		80	130	90	21.6	—	20.0
	10	328.8	361	—	352		85	135	95	24.7	—	23.0
	11	360.6	393	—	384		90	145	100	31.5	—	27.5
	12	392.6	425	—	416		90	145	100	32.5	—	30.5
	14	456.6	489	—	480		95	150	105	36.5	—	36.0
	16	520.8	553	—	544		100	160	110	48.0	—	46.0
	18	585.1	617	—	608		105	165	115	55.5	—	52.5
HR15011	6	300.0	305	305	320	40	80	130	90	19.0	16.5	19.2
	8	392.0	408	408	412		90	145	100	31.5	26.5	32.0
	9	438.6	458	458	458		90	145	100	35.0	28.7	36.3
	10	485.4	507	507	505		95	150	105	39.5	30.0	40.5
	11	532.4	556	556	552		95	150	105	45.0	32.5	45.5
	12	579.6	605	605	600		100	160	110	52.5	38.5	53.0
	14	674.1	703	703	694		105	165	115	62.5	52.5	64.0
	16	768.9	800	800	788		105	170	120	76.0	69.5	78.1
	HR15208	6	304.8	317	317		323	40	70	115	80	18.7
8		398.2	421	421	416	75	120		85	26.0	22.1	27.4
9		445.6	472	472	464	80	130		90	29.2	24.8	29.6
10		493.2	523	523	511	85	135		95	35.0	30.0	37.0
11		540.9	573	573	559	85	135		95	38.0	34.0	38.0
12		588.8	622	622	607	90	145		100	43.0	38.0	43.0
14		684.9	721	721	703	95	150		105	56.5	50.5	55.5
16		781.2	817	817	799	95	150		105	64.5	63.5	64.5
HR15215		6	304.8	329	329	330	40		90	145	100	28.0
	8	398.2	433	433	423	95		150	105	36.0	32.0	36.5
	9	445.6	484	484	471	100		160	110	40.0	34.0	45.5
	10	493.2	534	534	518	100		160	110	44.0	37.0	51.0
	11	540.9	582	582	566	100		160	115	60.0	42.5	57.7
	12	588.8	630	630	614	105		170	120	64.0	56.5	67.5
	14	684.9	726	726	710	115		180	125	77.0	68.0	79.5
HR15215	16	781.2	822	822	806	50	115	185	130	93.0	81.0	92.5

※Tooth surfaces can be hardened, as specified.

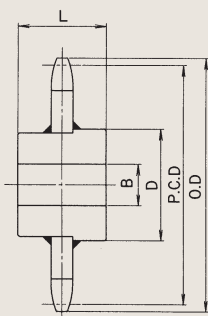
Sprockets for Standard Conveyor Chains



(mm)

