

DONGBO CHAIN GENERAL CATALOGUE

ROLLER CHAIN LEAF CHAIN ENGINEERING CHAIN



Our Vision



경영이념



Dong Bo Chain has been engaged only in chain manufacturing for half a century since establishment in 1962. DBC continues to be a pioneer in the fields of chain industry, who has been guiding factory automation since early days of industrialization in Korea. Customers expectation to us has set up DBC quality standard, which has been our foundation maintained for half a century.

DBC will continue to supply customers with qualified products only by paying much attention on R&D and challenge than ever before, which we believe could be a way to reward our faithful customers.

1962년에 설립된 동보체인은 반세기 동안 오로지 체인 제품만을 전념하여 생산 해 왔습니다. 동보체인은 한국의 공업이 걸음마를 시작했던 때부터 세계를 향해 나아가는 지금까지, 언제나 한국의 공장 자동화를 이끈 체인업계의 선구자였으며 동반자였습니다.

고객의 기대는 저희의 품질 기준이 되었으며 이것이 반세기 동안 저희 회사를 발전시킨 토대가 되었습니다. 이제 저희 회사는 고객으로 부터의 관심과 지원에 보답하기 위해 끊임없는 연구개발과 최고의 품질로 고객 여러분께 항상 봉사하고 함께 성장할 것입니다.



Dong Bo Chain, the maestro of 50 years.

동보체인 반세기의 장인정신

Thanks to the enormous efforts made during the past 50 years and also due to the supreme technology and simple purpose equipments and facilities, Dong Bo has earned its acclaim not only in the domestic market, but also in the global market.

동보체인은 반세기 동안 오로지 최고 품질의 제품만을 생산해왔으며 현대적 설비와 기술은 국내는 물론 전세계의 고객을 감동 시키고 있습니다.

1980. 07

Obtaining the permission to express KS mark on power transmission roller chain 08A, 10A, 12A, 16A the initial KS products.

국내 최초의 전동용 로울러 체인 KS 취득

1984. 10

Obtaining the permission to express KS mark on all power transmission roller chains from 04C to 48A including 06B

전동용 로울러체인 전품목 KS 취득

1990. 01

Moving the factory to the Industrial Complex in Chungwan-myon, Yangsan-gun, Kyongnam.

경남 양산군 정관면에 신축공장 완공 이전

2005. 12

Certificate for Marine Engine Chain by MAN Diesel & Turbo, being the 4th chain brand in the world
중국 청도공장 JIS 인증 획득

2012. 04

Being awarded prime minister citation as single PPM of quality innovation
싱글 PPM 품질혁신 우수기업 국무총리 표창 수상

History > 연혁

- 1962. 07 DONG BO INDUSTRY Established
동보기업사 설립 (부산 부산진구)
- 1963. 07 Realization of perfect localization of roller chain for bicycle(self-technique, capital, equipment and production) and export to U.S.A., Germany, Australia, South-East Asia, etc.
자전거용 로울러 체인 완전국산화 성공(자체 설계 및 제작) 미국, 독일, 호주, 동남아시아 수출개시
- 1973. 10 Obtaining the permission to express KS* mark on roller chain for bicycle
KS표시허가취득
- 1980. 07 Obtaining the permission to express KS mark on power transmission roller chain 08A, 10A, 12A, 16A the initial KS products.
국내 최초의 전동용 로울러 체인 KS 취득
- 1980. 08 Being selected the best company among practically modernized companies of the medium small enterprises.
중소기업 근대화 계획 실천 최우수업체 선정
- 1982. 05 Being awarded the Bronze Tower Industrial Medal as the best enterpriser at The Medium and Small Traders and Manufacturers meeting
전국 중소기업자대회 우수 기업인 등탑 산업훈장 수상
- 1983. 01 Changing the company name to DONG BO CHAIN INDUSTRIAL CO.,LTD.
<동보체인 주식회사>로 상호변경 및 법인전환
- 1984. 10 Obtaining the permission to express KS mark on all power transmission roller chains from 04C to 48A including 06B
전동용 로울러체인 전품목 KS 취득
- 1985. 06 Being awarded the Stannum Tower Industrial Medal from the National President at the first scientific technique developing meeting
석탑 산업훈장 수상
- 1985. 12 Being awarded the 3rd Industrial Top Grade(in technique part) from Pusan Municipal Office.
부산시 산업대상 (기술부문) 수상
- 1990. 01 Moving the factory to the Industrial Complex in Chunggwon-myon, Yangsan-gun, Kyongnam.
경남 양산군 정관면에 신축공장 완공 이전
- 1995. 12 Approved by Lloyd's Register Quality Assurance Limited to the quality management system standard "ISO 9002"
영국 LRQA (LLOYD)사로부터 ISO 9002 품질인증 획득
- 1999. 01 Development of Marine Diesel Engine Chain
국내 업체 최초 선박용 타이밍 체인 개발
- 1999. 09 Appointed as a "Venture Business Enterprise" by the Small & Medium Business Administration
벤처기업 인증
- 2001. 04 Completion of the overseas factory in Qingdao, P. R. of China
중국 청도 공장 설립
- 2002. 08 Approved by Lloyd's Register Quality Assurance Limited to the quality management system standard "ISO 9001"
영국 LRQA (LLOYD)사로부터 ISO 9001:2000 품질 인증 획득
- 2005. 11 Certificate for Marine Engine Chain by MAN Diesel & Turbo, being the 4th chain brand in the world
MAN Diesel & Turbo사의 선박 엔진용 타이밍 체인 품질인증 획득(세계 4번째)
- 2005. 12 Obtaining the permission to express JIS mark on power transmission roller chain for Dong Bo china factory
중국 청도공장 JIS 인증 획득
- 2006. 03 Obtaining the permission to express KS** mark on power transmission roller chain for Dong Bo china factory
중국 청도공장 KS 인증 획득
- 2008. 08 Obtaining the permission to express New JIS** mark on power transmission roller chain for Dong Bo china and also koreafactory
본사 및 청도공장 신 JIS 인증 획득
- 2009. 11 Obtaining the single PPM Quality certification
싱글 PPM 품질인증 획득
- 2011. 12 Being awarded prime minister citation as export performance.
제 48회 무역의 날 국무총리 표창 수상
- 2011. 12 Being given as the best enterpriser from Busan Metropolitan City.
2011년도 부산광역시 우수기업인 선정
- 2012. 04 Being awarded prime minister citation as single PPM of quality innovation
싱글 PPM 품질혁신 우수기업 국무총리 표창 수상
- 2013. 05 DBC Jangan factory established in Jangan Sandan, Busan, Korea
부산시 기장군 장안산단 제2공장 설립
- 2013. 12 Certified a Leading Company in Busan Strategic Industry
부산광역시 전략산업 선도기업 인증
- 2014. 06 Selected INNO-BIZ(Innovation & Business) Company
기술혁신 중소기업(INNO-BIZ) 선정
- 2015. 11 Broadcasted the Company of Hope, "DBC" on KNN NEWS
KNN 부산,경남방송 뉴스아이 : 기업이 희망이다. 뉴스 방영
- 2015. 12 Awarded "52th" best enterpriser by KOTRA Chairman
제52회 무역의날 유공자 한국 무역협회장 표창

* KS = Korean Industrial Standard ** JIS = Japanese Industrial Standard

Research & Development



연구개발



Dong Bo Chain keeps investing on research & development for new products, for developing new conveyor chains contribute to factory automation.

동보체인은 신제품 개발, 공장 자동화를 위한 컨베이어 체인 개발 등 지속적으로 연구 개발에 투자하고 있습니다.

Chain's quality depends on...

체인의 품질은...

To meet the criteria mentioned above, Dong Bo puts strong emphasis on R&D

동보체인은 이들 요소들의 만족을 위한 연구개발에 최선을 다하고 있습니다.



Quality Assurance



품질보증



Our utmost aim both products and at company organization is pointed to Quality which does no only mean quality of the product but also does that of extensive properties such as professional advice, fully satisfactory after-sales service, supplying with the most competitive and reasonable pricing.

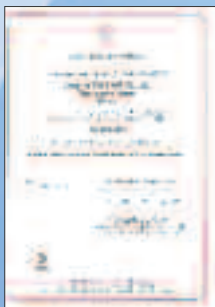
Our fundamental policy Producing the most qualified chain used in all the industrial fields lasts as our first and final goal unchanged in the past, at present and in the future.

품질은 저희 회사에서는 제품과 사내의 모든 조직에서 최우선으로 지향되는 부분이며 저희에게 품질은 단순히 질 좋은 제품을 의미하는 것이 아니라 전문적인 자문, 고객만족 서비스, 품질대비 최고의 가격 제품을 제공하는 전체를 의미합니다. <모든 산업에 사용되는 최고 품질의 체인의 생산>이는 과거, 현재, 미래의 동보체인 최고 목표입니다.

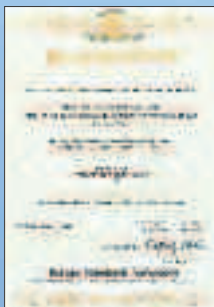
Strict quality management system assured by ISO 9001:2000 certificate acquisition
 KS (Korean Standard) and JIS (Japan Industrial Standards) certificate acquired
 products with advanced quality
 Quality Certificate by MAN Diesel & Turbo
 Complete technical aid from laying out stage
 Thorough & step by step quality inspection on material up to finished product

ISO 9001 : 2000 인증을 획득한 엄격한 품질 관리 시스템
 KS 및 JIS 인증을 획득한 고품질 제품
 MAN Diesel & Turbo사의 품질인증
 설계 시부터 완벽한 기술 지원
 원재료에서 완성품 까지 철저한 단계별 품질검사

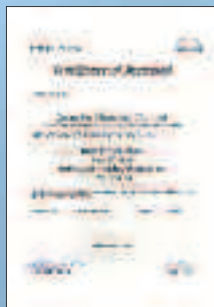
Main Factory



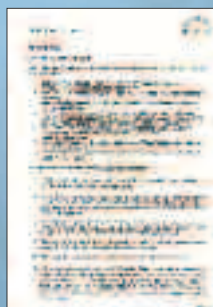
ISO 9001



KS



MAN Diesel & Turbo



MAN Diesel & Turbo



JIS



싱글 PPM

China Factory



JIS



KS



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Power Transmission Roller Chain



PART 1.



Power Transmission Roller Chain
동력전달용 로울러체인

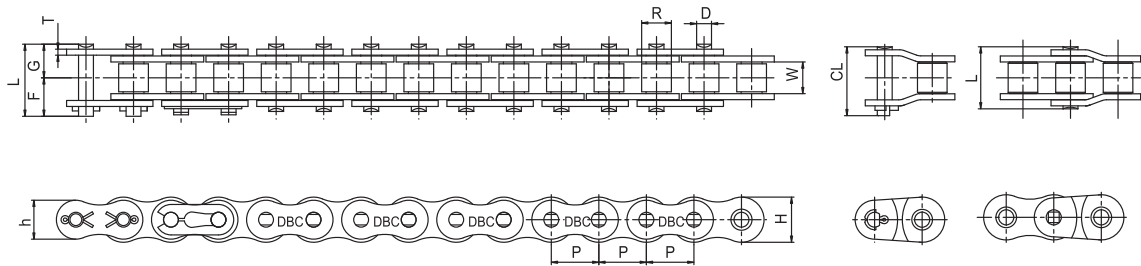
ANSI Standard Roller Chain - Single Strand

표준형 로울러 체인 - 1열



This is a standard for power transmission roller chain and complies to
 Korean Standard KS B 1407
 American Standard ANSI B 29.1
 Japanese Standard JIS B 1801
 International Standard ISO R606 (Type-A).
 Our high quality DBC25~240 chains has certificate <KS>.

이 체인은 동력전달용 로울러 체인의 표준형으로서
 한국규격 KS B 1407
 미국규격 ANSI B 29.1
 일본규격 JIS B 1801
 국제규격 ISO R 606(A형)의 규격과 동일하게 제작되며
 전제품 KS인증을 획득한 고품질 제품입니다.



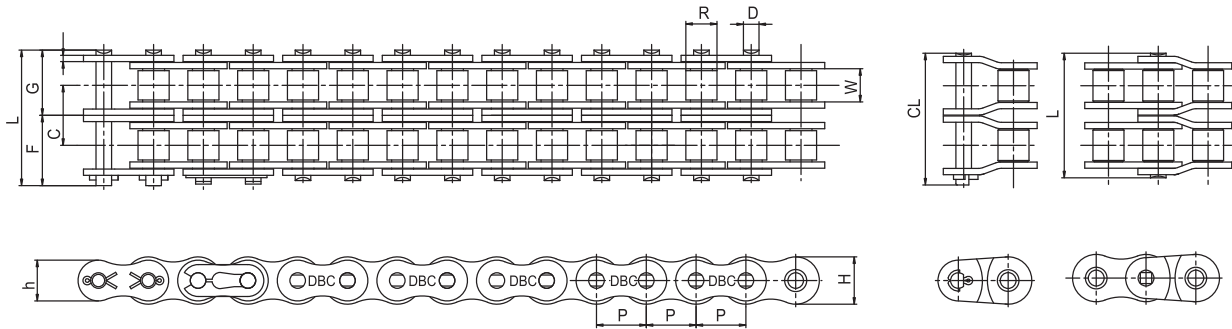
unit : mm

Standard Designation	ANSI No.	ISO No.	Pitch	Inner width	Roller Dia	Plate			Pin				Transverse pitch	Min. Breaking Load	Max. Allowable Load	Approx Weight	
						P	W _{min}	R _{max}	T	H _{max}	h _{max}	D _{max}					L
DBC	25-1	04C-1	6.35	3.10	*3.30	0.75	6.0	5.2	2.31	7.6	3.8	4.8		6.4	370	65	0.14
DBC	35-1	06C-1	9.525	4.68	*5.08	1.25	9.0	7.8	3.59	11.7	5.85	6.85	13.5	10.1	890	220	0.33
DBC	41-1	-	12.70	6.25	7.77	1.25	9.9	8.5	3.59	13.5	6.75	7.95	15.1		680	230	0.41
DBC	40-1	08A-1	12.70	7.85	7.92	1.5	12.0	10.4	3.98	16.5	8.25	9.95	18.0	14.4	1,550	370	0.64
DBC	50-1	10A-1	15.875	9.40	10.16	2.0	15.0	13.0	5.09	20.6	10.3	12.0	22.5	18.1	2,450	650	1.04
DBC	60-1	12A-1	19.05	12.57	11.91	2.4	18.1	15.6	5.96	25.7	12.85	15.25	28.2	22.8	3,490	900	1.53
DBC	80-1	16A-1	25.40	15.75	15.88	3.2	24.1	20.8	7.94	32.5	16.25	19.25	36.6	29.3	6,250	1,500	2.66
DBC	100-1	20A-1	31.75	18.90	19.05	4.0	30.1	26.0	9.54	39.5	19.75	22.85	44.4	35.8	9,740	2,300	3.99
DBC	120-1	24A-1	38.1	25.22	22.23	4.8	36.2	31.2	11.11	49.8	24.9	28.9	55.8	45.4	14,000	3,100	5.93
DBC	140-1	28A-1	44.45	25.22	25.40	5.6	42.2	36.4	12.71	53.8	26.9	31.7	60.5	48.9	18,970	4,100	7.49
DBC	160-1	32A-1	50.80	31.55	28.58	6.4	48.2	41.6	14.29	63.7	31.85	36.85	71.0	58.5	24,960	5,400	10.10
DBC	180-1	-	57.15	35.48	35.71	7.1	54.2	46.8	17.46	71.3	35.65	42.45	80.6	65.8	31,450	6,200	13.45
DBC	200-1	40A-1	63.50	37.85	39.68	8.0	60.3	52.0	19.85	78.0	39.0	44.8	87.3	71.6	38,950	7,300	16.49
DBC	240-1	48A-1	76.20	47.35	47.63	9.5	72.4	62.4	23.81	95.8	47.9	55.5	106.7	87.8	56,170	10,100	24.5

Note) Spring Clip type connecting link is applied to DBC 60 and smaller and Cotter type applied to DBC 80 and larger.
 주) DBC 60번 이하는 스프링클립형 연결구가, 80번 이상은 분할핀형 연결구가 표준으로 사용 됩니다.
 *offset link 사용의 경우는 상기표 최대허용장력의 65%를 적용.

ANSI Standard Roller Chain - Double Strand

표준형 로울러 체인 - 2열

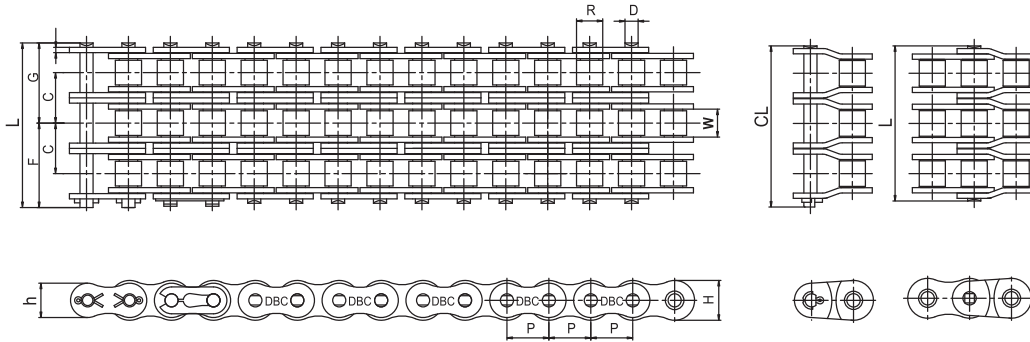


unit : mm

Standard Designation	ANSI No.	ISO No.	Pitch	Inner width	Roller Dia	Plate			Pin				Transverse pitch	Min. Breaking Load	Max. Allowable Load	Approx Weight	
			P	W _{min}	R _{max}	T	H _{max}	h _{max}	D _{max}	L	F	G					CL
DBC	25 - 2	04C - 2	6.35	3.10	*3.30	0.75	6.0	5.2	2.31	14.0	7.0	8.0		6.4	740	110	0.27
DBC	35 - 2	06C - 2	9.525	4.68	*5.08	1.25	9.0	7.8	3.59	21.8	10.9	11.9	24.5	10.1	1,780	370	0.69
DBC	40 - 2	08A - 2	12.70	7.85	7.92	1.5	12.0	10.4	3.98	30.9	15.45	17.15	33.5	14.4	3,100	630	1.27
DBC	50 - 2	10A - 2	15.875	9.40	10.16	2.0	15.0	13.0	5.09	38.7	19.35	21.15	41.8	18.1	4,900	1,100	2.07
DBC	60 - 2	12A - 2	19.05	12.57	11.91	2.4	18.1	15.6	5.96	48.5	24.25	26.75	52.6	22.8	6,980	1,530	3.04
DBC	80 - 2	16A - 2	25.40	15.75	15.88	3.2	24.1	20.8	7.94	61.8	30.9	33.9	67.5	29.3	12,500	2,550	5.27
DBC	100 - 2	20A - 2	31.75	18.90	19.05	4.0	30.1	26.0	9.54	75.4	37.7	40.8	81.5	35.8	19,480	3,910	7.85
DBC	120 - 2	24A - 2	38.1	25.22	22.23	4.8	36.2	31.2	11.11	95.2	47.6	51.6	103.2	45.4	28,000	5,270	11.70
DBC	140 - 2	28A - 2	44.45	25.22	25.40	5.6	42.2	36.4	12.71	102.7	51.35	56.15	112.3	48.9	37,940	6,970	14.83
DBC	160 - 2	32A - 2	50.80	31.55	28.58	6.4	48.2	41.6	14.29	122.3	61.15	66.15	132.2	58.5	49,920	9,180	20.04
DBC	180 - 2	-	57.15	35.48	35.71	7.1	54.2	46.8	17.46	137.5	68.75	75.35	151.1	65.8	62,900	10,540	26.52
DBC	200 - 2	40A - 2	63.50	37.85	39.68	8.0	60.3	52.0	19.85	149.7	74.85	80.65	161.2	71.6	77,900	12,410	32.63
DBC	240 - 2	48A - 2	76.20	47.35	47.63	9.5	72.4	62.4	23.81	183.8	91.9	99.4	198.4	87.8	112,340	17,170	48.1

ANSI Standard Roller Chain - Triple Strand

표준형 로울러 체인 - 3열

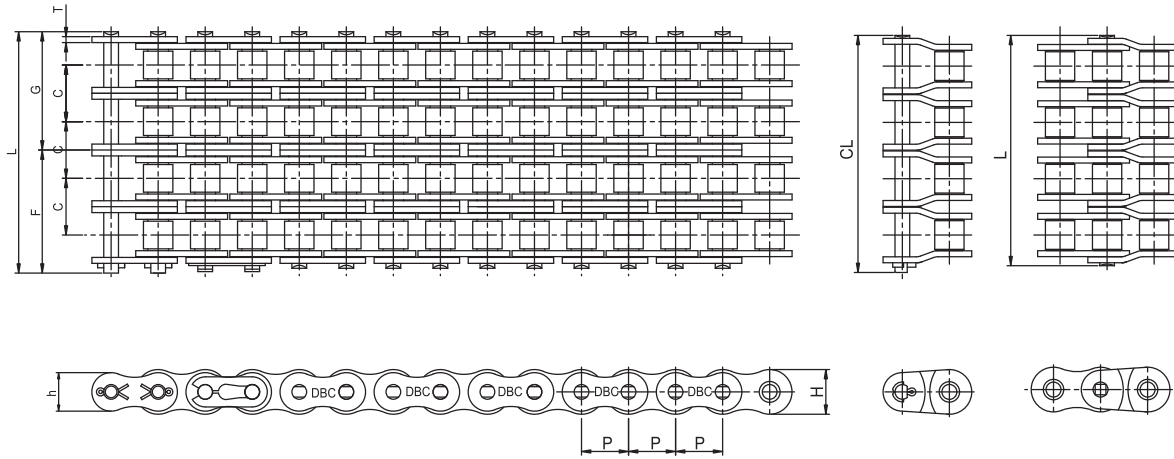


unit : mm

DONG BO Chain No.	Standard Designation	ANSI No.	ISO No.	Pitch		Inner width		Roller Dia		Plate				Pin				Transverse pitch	Min. Breaking Load	Max. Allowable Load	Approx Weight
				P	W min	R max	T	H max	h max	D max	L	F	G	CL	C	kgf	kgf				
DBC	35-3	06C-3	9.525	4.68	*5.08	1.25	9.0	7.8	3.59	32.0	16.0	16.9	34.6	10.1	3,670	550	1.05				
DBC	40-3	08A-3	12.70	7.85	7.92	1.5	12.0	10.4	3.98	45.3	22.65	24.15	47.9	14.4	4,650	930	1.90				
DBC	50-3	10A-3	15.875	9.40	10.16	2.0	15.0	13.0	5.09	56.8	28.4	30.2	59.9	18.1	7,350	1,630	3.09				
DBC	60-3	12A-3	19.05	12.57	11.91	2.4	18.1	15.6	5.96	71.3	35.65	38.15	75.5	22.8	10,470	2,250	4.54				
DBC	80-3	16A-3	25.40	15.75	15.88	3.2	24.1	20.8	7.94	91.2	45.6	48.5	96.9	29.3	18,750	3,750	7.89				
DBC	100-3	20A-3	31.75	18.90	19.05	4.0	30.1	26.0	9.54	111.3	55.65	58.75	117.3	35.8	29,220	5,750	11.77				
DBC	120-3	24A-3	38.1	25.22	22.23	4.8	36.2	31.2	11.11	140.8	70.4	74.4	148.6	45.4	42,000	7,750	17.53				
DBC	140-3	28A-3	44.45	25.22	25.40	5.6	42.2	36.4	12.71	151.7	75.85	80.75	161.3	48.9	56,910	10,250	22.20				
DBC	160-3	32A-3	50.80	31.55	28.58	6.4	48.2	41.6	14.29	180.9	90.45	95.45	190.7	58.5	74,880	13,500	30.02				
DBC	180-3	-	57.15	35.48	35.71	7.1	54.2	46.8	17.46	203.4	101.7	108.5	216.9	65.8	94,350	15,500	38.22				
DBC	200-3	40A-3	63.50	37.85	39.68	8.0	60.3	52.0	19.85	221.5	110.75	116.45	233.0	71.6	116,850	18,250	49.02				
DBC	240-3	48A-3	76.20	47.35	47.63	9.5	72.4	62.4	23.81	271.7	135.85	143.15	286.3	87.8	168,510	25,250	71.6				

ANSI Standard Roller Chain - 4.5.6 Strand

표준형 로울러 체인 - 4.5.6열

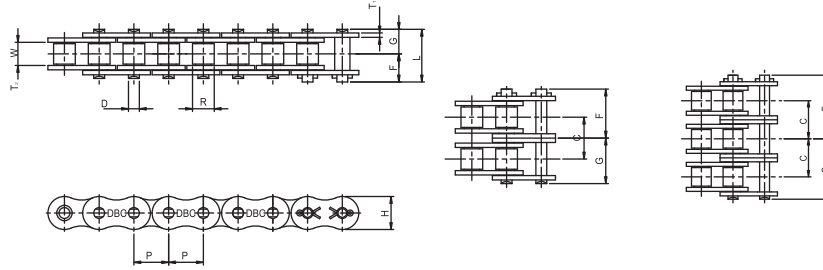


unit : mm

Standard Designation	ANSI No.	ISO No.	Pitch	Inner width	Roller Dia	Plate			Pin					Transverse pitch	Min. Breaking Load	Max. Allowable Load	Approx Weight
			P	W _{min}	R _{max}	T	H _{max}	h _{max}	D _{max}	L	F	G	CL	C	kgf	kgf	kg / m
DBC	40-4	08A-4	12.7	7.85	7.92	1.5	12.0	10.4	3.98	59.8	29.9	31.3	62.3	14.4	6,200	1,220	2.53
	40-5	08A-5								74.2	37.1	38.6	76.8		7,750	1,440	3.16
	40-6	08A-6								88.6	44.3	45.8	91.2		9,300	1,700	3.79
DBC	50-4	10A-4	15.875	9.40	10.16	2.0	15.0	13.0	5.09	74.9	37.45	39.25	78.1	18.1	9,800	2,150	4.11
	50-5	10A-5								93.0	46.5	48.3	96.2		12,250	2,540	5.14
	50-6	10A-6								111.2	55.6	57.4	114.4		14,700	2,990	6.16
DBC	60-4	12A-4	19.05	12.57	11.91	2.4	18.1	15.6	5.96	94.1	47.05	49.55	98.3	22.8	13,960	2,970	6.04
	60-5	12A-5								117.0	58.5	61.0	121.2		17,450	3,510	7.54
	60-6	12A-6								139.8	69.9	72.5	144.0		20,940	4,140	9.05
DBC	80-4	16A-4	25.40	15.75	15.88	3.2	24.1	20.8	7.94	120.5	60.25	63.25	126.3	29.3	25,000	4,950	10.50
	80-5	16A-5								149.9	74.95	77.95	155.6		31,250	5,850	13.11
	80-6	16A-6								179.2	89.6	92.5	184.9		37,500	6,900	15.73
DBC	100-4	20A-4	31.75	18.90	19.05	4.0	30.1	26.0	9.54	147.1	73.55	76.65	153.1	35.8	38,960	7,990	15.70
	100-5	20A-5								183.0	91.5	94.6	188.9		48,700	8,970	19.53
	100-6	20A-6								218.9	109.45	112.55	224.7		58,440	10,580	23.48
DBC	120-4	24A-4	38.10	25.22	22.23	4.8	36.2	31.2	11.11	186.2	93.1	97.1	194.0	45.4	56,000	10,230	23.36
	120-5	24A-5								231.7	115.85	119.85	239.4		70,000	12,090	29.16
	120-6	24A-6								277.1	138.55	142.55	284.8		84,000	14,260	34.96
DBC	140-4	28A-4	44.45	25.22	25.40	5.6	42.2	36.4	12.71	200.6	100.3	105.2	210.2	48.9	75,880	13,530	28.52
	140-5	28A-5								249.6	124.8	129.6	259.1		94,850	15,990	36.97
	140-6	28A-6								298.6	149.3	154.2	308.0		113,820	18,860	44.30
DBC	160-4	32A-4	50.80	31.55	28.58	6.4	48.2	41.6	14.29	239.5	119.75	124.65	249.2	58.5	99,840	17,820	40.06
	160-5	32A-5								298.1	149.05	153.95	307.7		124,800	21,060	49.89
	160-6	32A-6								356.6	178.3	183.3	366.2		149,760	24,840	59.93
DBC	180-4	-	57.15	35.48	35.71	7.1	54.2	46.8	17.46	269.3	134.65	141.45	282.8	65.8	125,800	20,460	50.90
	180-5	-								335.2	167.6	174.4	348.6		157,250	24,180	63.59
	180-6	-								401.1	200.55	207.35	414.4		188,700	28,520	76.27
DBC	200-4	40A-4	63.50	37.85	39.68	8.0	60.3	52.0	19.85	293.2	146.6	152.3	304.7	71.6	155,800	24,090	65.16
	200-5	40A-5								364.8	182.4	188.2	376.3		194,750	28,470	81.32
	200-6	40A-6								436.5	218.25	224.05	448.0		233,700	33,580	97.59
DBC	240-4	48A-4	76.20	47.35	47.63	9.5	72.4	62.4	23.81	359.6	179.8	187.3	374.2	87.8	224,680	33,330	95.1
	240-5	48A-5								447.5	223.75	231.26	462.0		280,850	39,390	118.6
	240-6	48A-6								535.4	267.7	275.1	550.1		337,020	46,460	142.1

BS / DIN Standard Roller Chain

표준형 로울러 체인[II] : 유럽규격



unit : mm

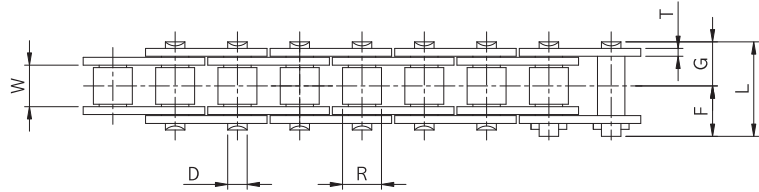
DONG BO Chain No.		Pitch	Inner Width	Roller Dia	Plate				Pin		Transverse pitch	Min. Breaking Load
Standard Designation	BS CHAIN No.				P	W min	R max	T1	T2	H max		
DBC	06B-1	9.525	5.72	6.35	1.00	1.30	8.26	8.26	3.28	13.5	10.24	910
	06B-2									23.8		1,730
	06B-3									34.0		2,540
DBC	08B-1	12.70	7.75	8.51	1.50	1.50	11.81	10.92	4.45	17.0	13.92	1,820
	08B-2									31.0		3,180
	08B-3									44.9		4,540
DBC	10B-1	15.875	9.65	10.16	1.50	1.50	14.73	13.72	5.08	19.6	16.59	2,270
	10B-2									36.2		4,540
	10B-3									52.8		6,810
DBC	12B-1	19.05	11.68	12.07	1.70	1.80	16.13	16.13	5.72	22.7	19.46	2,950
	12B-2									42.2		5,900
	12B-3									61.7		8,850
DBC	16B-1	25.40	17.02	15.88	3.20	4.0	21.08	21.08	8.28	36.1	31.88	6,130
	16B-2									68.0		10,820
	16B-3									99.9		16,330
DBC	20B-1	31.75	19.56	19.05	3.50	4.50	26.42	26.42	10.19	43.2	36.45	9,700
	20B-2									79.7		17,350
	20B-3									116.1		25,510
DBC	24B-1	38.10	25.40	25.40	5.20	6.0	33.40	33.40	14.63	53.4	48.36	16,330
	24B-2									101.8		28,580
	24B-3									150.0		43,370
DBC	28B-1	44.45	30.99	27.94	6.30	7.50	37.08	37.08	15.90	65.1	59.56	20,410
	28B-2									124.7		36,740
	28B-3									184.3		54,080
DBC	32B-1	50.80	30.99	29.21	6.30	7.0	42.29	42.29	17.81	67.4	58.55	25,510
	32B-2									126.0		45,920
	32B-3									184.5		68,370
DBC	40B-1	63.50	38.10	39.37	8.0	9.5	52.96	52.96	22.89	78.20	72.29	36,220
	40B-2									151.20		64,300
	40B-3									223.90		96,940
DBC	48B-1	76.20	45.72	48.26	10.0	12.0	63.88	63.88	29.24	98.70	91.21	57,140
	48B-2									190.00		103,040
	48B-3									281.60		228,570
DBC	56B-1	88.90	53.34	53.98	12.0	14.0	77.85	77.85	34.32	114.50	106.60	86,730
	56B-2									221.10		163,270
DBC	64B-1	101.60	60.96	63.50	14.0	16.0	90.17	90.17	39.40	126.80	119.89	114,290
	64B-2									247.00		204,080
DBC	72B-1	114.30	68.58	72.39	16.0	17.0	103.60	103.60	44.48	144.40	136.27	142,860

Straight Side Plate Chain

직선플레이트형 로울러 체인

This chain is based on ANSI standard roller chain but outer plates are the same as inner plates in straight form, thickness and height. It has greater fatigue strength performance than standard roller chain and can also be used for a conveyor.