Chain No.	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.			Bore Dia. B		Hub		Mass (kg)		
			R roller type	F roller type	S roller type	Pilot bore	Maximum	Dia. D	Width L	R roller type	F roller type	S roller type
HR15219	6	304.8	343	343	333	40	95	150	105	26.0	—	25.0
	8	398.2	447	447	426	50	105	165	115	43.5	—	41.5
	9	445.6	496	—	474		105	165	115	49.5	—	50.5
	10	493.2	543	—	521		105	170	120	53.0	—	53.5
	11	540.9	591	—	569		115	180	125	61.0	—	59.5
	12	588.8	639	—	617		115	180	125	68.0	—	67.5
	14	684.9	735	—	713		115	185	130	82.0	—	79.5
16	781.2	831	—	809	125		200	140	103.0	—	100.0	
HR20015	6	400.0	412	412	425	40	95	150	105	37.5	31.5	36.5
	8	522.6	548	548	548	50	105	165	115	57.0	45.0	49.0
	9	584.8	615	615	610		105	165	115	65.0	50.0	58.5
	10	647.2	681	681	672		105	165	115	75.0	63.0	64.0
	11	709.9	747	747	735		115	180	125	85.0	74.0	74.0
	12	772.7	812	812	798		115	185	130	96.0	81.5	82.0
14	898.8	942	942	924	115		185	130	115.0	103.0	104.0	
HR20019	6	400.0	426	426	428	40	100	160	105	47.5	40.5	50.8
	8	522.6	562	562	551	50	100	160	105	73.5	64.0	72.5
	9	584.8	629	629	613		105	170	110	83.5	73.0	80.0
	10	647.2	695	695	675		105	170	110	89.5	80.5	90.0
	11	709.9	761	761	738		105	170	110	105.0	92.0	100.0
	12	772.2	826	826	801		115	180	115	114.0	110.0	111.0
14	898.8	956	956	927	115		180	115	125.0	128.0	137.0	
HR25015	6	500.0	505	505	525	40	100	160	110	51.0	44.0	56.0
	8	653.3	669	669	678	50	105	170	120	72.0	62.0	80.0
	9	731.0	752	752	756		115	180	125	94.0	72.0	91.0
	10	809.0	835	835	834		115	185	130	100.0	89.0	106.0
	11	887.4	917	917	912		115	185	130	121.0	100.0	122.0
12	965.9	1,000	1,000	991	120		190	135	136.0	111.0	143.0	
HR25019	6	500.0	513	513	528	50	105	170	120	67.0	60.0	70.0
	8	653.3	683	683	681		115	185	130	93.0	90.0	100.0
	9	731.0	766	766	759		120	195	135	111.0	110.0	119.0
	10	809.0	849	849	837		125	200	140	133.0	125.0	135.0
	11	887.4	931	931	915		130	210	150	149.0	140.0	154.0
HR25026	6	500.0	—	—	532	50	120	190	135	—	—	84.0
	8	653.3	—	—	685		125	200	140	—	—	114.0
	9	731.0	—	—	763		125	200	140	—	—	122.0
	10	809.0	—	—	841		140	220	155	—	—	155.0
	11	887.4	—	—	919		140	225	160	—	—	173.0
HR30019	6	600.0	606	606	628	50	115	180	125	89.0	79.0	90.0
	8	783.9	804	804	812		125	200	140	128.0	122.0	131.0
	9	877.1	904	904	905		125	200	140	145.0	136.0	147.0
	10	970.8	1,003	1,003	999		130	210	150	173.0	160.0	174.0

Notes: 1. In those sprockets for HR450XX HR600XX the outer diameter (O.D.) dimension may differ according to the method of use, so please inquire in advance.
2. Tooth surfaces can be hardened if specified.



(mm)

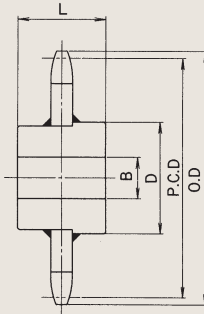
Chain No.	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.			Bore Dia. B		Hub		Mass (kg)		
			R roller type	F roller type	S roller type	Pilot bore	Maximum	Dia. D	Width L	R roller type	F roller type	S roller type
HR30026	6	600.0	619	619	632	50	125	200	140	108.0	92.0	108.0
	7	691.4	722	722	723	60	140	220	155	137.0	128.0	138.0
	8	783.9	824	824	816		140	220	155	160.0	137.0	166.0
	9	877.1	924	924	909		140	220	155	185.0	166.0	198.0
	10	970.8	1,023	1,023	1,003		145	235	165	210.0	195.0	214.0
6	600.0	—	—	636	60		130	210	150	—	—	137.0
7	691.4	—	—	727		140	220	150	—	—	165.0	
8	783.9	—	—	820		140	220	150	—	—	192.0	
9	877.1	—	—	913		145	230	160	—	—	224.0	
10	970.8	—	—	1,007		150	240	165	—	—	254.0	
HR30054	6	600.0	—	—	641	60	140	220	160	—	—	154.0
	8	783.9	—	—	825		150	240	170	—	—	223.0
HR45026	6	900.0	971	971	932	50	125	200	150	187.0	162.0	188.0
	8	1,175.9	1,247	1,247	1,208		125	200	160	276.0	235.0	280.0
HR45048	6	900.0	989	989	936	60	140	220	160	218.0	177.0	222.0
	8	1,175.9	1,265	1,265	1,212		155	250	180	325.0	287.0	334.0
HR45054	6	900.0	1,000	1,000	941	60	145	230	165	246.0	208.0	256.0
	8	1,175.9	1,276	1,276	1,217		160	255	180	368.0	319.0	384.0
HR60048	6	1,200.0	1,289	1,289	1,236	60	160	255	180	347.0	297.0	368.0
	8	1,567.9	1,657	1,657	1,604		160	255	180	497.0	402.0	552.0
HR60054	6	1,200.0	1,300	1,300	1,241	70	175	280	195	399.0	356.0	438.0
	8	1,567.9	1,668	1,668	1,609		190	305	215	635.0	514.0	721.0