플레이트의 형태가 표준형과는 달리 직선형으로 제작된 체인으로 판, 외판의 플레이트의 두께, 높이, 형태가 동일합니다. 표준형 로울러 체인보다 피로강도가 높은 장점이 있으며, 컨베이어 체인처럼 이송물을 직접 체인위에 적재하여 사용할 수 있습니다. 또한 스프라켓은 표준형 로울러 체인의 것과 호환이 가능합니다.



unit : mm

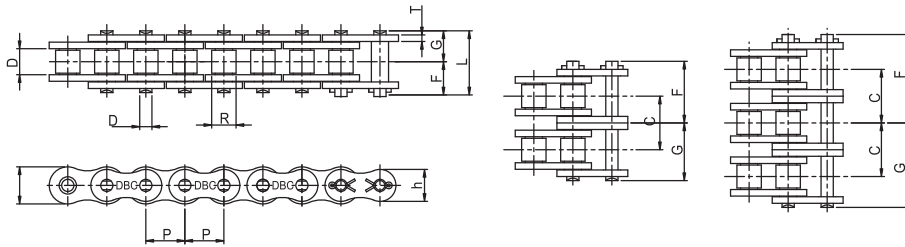
DONG BO Chain No.	Pitch	Inner Width Link Plates	Roller Dia	Plate		Pin				Transverse pitch	Min. Breaking Load	Max. Allowable Load	Approx Weight
				T	H max	D max	L	F	G				
DBC C40-1	12.70	7.85	7.92	1.5	12.0	3.98	16.5	8.25	9.95	14.4	1,550	370	0.64
DBC C40-2							30.9	15.45	17.15				
DBC C40-3							45.3	22.65	24.15				
DBC C50-1	15.875	9.40	10.16	2.0	15.0	5.09	20.6	10.3	12.0	18.1	2,450	650	1.04
DBC C50-2							38.7	19.35	21.15				
DBC C50-3							56.8	28.4	30.2				
DBC C60-1	19.05	12.57	11.91	2.4	18.1	5.96	25.7	12.85	15.25	22.8	3,490	900	1.53
DBC C60-2							48.5	24.25	26.75				
DBC C60-3							71.3	35.65	38.15				
DBC C80-1	25.40	15.75	15.88	3.2	24.1	7.94	32.5	16.25	19.25	29.3	6,250	1,500	2.66
DBC C80-2							61.8	30.9	33.9				
DBC C80-3							91.2	45.6	48.5				
DBC C100-1	31.75	19.05	19.05	4.0	30.1	9.54	39.5	19.75	22.85	35.8	9,740	2,300	3.99
DBC C100-2							75.4	37.7	40.8				
DBC C100-3							111.3	55.65	58.75				
DBC C120-1	38.10	25.40	22.23	4.8	36.2	11.11	49.8	24.9	28.9	45.4	14,000	3,100	5.93
DBC C120-2							95.2	47.6	51.6				
DBC C120-3							140.8	70.4	74.4				
DBC C140-1	44.45	25.40	25.40	5.6	42.2	12.71	53.8	26.9	31.7	48.9	18,970	4,100	7.49
DBC C140-2							102.7	51.35	56.15				
DBC C140-3							151.7	75.85	80.75				
DBC C160-1	50.80	31.75	28.58	6.4	48.2	14.29	63.7	31.85	36.85	58.5	24,960	5,400	10.10
DBC C160-2							122.3	61.15	66.15				
DBC C160-3							180.9	90.45	95.45				
DBC C180-1	57.15	35.72	35.71	7.1	54.2	17.46	71.3	35.65	42.45	65.8	31,450	6,200	13.45
DBC C180-2							137.5	68.75	75.35				
DBC C180-3							203.4	101.7	108.5				
DBC C200-1	63.50	38.10	39.68	8.0	60.3	19.85	78.0	39.0	44.8	71.6	38,950	7,300	16.49
DBC C200-2							149.7	74.85	80.65				
DBC C200-3							221.5	110.75	116.45				
DBC C240-1	76.20	47.63	47.63	9.5	72.4	23.81	95.8	47.9	55.5	87.8	56,170	10,100	24.5
DBC C240-2							183.8	91.9	99.4				
DBC C240-3							271.7	135.85	143.15				

Heavy series Roller Chain

강력형 [H] 로울러체인

The Heavy Series Roller (H) Chain has increased thickness of the roller link plate and the pin link plate than the Standard Roller Chain. Accordingly, it has enhanced ultimate tensile strength and allowable load by about 10%. By specially processing pin holes of the pin link plate, we improved minimized chain extension.

강력형(H)체인은 표준 로울러 체인에서 내·외판의 두께를 상향시킴에 따라 파단강도 및 허용하중을 증대 시켰으며(약 10%), 외판의 핀 구멍을 특수공법에 의해 가공함으로써 체인의 늘어남을 극소화 하였습니다.



unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia R	Plate			D	Pin		Transverse Pitch C	Max. Allowable Load(kgf)	Approx Weight (kgf)
				T	H	h		F	G			

Single strand : 단열

DBC 60H	19.05	12.70	11.91	3.2	18.1	15.6	5.96	14.8	17.0	-	1,000	1.80
DBC 80H	25.40	15.88	15.88	4.0	24.1	20.8	7.94	18.3	20.9	-	1,650	3.11
DBC 100H	31.75	19.05	19.05	4.8	30.1	26.0	9.54	21.8	24.5	-	2,500	4.58
DBC 120H	38.10	25.40	22.23	5.6	36.2	31.2	11.11	26.95	30.55	-	3,300	6.53
DBC 140H	44.45	25.40	25.40	6.4	42.2	36.4	12.71	28.9	33.1	-	4,350	8.27
DBC 160H	50.80	31.75	28.58	7.2	48.2	41.6	14.29	33.95	38.45	-	5,700	10.97
DBC 200H	63.50	38.10	39.69	9.5	60.3	52.0	19.85	42.9	48.1	-	8,000	18.41
DBC 240H	76.20	47.63	47.63	12.7	72.4	62.4	23.81	54.8	62.3	-	11,500	29.13

Double strand : 2열

DBC 60H-2	19.05	12.70	11.91	3.2	18.1	15.6	5.96	27.5	30.0	26.1	1,700	3.59
DBC 80H-2	25.40	15.88	15.88	4.0	24.1	20.8	7.94	34.5	37.9	32.6	2,810	6.18
DBC100H-2	31.75	19.05	19.05	4.8	30.1	26.0	9.54	41.4	44.1	39.1	4,250	9.03
DBC120H-2	38.10	25.40	22.23	5.6	36.2	31.2	11.11	51.15	55.15	48.9	5,610	12.90
DBC140H-2	44.45	25.40	25.40	6.4	42.2	36.4	12.71	54.95	59.5	52.2	7,400	16.38
DBC160H-2	50.80	31.75	28.58	7.2	48.2	41.6	14.29	64.9	69.5	61.9	9,690	21.78
DBC200H-2	63.50	38.10	39.69	9.5	60.3	52.0	19.85	82.05	87.3	78.3	13,600	36.47
DBC240H-2	76.20	47.63	47.63	12.7	72.4	62.4	23.81	105.3	113.3	101.2	19,550	57.35

Triple strand : 3열

DBC 60H-3	19.05	12.70	11.91	3.2	18.1	15.6	5.96	41.0	43.7	26.1	2,500	5.36
DBC 80H-3	25.40	15.88	15.88	4.0	24.1	20.8	7.94	50.75	53.85	32.6	4,130	9.24
DBC100H-3	31.75	19.05	19.05	4.8	30.1	26.0	9.54	60.95	63.75	39.1	6,250	13.54
DBC120H-3	38.10	25.40	22.23	5.6	36.2	31.2	11.11	75.8	79.6	48.9	8,250	19.33
DBC140H-3	44.45	25.40	25.40	6.4	42.2	36.4	12.71	81.05	85.6	52.2	10,880	24.54
DBC160H-3	50.80	31.75	28.58	7.2	48.2	41.6	14.29	95.4	100.6	61.9	14,250	32.63
DBC200H-3	63.50	38.10	39.69	9.5	60.3	52.0	19.85	120.9	126.2	78.3	20,000	54.77
DBC240H-3	76.20	47.63	47.63	12.7	72.4	62.4	23.81	155.05	163.15	101.2	28,750	85.47

NEX 1 Chain (Solid Bush Chain)

넥스1 체인

WHAT IS NEX 1 CHAIN?

The NEXT GENERATION CHAIN BRAND which guarantees minimum 3 times longer service life than normal chains.

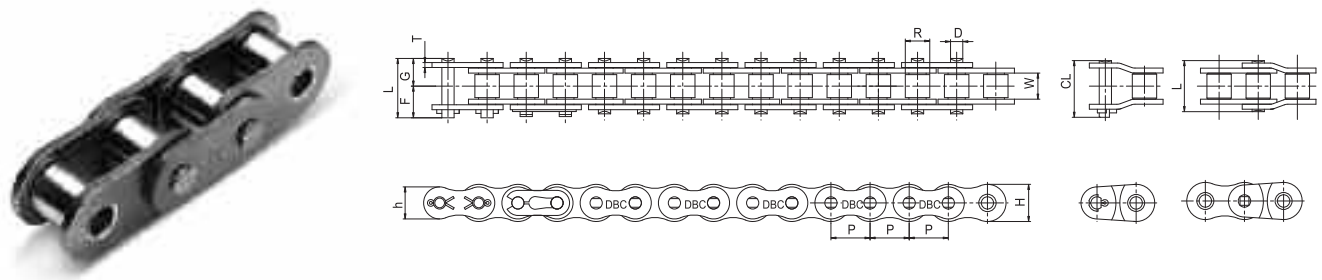
- Customer Satisfaction is a priority of **NEX 1** Chain
- **NEX 1** Chain which is made of changing the material of each part , Application of Solid Bush , Newest Heat-Treatment Method(Patent No. 2014-0024916).
- 10 % Increase of Guaranteed Breaking Load , 50 % Decrease of chain's elongation , Improvement of 3 times longer service life.

(All dementions are same as Standard Roller Chain)

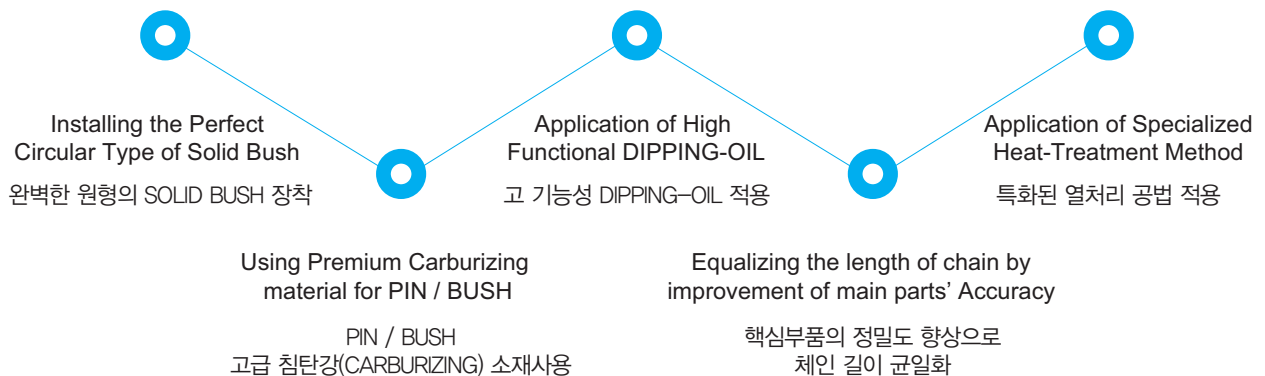
NEX 1 체인이란?

각 부품 재질의 변경, 솔리드 부쉬 적용, 특히 최신 열처리 공법 (특허출원번호 : 제2014-0024916)으로 제작된 **NEX1**체인은 고객만족을 최우선으로 하는 동보체인의 차세대 제품으로, 기존 체인 대비 보증 파단강도는 최소 10% 증가, 체인 늘어남 현상은 50% 감소, 체인 마모 수명은 최소 3배 이상 향상된 체인입니다.

(기존 R/S 체인과 치수는 동일합니다)



Feature of NEX 1 CHAIN / NEX 1 체인 세부특징



Solid Bush

- Install the perfect shape of Circular Solid Bush for minimizing Chain's elongation and improving lubrication by oil's anti-spattering
- 완벽한 원형의 SOLID BUSH를 장착하여 체인의 늘어남을 최소화 하고, 오일 비산방지로 윤활기능이 향상됨

[Comparison the shape of DBC R/S(Curling Bush) and **NEX 1** Chain (Solid Bush) / 기존 자사품과 신제품의 부쉬 형상 비교]

DIVISION	Out-of-roundness (BUSH)	Assembly Shape
DBC R/S(Curling Bush) Roundness 0.1 진원도 0.1		
NEX 1 Chain (Solid Bush) Roundness 0.03 진원도 0.03		

- **NEX 1**'s Roundness is 3 times more excellent than DBC R/S
- The Shape is almost close to the circular type . Maximizing the contact area with Pin and remarkably improving the wear life of Chain.
- 부쉬의 진원도가 기존 커링부쉬 대비 3배 이상 우수함
- 부쉬 형상은 완벽에 가까운 원형으로 핀과의 접촉면적을 극대화하여 체인의 마모수명을 현격히 향상시킴

NEX 1 Chain (Solid Bush Chain)

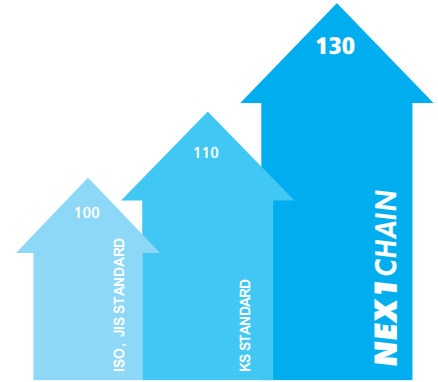
넥스1 체인

Improving the Breaking Load by Optimum Heat-Treatment.

최적의 열처리 공법을 통한 파단강도 향상

UNIT : kgf

DONGBO CHAIN NO.		JIS Standard Minimum Breaking Load		KS Standard Minimum Breaking Load		DBC Average Breaking Load	
		1열	2열	1열	2열	1열	2열
DBC	40 NEX1	1,420	2,840	1,550	3,100	1,900	3,800
DBC	50 NEX1	2,210	4,420	2,450	4,900	3,000	6,000
DBC	60 NEX1	3,200	6,400	3,490	6,980	4,200	8,400
DBC	80 NEX1	5,650	11,300	6,250	12,500	8,000	16,000
DBC	100 NEX1	8,850	17,700	9,740	19,480	12,500	25,000
DBC	120 NEX1	12,800	25,600	14,000	28,000	16,500	33,000
DBC	140 NEX1	17,400	34,800	18,970	37,940	22,000	44,000
DBC	160 NEX1	22,700	45,400	24,960	49,920	28,000	56,000
DBC	180 NEX1	28,700	57,400	31,450	62,900	34,600	69,200
DBC	200 NEX1	35,400	70,800	38,950	77,900	48,000	96,000
DBC	240 NEX1	51,100	102,200	56,170	112,340	61,800	123,600



Fatigue Strength Improvement / 피로강도(한도) 향상

- DBC has 30% Higher Fatigue Strength than other companies through exclusive technical skill in order to improve fatigue resistance force.
- 피로 저항력 향상을 위한 당사의 독보적인 기술력으로 타사 대비 30% 높은 피로강도를 가지고 있음

- Compare with ISO , JIS minimum breaking load, average 30% of breaking load has improved
- ISO, JIS 표준 최소파단강도 대비 평균 30% 이상 증가

Fatigue Strength Diagram / 피로강도 도표

UNIT : kgf

ITEMS	KS (Recommended)	JIS (Recommended)	Other Companies	DBC	
				DBC R/S	NEX1
#40	193	253	295	345	393
#50	306	392	468	547	626
#60	438	561	673	785	897

PIN & BUSH Material / PIN & BUSH 재질

- Application of Carburizing Material
- Applying the newest Heat-Treatment Method what contains improved Surface hardness / Deep hardness stability
- Application of Precision grinding : Improving the Surface Roughness of Pin / Bush and minimizing the coefficient of friction in order to reduce the noise and extend the service life of chain.
- CARBURIZING 소재 사용
- 표면 경도 경화/심부 경도 안정성을 향상 시킨 당사의 최신형 열처리 공법 적용 (특허출원번호 : 제2014-0024916)
- 정밀 연삭공법 적용 : 핀/부쉬의 표면 조도를 향상시켜 마찰계수를 최소화 함으로써, 소음 감소 및 체인 수명 연장

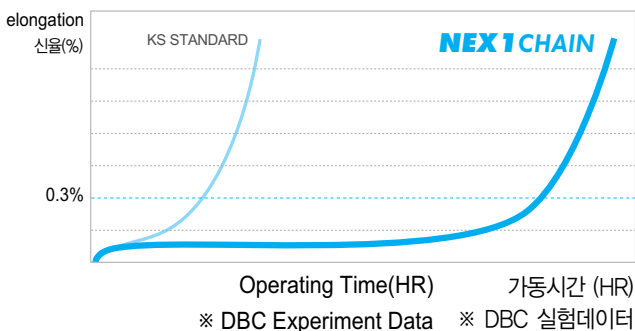
Improvement of Wear Resistance / 체인의 내마모성 향상

- Roundness Improvement for Bush
- Application of High Functional material for PIN / BUSH
- Application of High Functional DIPPING-OIL
- BUSH 진원도 향상
- PIN, BUSH 고급재질 적용
- 고 기능성 DIPPING-OIL 적용

NEW CONCEPT OF HIGH FUNCTIONAL DIPPING-OIL APPLICATION

신개념 고기능성 DIPPING-OIL 적용

- HIGH FUNCTIONAL DIPPING-OIL TREATMENT (Specialized oil for chain – Mutually developed with Oil Manufacturer and Exclusive Oil for DBC)
- Due to Improvement of Lubrication and Anti-Rust Function, the chain is maintaining the best functionality while keeping and using for a long time.
- 고 기능성 OIL-DIPPING 처리 (체인에 특화된 오일로 윤활유 제조사와 공동 개발된 동보체인만의 전용유임)
- 윤활성능 및 방청성능 향상으로 장기간 체인 보관 및 사용 시에도 최상의 기능성 유지



※ DBC Experiment Data ※ DBC 실험데이터

PART 2.



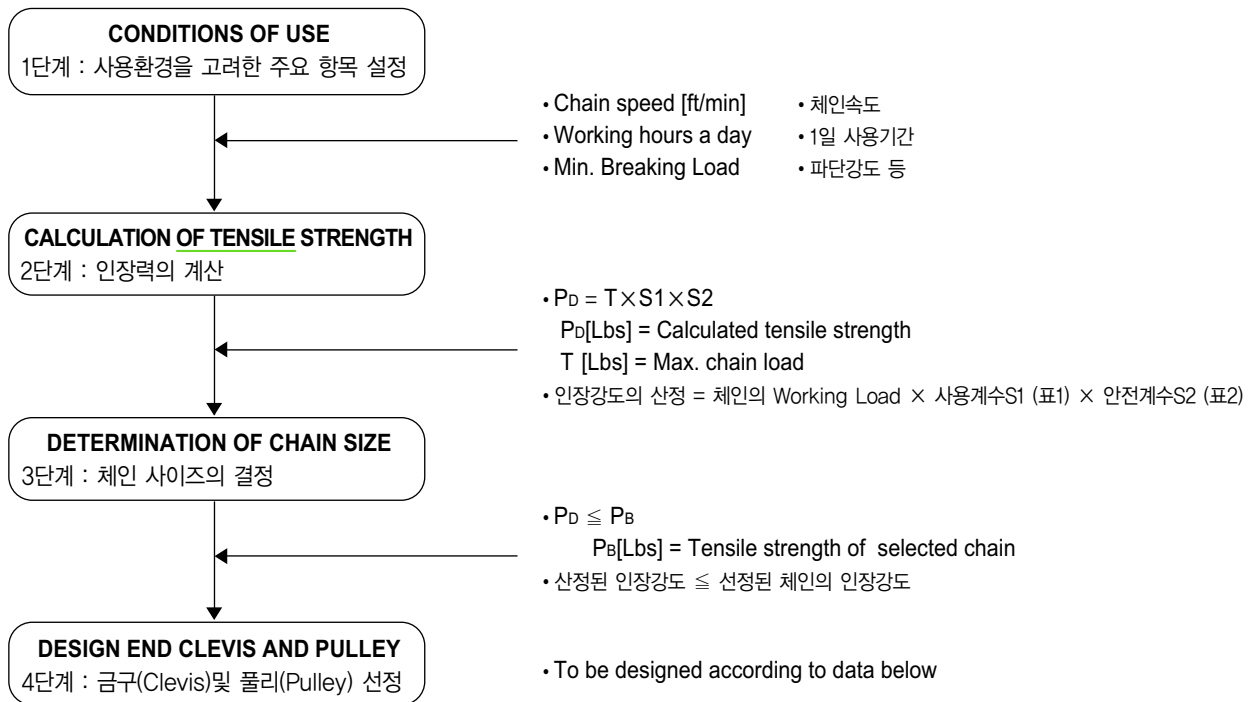
Leaf Chain
리프체인

Leaf Chain 리프 체인

Dong Bo Leaf chains consist of only simple Link plates held together by riveted pins for a high strength linkage. Combined with their greater tensile strength and directional flexibility, they find excellent applications, such as balance or counterweight, lift truck, fork lifts and other lifting machinery, which more at low speed.

동보 리프체인은 링크 플레이트와 고강도의 핀으로 구성되어 있으며, 뛰어난 인장력과 유연성을 지닐 수 있도록 조합되어 있습니다. 주 용도로는 균형유지장치, 리프트트럭, 지게차 기타 저속의 리프팅용 기계장치에 주로 사용되어 집니다.

Selection of Leaf Chain 리프체인의 선정 절차



Service Factor (S1)

Type of load	Shock		S ₁	Suitable chain size
AL series	Light	Suspension of counterweight	1.0	Less than 30
AL and LL series		Fork Lift	1.3	
BL series	Heavy	Mining machine Construction equipment	1.5	

[표1] 사용 계수 (S1)

체인 형식	하중의 종류	사용 계수	체인의 속도
AL 시리즈	규이하중, 불규칙 경하중	1.0	분당 30 미터 이하
AL 및 LL 시리즈		1.3	
BL 시리즈	불규칙 중(重)하중	1.5	

Safety Factor (S2)

Type of chain	No. of reciprocating motion [max./day]	S ₂	Chain speed
AL	10	9	max.
	100	12	
BL	1000	9	100ft / min

[표1] 안전 계수 (S2)

체인 형식	하중의 종류	안전 계수	체인의 속도
AL 시리즈	10	9	분당 30 미터 이하
	100	12	
BL 시리즈	1000	9	

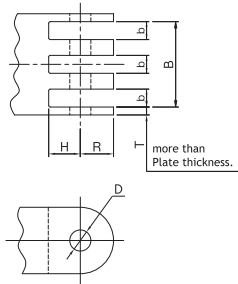
End Clevis (U-LINK) 금구 End Clevis

There are two kinds of end clevises for outer and inner links.
End clevis should be heat treated alloy steel because it requires strength.

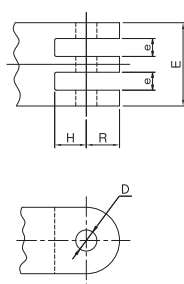
금구에는 내판 또는 외판 체결용으로 2가지의 종류가 있으며 높은 강도를 요구하므로 합금강 및 열처리 되어진 제품을 사용해야 합니다.

[AL / LL Type]

Clevis for inner Link
내판 체결용 금구

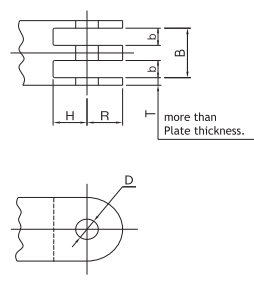


Clevis for outer Link
외판 체결용 금구

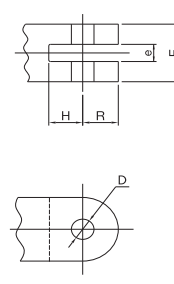


[BL Type]

Clevis for inner Link
내판 체결용 금구



Clevis for outer Link
외판 체결용 금구



AL-Type	D	R _{max}	H _{min}	B ^{+0.2} ₀	b ^{+0.1} ₀	E ⁰ _{+0.2}	e ^{+0.1} ₀
AL 422	+0.05 0			-		3.1	-
AL 444	4.02	6.3	6.0	9.8	3.4	9.5	3.4
AL 466				16.2		15.9	3.4
AL 522	+0.05 0			-		4.1	-
AL 544	5.13	7.9	7.2	12.9	4.4	12.6	4.4
AL 566				21.3		21.0	4.4
AL 622	+0.05 0			-		4.8	-
AL 644	6.00	9.5	9.0	15.0	5.1	14.7	5.1
AL 666				24.8		24.5	5.1
AL 822	+0.1 0			-		6.4	-
AL 844	7.97	12.7	11.5	20.3	6.9	19.8	6.9
AL 866				33.7		33.2	6.9
AL 1022	+0.1 0			-		8.0	-
AL 1044	9.57	15.8	14.5	25.1	8.5	24.6	8.5
AL 1066				41.7		41.2	8.5
AL 1222	+0.1 0			-		9.6	-
AL 1244	11.14	19.0	17.5	29.9	10.1	29.4	10.1
AL 1266				49.7		49.2	10.1
AL 1444	+0.1 0			-		34.5	11.9
AL 1466	12.74	22.2	20.0	35.1	11.9	57.7	11.9
				58.3			
AL 1644	+0.1 0			-		39.2	13.5
AL 1666	14.32	25.4	23.0	39.9	13.5	65.6	13.5
				66.3			

BL-Type	D	R _{max}	H _{min}	B ^{+0.2} ₀	b ^{+0.1} ₀	E ⁰ _{+0.2}	e ^{+0.1} ₀
BL 423	+0.05 0			-		6.5	6.2
BL 434	5.13	6.3	6.3	10.7	4.4	10.4	2.3
BL 446				17.1	6.5	16.8	4.4
BL 523	+0.05 0			-		7.6	7.3
BL 534	6.00	7.9	7.9	12.5	5.1	12.2	2.6
BL 546				19.9	7.6	19.6	5.1
BL 623	+0.05 0			-		10.3	9.8
BL 634	7.97	9.5	9.5	17.0	6.9	16.5	3.6
BL 646				27.0	10.3	26.5	6.9
BL 823	+0.1 0			-		12.7	12.2
BL 834	9.57	12.7	12.7	21.0	8.5	20.5	4.4
BL 846				33.4	12.7	32.9	8.5
BL 1023	+0.1 0			-		15.1	14.6
BL 1034	11.14	15.8	15.8	25.0	10.1	24.5	5.2
BL 1046				39.8	15.1	39.3	10.1
BL 1223	+0.1 0			-		17.7	17.1
BL 1234	12.74	19.0	19.0	29.3	11.9	28.7	6.1
BL 1246				46.7	17.7	46.1	11.9
BL 1423	+0.1 0			-		20.1	19.4
BL 1434	14.32	22.2	22.2	33.3	13.5	32.6	6.9
BL 1446				53.1	20.1	52.4	13.5
BL 1623	+0.1 0			-		23.1	22.1
BL 1634	17.49	25.4	25.4	38.2	15.6	37.2	8.0
BL 1646				60.9	23.1	59.9	15.6

AL-Type	D	R _{max}	H _{min}	B ^{+0.2} ₀	b ^{+0.1} ₀	E ⁰ _{+0.2}	e ^{+0.1} ₀
LL 0822	+0.05 0			-		2.7	
LL 0844	4.5	6.0	6.0	8.4	2.8	8.1	2.8
LL 0866				13.8		13.5	
				19.2		18.9	
LL 1022	+0.05 0			-		3.3	
LL 1044	5.15	7.9	8.0	10.5	3.4	10.2	3.4
LL 1066				17.3		17.0	
				24.0		23.7	
LL 1222	+0.05 0			-		3.8	
LL 1244	5.8	9.5	9.0	11.9	3.9	11.6	3.9
LL 1266				19.7		19.4	
				27.5		27.2	
LL 1622	+0.1 0			-		6.2	
LL 1644	8.4	12.7	12.0	19.6	6.5	19.2	6.5
LL 1666				32.4		32.2	
				45.6		45.2	
LL 1022	+0.1 0			-		7.4	
LL 1044	10.31	15.8	14.0	22.8	7.7	22.4	7.7
LL 1066				37.8		37.4	
				52.8		52.4	
LL 2022	+0.1 0			-		10.0	
LL 2044	14.75	19.0	18.0	31.4	10.6	31.0	10.6
LL 2066				52.4		52.0	
				73.4		73.0	
LL 2422	+0.1 0			-		12.0	
LL 2444	16.5	22.2	20.0	38.5	13.0	38.0	13.0
LL 2466				64.5		64.0	
				90.5		90.0	
LL 3222	+0.1 0			-		12.0	
LL 3244	18.0	25.4	23.0	38.5	13.0	38.0	13.0
LL 3266				64.5		64.0	
				90.5		90.0	

Pulley 풀리

SD = Min. pulley diameter = P × 5

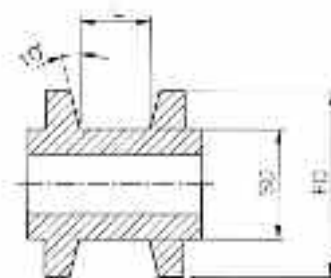
L = Min. groove width = (Overall pin length) × 1.05

FD = Flange outside diameter = SD + Chain link plate height

SD = 풀리 최소 직경 = 피치 × 5

L = 홈의 최소 넓이 = 전면 핀길이 × 1.05

FD = 플랜지의 외경 = SD + 체인 링크 플레이트의 높이



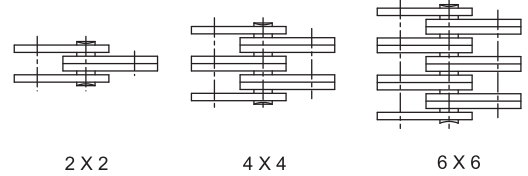
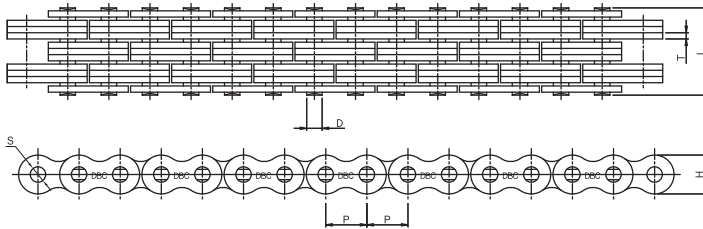
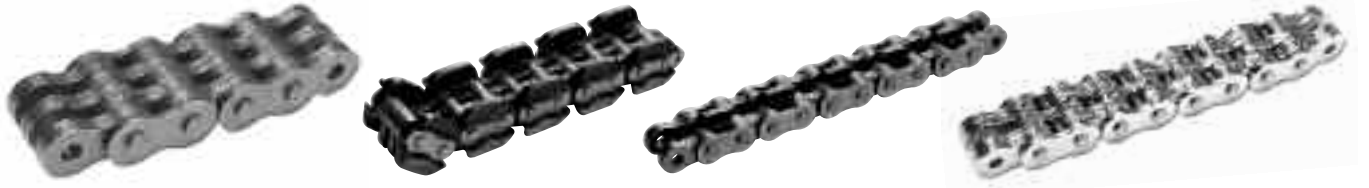
Leaf chain

리프체인

Type -A Leaf Chain (Standard series) A타입 리프체인 (표준형)

Plate exterior, thickness and pin external diameter are identical to those of ANSI Standard roller chains with same pitch.

플레이트의 외형 및 두께, 핀의 외경은 동일피치의 표준형로울러 체인과 같습니다.



unit : mm

DONG BO Chain No.	Lacing 배열	Pitch P	Plate			Pin		Breaking load (Kgf)		Approx Weight Kg / m
			T	H	S	D	L	DBC	A.N.S.I	
DBC AL-422	2×2	12.70	1.5	10.4	4.02	3.97	8.40	1,700	1,500	0.38
DBC AL-444	4×4	12.70	1.5	10.4	4.02	3.97	14.85	3,400	3,000	0.74
DBC AL-466	6×6	12.70	1.5	10.4	4.02	3.97	21.30	5,100	4,500	1.10
DBC AL-522	2×2	15.875	2.0	13.0	5.13	5.08	10.85	2,800	2,500	0.62
DBC AL-544	4×4	15.875	2.0	13.0	5.13	5.08	19.35	5,600	5,000	1.22
DBC AL-566	6×6	15.875	2.0	13.0	5.13	5.08	27.80	8,400	7,600	1.81
DBC AL-622	2×2	19.05	2.4	15.6	6.00	5.94	12.65	3,900	3,400	0.87
DBC AL-644	4×4	19.05	2.4	15.6	6.00	5.94	22.55	7,800	6,900	1.71
DBC AL-666	6×6	19.05	2.4	15.6	6.00	5.94	32.45	11,700	10,000	2.54
DBC AL-822	2×2	25.40	3.2	20.8	7.97	7.90	16.35	6,600	6,000	1.51
DBC AL-844	4×4	25.40	3.2	20.8	7.97	7.90	29.80	13,200	12,000	2.98
DBC AL-866	6×6	25.40	3.2	20.8	7.97	7.90	43.20	19,800	17,900	4.44
DBC AL-1022	2×2	31.75	4.0	26.0	9.57	9.48	20.05	10,000	8,700	2.69
DBC AL-1044	4×4	31.75	4.0	26.0	9.57	9.48	36.70	20,000	17,500	5.31
DBC AL-1066	6×6	31.75	4.0	26.0	9.57	9.48	53.30	30,000	26,300	7.93
DBC AL-1222	2×2	38.10	4.8	31.2	11.14	11.04	24.20	14,000	12,400	3.57
DBC AL-1244	4×4	38.10	4.8	31.2	11.14	11.04	44.00	28,800	24,900	7.07
DBC AL-1266	6×6	38.10	4.8	31.2	11.14	11.04	63.85	43,200	37,400	10.56
DBC AL-1444	4×4	44.45	5.6	36.4	12.74	12.64	51.30	38,000	31,400	10.34
DBC AL-1466	6×6	44.45	5.6	36.4	12.74	12.64	74.55	57,000	47,200	15.16
DBC AL-1644	4×4	50.80	6.4	41.6	14.32	14.21	58.05	48,000	39,700	12.98
DBC AL-1666	6×6	50.80	6.4	41.6	14.32	14.21	84.45	72,000	59,600	19.41

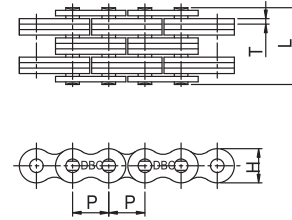
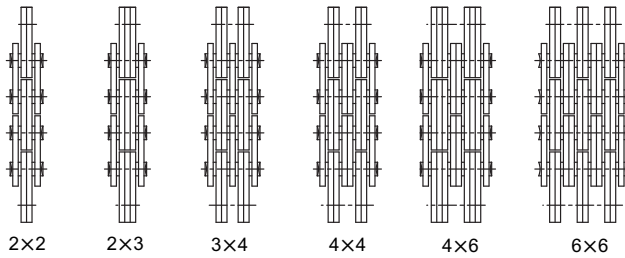
Note) Plate layouts and dimensions of A, B type Leaf Chains can be custom-made according to order.

주) A · B 타입 리프체인의 플레이트 배열 및 치수는 주문에 따라 변경 제작 가능합니다.

Type -B Leaf Chain (Heavy series) B타입 리프체인 (강력형)

The plate exterior is identical to that of the ANSI Standard Roller Chain, but the plate thickness and the pin external diameter are identical to those of the Roller Chain one size larger.

플레이트의 외형은 표준형 로울러 체인과 동일하나 플레이트의 두께 및 핀외경은 1사이즈 높은 피치의 로울러 체인의 것과 동일합니다.



unit : mm

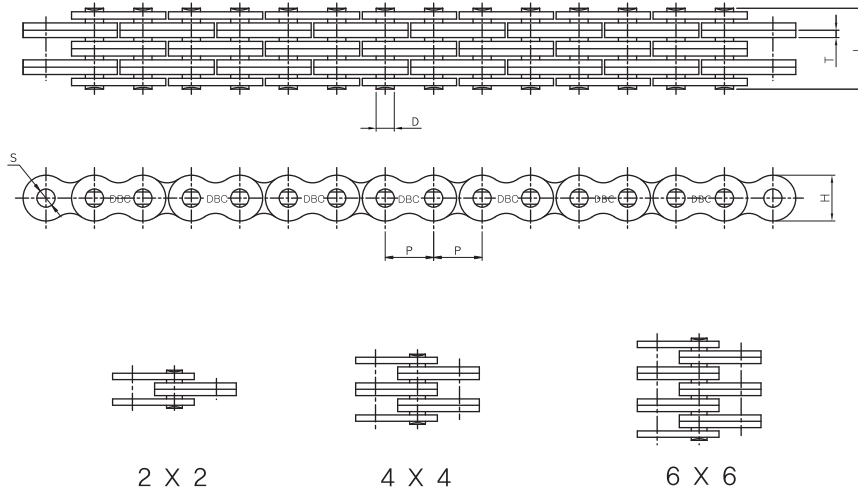
DONG BO Chain No.	Lacing 배열	Pitch P	Plate			Pin		Breaking Load (Kgf)		Approx Weight Kg/m
			T	H	S	D	L	DBC	A.N.S.I	
DBC BL-422	2x2	12.70	2.0	12.0	5.13	5.08	10.85	2,400	2,300	0.68
DBC BL-423	2x3	12.70	2.0	12.0	5.13	5.08	12.95	2,400	2,300	0.84
DBC BL-434	3x4	12.70	2.0	12.0	5.13	5.08	17.20	3,600	3,400	1.13
DBC BL-444	4x4	12.70	2.0	12.0	5.13	5.08	19.41	4,800	4,500	1.28
DBC BL-446	4x6	12.70	2.0	12.0	5.13	5.08	23.60	4,800	4,500	1.65
DBC BL-466	6x6	12.70	2.0	12.0	5.13	5.08	27.80	7,100	6,800	1.96
DBC BL-522	2x2	15.875	2.4	15.0	6.00	5.94	12.65	4,000	3,400	1.07
DBC BL-523	2x3	15.875	2.4	15.0	6.00	5.94	15.10	4,000	3,400	1.27
DBC BL-534	3x4	15.875	2.4	15.0	6.00	5.94	20.10	6,000	5,000	1.69
DBC BL-544	4x4	15.875	2.4	15.0	6.00	5.94	22.56	8,000	6,800	1.89
DBC BL-546	4x6	15.875	2.4	15.0	6.00	5.94	27.50	8,000	6,800	2.40
DBC BL-566	6x6	15.875	2.4	15.0	6.00	5.94	32.45	12,000	10,200	2.80
DBC BL-622	2x2	19.05	3.2	18.1	7.97	7.90	16.38	6,500	5,000	1.68
DBC BL-623	2x3	19.05	3.2	18.1	7.97	7.90	19.75	6,500	5,000	2.04
DBC BL-634	3x4	19.05	3.2	18.1	7.97	7.90	26.45	9,750	7,700	2.83
DBC BL-644	4x4	19.05	3.2	18.1	7.97	7.90	29.80	13,000	10,000	3.18
DBC BL-646	4x6	19.05	3.2	18.1	7.97	7.90	36.50	13,000	10,000	4.01
DBC BL-666	6x6	19.05	3.2	18.1	7.97	7.90	43.20	19,500	15,000	4.73
DBC BL-822	2x2	25.40	4.0	24.1	9.57	9.48	20.17	10,500	8,600	2.59
DBC BL-823	2x3	25.40	4.0	24.1	9.57	9.48	24.20	10,500	8,600	3.20
DBC BL-834	3x4	25.40	4.0	24.1	9.57	9.48	32.55	15,800	13,200	4.44
DBC BL-844	4x4	25.40	4.0	24.1	9.57	9.48	36.90	19,400	17,300	5.04
DBC BL-846	4x6	25.40	4.0	24.1	9.57	9.48	45.00	19,400	17,300	6.32
DBC BL-866	6x6	25.40	4.0	24.1	9.57	9.48	53.30	29,200	25,900	7.54
DBC BL-1022	2x2	31.75	4.8	30.1	11.14	11.04	23.98	14,400	11,800	3.76
DBC BL-1023	2x3	31.75	4.8	30.1	11.14	11.04	28.90	14,400	11,800	4.69
DBC BL-1034	3x4	31.75	4.8	30.1	11.14	11.04	38.85	22,000	18,600	6.55
DBC BL-1044	4x4	31.75	4.8	30.1	11.14	11.04	43.39	28,000	23,600	7.48
DBC BL-1046	4x6	31.75	4.8	30.1	11.14	11.04	53.70	28,800	23,600	9.29
DBC BL-1066	6x6	31.75	4.8	30.1	11.14	11.04	63.85	43,200	35,500	11.16
DBC BL-1222	2x2	38.10	5.6	36.2	12.74	12.64	28.04	19,000	15,500	4.83
DBC BL-1223	2x3	38.10	5.6	36.2	12.74	12.64	33.90	19,000	15,500	6.54
DBC BL-1234	3x4	38.10	5.6	36.2	12.74	12.64	45.50	30,500	25,000	9.10
DBC BL-1244	4x4	38.10	5.6	36.2	12.74	12.64	51.30	38,000	30,900	10.39
DBC BL-1246	4x6	38.10	5.6	36.2	12.74	12.64	62.95	38,000	30,900	12.01
DBC BL-1266	6x6	38.10	5.6	36.2	12.74	12.64	74.57	57,000	46,400	14.58
DBC BL-1422	2x2	44.45	6.4	42.2	14.32	14.21	31.62	24,000	19,500	7.31
DBC BL-1423	2x3	44.45	6.4	42.2	14.32	14.21	38.20	24,000	19,500	9.06
DBC BL-1434	3x4	44.45	6.4	42.2	14.32	14.21	51.40	39,500	32,300	11.32
DBC BL-1444	4x4	44.45	6.4	42.2	14.32	14.21	58.05	48,000	39,100	12.96
DBC BL-1446	4x6	44.45	6.4	42.2	14.32	14.21	71.25	48,000	39,100	18.00
DBC BL-1466	6x6	44.45	6.4	42.2	14.32	14.21	84.46	72,000	59,100	22.51
DBC BL-1622	2x2	50.80	7.2	48.2	17.49	17.38	35.59	36,000	29,500	9.84
DBC BL-1623	2x3	50.80	7.2	48.2	17.49	17.38	43.25	36,000	29,500	12.16
DBC BL-1634	3x4	50.80	7.2	48.2	17.49	17.38	58.40	56,500	45,000	16.95
DBC BL-1644	4x4	50.80	7.2	48.2	17.49	17.38	65.86	72,000	59,100	18.97
DBC BL-1646	4x6	50.80	7.2	48.2	17.49	17.38	81.05	72,000	59,100	24.09
DBC BL-1666	6x6	50.80	7.2	48.2	17.49	17.38	96.15	108,100	88,600	28.73
DBC BL-2022	2x2	63.50	9.5	60.3	23.84	23.73	47.94	54,000	44,300	14.43
DBC BL-2023	2x3	63.50	9.5	60.3	23.84	23.73	57.90	54,100	44,300	17.95
DBC BL-2034	3x4	63.50	9.5	60.3	23.84	23.73	77.82	81,100	66,400	24.95
DBC BL-2044	4x4	63.50	9.5	60.3	23.84	23.73	87.78	108,200	88,600	28.45
DBC BL-2046	4x6	63.50	9.5	60.3	23.84	23.73	107.70	108,200	88,600	35.44
DBC BL-2066	6x6	63.50	9.5	60.3	23.84	23.73	127.62	162,300	133,000	42.01

Leaf chain

리프체인

LL Series (Light Duty, ISO R606 Recommendation, European Standard)

The Pin Link plates have the contour, pitch and thickness of the pin link plates of corresponding European (BS type) standard roller chain.



Dimension for LL series

unit : mm

ISO Chain No.	Lacing	Pitch P	Breaking Load (kgf)	Plate		Pin		Approx Weight kg / m
				Thickness T	Height H	Dia. D	Lenght L	
LL 0822	2×2	12.7	1,820	1.55	10.6	4.45	7.6	0.41
LL 0844	4×4		3,170				13.0	0.69
LL 0866	6×6		4,540				18.2	0.97
LL 1022	2×2	15.876	2,260	1.65	13.07	5.08	9.2	0.59
LL 1044	4×4		4,540				15.8	1.13
LL 1066	6×6		6,800				22.1	1.67
LL 1222	2×2	19.05	2,950	1.90	16.0	5.72	10.4	0.64
LL 1244	4×4		5,890				17.9	1.26
LL 1266	6×6		8,840				25.4	1.88
LL 1622	2×2	25.4	5,910	3.2	21.0	8.28	17.2	1.52
LL 1644	4×4		11,830				29.6	12.98
LL 1666	6×6		17,740				42.4	4.44
LL 2022	2×2	31.75	9,690	3.7	26.4	10.19	20.1	2.33
LL 2044	4×4		19,370				33.8	4.56
LL 2066	6×6		29,060				50.1	6.79
LL 2422	2×2	38.1	17,340	5.2	33.4	14.63	28.4	4.47
LL 2444	4×4		34,670				46.3	8.67
LL 2466	6×6		52,010				66.4	12.87
LL 2822	2×2	44.45	20,390	6.0	37.8	15.09	32.2	5.10
LL 2844	4×4		40,790				56.4	9.90
LL 2866	6×6		61,180				80.6	14.60
LL 3222	2×2	50.8	26,510	6.45	42.0	17.81	33.2	6.2
LL 3244	4×4		53,030				57.4	12.3
LL 3266	6×6		79,540				81.6	18.3

PART 3.



Small Pitch Conveyor Chain
소형 컨베이어 체인

Standard Attachment Chain

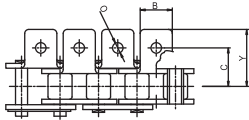
표준형 어태치먼트 체인

* To locate more information about dimensions of Basic Chain, refer to the ANSI Standard Roller Chain

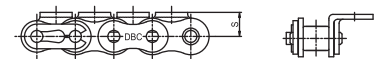
* Available in <Environment Resistant Chain Series : Stainless Steel, Chrome-Plated and Nickel-Plated Chain Series>

* 표준형 로울러체인에 어태치먼트를 부착한 체인으로 메인 체인의 세부 치수는 표준형 로울러 체인을 참조 하십시오.

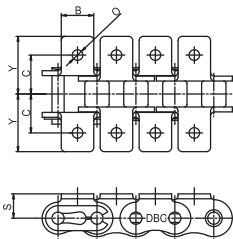
* 내식, 내열 환경에 적합한 도금형 / 스테인리스 재질 타입도 공급됩니다.



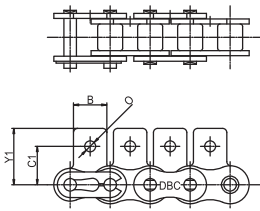
A-1



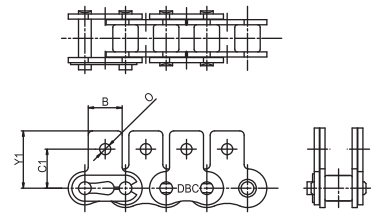
K-1



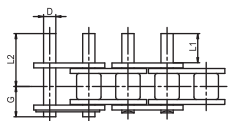
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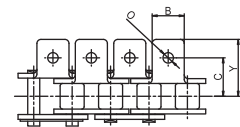
SK-1



D-1



D-3



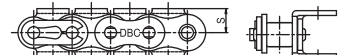
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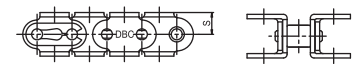
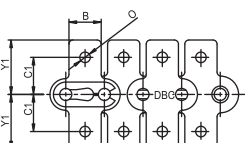
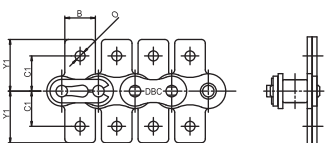
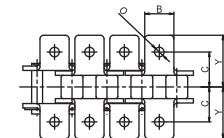
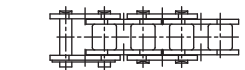
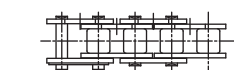
SAA-1



SKK-1



KK-1



General & Extended Pin Type 일반형 & 핀 돌출형

unit : mm

DONG BO Chain No.	Pitch	Inner width	Roller Dia	Common Dimensions		Attachment Dimensions								Additional Weight per Attachment (kg/each)			Max. Allowable Load (kgf)	
	P	MIN	MAX	B	O	C	Y	S	C1	Y1	L1	L2	A&SA	k&SK	D	Standard	Stainless Steel	
DBC 25	6.35	3.18	*3.30	5.6	3.4	7.15	10.7	4.75	7.95	11.65	6.0	9.2	0.0003	0.0006	0.00002	65	12	
DBC 35	9.525	4.78	*5.08	7.9	3.4	9.5	14.3	6.35	9.5	14.55	9.5	14.6	0.0008	0.0016	0.0008	155	27	
DBC 41	12.70	6.38	7.77	9.5	3.6	11.9	16.4	7.15	12.7	16.65	9.5	15.45	0.0016	0.0032	0.0008	160	-	
DBC 40	12.70	7.95	7.92	9.5	3.6	12.7	17.8	8.0	12.7	17.40	9.5	16.8	0.002	0.004	0.001	270	45	
DBC 50	15.875	9.53	10.16	12.7	5.2	15.9	23.4	10.3	15.9	23.05	11.9	21.5	0.003	0.006	0.002	440	70	
DBC 60	19.05	12.70	11.91	15.9	5.2	19.05	28.2	11.9	18.3	26.85	14.3	25.85	0.007	0.014	0.003	640	105	
DBC 80	25.40	15.88	15.88	19.1	6.8	25.4	36.6	15.9	24.6	35.45	19.1	33.9	0.013	0.026	0.007	1,090	180	
DBC 100	31.75	19.05	19.05	25.4	8.7	31.75	44.9	19.8	31.8	44.00	23.8	41.85	0.026	0.052	0.012	1,740	260	
DBC 120	38.1	25.40	22.23	28.6	10.3	38.1	55.8	23.0	36.5	52.85	28.6	51.4	0.044	0.088	0.020	2,440	390	
DBC 140	44.45	25.40	25.40	34.9	11.9	44.5	63.1	28.6	44.5	63.50	33.3	57.5	0.071	0.142	0.030	3,300	470	
DBC 160	50.80	31.75	28.58	38.1	14.3	50.8	71.7	31.8	50.8	70.10	38.1	67.4	0.097	0.194	0.045	4,170	650	
DBC 200	63.50	38.10	39.68	47.6	16.3	63.5	90.0	42.9	63.5	84.50	47.6	83.4	0.186	0.372	0.106	7,000	1,050	

Example of type indication 어태치먼트의 명칭과 의미

Type of Attachment 표준형 어태치먼트	Name of Attachment 명칭	Description 의미
General-Type 일반형	A	Bend Att.*, One Side, Horizontal type 한쪽방향 부착, 수평형 어태치먼트
	A-1	Bend Att., One Side, Horizontal type, One Hole 한쪽방향 부착, 수평형 어태치먼트, HOLE 1개
	K	Bend Att., Both Side, Horizontal type 양방향 부착, 수평형 어태치먼트
	K-1	Bend Att., Both Side, Horizontal type, One Hole 양방향 부착, 수평형 어태치먼트, HOLE 1개
	SA	Bend Att., One Side, Vertical type 한쪽방향 부착, 수직형 어태치먼트
	SA-1	Bend Att., One Side, Vertical type, One Hole 한쪽방향 부착, 수직형 어태치먼트, HOLE 1개
	SK	Bend Att., Both Side, Vertical type 양방향 부착, 수직형 어태치먼트, HOLE 1개
SK-2	Bend Att., Both Side, Vertical type, Two Hole 양방향 부착, 수직형 어태치먼트, HOLE 2개	
Wide Type Wide형	W	Wide Contour, Type Attachment Wide형 어태치먼트
	WA	Wide Contour, One Side, Horizontal type Wide형, 한쪽방향 부착, 수평형 어태치먼트
	WSA	Wide Contour, One Side, Vertical type Wide형, 한쪽방향, 수직형 어태치먼트
	WK	Wide Contour, Both Side Wide형, 양방향부착
	WSK	Wide Contour, Both Side, Vertical type Wide형, 양방향부착, 수직형 어태치먼트
	WA-1	Wide Contour, One Side, Horizontal type, One Hole Wide형, 한쪽방향, 수직형, HOLE 1개
Extended Pin Type 돌출핀형	D-1	One Pin in Link extended 링크당 1개의 이송용 돌출핀 어태치먼트
	D-3	Both Pins in Link extended 링크당 2개의 이송용 돌출핀 어태치먼트

* Att* = Attachment

Example : DBC 80 SA-2/ 2L 범례

DBC80

Dong Bo chain Classification No.
동보체인 분류번호 80번체인

SA

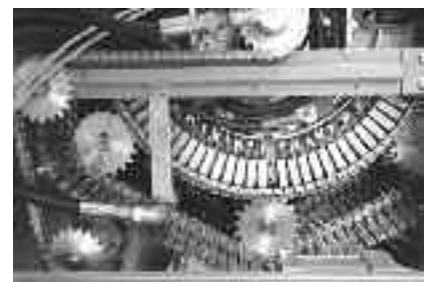
Bend Att. *, One Side, Vertical type
수직형 어태치먼트 플레이트가 한쪽방향에만 부착

-2

Indicate that attachment has two holes
어태치먼트의 HOLE 2개

/ 2L

Spacing of Attachment
어태치먼트 플레이트가 2링크마다 부착

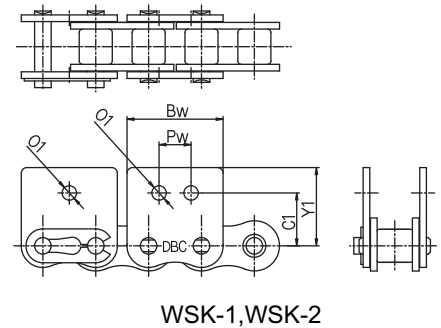
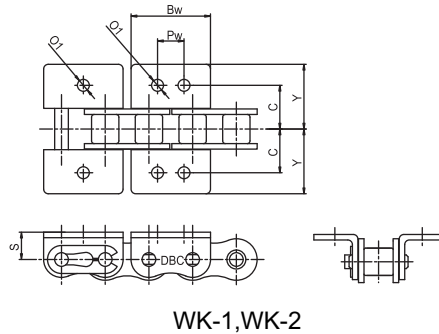
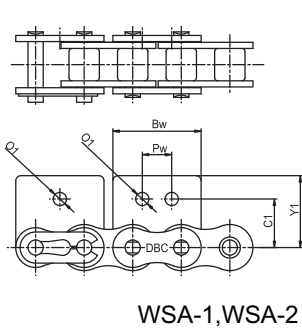
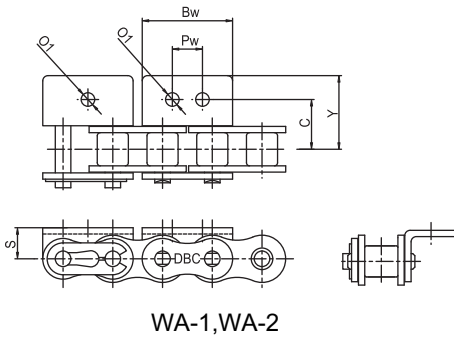


Standard Attachment Chain

표준형 어태치먼트 체인

- * To locate more information about dimensions of Basic Chain, refer to the ANSI Standard Roller Chain
- * Available in <Environment Resistant Chain Series : Stainless Steel, Chrome-Plated and Nickel-Plated Chain Series >

- * 표준형 로울러체인에 어태치먼트를 부착한 체인으로 메인 체인의 세부 치수는 표준형 로울러 체인을 참조 하십시오.
- * 내식, 내열 환경에 적합한 도금형/스테인리스 재질 타입도 공급됩니다.



Wide Type 와이드형

unit : mm

DONG BO Chain No.	Pitch	Inner width	Roller Dia	Common Dimensions			Attachment Dimensions					Additional Weight per Attachment (kg/each)		Max. Allowable Load (kgf)		
	P	MIN	MAX	Bw	Pw	O1	C	Y	S	C1	Y1	WA & WSA	WK & WSK	Standard	Stainless Steel	
DBC	40	12.70	7.85	7.92	23.0	9.5	4.5	12.7	17.8	8.0	12.7	17.40	0.003	0.006	270	45
	50	15.875	9.40	10.16	28.8	11.9	5.5	15.9	23.4	10.3	15.9	23.05	0.007	0.014	440	70
	60	19.05	12.57	11.91	34.6	14.3	5.2	19.05	28.2	11.9	18.3	26.85	0.012	0.024	640	105
	80	25.40	15.75	15.88	46.1	19.1	6.8	25.4	36.6	15.9	24.6	35.45	0.026	0.052	1.090	180
	100	31.75	18.90	19.05	57.7	28.6	8.7	31.75	44.9	19.8	31.8	44.00	0.051	0.102	1.740	260

Hollow-pin chains

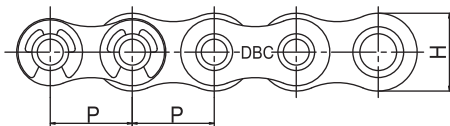
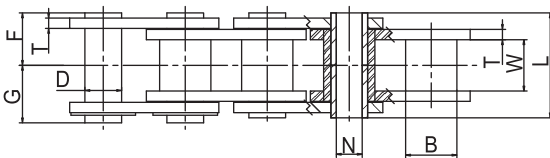
홀로우-핀 체인

Dong Bo manufactures Hollow Pin Chains in the 'ANSI Standard Roller Chain Series' and 'Double Pitch', with or without rollers. The 'Double Pitch Series' is supplied either rollerless or with large diameter rollers. Carbon steel and stainless steel Hollow Pin Chains are also available

홀로우 핀 체인은 중공(中空)의 핀을 사용하고 이 구멍을 이용하여 각종 어태치먼트를 부착하여 사용할 수 있는 체인입니다. 또한 체인 분해 없이 어태치먼트 교환, 보수, 간격 조절이 가능하여 사용자 편의성 극대화되어 있으며 표준형 로울러 체인의 스프라켓 사용으로 범용성도 풍부합니다.