Notes: 1. In those sprockets for HR450XX HR600XX the outer diameter (O.D.) dimension may differ according to the method of use, so please inquire in advance.

2. Tooth surfaces can be hardened if specified.

Sprockets for Standard Conveyor Chains

Sprockets for HB type bushed chains



(mm)

Chain No.	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.	Bore Dia. B		Hub		Mass (kg)	Chain No.	No. of teeth N	Pitch circle Dia. P.C.D.	Outer Dia. O.D.	Bore Dia. B		Hub		Mass (kg)	
				Pilot bore	Maximum	Dia. D	Width L						Pilot bore	Maximum	Dia. D	Width L		
HB6608	8	173.2	189	30	70	110	70	7.2	HB10011	6	200.0	218	30	75	120	85	9.0	
	9	193.8	210		70	115	70	8.8		8	261.3	279		80	125	85	16.5	
	10	214.4	230		70	115	70	10.0		9	292.4	310		80	125	85	19.8	
	11	235.2	251		75	120	80	12.0		10	323.6	342		80	130	85	22.7	
	12	256.0	272		75	120	80	14.0		11	355.0	373		80	130	85	27.1	
	14	297.8	314		75	120	80	17.0		12	386.4	404		80	130	85	30.0	
	16	339.7	356		75	120	80	19.6		14	449.4	467		85	140	90	35.5	
	18	381.6	398		80	125	90	22.0		16	512.6	531		90	145	100	45.0	
	20	423.6	440		80	125	90	24.0		18	575.9	594		90	145	100	50.0	
HB7811	8	204.1	227	30	70	115	80	10.5	HB15011	20	639.3	657	40	95	150	100	58.0	
	9	228.4	251		70	115	80	12.5		6	300.0	305		30	80	130	90	19.0
	10	252.8	276		75	120	80	15.0		8	392.0	410	40	90	145	100	31.7	
	11	277.3	300		75	120	85	18.5		9	438.6	457		90	145	100	36.0	
	12	301.8	325		75	120	85	20.5		10	485.4	503		95	150	105	40.1	
	14	351.2	374		80	130	100	24.0		11	523.4	550	50	95	150	105	45.0	
	16	400.4	423		85	140	100	30.0		12	579.6	598		100	160	110	52.0	
	18	449.8	473		85	140	100	34.0		14	674.1	692	105	165	115	63.2		
	20	499.3	522		85	140	100	41.0		16	768.9	787		105	170	120	75.3	
HB10007	6	200.0	215	30	70	115	70	6.7										
	8	261.3	276		75	120	80	11.4										
	9	292.4	307		75	120	80	13.5										
	10	323.6	339		75	120	80	14.8										
	11	355.0	370		80	125	80	17.1										
	12	386.4	401		80	125	90	18.1										
	14	449.4	464		80	130	90	21.7										
	16	512.6	528		85	140	100	26.8										
	18	575.9	591		85	140	100	31.4										
	20	639.3	654	40	95	150	100	37.8										

※ Tooth surfaces can be hardened if specified.