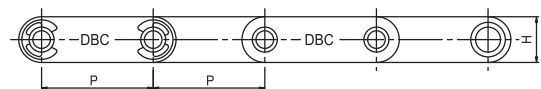
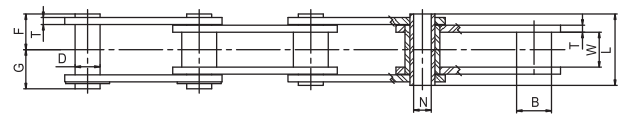


Single Pitch Type : 표준형

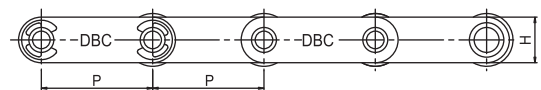
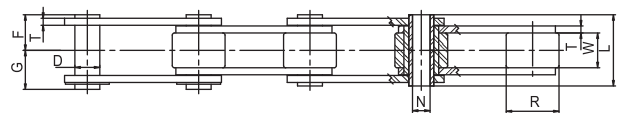


Double Pitch Type : 더블피치형

Bushed Type



Roller Type



Single Pitch Type 표준형

unit : mm

DONG BO Chain No.	Pitch P	Inner width W	Bushing Dia. B	Roller Dia. R	Plate		Pin				Breaking Load kgf	Max. Allowable Load kgf	Approx. weight (kg/m)	
					T	H	Outer Dia. D	Inner Dia. N	F	G			S-Roller	R-Roller
DBC 40HP	12.70	7.95	7.94	-	1.5	12.0	5.68	4.00	8.00	9.50	1,100	180	0.53	-
DBC 50HP	15.875	9.53	10.16	-	2.0	15.0	7.22	5.12	10.05	11.65	2,000	320	0.86	-
DBC 60HP	19.05	12.70	11.91	-	2.4	18.1	8.38	5.99	12.55	14.25	2,700	430	1.27	-

Double Pitch Type 더블피치형

unit : mm

DONG BO Chain No.	Pitch P	Inner width W	Bushing Dia. B	Roller Dia. R	Plate		Pin				Breaking Load kgf	Max. Allowable Load kgf	Approx. weight (kg/m)	
					T	H	Outer Dia. D	Inner Dia. N	F	G			S-Roller	R-Roller
DBC C 2040HP	25.40	7.85	7.94	-	1.5	12.0	5.68	4.00	8.00	9.50	1,100	180	0.46	0.82
C 2042HP			-	15.88										
DBC C 2050HP	31.75	9.40	10.16	-	2.0	15.0	7.22	5.12	10.05	11.65	2,000	320	0.75	1.21
C 2052HP			-	19.05										
DBC C 2060HP	38.10	12.57	11.91	-	3.2	17.2	8.38	5.99	12.55	14.25	2,700	430	1.38	2.06
C 2062HP			-	22.23										
DBC C 2080HP	50.80	15.75	15.88	-	4.0	23.0	11.375	8.02	16.25	17.80	4,900	780	1.80	2.81
C 2082HP			-	28.58										

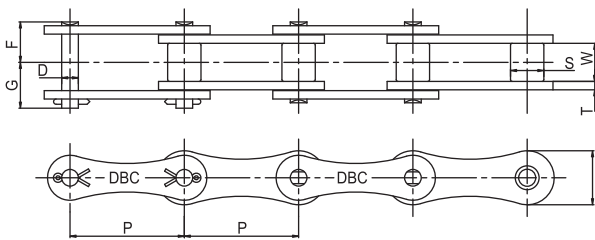
Double Pitch Chain

더블피치 체인

- * Dong Bo Double Pitch Chain conform to ANSI and manufactured in <Environment Resistant Chain Series > as are single pitch chain.
- * Heavy side plates are used for 2060H, 2062H and up

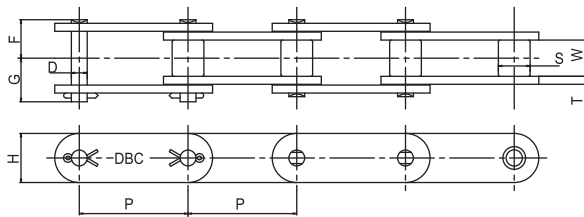
- * 더블피치 체인은 링크플레이트의 피치가 표준형 로울러체인의 2배인 체인으로 저속이면서 축간 거리가 긴 컨베이어 라인에 적합한 체인입니다.
- * 링크플레이트를 제외한 부품은 표준형 로울러체인(ANSI타입)과 동일합니다.
- * 2060이상은 강력형(H)으로 제작됩니다.

Type-A

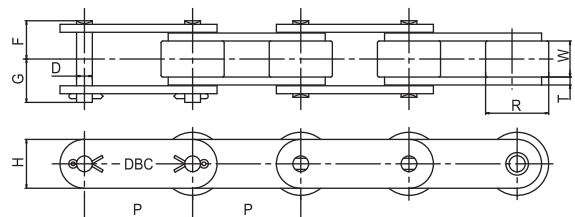


Type-C

Standard S-Roller Type



Oversize R-Roller Type



Example of type indication

체인 호칭번호 설명

DBC A 2082 H A-2 2L

- Spacing of Attachment 어태치먼트의 부착 간격
- Type of Attachment 어태치먼트의 형태
- Indicates that the thickness of plates is larger by one size, that is, equal to the thickness of the plates of DBC100. If there is no symbol, the thickness is equal to the thickness of the plates of DBC80
플레이트의 두께가 한 단계 높은 체인의 두께를 사용한다는 의미, 즉 80H는 DBC100번 체인과 동일한 두께의 플레이트를 사용한다는 의미, H가 없을 경우에는 DBC80번과 동일한 플레이트 두께를 의미
- 082 indicates that the base is 'DBC80 ANSI Standard Roller Chain' and that rollers with a large outer diameter(R-Roller) are used. In the case of standard small rollers (S-Roller), 080 is stated here.
082는 DBC80번 표준형 로울러체인을 기본으로 만들어진 체인으로 / R-Roller형을 의미, S-Roller형의 경우에는 080으로 표시됨
- Indicates that the chain is a double pitch chain. 더블피치 체인을 의미
- Indicates that the chain is type-A. In the case of type-C (straight side plate type for conveyor system) 'C' is stated here.
A형을 의미 : 기호가 없을 경우에는 C형(컨베이어 시스템용 직선형 플레이트타입)을 의미
- Indicates that the chain is manufactured by Dong Bo Chain 동보체인 제품을 나타내는 표시

unit : mm

DONG BO Chain No.	Pitch	Inner Width	Roller Dia		Plate		Pin			Avg. Breaking Load	Max. Allowable Load	Approx. Weight
			S-Roller	R-Roller								
	P	W min	S max	R	T	H max	F	G	D max	kgf	kgf	kg / m

Type-A

DBC A2040	25.40	7.95	7.94	-	1.5	12.0	8.25	9.95	3.97	1,700	270	0.40
DBC A2050	31.75	9.53	10.16	-	2.0	15.0	10.30	12.00	5.09	2,800	450	0.66
DBC A2060	38.10	12.70	11.91	-	2.4	18.0	12.85	14.75	5.96	4,100	660	0.96
DBC A2080	50.80	15.88	15.88	-	3.2	24.1	16.25	19.25	7.94	7,000	1,150	1.73
DBC A2100	63.50	19.05	19.05	-	4.0	30.1	19.75	22.85	9.54	11,000	1,900	2.57
DBC A2120	76.20	25.40	22.23	-	4.8	36.2	24.90	28.90	11.11	15,400	2,600	3.68

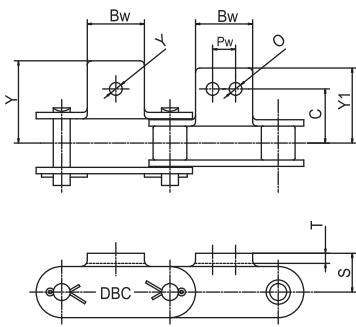
Type-C

DBC C2040	25.40	7.95	7.94	-	1.5	12.0	8.25	9.95	3.97	1,700	270	0.51
DBC C2042			-	15.88								0.87
DBC C2050	31.75	9.53	10.16	-	2.0	15.0	10.30	12.00	5.09	2,800	450	0.84
DBC C2052			-	19.05								1.30
DBC C2060H	38.10	12.70	11.91	-	3.2	18.1	14.55	16.55	5.96	4,100	660	1.51
DBC C2062H			-	22.23								2.19
DBC C2080H	50.80	15.88	15.88	-	4.0	24.1	18.30	20.90	7.94	7,000	1,150	2.66
DBC C2082H			-	28.58								3.68
DBC C2100H	63.50	19.05	19.05	-	4.8	30.1	21.80	24.50	9.54	11,000	1,900	3.99
DBC C2102H			-	39.67								6.30
DBC C2120H	76.20	25.40	22.23	-	5.6	36.2	26.95	30.55	11.11	15,400	2,600	5.35
DBC C2122H			-	44.45								8.60
DBC C2160H	101.60	31.75	28.58	-	7.2	48.2	33.65	38.45	14.29	26,300	4,300	9.42
DBC C2162H			-	57.15								11.79

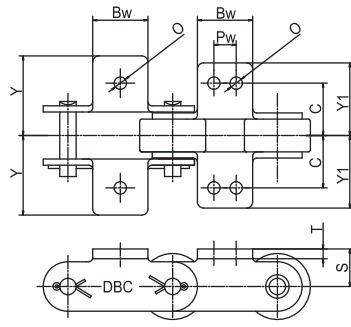
* C2040 ~ : standard S-Roller Type * C2042 ~ : Oversize R-Roller Type

Double Pitch Attachment Chain

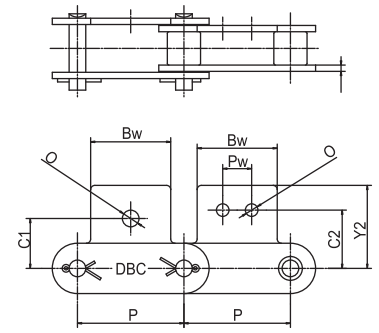
더블피치 어태치먼트 체인



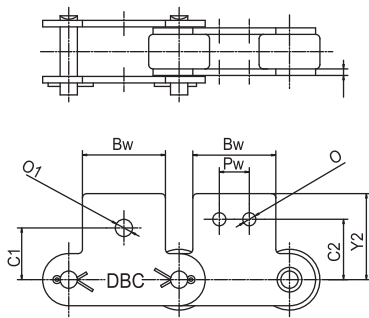
A-1, A-2 Att. □



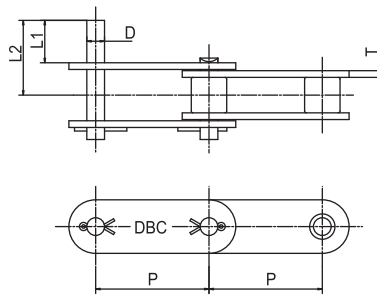
K-1, K-2 Att.



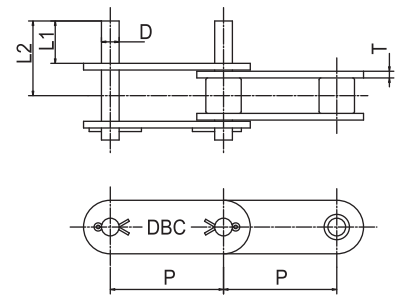
SA-1, SA-2 Att.



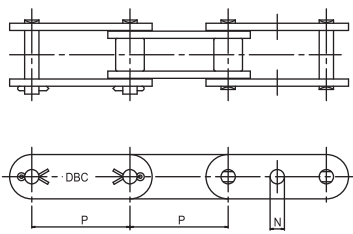
SK-1, SK-2 Att.



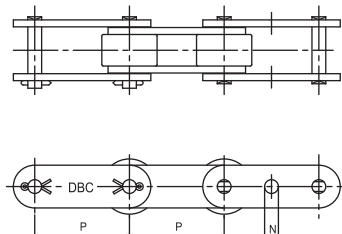
D-1 Att.



D-3 Att.



G-Att. (S-Roller Type)



G-Att. (R-Roller Type)

□Att.=Attachment

unit : mm

DONG BO Chain No.	Attachment Dimensions									
	P	T	C	C1	C2	Bw	Pw	O	O1	S
DBC C2040	25.40	1.5	12.70	11.10	13.60	19.10	9.50	3.60	5.20	9.10
DBC C2042										
DBC C2050	31.75	2.0	15.90	14.30	15.90	23.80	11.90	5.20	6.80	11.10
DBC C2052										
DBC C2060H	38.10	3.2	21.45	17.50	19.10	28.60	14.30	5.20	8.70	14.70
DBC C2062H										
DBC C2080H	50.80	4.0	27.80	22.20	25.40	38.10	19.10	6.80	10.30	19.10
DBC C2082H										
DBC C2100H	63.50	4.8	33.35	28.60	31.80	47.60	23.80	8.70	14.30	23.40
DBC C2102H										
DBC C2120H	76.20	5.6	39.70	33.30	37.30	57.20	28.60	14.00	16.00	27.80
DBC C2122H										
DBC C2160H	101.60	7.2	52.39	44.45	50.80	76.20	38.10	16.10	19.50	36.50
DBC C2162H										

unit : mm

DONG BO Chain No.	Attachment Dimensions							Additional Weight per Attachment(kg)			
	Y	Y1	Y2	D	L1	L2	N	A&SA	K&SK	D-1	D-3
DBC C2040	19.30	17.60	19.80	3.97	9.5	16.85	4.07	0.003	0.006	0.001	0.002
DBC C2042											
DBC C2050	24.20	22.00	24.60	5.09	11.9	21.15	5.20	0.006	0.012	0.002	0.004
DBC C2052											
DBC C2060H	31.50	28.20	30.60	5.96	14.3	27.50	6.07	0.017	0.034	0.003	0.006
DBC C2062H											
DBC C2080H	40.70	36.60	40.50	7.94	19.1	35.58	8.10	0.037	0.074	0.007	0.014
DBC C2082H											
DBC C2100H	49.90	44.90	50.40	9.54	23.8	43.58	9.67	0.067	0.134	0.012	0.024
DBC C2102H											
DBC C2120H	60.70	54.40	59.90	-	-	-	11.24	0.100	0.200	-	-
DBC C2122H											
DBC C2160H	79.00	71.00	78.60	-	-	-	14.47	0.240	0.490	-	-
DBC C2162H											

PART 4.



Large Pitch Conveyor Chain
대형 컨베이어 체인

Average Breaking Load

평균 파단 강도 집계표

unit : mm

DONG BO Chain No.	Standard Series	Semi Heary Series	Heary Series	Stainless Steel 400 Series		Stainless 300 Series	Heary & Extra Wear Life Series	Wear Resistant Series	Special type
	보통형	준강력형	강력형	스테인레스 400 시리즈	스테인레스 400 시리즈	스테인레스 300시리즈	강력·내마모시리즈	내마모시리즈	응용시리즈
	N	SH	H	SB	SBN	SA	CH	CN, CB	WA, WB
DBC 03075 DBC 03100 DBC 03150	3,000	4,600	7,100	3,500	5,500	3,400	5,200	3,800	7,100
DBC 430	5,500	7,600	10,000	5,300	8,500	4,900	7,100	5,800	10,000
DBC 05075 DBC 05100 DBC 05150	7,000	9,800	14,500	7,200	11,000	7,000	10,000	7,900	14,500
DBC 204	8,000	10,500	14,500	8,000	12,500	7,000	10,000	8,800	14,500
DBC 450	8,000	10,500	14,500	8,000	12,500	7,000	10,000	8,800	14,500
DBC 08125 DBC 08150	8,000	10,500	14,500	8,000	12,500	7,000	10,000	8,800	14,500
DBC 650	8,000	10,500	14,500	14,000	14,500	7,000	10,000	14,500 (CN, 10,000)	14,500
DBC 10100 DBC 10125 DBC 10150	11,500	16,000	23,000	11,500	18,000	11,000	23,000	12,500	23,000
DBC 214	13,000	18,000	24,500	12,000	19,000	12,500	24,500	13,000	24,500
DBC 205	13,000	18,000	24,500	12,000	19,000	12,500	24,500	13,000	24,500
DBC 6205	19,000	24,000	28,500	17,000	27,000	13,500	28,500	19,000	28,500
DBC 12200 DBC 12250	19,000	24,000	28,500	17,000	27,000	13,500	28,500	19,000	28,500
DBC 17200 DBC 17250 DBC 17300	25,000	31,000	39,500	22,500	36,500	19,000	39,500	25,000	39,500
DBC 212	21,000	31,000	39,500	22,500	36,500	19,000	39,500	21,000	39,500
DBC 26200 DBC 26250 DBC 26300 DBC 26450	32,000	43,000	53,000	30,000	47,000	25,500	53,000	32,000	53,000
DBC 36250 DBC 36300 DBC 36450 DBC 36600	48,500	67,000	69,500	-	-	-	69,500	48,500	69,500
DBC 52300 DBC 52450 DBC 52600	54,000	105,000	105,000	-	-	-	105,000	54,000	105,000
DBC 60300 DBC 60350 DBC 60400	62,000	-	106,000	-	-	-	106,000	62,000	106,000
DBC 90350 DBC 90400 DBC 90500	95,000	-	166,000	-	-	-	166,000	95,000	166,000
DBC 120400 DBC 120600	113,000	-	225,000	-	-	-	225,000	113,000	225,000

Note) Please refer to the Bucket Elevator Chain page for DBC26~ and DBC36~ Series (N-type)

주) DBC 26~시리즈와 DBC 36~ 시리즈의 보통형(N형)은 '버킷엘리베이터용 체인' 페이지를 참조하십시오.

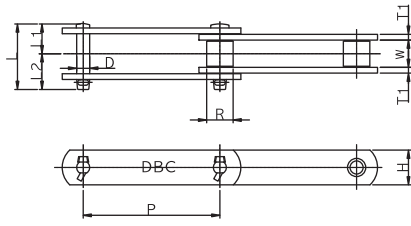
Comparative Table of Standard Conveyor Chain

표준형 컨베이어 체인번호 비교표

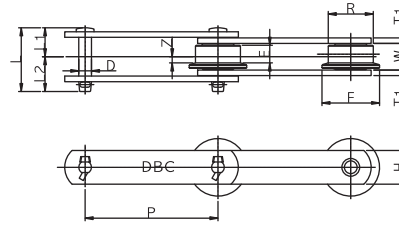
DONG BO Chain No.		HITACHI	TSUBAKI	DAIDO
DBC	430	HR 10105	RF 430	DK 4008
DBC	204	HR 66081	RF 204	DK 4004
DBC	450	HR 10108	RF 450	DK 4009
DBC	650	HR 15208	RF 650	DK 4018
DBC	10100	HR 10011	RF 10100	-
DBC	10125	HR 12511	RF 10125	-
DBC	10150	HR 15211	RF 10150	DK 3019
DBC	214	HR 10113	RF 214	DK 4012
DBC	6205	HR 15215	RF 6205	DK 4022
DBC	12200	HR 20015	RF 12200	DK 3081
DBC	12250	HR 25015	RF 12250	DK 3082
DBC	212	HR 15219	RF 212	DK 4020
DBC	17200	HR 20019	RF 17200	DK 3085
DBC	17250	HR 25019	RF 17250	DK 3086
DBC	17300	HR 30019	RF 17300	DK 3087
DBC	26200	HR 20026	RF 26200	-
DBC	26250	HR 25026	RF 26250	DK 3091
DBC	26300	HR 30026	RF 26300	DK 3092
DBC	26450	HR 45026	RF 26450	-
DBC	36250	HR 25048	RF 36250	-
DBC	36300	HR 30048	RF 36300	DK 3096
DBC	36450	HR 45048	RF 36450	DK 3097
DBC	36600	HR 60048	RF 36600	-
DBC	52300	HR 30054	RF 52300	-
DBC	52450	HR 45054	RF 52450	-
DBC	52600	HR 60054	RF 52600	-

Standard Conveyor Chain I

표준형 컨베이어 체인 I



S.M.N - ROLLER



F - ROLLER

Chain Dimensions

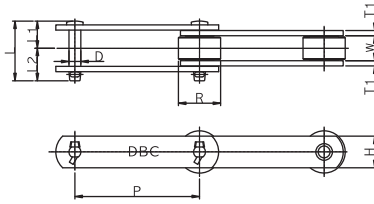
unit : mm

DONG BO Chain No.		Pitch	Inner width	Plate		Pin				Avg. Breaking Load kgt	
Basic Chain No.	Roller Type	P	W	T	H	D	L1	L2	L	Standard Series	Heavy Series
DBC 03075 03100 03150	R · F · S	75 100 150	16.1	3.2	22	7.9	17.5	19.5	37	3,000	7,100
DBC 430	R · S	101.6	22.6	4.8(5.0)	25.4	9.7	25.5	29.5	55	5,500	10,000
DBC 05075 05100 05150	S R · F · S R · F · S	75 100 150	22	4.5	32	11.1	24.6	29.6	54.2	7,000	14,500
DBC 204	S	66.27	27	6.3(6.0)	28.6	11.1	30.7	35.6	66.3	8,000	14,500
DBC 450	R · F · S · M	101.6	27	6.3(6.0)	28.6	11.1	30.7	35.6	66.3	8,000	14,500
DBC 08125 08150	R · F · S · M	125 150	27	6.3(6.0)	28.6	11.1	30.7	35.6	66.3	8,000	14,500
DBC 650	R · F · S · M	152.4	30.2	6.3(6.0)	38.1	11.1	32.3	37.3	69.6	8,000	14,500
DBC 10100 10125 10150	R · S · M R · F · S · M R · F · S · M	100 125 150	30	6.3(6.0)	38.1	14.3	32.7	39.2	71.9	11,500	23,000
DBC 214	R · S · M	101.6	31.6	7.9	38.1	15.9	37.2	43.7	80.9	13,000	24,500
DBC 205	S	78.11	37.1	7.9	38.1	15.9	40	46.4	86.4	13,000	24,500
DBC 6205	R · F · S · M	152.4	37.1	7.9	44.5	15.9	40	46.4	86.4	19,000	28,500
DBC 12200 12250	R · F · S · M	200 250	37.1	7.9	44.5	15.9	40	46.4	86.4	19,000	28,500
DBC 17200 17250 17300	R · F · S · M	200 250 300	51.4	9.5(10.0)	50.8	19.05	51.5	60	111.5	25,000	39,500
DBC 212	R · S · M	152.4	37.1	9.5(10.0)	50.8	19.05	44.2	57.7	96.9	21,000	39,500
DBC 26200 26250 26300 26350 26450	S · M R · F · S · M R · F · S · M R · F · S · M	200 250 300 450	57.2	9.5(10.0)	63.5	22.2	55.2	62.7	117.9	32,000	53,000
DBC 36250 36300 36450 36600	S · M R · F · S · M R · F · S · M R · F · S · M	250 300 450 600	66.7	12.7	76.2	25.4	68	76	144	48,500	69,500
DBC 52300 52450 52600	R · F · S	300 450 600	77	16	76.2	31.8	81.5	91.5	173	54,000	105,000
DBC 60300 60350 60400	R · F · N	300 350 400	77	12.7	90	35	77	84	161	62,000	106,000
DBC 90350 90400 90500	N R · F · N R · F · N	350 400 500	88	16	110	42.0	90	100	190	95,000	166,000
DBC 120400 120600	R · N R · F · N	400 600	100	19	130	50.0	106	113	219	113,000	225,000

Note) The Stainless steel Series are up to 26000. Numbers in brackets of the Link Plate thickness indicates the Stainless steel 300 Series.

The Number outside brackets is common for every series.

주) 스테인레스 시리즈는 26000까지이며 링크플레이트 두께의 () 内 치수는 스테인레스 300시리즈를 표시한 것이며 () 外는 숏시리즈 공통입니다.



R - ROLLER

DBC 26200-R A-2 2L

- Spacing of Attachment (every second link)
어태치먼트 부착 간격 (2링크마다)
- Type of Attachment (A-2 Attachment)
어태치먼트 타입 (A-2형)
- Roller Type (R-Roller Type) 로울러타입 (R-Roller Type)
- Chain Size 체인사이즈
- Dong Bo Chain 동보체인

Roller Dimensions

unit : mm

DONG BO Chain No.		Roller Dimensions													Weight of Rollers (kg/m)			
Basic Chain No.	Roller Type	R-Roller		F-Roller					S-Roller		M-Roller		N-Roller		R-R/o□	F-R/o	S-R/o	M,N-R/o
		R	E	R	F	E	e	Z	R	E	R	E	R	E				
DBC 03075 03100 03150	R · F · S	31.8	15.5	31.8	42	12	1.8	4.3	15.9	15.5	-	-	-	-	2.7 2.3	2.8 2.4	1.9 1.7	-
DBC 430	R · S	38.1	19	-	-	-	-	-	20.1	19	-	-	-	-	4.3	-	3.0	-
DBC 05075 05100 05150	S R · F · S R · F · S	40	19	40	50	14	2.5	4.5	22.2	19	-	-	-	-	5.0 4.5 4.1	5.2 4.6 4.2	4.2 3.7 3.2	-
DBC 204	S	-	-	-	-	-	-	-	22.2	23	25.4	23	-	-	-	-	5.6	-
DBC 450	R · F · S · M	44.5	23	44.5	55	18	2.5	6.5	22.2	23	25.4	23	-	-	6.8	7.5	4.6	4.8
DBC 08125 08150	R · F · S · M	44.5	23	44.5	55	18	2.5	6.5	22.2	23	25.4	23	-	-	5.5	5.8	4.0	4.2
DBC 650	R · F · S · M	50.8	26	50.8	65	20	3	7	25.4	26	31.8	26	-	-	7.7	8.0	6.0	6.4
DBC 10100 10125 10150	R · S · M R · F · S · M R · F · S · M	50.8	27	50.8	65	20	3	7	29	27	31.8	27	-	-	9.8 8.7 7.9	6.8 8.9 8.1	7.1 6.3 5.9	6.5 6.1
DBC 214	R · S · M	44.5	27	-	-	-	-	-	31.8	27	34.9	27	-	-	10.4	-	8.7	9.1
DBC 205	S	-	-	-	-	-	-	-	31.8	27	-	-	-	-	-	-	10.4	-
DBC 6205	R · F · S · M	57.2	32	57.2	70	25	3.5	9	34.9	32	38.1	32	-	-	12.1	12.4	9.3	9.6
DBC 12200 12250	R · F · S · M	65	32	65	80	24	4	8	34.9	32	38.1	32	-	-	11.4 10.3	11.9 10.6	8.4 7.8	8.7 8.0
DBC 17200 17250 17300	R · F · S · M	80	44	80	100	34	5	12	40.1	44	44.4	44	-	-	18.8 16.5 15.0	19.8 17.3 15.7	12.0 11.1 10.5	12.6 11.6 10.9
DBC 212	R · S · M	69.9	32.5	-	-	-	-	-	40.1	32.5	44.4	32.5	-	-	17.1	-	12.6	13.1
DBC 26200 26250 26300 26450	S · M R · F · S · M R · F · S · M R · F · S · M	100	50	100	125	38	6	13	44.5	50	50.8	50	-	-	- 25.3 22.3 18.0	- 26.2 23.6 18.9	16.0 14.7 13.8 12.4	17.0 15.5 14.5 12.9
DBC 36250 36300 36450 36600	S · M R · F · S · M R · F · S · M R · F · S · M	125	56	125	150	42	7	14	50.8	56	57.2	56	57.2	65	39.0 30.7 26.9	40.1 31.9 27.8	24.4 22.9 20.2 18.0	25.5 23.8 20.8 19.5
DBC 52300 52450 52600	R · F · S	140	65	140	170	49	8	16.5	57.2	65	-	65	-	-	48.8 37.5 32.9	52.5 39.3 34.3	29.7 26.2 24.4	- - -
DBC 60300 60350 60400	R · F · N	140	68	140	170	49	8	16.5	-	-	-	68	70	75	52.4 47.2 43.8	55.1 49.5 45.8	- - -	31.0 28.8 27.7
DBC 90350 90400 90500	N R · F · N R · F · N	170	76	170	205	56	10	18	-	-	-	76	85	86	66.9 59.0	71.6 62.8	- -	42.4 40.8 38.1
DBC 120400 120600	R · N R · F · N	200	87	200	240	64	11.5	20.5	-	-	-	87	100	97	105.7 83.3	- 88.0	- -	63.9 55.4

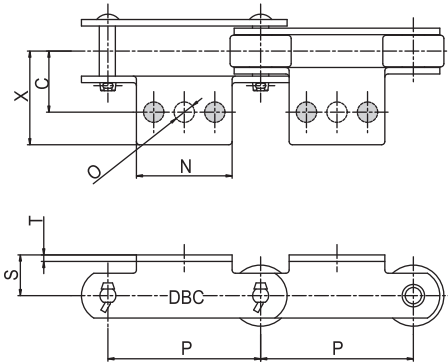
*R/o=Roller



Attachments for Standard Conveyor Chains

표준형 컨베이어 체인의 어태치먼트

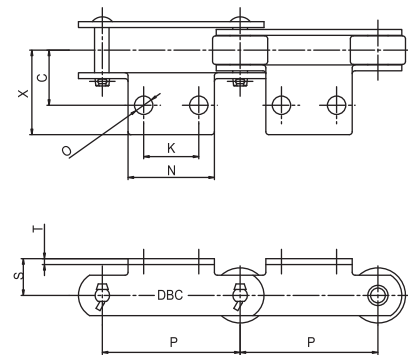
A-1 Attachment



unit : mm

DONG BO Chain No.		Pitch P	Dimensions						Add. Weight per Att. (kg)
Basic Chain No.	Roller Type		S	C	X	N	T	O	
DBC 03075	R·F·S	75							0.05
DBC 03100	R·F·S	100	20	30	46	55	3.2	10	0.06
DBC 430	R·S	101.6	22	40	54	70	4.8(5.0)	12	0.11
DBC 05075	S	75				55			0.03
DBC 05100	R·F·S	100	22	35	47	65	4.5	10	0.08
DBC 05150	R·F·S	150				85			0.10
DBC 204	S	66.27	24	45	59	35	6.3(6.0)	12	0.08
DBC 450	R·F·S·M	101.6	28	50	64	70	6.3(6.0)	12	0.18
DBC 08150	R·F·S·M	150	28	50	64	90	6.3(6.0)	12	0.22
DBC 650	R·F·S·M	152.4	32	50	64	90	6.3(6.0)	12	0.22
DBC 10100	R·F·S·M	100	28	50	65	70	6.3(6.0)	12	0.16
DBC 10150	R·F·S·M	150				90			0.20
DBC 214	R·S·M	101.6	35	55	73	80	7.9	15	0.28
DBC 6205	R·F·S·M	152.4	38	60	79	100	7.9	15	0.37
DBC 12200	R·F·S·M	200	38	60	79	120	7.9	15	0.45
DBC 12250	R·F·S·M	250				165			0.62
DBC 212	R·S·M	152.4	45	65	83	100	9.5(10.0)	15	0.49
DBC 17200	R·F·S·M	200	45	75	98	120	9.5(10.0)	15	0.66
DBC 17250	R·F·S·M	250				165			0.79

A-2 Attachment



unit : mm

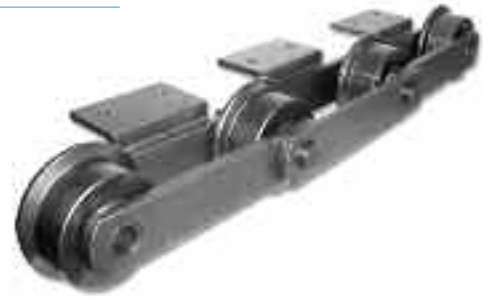
DONG BO Chain No.		Pitch P	Dimensions						Add. Weight per Att. (kg)	
Basic Chain No.	Roller Type		S	C	X	N	K	T		O
DBC 03075	R·F·S	75							0.05	
DBC 03100	R·F·S	100	20	30	46	55	30	3.2	10	0.06
DBC 430	R·S	101.6	22	40	54	70	40	4.8(5.0)	12	0.11
DBC 05075	S	75				55	30			0.07
DBC 05100	R·F·S	100	22	35	47	65	40	4.5	10	0.08
DBC 05150	R·F·S	150				85	60			0.10
DBC 204	S	66.27	24	45	59	55	35	6.3(6.0)	12	0.13
DBC 450	R·F·S·M	101.6	28	50	64	70	40	6.3(6.0)	12	0.18
DBC 08150	R·F·S·M	150	28	50	64	90	60	6.3(6.0)	12	0.22
DBC 650	R·F·S·M	152.4	32	50	64	90	60	6.3(6.0)	12	0.22
DBC 10100	R·S·M	100	28	50	65	70	40	6.3(6.0)	12	0.16
DBC 10150	R·F·S·M	150				90	60			0.20
DBC 214	R·S·M	101.6	35	55	73	80	40	7.9	15	0.28
DBC 205	S	78.11	35	60	75	65	30	7.9	12	0.23
DBC 6205	R·F·S·M	152.4	38	60	79	100	60	7.9	15	0.37
DBC 12200	R·F·S·M	200	38	60	79	120	80	7.9	15	0.45
DBC 12250	R·F·S·M	250				165	125			0.62
DBC 212	R·S·M	152.4	45	65	83	100	60	9.5(10.0)	15	0.49
DBC 17200	R·F·S·M	200	45	75	98	120	80	9.5(10.0)	15	0.66
DBC 17250	R·F·S·M	250				165	125			0.79
DBC 26200	S·M	200	55	80	108	120	80	9.5(10.0)	15	0.78
DBC 26250	R·F·S·M	250	55	80	108	165	125	9.5(10.0)	15	1.07

Note)

1. Numbers of Plate in brackets indicates the Stainless steel 300 Series.
2. X figures are approximations. Please inquire when chain apply under lateral usage and interference.

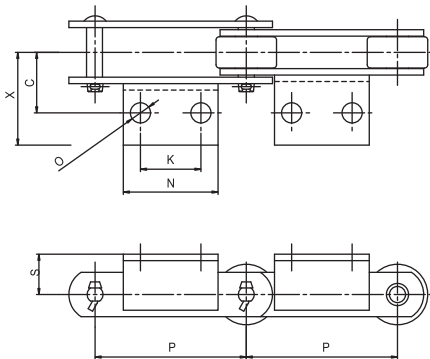
주)

1. 링크플레이트 ()내 치수는 스테인레스 300시리즈임.
2. X 치수는 개략치이며, 측면사용 혹은 간섭발생 조건일 경우에는 문의하여 주십시오.



unit : mm

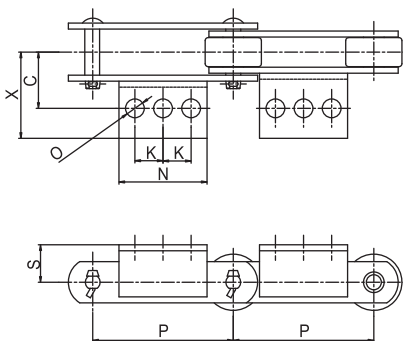
A-2 Attachment (Welded Type : 용접형)



DONG BO Chain No.		Pitch P	Dimensions							Add. Weight per Att. □ (kg)
Basic Chain No.	Roller Type		S	C	X	N	K	O	Compatible Angle □	
DBC 17300	R · F · S · M	300	45	75	110.5	220	180	15	L65×65×6	1.34
DBC 26300 26450	R · F · S · M R · F · S · M	300 450	55	80	123.5	220 320	180 280	15	L75×75×9	2.22 3.26
DBC 36300 36450 36600	R · F · S · M R · F · S · M R · F · S · M	300 450 600	70	100	160	160 330 410	100 280 360	19	L100×100×10	2.50 5.07 6.26
DBC 52300 52450 52600	R · F · S R · F · S R · F · S	300 450 600	80	120	171.4	160 330 410	100 280 360	24	L100×100×13	3.10 6.30 7.80
DBC 60300 60350 60400	R · F · N R · F · N R · F · N	300 350 400	90	115	165	170 220 260	110 160 200	24	L100×100×13	3.30 4.20 6.00
DBC 90350 90400 90500	N R · F · N R · F · N	350 400 500	100	140	210	180 230 340	100 150 260	28	L130×130×15	5.20 6.60 9.80
DBC 120400 120600	R · N R · F · N	400 600	120	150	220	200 400	120 320	28	L130×130×15	5.80 11.50

A-3 Attachment (Welded Type : 용접형)

unit : mm



DONG BO Chain No.		Pitch P	Dimensions							Add. Weight per Att. □ (kg)
Basic Chain No.	Roller Type		S	C	X	N	K	O	Compatible Angle □	
DBC 26450	R · F · S · M	450	55	80	123.5	320	140	15	L75×75×9	3.26
DBC 36450 36600	R · F · S · M R · F · S · M	450 600	70	100	160	330 410	140 180	19	L100×100×10	5.07 6.26
DBC 52450 52600	R · F R · F	450 600	80	120	171.4	330 410	140 180	24	L100×100×13	6.30 7.80
DBC 60350 60400	R · F · N R · F · N	350 400	90	115	165	220 260	80 100	24	L100×100×13	4.20 6.00
DBC 90500	R · F · N	500	100	140	210	340	130	28	L130×130×15	9.80
DBC 120600	R · F · N	600	220	150	220	400	160	28	L130×130×15	11.50

□Compatible Angle=사용앵글

Note)

1. The Stainless steel Series uses different angle figures. Please inquire.
2. X figures are approximations, Please inquire when chain apply under lateral usage and interference.

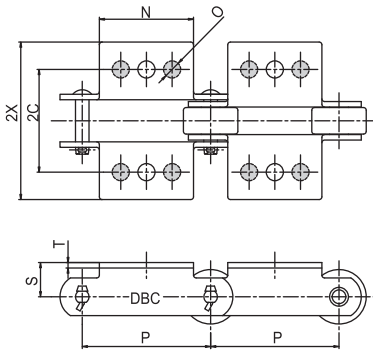
주)

1. 스테인레스 시리즈는 사용 앵글치수가 다르므로 문의하여 주십시오.
2. X 치수는 개략치이며, 측면사용 혹은 간섭발생 조건일 경우에는 문의하여 주십시오.

Attachments for Standard Conveyor Chains

표준형 컨베이어 체인의 어태치먼트

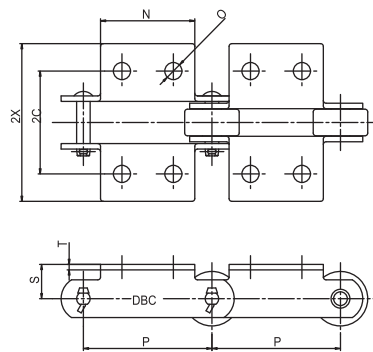
K-1 Attachment



unit : mm

DONG BO Chain No.		Pitch P	Dimensions						Add. Weight per Att.□ (kg)
Basic Chain No.	Roller Type		S	C	X	N	T	O	
DBC 03075 03100	R·F·S	75	20	60	92	55	3.2	10	0.10
	R·F·S	100				65			0.12
DBC 430	R·S	101.6	22	80	108	70	4.8(5.0)	12	0.22
DBC 05075 05100 05150	S	75	22	70	94	55	4.5	10	0.06
	R·F·S	100				65			0.16
	R·F·S	150				85			0.20
DBC 204	S	66.27	24	90	118	35	6.3(6.0)	12	0.16
DBC 450	R·F·S·M	101.6	28	100	128	70	6.3(6.0)	12	0.36
DBC 08150	R·F·S·M	150	28	100	128	90	6.3(6.0)	12	0.44
DBC 650	R·F·S·M	152.4	32	100	128	90	6.3(6.0)	12	0.44
DBC 10100 10150	R·S·M	100	28	100	130	70	6.3(6.0)	12	0.32
	R·F·S·M	150				90			0.40
DBC 214	R·S·M	101.6	35	110	146	80	7.9	15	0.56
DBC 6205	R·F·S·M	152.4	38	120	158	100	7.9	15	0.74
DBC 12200 12250	R·F·S·M	200	38	120	158	120	7.9	15	0.90
	R·F·S·M	250				165			1.24
DBC 212	R·S·M	152.4	45	130	166	100	9.5(10.0)	15	0.98
DBC 17200 17250	R·F·S·M	200	45	150	196	120	9.5(10.0)	15	1.32
	R·F·S·M	250				165			1.58

K-2 Attachment



unit : mm

DONG BO Chain No.		Pitch P	Dimensions						Add. Weight per Att.□ (kg)	
Basic Chain No.	Roller Type		S	2C	2X	N	K	T		O
DBC 03075 03100	R·F·S	75	20	60	92	55	30	3.2	10	0.10
	R·F·S	100				65	40			0.12
DBC 430	R·S	101.6	22	80	108	70	40	4.8(5.0)	12	0.22
DBC 05075 05100 05150	S	75	22	70	94	55	30	4.5	10	0.14
	R·F·S	100				65	40			0.16
	R·F·S	150				85	60			0.20
DBC 204	S	66.27	24	90	118	55	35	6.3(6.0)	12	0.26
DBC 450	R·F·S·M	101.6	28	100	128	70	40	6.3(6.0)	12	0.36
DBC 08150	R·F·S·M	150	28	100	128	90	60	6.3(6.0)	12	0.44
DBC 650	R·F·S·M	152.4	32	100	128	90	60	6.3(6.0)	12	0.44
DBC 10100 10150	R·S·M	100	28	100	130	70	40	6.3(6.0)	12	0.32
	R·F·S·M	150				90	60			0.40
DBC 214	R·S·M	101.6	35	110	146	80	40	7.9	15	0.56
DBC 205	S	78.11	35	120	150	65	30	7.9	12	0.46
DBC 6205	R·F·S·M	152.4	38	120	158	100	60	7.9	15	0.74
DBC 12200 12250	R·F·S·M	200	38	120	158	120	80	7.9	15	0.90
	R·F·S·M	250				165	125			1.24
DBC 212	R·S·M	152.4	45	130	166	100	60	9.5(10.0)	15	0.98
DBC 17200 17250	R·F·S·M	200	45	150	196	120	80	9.5(10.0)	15	1.32
	R·F·S·M	250				165	125			1.58
DBC 26200 26250	S·M	200	55	160	216	120	80	9.5(10.0)	15	1.56
	R·F·S·M	250	55	160	216	165	125			2.14

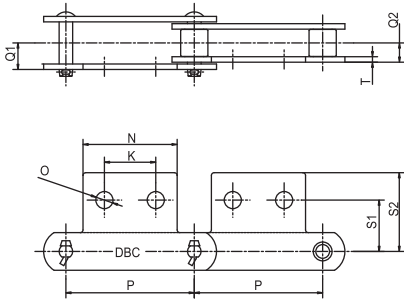
Note)

- Numbers of Plate in brackets indicates the Stainless steel 300 Series.
- X figures are approximations, Please inquire when chain apply under lateral usage and interference.

주)

- 링크플레이트 ()내 치수는 스테인레스 300시리즈임.
- X, 2X 치수는 개략치이며, 측면사용 혹은 간섭발생 조건일 경우에는 문의하여 주십시오.

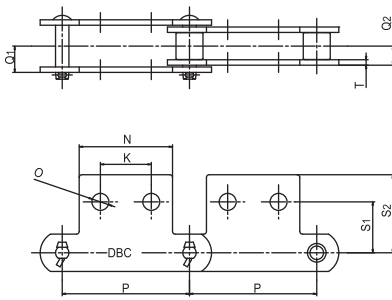
SA-2 Attachment



unit : mm

DONG BO Chain No.		Pitch	Dimensions								Add. Weight per Att. (kg)
Basic Chain No.	Roller Type		P	S ₁	S ₂	Q ₁	Q ₂	K	N	T	
DBC 03075	R·S	75	33	49	15.5	11.5	30	55	3.2	10	0.05
	R·S	100	33	49	15.5	11.5	40	65	3.2	10	0.06
DBC 430	R·S	101.6	37.6	51.6	22(22.5)	16(16.5)	40	70	4.8(5.0)	12	0.11
DBC 05100	R·S	100	33.4	50.7	21	15.5	40	65	4.5	10	0.08
	R·S	150	33.4	50.7	21	15.5	60	85	4.5	10	0.10
DBC 450	R·S·M	101.6	47.6	60.7	27(26.5)	20(19.5)	40	70	6.3(6.0)	12	0.18
DBC 08150	R·S·M	150	46.1	58.7	27(26.5)	20(19.5)	60	90	6.3(6.0)	12	0.22
DBC 650	R·S·M	152.4	50	63	28.5(28)	21.5(21)	60	90	6.3(6.0)	12	0.22
DBC 10100	R·S·M	100	46.1	61	28.5(28)	21.5(21)	40	70	6.3(6.0)	12	0.16
	R·S·M	150	46.1	61	28.5(28)	21.5(21)	60	90	6.3(6.0)	12	0.20
DBC 214	R·S·M	101.6	50	70	32.5	23.5	40	80	7.9	15	0.28
DBC 6205	R·S·M	152.4	55	75.7	35.5	26.5	60	100	7.9	15	0.37
DBC 12200	R·S·M	200	55	75.7	35.5	26.5	80	120	7.9	15	0.45
	R·S·M	250	55	75.7	35.5	26.5	125	165	7.9	15	0.62
DBC 212	R·S·M	152.4	60	83.6	38(39.5)	28(28.5)	60	100	9.5(10.0)	15	0.49

SK-2 Attachment



Note)
Numbers of Plate in brackets indicates the Stainless steel 300 Series.

주)
링크플레이트 ()내 치수는 스테인레스 300시리즈임.

unit : mm

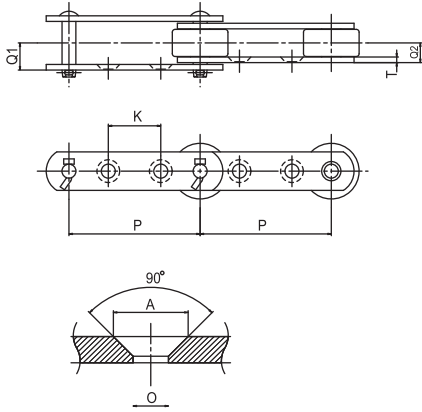
DONG BO Chain No.		Pitch	Dimensions								Add. Weight per Att. (kg)
Basic Chain No.	Roller Type		P	S ₁	S ₂	Q ₁	Q ₂	K	N	T	
DBC 03075	R·S	75	33	49	15.5	11.5	30	55	3.2	10	0.10
	R·S	100	33	49	15.5	11.5	40	65	3.2	10	0.12
DBC 430	R·S	101.6	37.6	51.6	22(22.5)	16(16.5)	40	70	4.8(5.0)	12	0.22
DBC 05100	R·S	100	33.4	50.7	21	15.5	40	65	4.5	10	0.16
	R·S	150	33.4	50.7	21	15.5	60	85	4.5	10	0.20
DBC 450	R·S·M	101.6	47.6	60.7	27(26.5)	20(19.5)	40	70	6.3(6.0)	12	0.36
DBC 08150	R·S·M	150	46.1	58.7	27(26.5)	20(19.5)	60	90	6.3(6.0)	12	0.44
DBC 650	R·S·M	152.4	50	63	28.5(28)	21.5(21)	60	90	6.3(6.0)	12	0.44
DBC 10100	R·S·M	100	46.1	61	28.5(28)	21.5(21)	40	70	6.3(6.0)	12	0.32
	R·S·M	150	46.1	61	28.5(28)	21.5(21)	60	90	6.3(6.0)	12	0.40
DBC 214	R·S·M	101.6	50	70	32.5	23.5	40	80	7.9	15	0.56
DBC 6205	R·S·M	152.4	55	75.7	35.5	26.5	60	100	7.9	15	0.74
DBC 12200	R·S·M	200	55	75.7	35.5	26.5	80	120	7.9	15	0.90
	R·S·M	250	55	75.7	35.5	26.5	125	165	7.9	15	1.24
DBC 212	R·S·M	152.4	60	83.6	38(39.5)	28(28.5)	60	100	9.5(10.0)	15	0.98



Attachments for Standard Conveyor Chains

표준형 컨베이어 체인의 어태치먼트

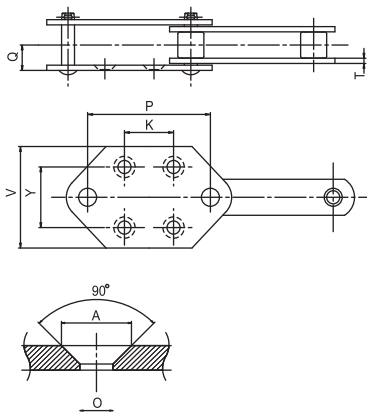
G-2 Attachment



unit : mm

DONG BO Chain No.		Pitch P	Dimensions					
Basic Chain No.	Roller Type		K	T	Q1	Q2	A	O
DBC 03075 03100	R · S	75	30	3.2	15.5	11.5	13.5	8
	R · F · S	100	50					
DBC 05100 05150	R · S	100	40	4.5	21	15.5	15	10
	R · F · S	150	60					
DBC 08150	R · F · S · M	150	60	6.3	27	20	20	12
DBC 650	R · F · S · M	152.4	60	6.3(6)	28.5(28)	21.5(21)	20	12
DBC 10100 10150	S · M	100	30	6.3(6)	28.5(28)	21.5(2.1)	20	12
	R · F · S · M	150	60					
DBC 6205	R · F · S · M	152.4	50	7.9	35.5	26.5	26	15
	R · F · S · M	200	80	7.9	35.5	26.5	26	15
DBC 12200 12250 12300	R · F · S · M	200	70					
	R · F · S · M	250	110	9.5(10.0)	45.5(46.5)	35(35.5)	26	15
	R · F · S · M	300	150					
DBC 26300 26450	R · F · S · M	300	140	9.5(10.0)	48(49)	38(38.5)	26	15
	R · F · S · M	450	220					
DBC 36450 36600	R · F · S · M	450	220	12.7	60	46	32	19
	R · F · S · M	600	300					
DBC 52450 52600	R · F · S	450	200	16	71.5	45.5	38	24
	R · F · S	600	300					

G-4 Attachment



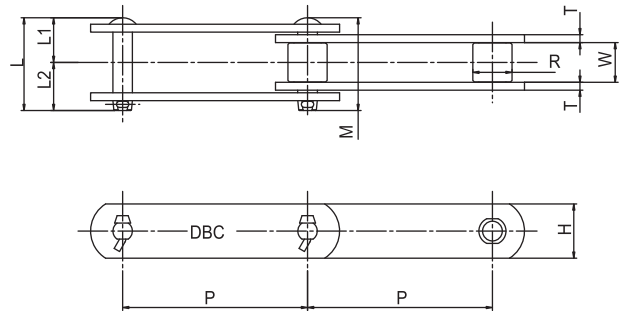
unit : mm

DONG BO Chain No.		Pitch P	Dimensions							Add. Weight per Att. × 2L (kg/m) □
Basic Chain No.	Roller Type		V	K	Y	T	Q	A	O	
DBC 05100 05150	S	100	80	50	50	4.5	21	15	10	4.6
	S	150	70	70						4.1
DBC 650	S · M	152.4	110	75	70	6.3	28.5	20	12	7.2(7.6)
DBC 10150	S · M	150	110	75	70	6.3	28.5	20	12	7.2(7.4)
DBC 6205	S · M	152.4	110	75	70	7.9	35.5	26	15	11.0(11.3)
DBC 12200	S · M	200	110	100	70	7.9	35.5	26	15	10.2(10.5)
DBC 17200 17250	S · M	200	120	100	80	9.5	45.5	26	15	14.0(14.6)
	S · M	250	150	140	100					14.5(15.0)
DBC 26200 26250 26300	S · M	200	120	100	80	9.5	48	26	15	17.5(18.5)
	S · M	250	150	140	100					17.6(18.4)
	S · M	300	150	180	100					16.7(17.4)
DBC 36250 36300	S · M	250	150	140	100	12.7	60	32	19	27.6(28.6)
	S · M	300	180							26.2(27.1)

* Add. Weight per Att. = additional Weight per Attachment at every second link spacing

* 2링크마다 어태치먼트 부착시의 중량(kg/m)

Standard Conveyor Chain II (Bushed Type) 표준형 컨베이어 체인II (부쉬드타입)



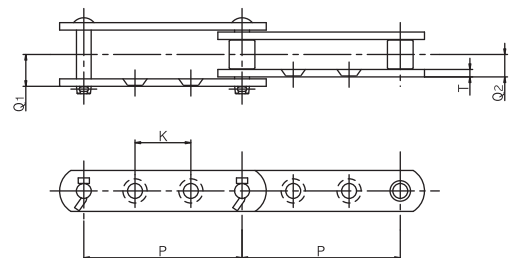
unit : mm

DONG BO Chain No.	Pitch P	Bushing		Plate		Pin			Arg. Breaking Load (kgf)	Max. Allowable Load (kgf)	Weight (kg/m)	
		Dia. R	Inner Width W	Thick-ness T	Heigh H	Dia. D	Length					
							L	L1				L2
DBC B204	66.27	22.2	27.0	6.3	28.6	11.10	64.5	29.5	35.0	8,000	750	5.6
DBC B205	78.11	31.8	36.5	7.9	38.1	14.30	85.0	38.7	46.3	14,000	1,300	10.3
DBC B05101	101.60	18.2	22.2	4.8	25.4	9.54	51.2	23.9	27.3	5,500	500	2.9
DBC B16103	103.20	44.5	44.5	7.9	50.8	19.10	97.5	44.5	53.0	19,000	2,250	15.1
DBC B07100	100.0	20.0	22.2	4.8	31.8	11.10	53.4	24.2	29.2	7,500	600	3.6
DBC B10100	100.0	25.4	30.0	6.3	38.3	14.30	70.0	32.2	37.8	11,500	1,050	6.7
DBC B10150	150.0	25.4	30.0	6.3	38.1	14.30	70.0	32.2	37.8	11,500	1,050	5.7

G-2 Attachment

unit : mm

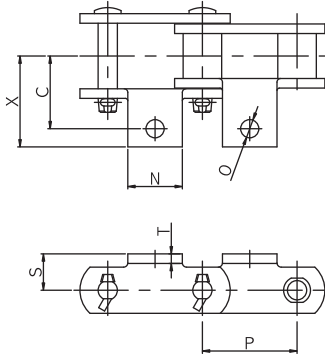
DONG BO Chain No.	Pitch P	Dimensions				
		K	T	Q ₁	Q ₂	d
DBC B07100	100	40	4.8	20.9	15.8	9.5
DBC B10100	100	35	6.3	28.1	21.3	11
DBC B10150	150	60	6.3	28.1	21.3	11



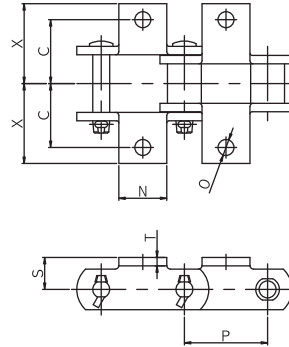
Attachments for Standard Conveyor Chain II (Bushed Type)

표준형 컨베이어 체인 II(부쉬드타입)

A-1 Attachment



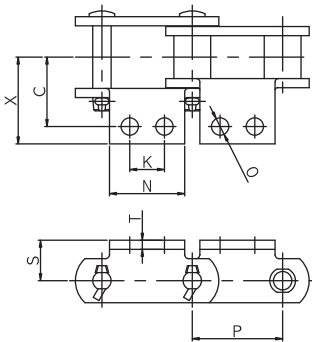
K-1 Attachment



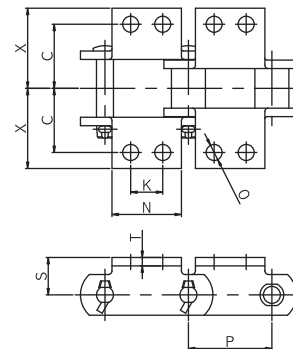
unit : mm

DONG BO Chain No.	Pitch P	Dimensions						Add.Weight per Attachment. (kg/each)
		S	C	X	N	T	O	
DBC B204	66.27	24	45	64	35	6.3	11	0.10 (0.20)
DBC B205	78.11	35	60	87	45	7.9	12	0.15 (0.30)

A-2 Attachment



K-2 Attachment



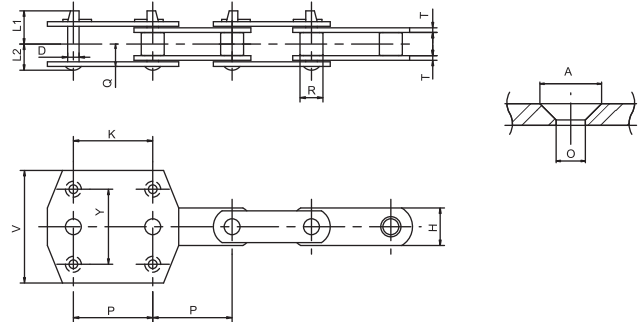
unit : mm

DONG BO Chain No.	Pitch P	Dimensions							Add.Weight per Attachment. (kg/each)
		S	C	X	N	K	T	O	
DBC B205	78.11	35	60	79	79	65	7.9	12	0.25 (0.50)
DBC B07100	100.00	12	35	47	65	47	4.8	9.5	0.10 (0.20)
DBC B10100	100.00	28	50	64	70	64	6.3	11	0.10 (0.30)
B10150	150.00	28	50	66	90	66	6.3	11	0.20 (0.40)

Chains for High - Bucket Elevator

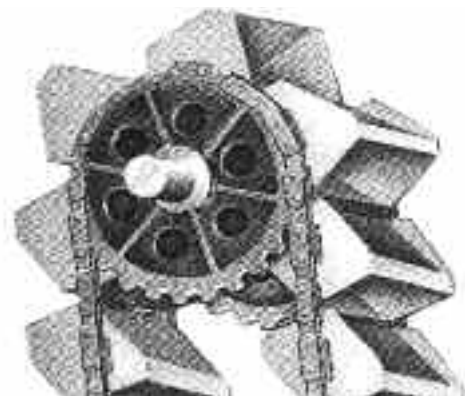
버킷 엘리베이터 체인

This chain is specially designed for high-speed bucket elevator, and it have durable life, strength & fatigue strength.
수송물을 수직으로 고속운반하는 고속의 버킷 엘리베이터에 사용됩니다. 강도, 내충격성, 내피로성이 우수합니다.



unit : mm

DONG BO Chain No.	Pitch P	Roller Dia R	Inner width W	Pin			Plate		Attachment Dimensions						Avg. Breaking load (kgf)	Weight (kg/m)		
				D	L ₁	L ₂	T	H	V	K	Y	Q	A	O		non attached	with attachment	
DBC	HB23100	100	44.5	51.8	19.05	59.8	51.7	9	50	150	100	105	45.5	33	18	23,000	17.5	20.4
	HB32100	100	50.8	57.6	22.2	62.8	55.7	9	65	150	100	105	48.5	33	18	32,000	24.7	27.3
	HB33100	100	44.5	51.8	22.2	60.2	53.8	9	57	150	100	105	45.5	33	18	33,000	19.0	21.7
	HB50100	100	50.8	57.6	25.4	64.2	57.3	9	75	150	100	150	48.5	33	18	50,000	26.2	28.6
	HB50125	125									180	125					130	23.0
	HB75125	125	63.5	67.4	31.8	78.0	70.0	12	90	180	125	130	60	33	18	75,000	41.9	46.1
	HB75150	150								220	150	170					37.6	42.7
	HB75175	175								230	175	180					34.5	39.7
	HB100125	125	70	75	35	90.8	83.2	16	100	180	125	130	72	39	22	100,000	63.3	68.1
	HB100150	150								230	150	170					56.7	63.9
	HB100175	175								240	175	180					52.0	59.3
	HB120125	125	75	82.5	38.5	95.5	88.0	16	115	200	125	150	76	39	22	120,000	74.6	79.8
	HB120150	150								230	150	170					68.3	75.1
	HB120175	175								240	175	180					62.5	69.4
	HB140150	150	82	85	41.75	99.3	90.2	16	125	230	150	170	77	39	22	140,000	81.3	87.8
	HB140175	175								250	175	180					74.0	81.1
HB160175	175	86	92.5	44.5	110.3	101.2	19	130	250	175	180	87	42.2	26	160,000	91.6	99.9	
HB200175	175	97	95	50.8	114.0	103.5	19	150	260	175	195	88.5	42.2	26	200,000	119.3	134.2	



Wear-Resistant Bucket Elevator Chains

내마모성 버킷 엘리베이터 체인

The general wear resistant conveyor chain is produced from the quenched & tempered Heat-Treatment to alloy steel of materials. This Wear-Resistant Bucket Elevator Chain is produced by combination of selected materials and technology through our lots of experiment. In this point, chain parts of Pin, Bush Roller, are ultimately designed with considering dimensions, clearance & hardness. This specially designed chain can guarantee improved life by 2times than general Wear-Resistant Conveyor Chain.

Applications

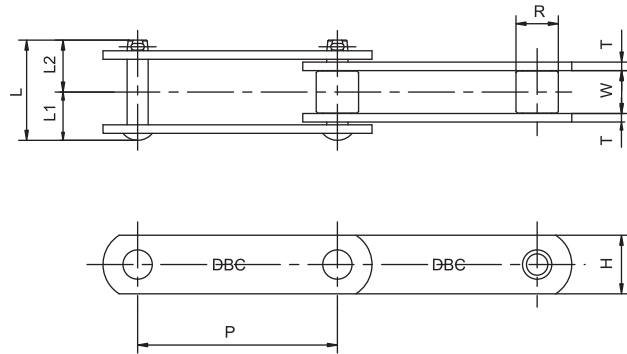
Cement Mill(or Factory), Coal Mining, Iron Works, Glass Industry, Heavy duty conveying applications, etc.

특징

종래의 일반형 내마모형 체인은 합금강을 소입, 소려처리해서 사용했었습니다. 초내마모 컨베이어 체인은 다년간의 실험 및 각종 현장 시험결과를 토대로 그 사용조건에 따라서, 핀은 표면 경화 처리, 부쉬 및 로울러는 특수 고합금강을 최적의 경도차로 조합한 것으로서 각 부품간의 클리어런스는 특수하게 설계되어 있습니다. 이러한 개선으로 인해 이 체인은 종래의 일반형 내마모 컨베이어 체인에 비해서 2배 이상의 마모수명이 보증됩니다.

용도

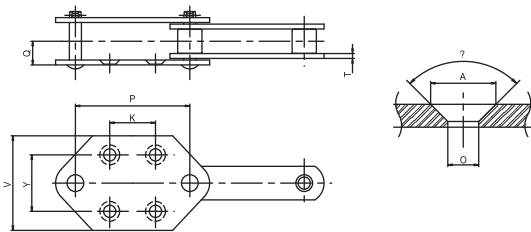
CEMENT공업, 유리요업, 채광, 제철공업
기타 마모에 대하여 가혹한 환경의 경우등.



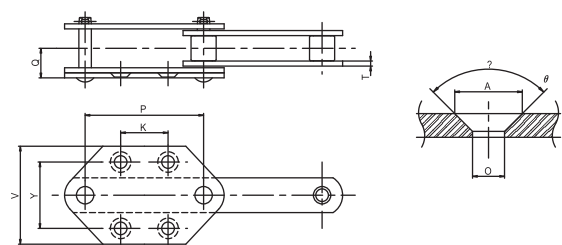
unit :mm

DONG BO Chain No.	Pitch P	Roller Dia. R	Inner width W	Plate		Pin			Avg. Breaking Load				Approx weight (kg/m)		
				T	H	L ₁	L ₂	L	CN Type	CH Type	CC Type	CE Type			
DBC WB10150S	150	29	30	6.3	38.1	33	36	69	11,500	23,000	11,500	21,500	5.4		
DBC WB12006S	152.4	34.9	37.1	7.9	44.5	40.5	43	83.5	19,000	28,500	19,000	28,500	8.6		
DBC WB12200S	200												7.8		
DBC WB17200S	200	40.1	51.4	9.5	50.8	51.5	58	109.5	25,000	39,500	25,000	39,500	11.6		
DBC WB17250S	250												10.7		
DBC WB26200N	200	50.8	57.2	9.5	63.5	56	61	117	30,500	57,500	30,500	52,000	16.2		
DBC WB26250N	250					68.5		129.5					14.7		
DBC WB26300N	300					69		147					13.9		
DBC WB36250S	250	57.2	66.7	12.7	76.2	81	78	159	-	88,500	-	87,000	23.7		
DBC WB36300N	300												81	78	22.1
DBC WB36350N	350												81	159	20.6
DBC WB60300N	300	70	77	12.7	90	88	84	172	-	106,000	-	96,000	29.7		
DBC WB60350N	350												88	84	27.8
DBC WB60400N	400												88	172	26.4
DBC WB90350N	350	85	88	16	110	101.5	95.5	197	-	166,000	-	151,000	45.9		
DBC WB90400N	400												101.5	95.5	43.4
DBC WB20400N	400	100	100	19	130	119.5	108	227.5	-	225,000	-	206,000	63.5		

G-4 Attachment Type



G-4 Double Attachment - Plate Type



G-4 Attachment Type

Chain No.		Pitch P	Dimensions								Add. Weight Per Attachment (at every second Link spalling) (kg/m)
			V	K	Y	T	Q	A	O	θ	
DBC	WB10150S	150	110	75	70	6.3	28.5	26	15	90°	7.0
	WB12006S	152.4	110	75	70	7.9	35.5	26	15	90°	11.0
	WB12200S	200	120	100	80						9.9
	WB17200S	200	120	100	80	9.5	45.5	26	15	90°	13.9
	WB17250S	250	150	140	100			32	19	90°	14.0
	WB26200N	200	120	100	80	9.5	48	26	15	90°	18.3
	WB26250N	250	150	140	100			32	19	90°	17.8
	WB36250N	250	150	140	100	12.7	60	32	19	90°	27.5

unit : mm

G-4 Double Attachment - Plate Type

Basic Chain No.		Pitch P	Dimensions								Add. Weight Per Attachment (at every second Link spalling) (kg/m)
			V	K	Y	T	Q	A	O	θ	
DBC	WB26300N	300	200	170	140	12	60	38	24	90°	22.5
	WB36300N	300	200	170	140	12	72	38	24	90°	31.4
	WB36350N	350	240	200	170	12	72	40	28	60°	31.2
	WB60300N	300	200	170	140	12	77	38	24	90°	39.5
	WB60350N	350	240	200	170	12	77	40	28	60°	38.8
	WB60400N	400	280	230	200	16	81	50	35	60°	42.8
	WB90350N	350	240	200	170	12	89.5	40	28	60°	57.8
	WB90400N	400	280	230	200	16	93.5	50	35	60°	60.8
	WB20400N	400	280	230	200	16	105.5	50	35	60°	82.2

unit : mm



Bearing Roller Chains

베어링 내장형 체인

Ball bearing chain (볼 베어링 체인)

This chain contains ball bearings inside the rollers.
 Low rotating frictional force of the roller allows minimal operational loss and high allowable load compared to other rollers.

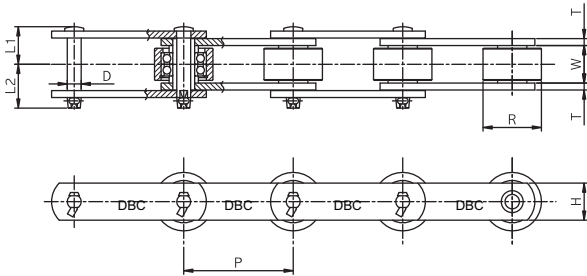
- Dimensions of the assembled chain and attachments are identical to general conveyor chains.
- General conveyor chain sprockets are used.
- Coefficient of rotating friction $f : 0.035 \sim 0.05$

로울러에 볼베어링을 넣거나 로울러와 부쉬 사이에 니이들을 넣은 형식의 체인입니다.

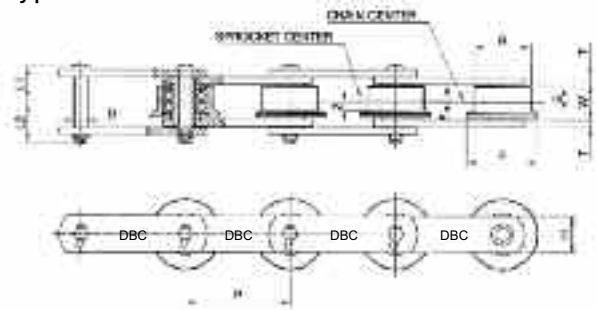
로울러의 회전마찰이 적어 체인의 구동손실이 적으며, 일반로울러에 비하여 로울러의 허용부하가 높습니다.

- 체인 본체 및 어태치먼트의 치수는 범용 컨베이어 체인과 동일합니다.
- 스프라켓도 범용 컨베이어 체인용 스프라켓과 동일하게 사용합니다.
- 회전 마찰계수 $f : 0.035 \sim 0.05$

Type-BR



Type-BF



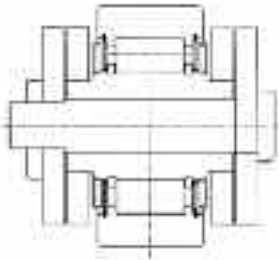
unit : mm

DONG BO Chain No.		Pitch	Roller Diameter	F-Roller Dimensions					Inner Width	Plate		Pin			Max. Allowable Load of Roller (kg/each)		Avg. Breaking Load(kgf)		Weight			
Basic Chain	Type of Roller			P	R	R	F	E		e	Z	T	H	D	L1	L2	R-Roller	F-Roller	Standard Series	Heavy Series	R-Roller	F-Roller
DBC	05100	100	40	40	50	14	2.5	4.5	22	4.5	32	11.1	24.6	29.6	310	200	3,000	7,100	5.0	5.2		
	05150	150																			4.4	4.2
DBC	08150	150	44.5	44.5	55	20	3	7	27	6.3	28.6	11.1	30.7	35.7	420	270	8,000	11,500	5.5	5.8		
DBC	10100	100	50.8	50.8	65	20	3	7	30	6.3	38.1	14.3	32.7	39.2	560(790)	350	11,500	23,000	9.8	10.3		
	10125	125																			8.7	8.9
	10150	150																			7.9	8.1
DBC	6205	152.4	57.2	57.2	70	25	3.5	9	37.1	7.9	44.5	15.9	40	46.5	850(1,200)	560	19,000	28,500	12.1	12.4		
DBC	12200	200	65	65	80	24	4	8	37.1	7.9	44.5	15.9	40	46.5	850(1,200)	560	19,000	28,500	11.4	11.9		
	12250	250																			10.3	10.6
DBC	212	152.4	69.9	69.9	85	25	4	8.5	37.1	9.5	50.8	19.05	44.2	52.7	1,440(2,000)	1000	25,000	39,500	17.1	18		
DBC	17200	200	80	80	100	34	5	12	51.4	9.5	50.8	19.05	51.5	60	1,440(2,000)	1000	25,000	39,500	18.8	19.8		
	17250	250																			16.5	17.3
	17300	300																			15.0	15.7
DBC	26200	200	100	100	125	38	6	13	57.2	9.5	63.5	22.2	55.2	62.7	2,000(2,800)	1400	32,000	53,000	29	31		
	26250	250																			25.3	26.2
	26300	300																			22.3	23.6
	26450	450																			18.0	18.9
DBC	36250	250	125	125	150	49	8	16.5	77	12.7	90	35	77	84	2,800(3,900)	1900	48,500	69,500	42.7	45.8		
	36300	300																			39.0	40.1
	36450	450																			30.7	31.9

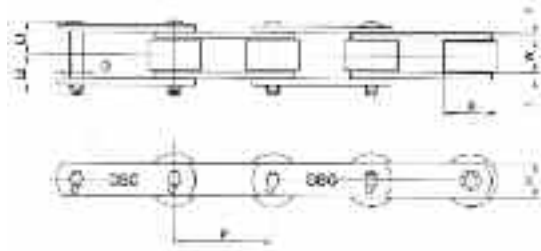
Note) Numbers within () are used when two bearings are contained in one roller.

주) ()내 치수는 1개의 로울러에 베어링 2개 내장시 적용.

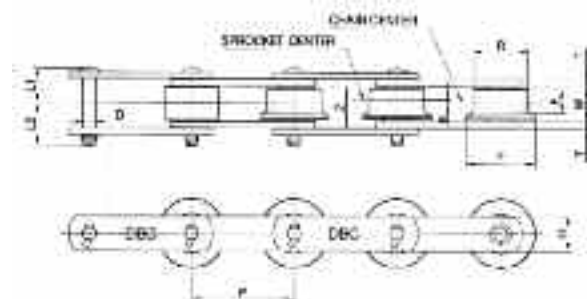
Needle bearing chains 니이들 베어링 체인



Section of Roller 로울러의 단면



Type-NBR



Type-NBF

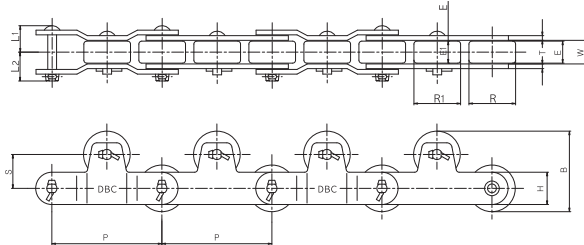
unit : mm

DONG BO Chain No.		Pitch	Roller Dia meter			F-Roller Dimensions					Inner Width	Plate		Pin			Max. Allowable Load of Roller (kg/each)		Avg. Breaking Load(kgf)		Weight	
Basic Chain	Type of Roller		P	R	E	R	F	E	e	Z		W	T	H	D	L1	L2	R-Roller	F-Roller	Standard Series	Heavy Series	R-Roller
DBC 03075	NBR-NBF	75	31.8	15.5	31.8	42	12	1.8	4.3	16.1	3.2	22	7.9	17.5	19.5	200	130	3.000	7.100	2.7	2.8	
DBC 03100	NBR-NBF	100																		2.3	2.4	
DBC 05100	NBR-NBF	100	40	19	40	50	14	2.5	4.5	22	4.5	32	11.1	24.6	29.6	310	200	7.000	14.500	5.0	5.2	
DBC 05150	NBR-NBF	150																		4.1	4.2	
DBC 450	NBR-NBF	101.6	44.5	23	44.5	55	20	3	7	27	6.3	28.6	11.1	30.7	35.7	420	270	8.000	14.500	6.8	7.2	
DBC 08150	NBR-NBF	150	44.5	23	44.5	55	20	3	7	27	6.3	28.6	11.1	30.7	35.7	420	270	8.000	14.500	5.5	5.6	
DBC 10100	NBR-NBF	100																		9.8	10.3	
DBC 10125	NBR-NBF	125	50.8	27	50.8	65	20	3	7	30	6.3	31.8	14.3	32.7	39.2	560	350	11.500	23.000	8.7	8.9	
DBC 10150	NBR-NBF	150																		7.9	8.1	
DBC 6205	NBR-NBF	152.4	57.2	32	57.2	70	25	3.5	9	37.1	7.9	44.5	15.9	40	46.5	850	560	19.000	28.500	12.1	12.4	
DBC 12200	NBR-NBF	200	65	32	65	80	24	4	8	37.1	7.9	44.5	15.9	40	46.5	850	560	19.000	28.500	11.4	11.9	
DBC 12250	NBR-NBF	250																		10.3	10.6	
DBC 212	NBR-NBF	152.4	69.9	32.5	69.9	85	25	4	8.5	37.1	9.5	50.8	19.05	44.2	52.7	1.440	1.000	25.000	39.500	17.1	18	
DBC 17200	NBR-NBF	200																		18.8	19.8	
DBC 17250	NBR-NBF	250	80	44	80	100	34	5	12	51.4	9.5	50.8	19.05	51.5	60	1.440	1.000	25.000	39.500	16.5	17.3	
DBC 17300	NBR-NBF	300																		15.0	15.7	
DBC 26200	NBR-NBF	200																		29.0	31.0	
DBC 26250	NBR-NBF	250																		25.3	26.2	
DBC 26300	NBR-NBF	300	100	50	100	125	38	6	13	57.2	9.5	63.5	22.2	55.2	62.7	2.000	1.400	32.000	53.000	22.2	23.6	
DBC 26450	NBR-NBF	450																		18.0	18.9	
DBC 36300	NBR-NBF	300																		42.7	45.8	
DBC 36450	NBR-NBF	450	125	56	125	150	49	8	16.5	77	12.7	90	35	77	84	2.800	1.900	48.500	69.500	39.0	40.1	
DBC 36600	NBR-NBF	600																		30.7	31.9	

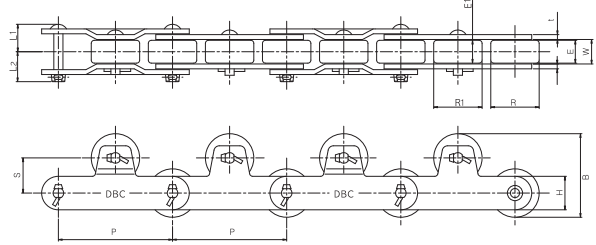
Top Roller Conveyor Chains

톱 로울러 컨베이어 체인

TR-1 Type



TR-2 Type



* When ordering, please indicate spacing for installation breaks of top rollers
* 주문시에는 톱로울러의 부착 간격을 명시하여 주십시오.

unit : mm

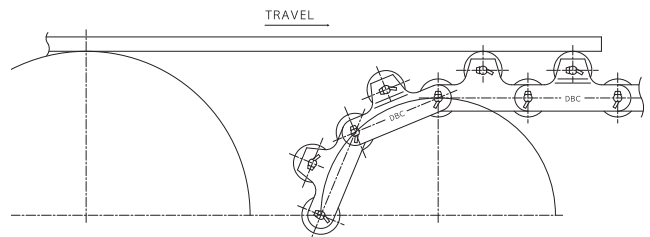
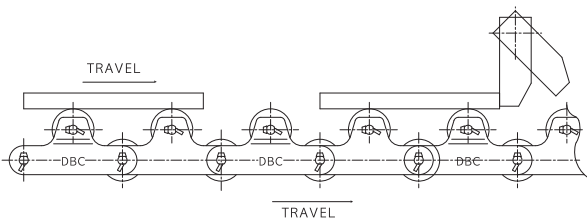
DONG BO Chain No.	Pitch P	Approx weight	Roller		Inner Width W	Plate		Pin		S	Top Roller		B	Type	Add. weight per top roller (kg/each)	Max. Allowable Load per top roller (kg/each)	
			R	E		T	H	L1	L2		R1	E1				Standard series	Heavy series
DBC 03075R-TR	75	2.7										PL20					
DBC 03100R-TR	100	2.3	31.8	15.5	16.1	3.2	22	18	20	23.1	40	RL13	59	☆	0.18	35	60
DBC 05100R-TR	100	5.0															
DBC 05100R-TR	150	4.1	40	19	22	4.5	32	25	28.5	30	40	19	70	TR1	0.26	65	105
DBC 03100R-TR	150	5.5	44.5	23	27	6.3	28.6	31	34.5	30	40	23	72.2	TR1	0.35	80	130
DBC 10150R-TR	150	7.9	50.8	27	30	6.3	38.1	33	36	30	50.8	27	80.8	TR1	0.56	115	195
DBC 6250R-TR	152.4	12.1	57.2	32	37.1	7.9	44.5	40.5	43	37.8	57.2	32	95	TR1	0.91	150	255
DBC 12200R-TR	200	11.4	65	32	37.1	7.9	44.5	40.5	43	45	65	32	110	TR1	1.15	150	255
DBC 17200R-TR	200	18.8	80	44	51.4	9.5	50.8	51.5	58	65	80	44	145	TR2	2.58	250	420

Note) ☆=Pin Link plate : 20, Roller Link plate : 13

주) ☆표시 치수는 링크플레이트가 절곡되지 않은 평행형이므로 핀링크플레이트:20, 로울러 링크플레이트:13입니다.

Application of Attachment

사용예



- Temporary stop and accumulate of items without halting the entire line.
- Transporting, stopping and accumulating in same conveyor line.
- 체인을 연속가동하여, 운반물을 스톱퍼 (Stopper) 에 의해 저장 (Stock)
- 동일 체인상에서 수송, 정지작업을 동시에 시행

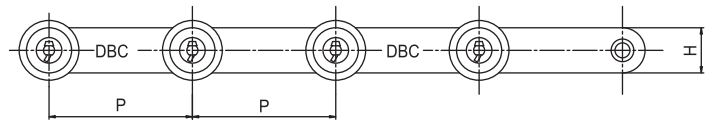
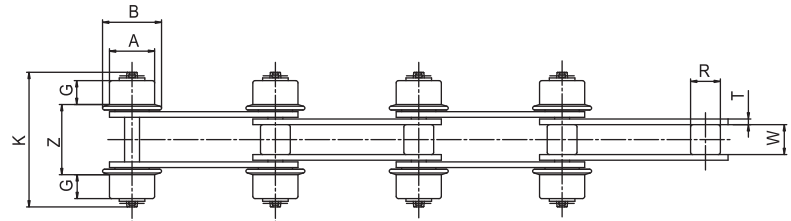
- Top roller can absorb shock on impact for movement
- 이재시 충격완화

Side Roller Conveyor Chain

사이드 로울러 컨베이어 체인

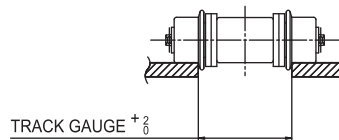


* Pictured chain is Side Roller conveyor chain with K-2 Attachment
 * 사진은 K-2 어태치먼트 부착형

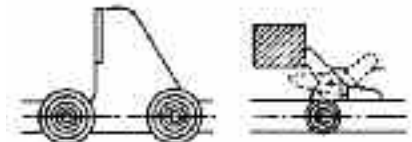


This chain has extended pin length based on the general DBC standard conveyor chain S roller and side rollers attached on both sides.

표준형 컨베이어 체인의 S로울러를 기본으로 하여 핀의 길이를 연장하고, 양측에 사이드 로울러(Side Roller)를 부착한 타입입니다.



Method of Chain Guide



Application of Attachment

unit : mm

DONG BO Chain No.	Pitch P	Roller Dia R	Inner Width W	Plate		Side Roller			K	Z	Rail Gage	Add. Weightper Side Roller (kg/each)	Max. Allowable Load of both Side Roller(kg)	
				Thickness T	Height H	A	B	G					Standard Type	Quenched* Type
DBC 03075S-SR	75	15.9	16.1	3.2	22	31.8	42	12	76	38	40	0.3	70	110
DBC 03100S-SR	100													
DBC 430S-SR	101.6	20.1	22.6	4.8	25.4	38.1	50	15	103	56	58	0.5	100	160
DBC 05075S-SR	75	22.2	22	4.5	32	40	50	14	102	55	57	0.5	120	200
DBC 05100S-SR	100													
DBC 05150S-SR	150													
DBC 450S-SR	101.6	22.2	27	6.3	28.6	44.5	55	20	130	70.5	72.5	0.7	170	240
DBC 10100S-SR	100	29	30	6.3	38.1	50.8	65	20	136	73	75	1.0	200	330
DBC 10150S-SR	150													
DBC 6205S-SR	152.4	34.9	37.1	7.9	44.5	57.2	70	25	167	90.5	92.5	1.3	280	470
DBC 12200S-SR	200	34.9	37.1	7.9	44.5	65	80	24	167	92.5	94.5	1.8	280	470
DBC 12250S-SR	250													
DBC 17200S-SR	200	40.1	51.4	9.5	50.8	65	80	24	192	112.5	114.5	3.8	320	540
DBC 17250S-SR	250													
DBC 17300S-SR	300													
DBC 26200S-SR	200	44.5	57.2	9.5	63.5	80	100	34	229	124.5	126.4	6.9	500	860
DBC 26250S-SR	250													
DBC 26300S-SR	300													
DBC 36250S-SR	250	50.8	66.7	12.7	76.2	100	125	38	268	151	153	11.7	670	1130
DBC 36300S-SR	300													
DBC 36450S-SR	450													

Note) Basic chain specifications are identical to the DBC-standard conveyor chain I.

주) 체인의 기본사양은 표준형 컨베이어 체인과 동일합니다.

* Quenched Type = 소입사양

Conveyor Chains with Various Attachment

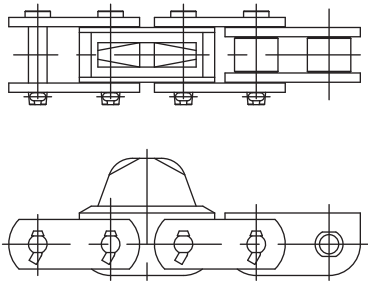
특수 어태치먼트 부착형 컨베이어체인

Dong Bo Chain produce thousands of attachment combinations, steel-materials and specifications which can be custom-configured to any requirement.

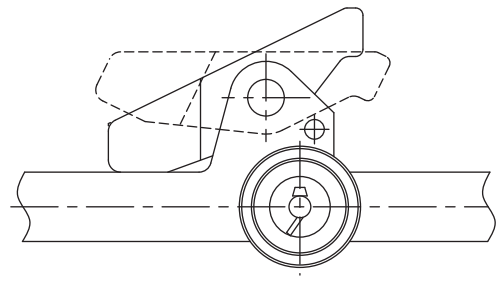
Dong Bo Chain is available at any time for technical advice, optimal design of chain drives.

아래는 동보체인이 생산하는 다양한 특수 어태치먼트들입니다. 동보체인에서는 1,500여 종류의 다양한 어태치먼트를 생산하고 있으며, 사용 목적에 적합한 어태치먼트를 선정해 드리는 고객 서비스를 제공하고 있습니다. 동보체인은 항상 고객 여러분과 함께 하고 있습니다.

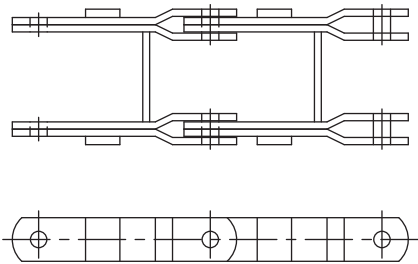
Dog Chain [도그체인]



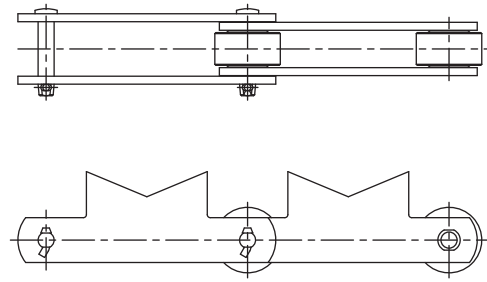
Dog Chain [도그체인]



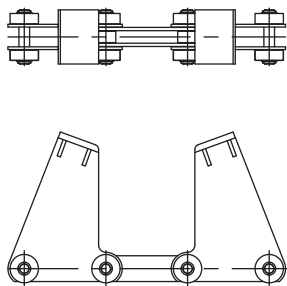
Flight Chain [플라이트 체인]



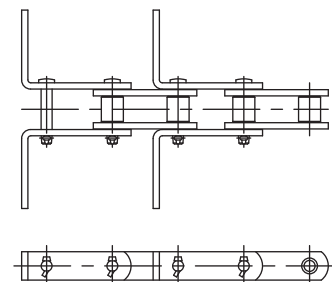
Chain for steel bar transportation Chain [환강(丸鋼)반송용 체인]



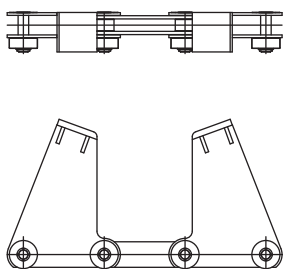
Saddle Chain [새들 체인]



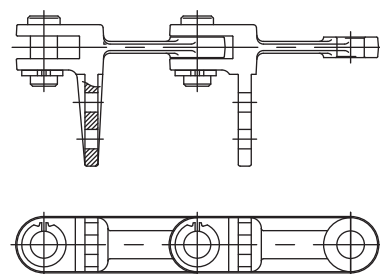
Scraper Chain [스크레이퍼 체인]



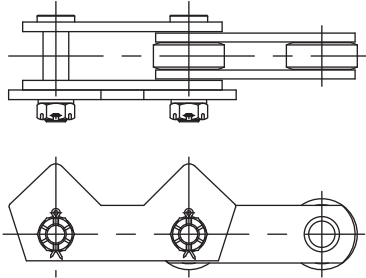
Saddle Chain [새들 체인]



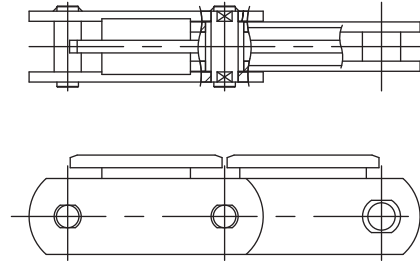
Case Chain [케이스 체인]



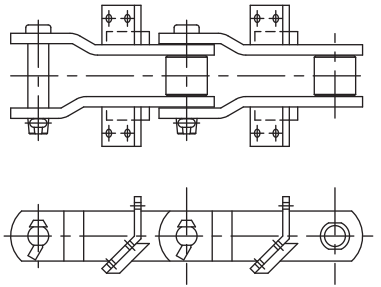
Chain for section steel transportation Chain [형강반송용 체인]



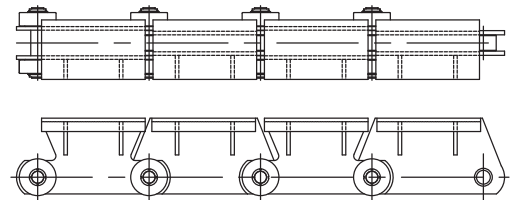
Top plate Chain [톱플레이트 체인]



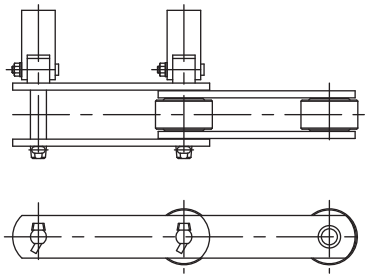
Digester Chain [다이제스터 체인]



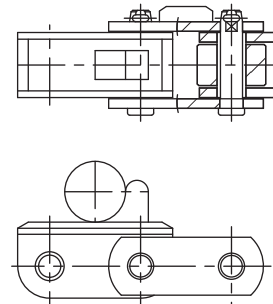
V-Saddle Chain [V-새들 체인]



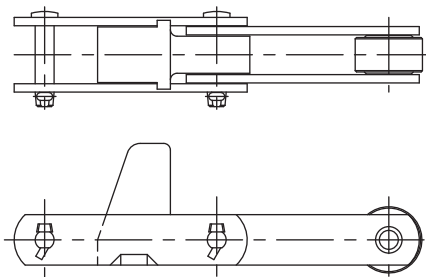
Hinged Chain [힌지드 체인]



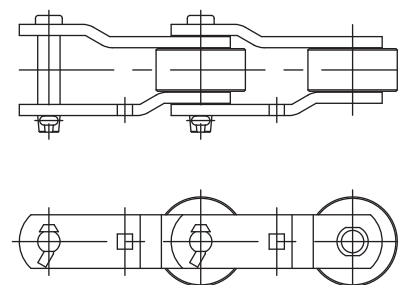
Dog Chain [도그체인]



Dog Chain [도그체인]



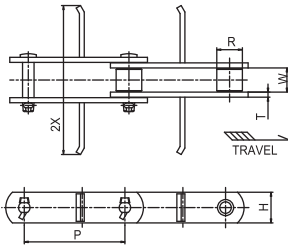
Bottle-Washer Chain [세병기용 체인]



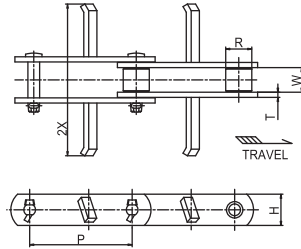
Attachments for Flow Conveyor Chain

플로우 컨베이어용 체인 어태치먼트

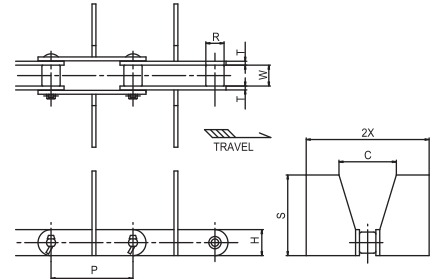
L Attachment



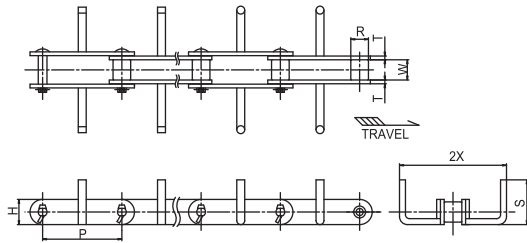
KL Attachment



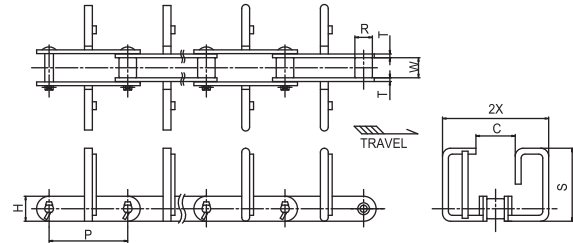
W Attachment



B Attachment



U₂V(U₂VN) Attachment



unit : mm

DONG BO Chain No.	Compatible Conveyor No.	Pitch	Roller Dia.	Inner Width	Plate		Wing Width 2X	Dimension of Attachment											
					H	T		L-type		KL-type		W-type			B-type		U ₂ V(U ₂ VN)-type		
								S	* kg/m	S	* kg/m	S	C	* kg/m	S	* kg/m	S	C	* kg/m
DBC 450WM	# 150	101.6	25.4	27	31.8	6.3	135	28	6.5	28	6.5	80	80	8.1	55	7.4	80	60	9.1
DBC 08125WM	# 200	125	25.4	27	31.8	6.3	185	28	6.5	28	6.5	115	85	10.3	80	8.2	115	85	10.1
DBC 10125M	# 200	125	31.8	30	38.1	6.3		34	8.1	34	8.1	115	85	11.3	80	8.2	115	85	10.9
DBC 10150M	# 270	150	31.8	30	38.1	6.3		34	8.1	34	8.1	140	105	13.0	100	9.8	140	105	12
DBC 6205M	# 270	152.4	38.1	37.1	44.5	7.9	250	40	12	40	12	140	105	17.2	100	14.4	140	105	18.5
DBC 12200M	# 350	200	38.1	37.1	44.5	7.9	330	40	12	40	12	185	130	22.6	125	16.3	185	130	20
DBC 17200M	# 350	200	44.5	51.4	50.8	9.5	330	46	17	46	17	185	130	26.3	125	18.7	185	130	23
DBC 17250M	# 450	250	44.5	51.4	50.8	9.5	430	46	17	46	17	230	135	31.5	160	19.3	230	135	23.7
DBC 26200M	# 410	200	50.8	57.2	63.5	9.5	390	58	28	58	28	233	100	41.7	150	25	233	100	33.4
DBC 26250M	# 450	250	50.8	57.2	63.5	9.5	430	58	23	58	23	230	135	35.7	160	25	230	135	29
DBC 26300M	# 580	300	57.2	66.7	76.2	12.7	560	70	34	70	34	290	160	53.0	200	27	290	160	30.6
DBC 36300M	# 580	300	57.2	66.7	76.2	12.7	560	70	34	70	34	290	160	61.3	200	37	290	160	40

* Weight of Attachment

Application of Attachment 어태치먼트 형식별 용도

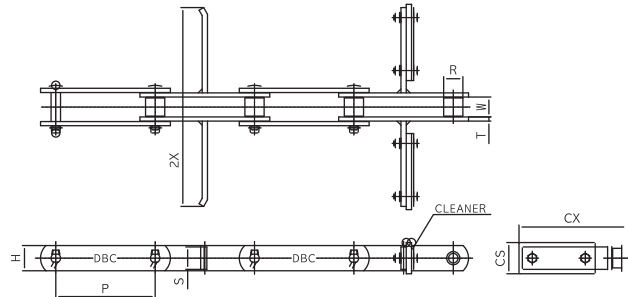
Attachment Type 어태치먼트형식	Application 적 용	Attachment Type 어태치먼트형식	Application 적 용
L, KL	For conveying powder items including cement and grains such as wheat For conveying powder items with high adhesiveness 밀등의 곡류 및 시멘트 등 분체 수송물 부착성이 큰 분체 수송물	U ₂ V 환(round) U ₂ VN 환(round)	More adequate for large conveyor than L, KL or B upward gradient L, KL, B 보다 대형 컨베이어, 혹은 상향구배용
B 환(round)	For conveying powder item such as flour and cement at a higher conveyance efficiency than the attachment 밀가루, 시멘트 등 분체를 어태치먼트 보다 높은 수송효율로 반송하는 경우	U ² V 각(angle) U ² VN 각(angle)	For conveying items difficult with U ₂ V (or U ₂ VN) round types such as ingot, granular, or items with adhesiveness U ² V(U ² VN) 환으로는 수송이 곤란한 괴상, 입상 혹은 부착성이 있는 운반물
B 각(angle)	For conveying powder items difficult with B-round types such as ingot, granular, or items with adhesiveness B 환에서는 곤란한 괴상(塊狀), 입상(粒狀) 또는 부착성이 있는 수송물의 반송용	W	For conveying powder items that easily disperse into air 날리기 쉬운 분체 수송용

Flow Conveyor Chain for Conveying Grains

곡물 전용 플로우 컨베이어체인

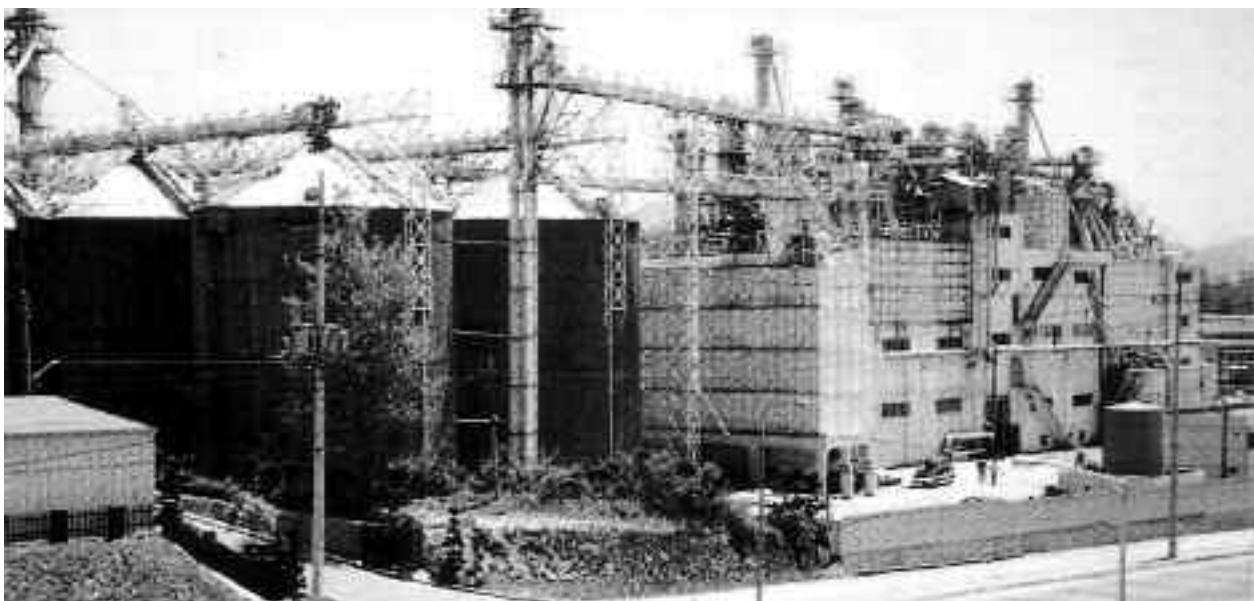
This is a horizontal Scraper (within 10° gradient, adjustable upward or downward) Chain for conveying grains.
 Purpose of the scratch plate is to prevent conveyed items from breaking, and the cleaner prevents conveyed items from remaining in the case.

곡물전용 수평 스크레이퍼용 (10° 이내의 상향, 하향구배)체인입니다.
 긁기판(Scratcher Plate)은 레일상의 수송물을 깨지지 않게 하고 크리너(Cleaner)는 케이스내의 수송물을 남지 않게 하기 위한 것입니다.



unit : mm

DONG BO Chain No.	Compatible Flow No.	Pitch P	Roller Diameter R	Inner Width W	Plate		Attachment		Cleaner		Avg. Breaking Load (kgf)	Approx. Weight (kg/m)
					T	H	Width of Wing 2X	Height S	Width CX	Height CS		
DBC 03075S	# 110	75	15.9	16.1	3.2	22	95	20	105	28	3,000	2.1
DBC 430S	# 150	101.6	20.1	22.6	4.8	25.4	135	22	145	32	5,500	3.4
DBC 450S	# 150	101.6	22.2	27	6.3	28.6	135	25	145	34	8,000	5.0
DBC 08125S	# 200	125	22.2	27	6.3	28.6	185	25	195	34	8,000	5.0
DBC 10125S	# 200	125	29	30	6.3	38.1	185	34	195	47	11,500	6.8
	# 240						225					
DBC 10150S	# 270	150	29	30	6.3	38.1	250	34	255	47	11,500	6.9
	# 320						300					
DBC 6205S	# 270	152.4	34.9	37.1	7.9	44.5	250	40	265	53	19,000	10.5
DBC 12200S	# 350	200	34.9	37.1	7.9	44.5	330	40	345	53	19,000	10.3
DBC 17200S	# 350	200	40.1	51.4	9.5	50.8	330	46	345	58	25,000	14.0
	# 450						430					
DBC 26200S	# 450	200	44.5	57.2	9.5	63.5	430	58	445	68	32,000	21.0

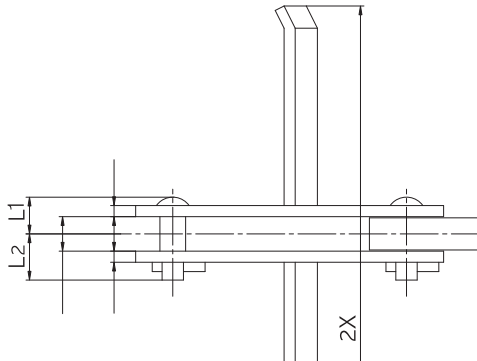


NB type Flow Conveyor Chains

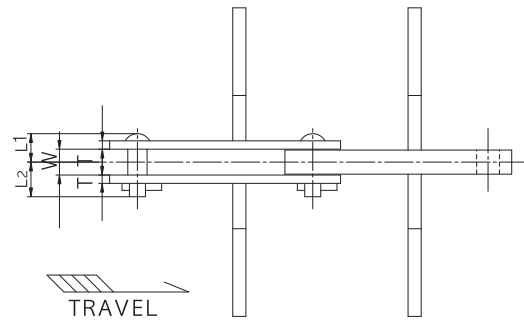
NB형 플로우 컨베이어용 체인



KL-Attachment



W-Attachment



unit : mm

DONG BO Chain No.	Pitch P	Inner width of outer link plate W	Plate			Pin		Avg. Breaking Load kgf	Approx.Weight (kg / m)
			T	H1	H2	L1	L2		
DBC NB30150	150	23.3	7.9	44.5	38.1	23.5	32.0	31,500	7.9
DBC NB30200	200								7.6
DBC NB56200	200	29.5	9.5	63.5	54.0	28.5	39.5	56,500	14.7
DBC NB56250	250								14.5

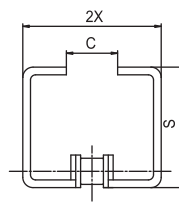
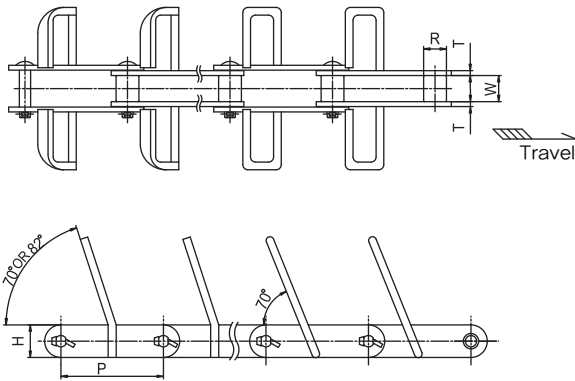
unit : mm

DONG BO Chain No.	Compatible Conveyor* No.	L-Attachment			KL-Attachment			W-Attachment			
		Wing width 2X	S	Add.Weight per Att* (kg/each)	Wing width 2X	S	Add.Weight per Att* (kg/each)	Wing width 2X	S	C	Add.Weight per Att* (kg/each)
DBC NB30150 DBC NB30200	# 150	135	34	0.18	135	34	0.18	135	80	60	0.33
	# 200	185		0.26	185		0.26	185	115	85	0.68
	# 270	250		0.36	250		0.36	250	140	105	1.12
	# 350	330		0.74	330		0.74	330	185	130	2.94
	# 450	430		0.98	430		0.98	430	230	135	5.14
DBC NB56200 DBC NB56250	# 410	390	51	1.3	390	51	1.3	390	233	100	5.0
	# 450	430		1.44	430		1.44	430	230	135	5.2
	# 580	560		1.92	560		1.92	560	290	160	8.6

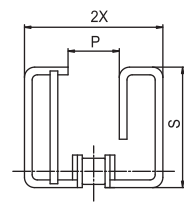
*Compatible conveyor No. =사용컨베이어 형번

Slant, Vertical Flow Conveyor Chain

경사, 수직 플로우 컨베이어 체인



U Attachment

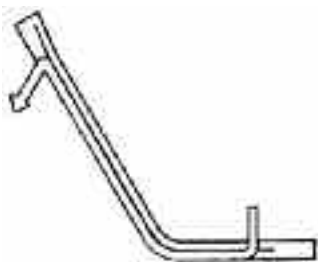


U₂ Attachment (DBC 450W-M)
U₂N Attachment (DBC 10125M and larger)

unit : mm

DONG BO Chain No.	Pitch P	Roller Diameter R	Inner Width W	Plate		Wing Width 2X	Attachment Dimensions					
				T	H		U-Attachment			U ₂ -Attachment		
							S	C	kg/m	S	C	kg/m
DBC 450WM	101.6	25.4	27	6.3	21.8	145	110	50	8.6	110	50	9.6
DBC 10125M	125	31.8	30	6.3	38.1	225	140	65	13.0	140	65	14.8
DBC 6205M	152.4	38.1	37.1	7.9	44.5	300	175	80	19.5	175	80	22.4
DBC 17200M	200	44.5	51.4	9.5	50.8	390	220	100	26.5	220	100	30.3
DBC 26200M 26250N	200	50.8	57.2	9.5	63.5	390	220	100	30.5	220	100	33.9
DBC 36300M 36300N	300	57.2	66.7	12.7	76.2	480	260	120	42.5	260	120	47.0
	300	57.2	66.7	12.7	76.2	580	305	140	47.2	305	140	53.0
						480	260	120	42.5	260	120	47.0
						580	305	140	47.2	305	140	53.0

Application of Attachment 어태치먼트 형식별 용도



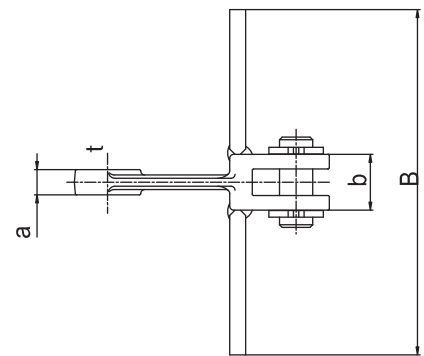
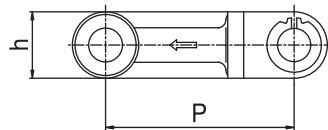
Attachment Type 어태치먼트형식	Application 적 용	Attachment Type 어태치먼트형식	Application 적 용
U환(round)	For conveying general powder items 일반 분체 수송물	U ₂ 환(round)	For conveying items at higher conveyance efficiency than U-round type attachment U환보다도 높은 수송효율로 반송할 경우
U각(angle)	For conveying ingot, granular, or adhesive items 괴상(塊狀), 입상(粒狀) 혹은 부착성이 있는 수송물용	U ₂ 각(angle)	For conveying items at higher conveyance efficiency than U-angle type attachment U각보다도 높은 수송효율로 반송할 경우

Case Conveyor Chain 케이스 컨베이어용 체인

The case conveyor rotates a chain inside a casing with square sections.

The chain has the most logical shape according to the type of the conveyor and the characteristics of conveyed items. There are T and U-types and special UA, UB and UC-types. This chain maintains sufficient strength through our unique heat processing technique, is light, has high density, and is adequate for harsh conditions.

레도라식 컨베이어로 칭하는 케이스 컨베이어에 전용되는 체인입니다. 컨베이어형식, 운반물의 성질 등에 따라 가장 합리적인 형상을 하고 있고 T형, U형 및 특수형인 UA형, UB형, UC형 등의 종류가 있으며, 당사의 특수한 열처리 기술로 충분한 강도를 유지하며, 가볍고, 정밀도가 높은 체인으로, 길이가 길고 가혹한 조건에 최적의 체인입니다.



Forging type 단조형

unit : mm

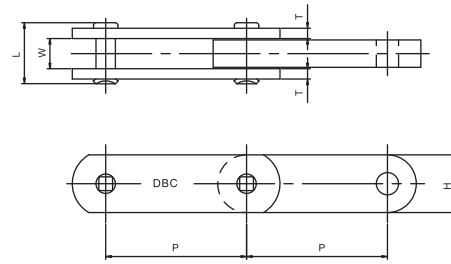
DONG BO Chain No.	Pitch P	Dimensions of Link				Dimensions of Att. □ B	Avg. Breaking Load (kgf)	Max. Allowable Load (kgf)	Weight of Chain (kg/m)
		a	b	h	t				
DBC F05125	120	10	21	26	6	125	5,000	830	3.30
DBC F05150	120	10	21	26	6	150	5,000	830	3.33
DBC F05190	120	10	21	26	6	190	5,000	830	3.40
DBC F309	142	19	42	50	11	270	30,000	3.340	
DBC F40	142	25	56	50	17	450	43,000	5.100	
DBC F363	142	29	62	50	16	480	48,000	6.600	
DBC F10125	150	15	32	34	8	125	10,000	1.670	4.60
DBC F10150	150	15	32	34	8	150	10,000	1.670	4.86
DBC F10190	150	15	32	34	8	190	10,000	1.670	6.05
DBC F10240	150	15	32	34	8	240	10,000	1.670	8.80
DBC F10290	150	15	32	34	8	290	10,000	1.670	8.85
DBC F10340	150	15	32	34	8	340	10,000	1.670	9.84
DBC F15290	150	18	37	40	10	290	20,000	2.500	11.63
DBC F20340	150	20	41	46	11	340	30,000	3.340	15.9
DBC F20410	150	20	41	46	11	410	30,000	3.340	21.2
DBC F30410	200	20	41	46	12	410	40,000	5.000	17.3
DBC F30480	200	20	41	46	12	480	40,000	5.000	19.1
DBC F40480	200	22	45	52	12	480	48,000	6.600	22.4
DBC F40570	200	22	45	52	12	570	48,000	6.600	25.2
DBC F50570	200	26	54	54	14	570	58,000	8.300	27.5

* Att = Attachment

Block Chain

블록 체인

제철소등에서 조잡(粗雜)한 재료나 제품을 운반하는 중하중용의 트랜스퍼 (Transfer) 컨베이어나 라인(Line) 컨베이어등에 사용되고 있습니다. 블록(block)은 핀으로 조립한 것으로서 특히 중하중용의 체인은 블록링크 (Block Link)가 1피치를 구성하고 있기 때문에 링크의 높이가 낮고 안정되어 있어 주행이 원활합니다. 구조상 강도, 내마모성, 내열성이 우수하여 가혹한 환경에 사용되는 컨베이어에 최적의 체인입니다. 일반적으로 도그(Dog)를 취부하여 각종의 수송물을 운반합니다.



unit : mm

용도

1. 인발기용
2. 고온수송물을 적재하여 운반
3. 대차등의 견인

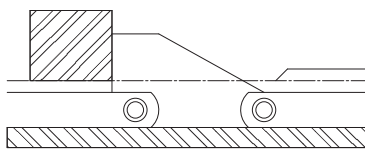


DONG BO Chain No.	Pitch P	Inner width W	Pin L	Plate		Avg. Breaking Load (kgf)	Approx. Weight (kg/m)
				T	H		
DF30150	150						7.0
DF30200	200	23.3	50	7.9	38.1	31,500	6.6
DF40150	150						9.0
DF40200	200	26.5	52	7.9	44.5	40,500	8.5
DF56200	200						12.3
DF56250	250	29.5	60	9.5	54	56,500	12.0
DF63200	200						13.7
DF63250	250	31.5	62	9.5	57	63,000	13.0
DF70200	200						16.2
DF70250	250	33.5	64	9.5	63.5	73,500	15.5
DF90200	200						21.0
DF90250	250	38	70	10.5	72	92,500	20.0
DF115250	250	40	78	12.7	76.2	114,000	25.0
DF115300	300						24.0
DF140250	250						32.0
DF140300	300	47.5	88	14	85	143,000	31.0
DF180300	300						39.0
DF180350	350	52.5	98	16	95	177,500	37.8
DF210300	300						50.0
DF210350	350	59	104	16	110	219,500	48.5
DF250300	300						58.8
DF250350	350	66	118	19	112	248,500	56.7
DF280300	300						66.0
DF280350	350	67	118	19	122	277,500	62.3

Application of Dog 도그 사용예

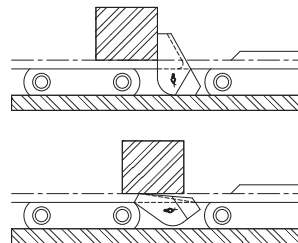
Fixed Dog 고정도그

내측, 혹은 외측링크를 높여 수송물을 미는 형식



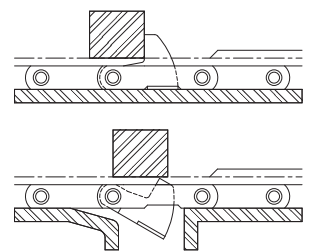
Tilting 틸팅

전방의 수송물은 고정식 도그와 같이 그대로 밀어 진행시키거나 수송물이 뒤에서 올 때 도그가 앞으로 경사져 수송물을 앞으로 통과시킵니다. 수송물이 통과되면 도그는 원상태로 복귀합니다.



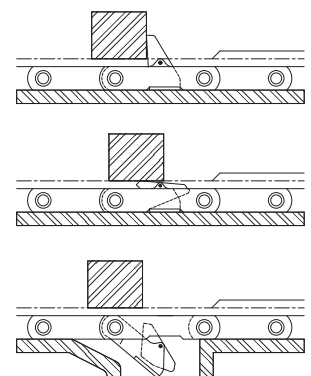
Ducking Dog 더킹도그

도그는 가이드 레일 위를 통하여 수송물을 이송하나 가이드 레일을 통과하면 도그는 수송물을 둔 채 아래로 빠집니다.



Tilting & Ducking Dog 틸팅 & 더킹도그

틸팅도그와 더킹도그의 양기능을 겸한 도그입니다. 가이드레일 위를 지나가는 때에는 수송물을 밀고 다가오는 수송물은 그대로 통과시킵니다. 도그는 수송물을 둔 채 아래로 빠집니다.



Deep Link Chain

딥 링크 체인



The Deep Link Chain has R rollers attached to the general conveyor chain, thereby having a higher plate. Items to be conveyed are placed directly on top of the plate.

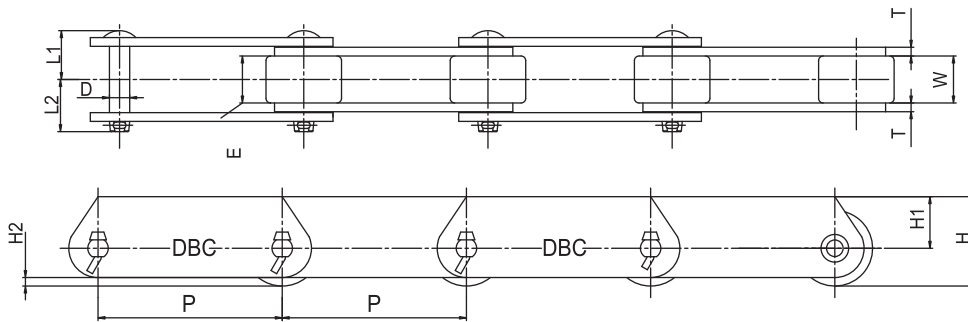
Application

1. Conveyance of hot rolled steel plate and section steel in steel mills
2. Automobile or container assembly lines

딥 링크(Deep Link) 체인은 R로울러를 부착한 일반 컨베이어 체인의 플레이트를 높게 하여 플레이트 상면에 직접 운반물을 적재하는 체인입니다.

용도

1. 제철소의 후판 형강 등의 반송
2. 자동차, 컨테이너의 조립라인 등



unit : mm

DONG BO Chain No.	Pitch P	Roller		Inner Width W	height of Chain H	Plate			Pin			Max. Allowable load of roller (kgf / each)		Avg. breaking Load(kgf)		Approx. Weight (kg/m)	
		R	물림폭 E			Thickness T	Height		D	L1	L2	Standard Series	Heavy Series	Standard Series	Heavy Series		
							H1	H2									
DBC D03075R	75																3.2
DBC D03100R	100	31.8	15.5	16.1	36.9	3.2	21	4.9	7.9	18	20	55	90	3.000	7.100		2.8
DBC D05100R	100																5.9
DBC D05150R	150	40	19	22	44	4.5	24	4	11.1	25	28.5	105	175	7.000	14.500		4.9
DBC D08150R	150	44.5	23	27	50.3	6.3	28	8	11.1	31	34.5	130	215	8.000	14.500		7.0
DBC D10150R	150																9.7
DBC D10200R	200	50.8	27	30	57.4	6.3	32	6.4	14.3	33	36	180	300	11.500	23.000		8.5
DBC D6205R	152.4	57.2	32	37.1	63.5	7.9	35	6	15.9	40.5	43	255	425	19.000	28.500		14.0
DBC D12200R	200																14.9
DBC D12250R	250	65	32	37.1	73.5	7.9	41	10	15.9	40.5	43	225	425	19.000	28.500		13.5
DBC D17250R	250																22.5
DBC D17300R	300	80	44	51.4	90	9.5	50	13.8	19.05	51.5	58	410	680	25.000	39.500		21.5
DBC D26300R	300	85	50	57.2	95.5	9.5	53	10.5	22.2	55.5	61	540	900	32.000	53.000		24.3
DBC D36300R	300																39.0
DBC D36400R	400	100	56	66.7	112	12.7	62	12	25.4	68	78	760	1.260	48.500	69.500		34.2
DBC D52450R	450	110	56	77	125	16	70	17	31.8	82	90	1.000	1.690	51.000	105.000		46.0

PART 5.



Free Flow Chain
프리플로우 체인

Top Roller Chains

톱 로울러 체인



* The Top Roller chain places items on top of continuously running top roller of the chain and they can be freely conveyed regardless of direction or speed. You can choose steel or plastic resin as a roller's material according to applications.

-Advantages of Steel Roller Type: higher max. allowable Load and approval working temperature (-10°C~150°C)

-Advantages of Plastic Resin Roller Type : light weight, less noise

* 톱 로울러체인은 연속적으로 구동하는 체인의 톱 로울러 위에 이송물을 적재하여, 체인의 이송방향 및 속도와는 무관하게 이송물을 반송할 수 있으며, 용도에 따라 로울러의 재질(스틸 또는 플라스틱)을 선택 할 수 있습니다.

- 스틸 톱 로울러 선택 시: 허용하중 및 사용 허용온도 (-10°C ~150°C)가 상향됨

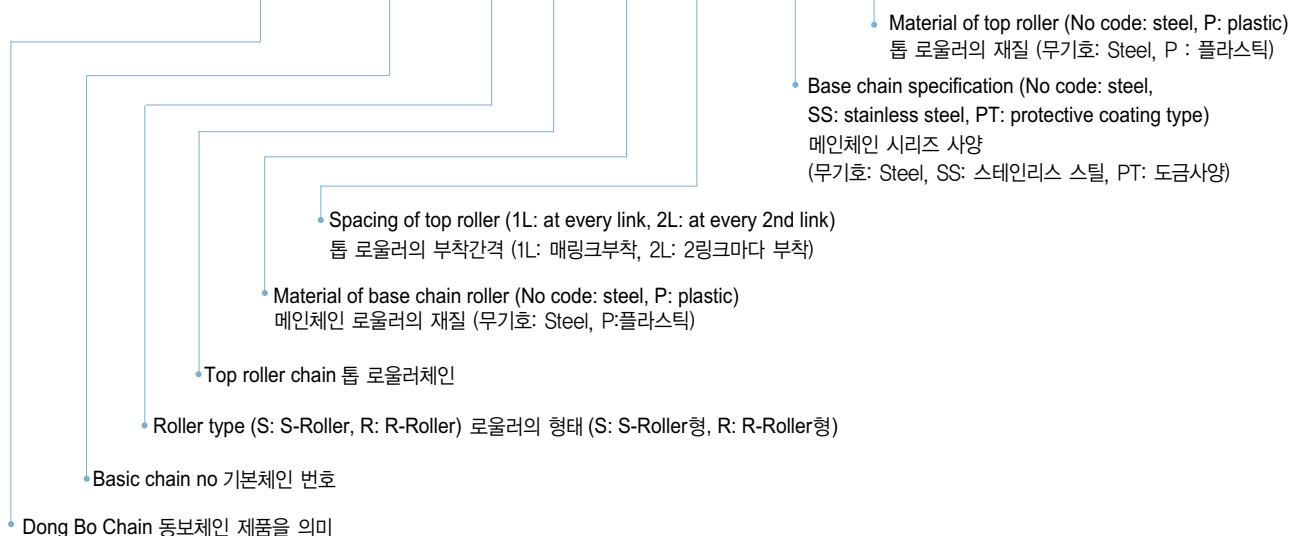
- 플라스틱 톱 로울러 선택 시: 경량, 저소음, 주행 저항의 감소로 체인에 대한 장력이 감소되는 장점이 있으나 사용 허용온도 (-10°C ~60°C)가 낮아지는 단점이 있습니다.

Standardized Specification of Top Roller 표준화된 톱 로울러 체인의 종류

Type of Chain 구분	Roller Material of Basic Chain 기본체인의 로울러 재질	Top Roller Material 톱 로울러의 재질	Variations of Base Chain 선택가능한 기본체인 시리즈
Single Pitch Type 표준형 (싱글 피치타입)	Steel	Steel	Stainless Steel, Nickel-plated, Zinc galvanizing, Chromium plating series
Double Pitch Type 더블피치형	S-Roller S-로울러형	Steel & Plastic	스테인리스 체인, 니켈, 아연, 크롬 도금타입
	R-Roller R-로울러형	Steel & Plastic	

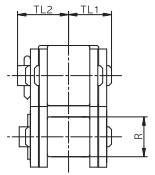
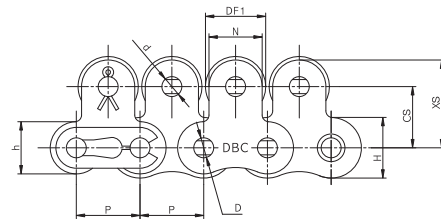
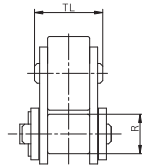
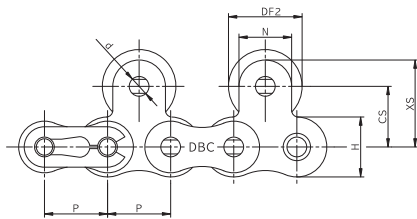
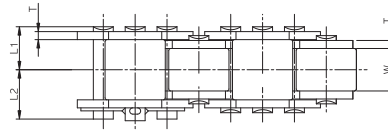
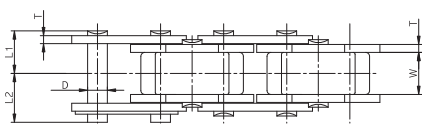
Designation of Top Roller Chain 호칭 번호 부여의 예

DBC 2040 S-TR-P-2L-SS-P



Single Pitch Top Roller Chain 표준형 톱 로울러 체인

Single strand 단열



2L Type (at every 2nd Link spacing)
2L형 (2링크마다 부착형)

EL Type (at every link spacing)
EL형 (매 링크마다 부착)

unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia R	Plate		Pin			Approx Weight (kg/m)			
				T	H	D	L1	L2	Steel Roller Series		Plastic Top Roller Series	
									EL	2L	EL	2L
DBC 40 TR	12.70	7.95	7.94	1.5	12.0	3.97	8.25	9.95	1.83	1.41	0.92	0.85
DBC 50 TR	15.875	9.53	10.16	2.0	15.0	5.09	10.30	12.00	2.39	2.18	1.56	1.38
DBC 60 TR	19.05	12.70	11.91	2.4	18.1	5.96	12.85	14.75	3.60	3.18	2.30	2.03
DBC 80 TR	25.40	15.88	15.88	3.2	24.1	7.93	16.25	19.25	6.09	5.27	3.90	3.44
DBC 100 TR	31.75	19.05	19.05	4.0	30.1	9.54	19.75	22.85	9.30	8.85	6.06	5.41

unit : mm

DONG BO Chain No.	Attachment Dimensions								
	DF1	DF2	CS	N	XS	TL	TL1	TL2	d
DBC 40 TR	11.0	15.88	12.7	9.5	17.45	13.2	8.25	9.65	3.97
DBC 50 TR	15.0	19.05	15.9	12.7	22.25	16.2	10.30	11.90	5.09
DBC 60 TR	18.0	22.23	18.3	15.9	26.25	20.6	12.85	15.25	5.96
DBC 80 TR	24.0	28.58	24.6	19.1	34.15	25.7	16.25	19.25	7.93
DBC 100 TR	30.0	39.69	31.8	25.4	44.50	31.0	19.75	22.85	9.54

- * 'Spring clip type connecting link' is applied for DBC 40~60TR and 'cotter Type' for 80TR and larger
- * DBC 40~60TR체인에는 스프링클립형 연결구가 80번 이상에는 코터핀형 연결구가 표준으로 제공됩니다.

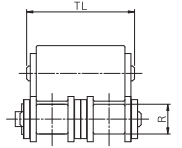
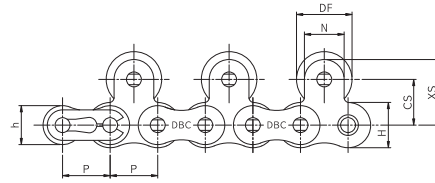
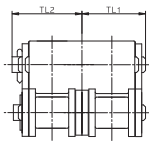
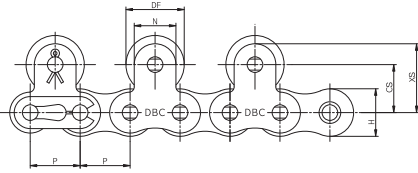
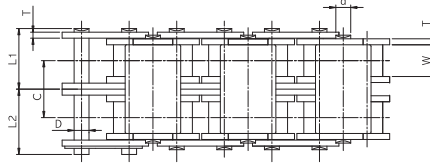
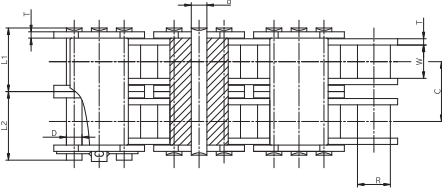


Top Roller Chains

톱 로울러 체인

Single Pitch Top Roller Chains 표준형 톱 로울러 체인

Double strand 2열



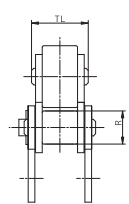
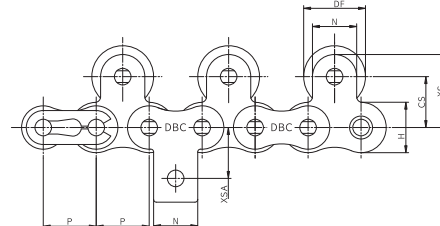
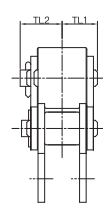
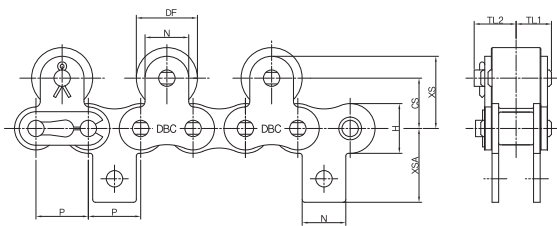
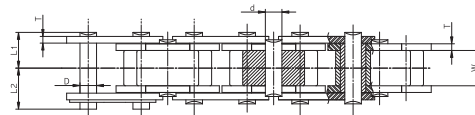
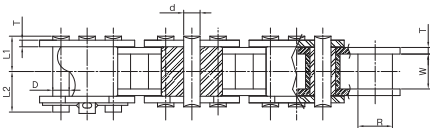
Outer Link Top Roller Installation
외판링크 톱 로울러 부착시

Inner Link Top Roller Installation
내판링크 톱 로울러 부착시

unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia R	Transverse Pitch C	Plate		Pin		Attachment Dimensions								
					T	H	D	L1	L2	DF	CS	XS	N	TL	TL1	TL2	d
DBC 40-2 TR	12.70	7.95	7.94	14.4	1.5	12.0	3.97	15.45	17.15	15.88	12.7	17.45	9.5	28.3	15.45	16.95	3.97
DBC 50-2 TR	15.875	9.53	10.16	18.1	2.0	15.0	5.09	19.35	21.15	19.05	15.9	22.25	12.7	34.3	19.35	21.15	5.09
DBC 60-2 TR	19.05	12.70	11.91	22.8	2.4	18.1	5.96	24.25	26.25	22.23	18.3	26.25	15.9	43.4	24.25	26.75	5.96
DBC 80-2 TR	25.40	15.88	15.88	29.3	3.2	24.1	7.93	30.9	33.9	28.58	24.6	34.15	19.1	55.0	30.9	33.9	7.93
DBC100-2 TR	31.75	19.05	19.05	35.8	4.0	30.1	9.54	37.7	40.8	39.69	31.8	44.50	25.4	66.9	37.7	40.8	9.54

Derailing Prevention Type 이탈방지(離脫防止)형



Outer Link Top Roller Installation
외판링크 톱 로울러 부착시

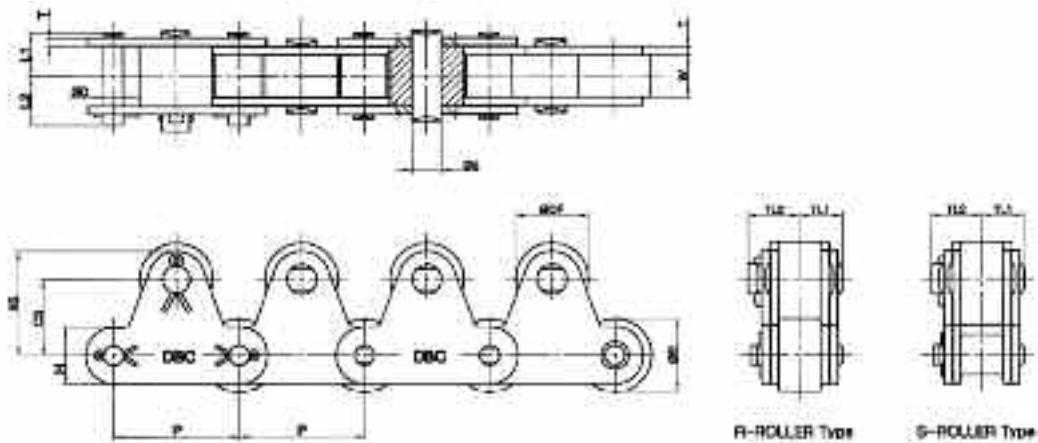
Inner Link Top Roller Installation
내판링크 톱 로울러 부착시

unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia R	Plate		Pin		Attachment Dimensions									
				T	H	D	L1	L2	DF	CS	N	XS	TL1	TL2	TL	d	XSA
DBC 40 TR-TG	12.70	7.95	7.94	1.5	12.0	3.97	8.25	9.95	15.88	12.7	9.5	17.45	8.25	9.65	13.2	3.97	17.4
DBC 50 TR-TG	15.875	9.53	10.16	2.0	15.0	5.09	10.3	12.0	19.05	15.9	12.7	22.25	10.3	11.9	16.2	5.09	23.05
DBC 60 TR-TG	19.05	12.70	11.91	2.4	18.1	5.96	12.85	14.75	22.23	18.3	15.9	26.25	12.85	15.25	20.6	5.96	26.85
DBC 80 TR-TG	25.40	15.88	15.88	3.2	24.1	7.93	16.25	19.25	28.58	24.6	19.1	34.15	16.25	19.25	25.7	7.93	35.45
DBC100 TR-TG	31.75	19.05	19.05	4.0	30.1	9.54	19.75	22.85	39.69	31.8	25.4	44.50	19.75	22.85	31.0	9.54	44.0

Double Pitch Top Roller Chain 더블피치형 톱 로울러체인

Single strand 단열



unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia		Plate		Pin			Approx Weigth (kg/m)				
			S-Roller Type	R-Roller Type	T	H	D	L1	L1	Steel Top Roller Series		Plastic Top Roller Series		Plastic R Roller
										S-Roller Type	R-Roller Type	S-Roller Type	R-Roller Type	
DBC 2040 TR	25.40	7.95	7.94	15.88	1.5	12.0	3.97	8.25	9.95	1.40	1.7	0.9	1.3	0.9
DBC 2050 TR	31.75	9.53	10.16	19.05	2.0	15.0	5.09	10.3	12.0	2.10	2.5	1.5	1.90	1.4
DBC 2060 TR	38.10	12.70	11.91	22.23	3.2	18.1	5.96	14.55	16.55	3.7	4.4	2.8	3.5	2.8
DBC 2080 TR	50.80	15.88	15.88	28.58	4.0	24.1	7.93	18.3	20.9	5.7	6.8	4.3	5.40	4.5
DBC 2100 TR	63.50	19.05	19.05	39.69	4.8	30.1	9.54	21.8	24.5	9.2	11.4	6.5	8.8	6.6

unit : mm

DONG BO Chain No.	Attachment Dimensions					
	DF	CS	XS	TL1	TL2	d
DBC 2040 TR	15.88	15.0	21.0	8.45	10.05	3.97
DBC 2050 TR	19.05	19.0	26.5	10.5	12.9	5.95
DBC 2060 TR	22.23	23.0	31.6	14.75	17.75	7.94
DBC 2080 TR	28.58	29.0	40.5	18.5	21.3	11.1
DBC 2100 TR	39.69	35.4	49.7	22.1	27.2	11.1



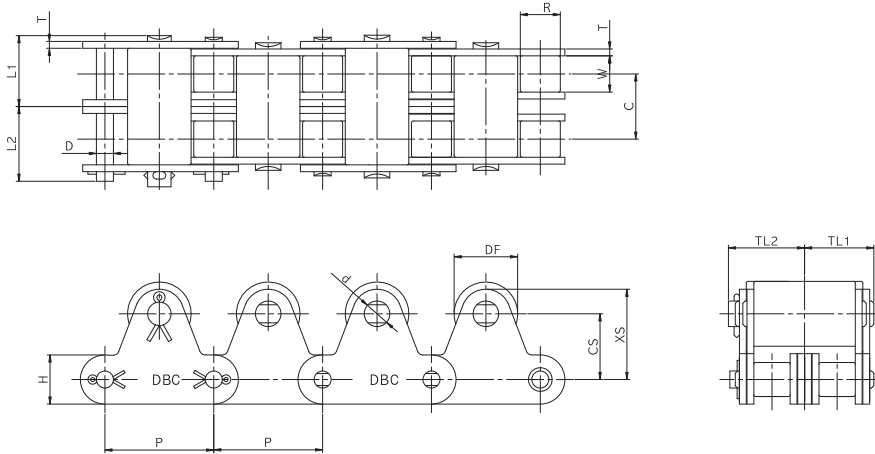


Top Roller Chains

톱 로울러 체인

Top Roller Chain - Double Pitch Type 더블피치형 톱 로울러체인

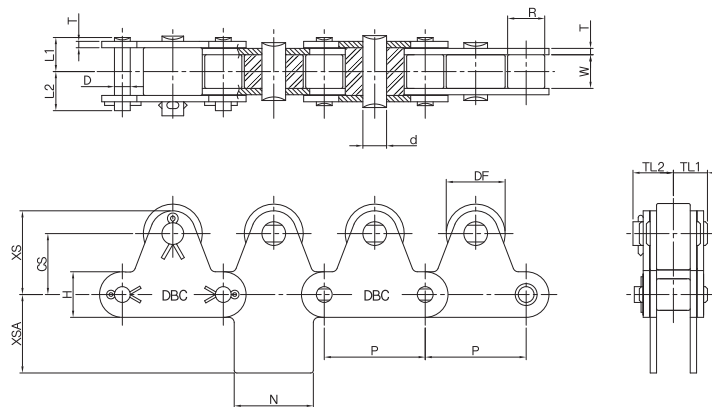
Double strand 2열



unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Transverse Pitch C	Roller Dia		Plate		Pin			Attachment Dimensions					
				S-Roller Type	R-Roller Type	T	H	D	L1	L2	DF	CS	XS	TL1	TL2	d
DBC 2040-2 TR	25.40	7.95	14.4	7.94	15.88	1.5	12.0	3.97	8.25	9.95	15.88	15.0	21.0	15.65	17.25	3.97
DBC 2050-2 TR	31.75	9.53	18.1	10.16	19.05	2.0	15.0	5.09	10.3	12.0	19.05	19.0	26.5	19.55	21.95	5.95
DBC 2060-2 TR	38.10	12.70	26.2	11.91	22.23	3.2	18.1	5.96	14.55	16.55	22.23	23.0	31.6	27.85	30.85	7.94
DBC 2080-2 TR	50.80	15.88	32.6	15.88	28.58	4.0	24.1	7.93	18.3	20.9	28.58	29.0	40.5	34.8	37.5	11.1
DBC 2100-2 TR	63.50	19.05	39.1	19.05	39.69	4.8	30.1	9.54	21.8	24.5	39.69	35.4	49.7	41.65	46.75	11.1

Derailing Prevention Type 이탈방지(離脫防止)형

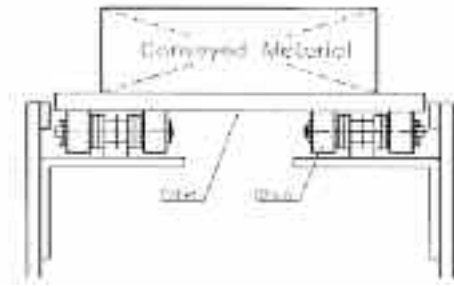


unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia		Plate		Pin			Attachment Dimensions								
			S-Roller Type	R-Roller Type	T	H	D	L1	L2	DF	CS	XS	TL1	TL2	TL	d	N	XSA
DBC 2040-2 TR	25.40	7.95	7.94	15.88	1.5	12.0	3.97	8.25	9.95	15.88	15.0	21.0	8.45	10.05	13.6	3.97	19.1	12.7
DBC 2050-2 TR	31.75	9.53	10.16	19.05	2.0	15.0	5.09	10.3	12.0	19.05	19.0	26.5	10.5	12.9	16.6	5.95	23.8	15.9
DBC 2060-2 TR	38.10	12.70	11.91	22.23	3.2	18.1	5.96	14.55	16.55	22.23	23.0	31.6	14.75	17.75	22.6	7.94	28.6	19.1
DBC 2080-2 TR	50.80	15.88	15.88	28.58	4.0	24.1	7.93	18.3	20.9	28.58	29.0	40.5	18.15	21.25	27.8	11.1	38.1	25.4
DBC 2100-2 TR	63.50	19.05	19.05	39.69	4.8	30.1	9.54	21.8	24.5	39.69	35.4	49.7	22.1	27.2	34.1	11.1	47.6	31.8

Side Roller Chains

사이드 로울러 체인



Dong Bo chain manufactures wide range of side roller chains for every application: Hardened steel rollers for automotive application and resin rollers for quite operation in electronics industry

연속 주행하는 체인위에서 운반물 이송 및 저장 기능을 동시에 수행하며, 경량의 이송물을 안정감 있게 운반할 수 있는 구조의 컨베이어 라인에 적합한 체인입니다.

세부사항

- 기본 체인의 형식에 따라 크게 싱글 또는 더블 피치 타입으로 구분되며, 로울러의 재질에 따라 스틸 사이드 로울러와 플라스틱 사이드 로울러 체인으로 세분화 되어 집니다.
- 레일에서의 체인 이탈 방지를 위한 가이드 플레이트 형도 공급됩니다.

Side Roller Chain Series 표준화된 사이드 로울러 체인의 종류

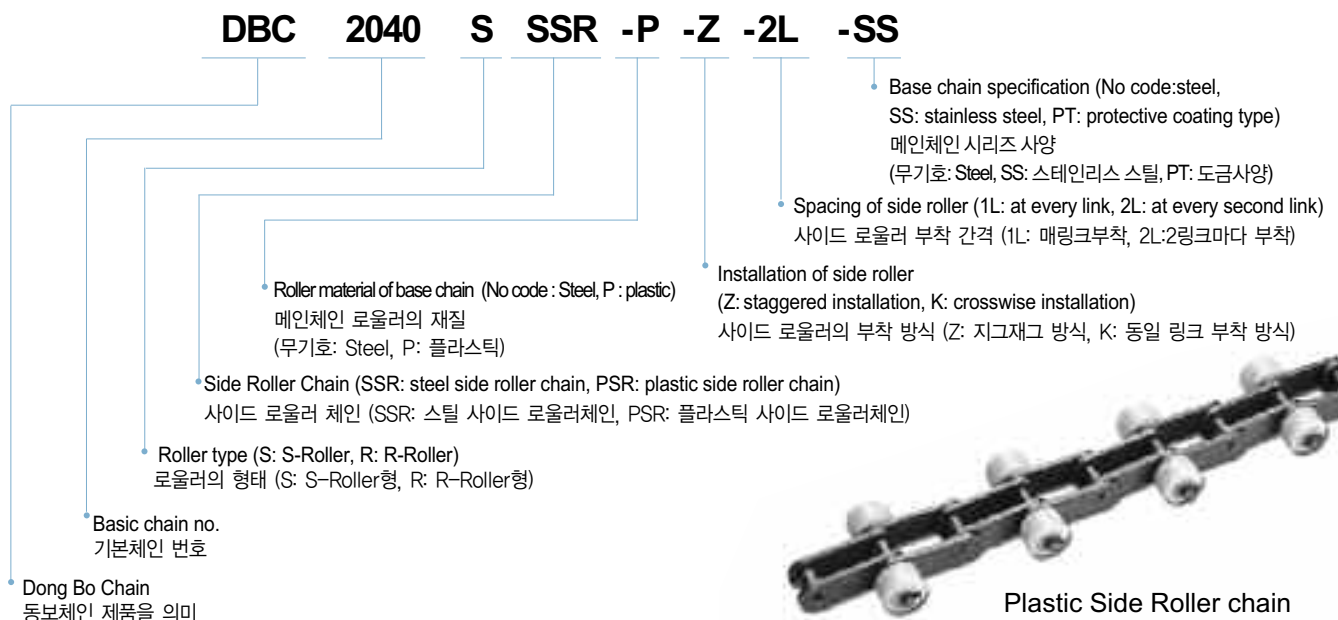
Type of Chain		Roller Material of Basic Chain	Top Roller Material	Variations of Base Chain
Single Pitch Type		S* & SS*	S, SS & P*	Stainless Steel, Nickel-plated, Zinc galvanizing, Chromium plating series
Double Pitch Type	S - Roller	S & SS	S, SS & P	
	R - Roller	P	P	

*S=steel, SS=Stainless Steel, P=Plastic

사용상의 장점

- Advantages of Steel Roller Type: higher max. allowable load and approval working temperature (-10°C~150°C)
- Advantages of Plastic Resin Roller Type: light weight, less noise
- 스틸 로울러 선택 시: 허용하중 및 사용 허용온도 (-10°C~150°C)가 상향됨
- 플라스틱 로울러 선택 시: 경량, 저소음, 주행 저항의 감소로 체인에 대한 장력이 감소되는 장점이 있으나, 사용 허용온도 (-10°C~60°C)가 낮아지는 단점이 있습니다.

Designation of Side Roller Chain 호칭 번호 부여의 예



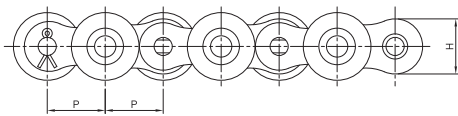
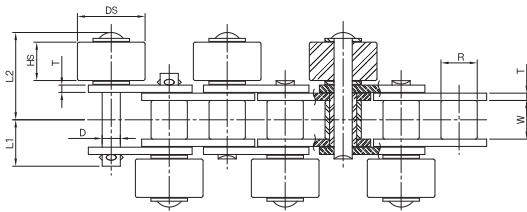
Side Roller Chains

사이드 로울러 체인

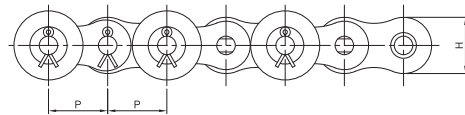
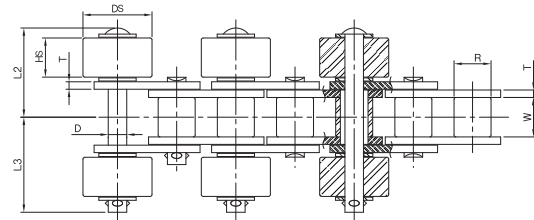
Single Pitch Type 표준형



Z - Type



K - Type



unit : mm

DONG BO Chain No.		Pitch	Inner Width	Roller Dia	Plate		Pin			Side Roller		Approx.Weight(kg/m)		
Basic Chain No	Type of side roller	P	W	R	T	H	D	L1	L2	L3	DS	HS	PSR	SSR
DBC 40	PSR*	12.70	7.95	7.92	1.5	12.0	3.97	9.65	19.75	19.75	15.88	7.8	0.95	1.7
	SSR*													
DBC 50	PSR	15.875	9.53	10.16	2.0	15.0	5.09	11.9	21.9	23.8	19.05	9.4	1.5	2.5
	SSR													
DBC 60	PSR	19.05	12.70	11.91	2.4	18.1	5.96	15.25	28.75	31.25	22.23	12.6	2.2	3.7
	SSR													
DBC 80	PSR	25.40	15.88	15.88	3.2	24.1	7.93	19.25	35.10	39.0	28.58	15.8	3.6	6.0
	SSR													
DBC100	PSR	31.75	19.05	19.05	4.0	30.1	9.54	22.85	42.55	46.35	39.69	19.0	5.6	10.1
	SSR													

*PSR=Plastic side Roller Type, *SSR=Steel side Roller Type

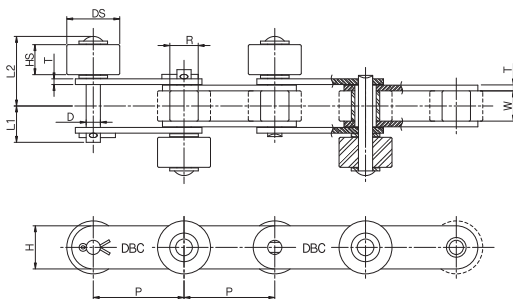
Note) The drawing shows the standard 'S' Roller (roller at main chain) drawn in solid lines and the oversize 'R' Roller in dotted lines

주) 도면에 표기된 메인체인 로울러의 실선은 S-Roller, 점선은 R-Roller의 형태입니다.

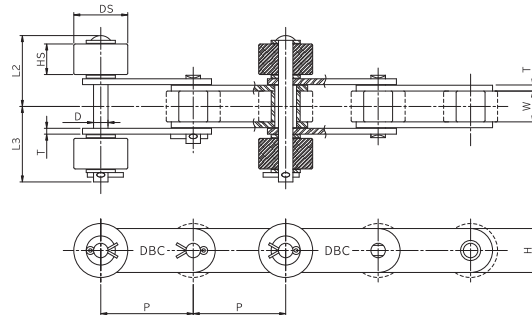
Double Pitch Type 더블피치형



Z - Type



K - Type



unit : mm

DONG BO Chain No.		Pitch	Inner width	Roller Dia		Plate		Pin				Side Roller		Approx Weight		
Basic Chain No	Type of side roller			P	W _{min}	S	R	T	H	D	L1	L2	L3	DS	HS	A*
DBC 2040*	SSR	25.40	7.95	7.92	-	1.5	12.0	3.97	9.65	18.9	18.2	15.88	7.8	0.7	1.1	0.9
DBC 2042*	PSR	25.40	7.95	-	15.88	1.5	12.0	3.97	9.65	18.9	18.2	23	13	0.7	1.1	0.9
DBC 2050	SSR	31.75	9.53	10.16	-	2.0	15.0	5.09	11.9	22.5	23.2	19.05	9.4	1.1	1.6	1.3
DBC 2052	PSR	31.75	9.53	-	19.05	2.0	15.0	5.09	11.9	22.5	23.2	27	13	1.1	1.6	1.3
DBC 2060	SSR	38.10	12.70	11.91	-	3.2	18.1	5.96	16.95	30.9	32.70	22.23	12.6	1.8	2.6	2.0
DBC 2062	PSR	38.10	12.70	-	22.23	3.2	18.1	5.96	16.95	30.9	32.70	30	12.6	1.8	2.6	2.0
DBC 2080	SSR	50.80	15.88	15.88	-	4.0	24.1	7.93	20.95	36.95	42.35	28.58	15.8	3.2	4.3	-
DBC 2082	PSR	50.80	15.88	-	28.58	4.0	24.1	7.93	20.95	36.95	42.35	38.10	15.8	3.2	4.3	-
DBC 2100	SSR	63.50	19.05	19.05	-	4.8	30.1	9.54	24.5	44.20	47.3	39.69	19	4.8	7.0	-
DBC 2102	PSR	63.50	19.05	-	39.69	4.8	30.1	9.54	24.5	44.20	47.3	50.80	19	4.8	7.0	-

* 2040~ = standard 'S'-Roller Type, 2042~ = oversize 'R'-Roller Type

* A = steel roller chain with plastic side roller

* B = steel roller chain with steel side roller

* C = plastic roller chain with plastic side roller

Note) 1. Plastic Side Roller Chain (R-Roller Type) are available in size 2040, 2050 and 2060

2. Weights are listed for Z-type at every link and K-type at every 2nd link.

주) 1. 플라스틱 R-로울러 체인 타입은 2040, 2050, 2060번에 한해 생산됩니다.

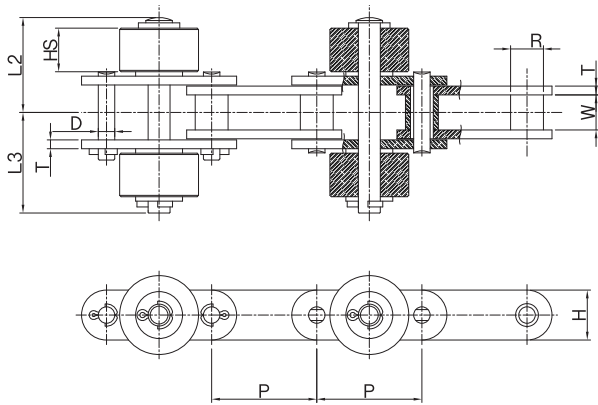
2. 중량은 Z-타입의 경우 사이트 로울러가 매링크 부착형, K-타입의 매 2링크 부착형 기준입니다.



Side Roller Chains

사이드 로울러 체인

G-Hole Installation Type 사이드 로울러 G-홀 부착형



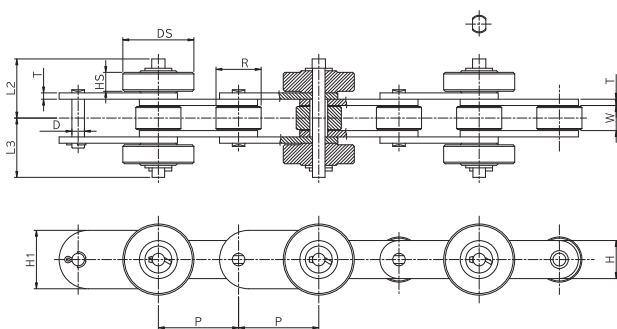
unit : mm

DONG BO Chain No.			Pitch P	Inner Width W	Roller R	Plate		Pin			Side Roller		Approx.Weight (kg/m)	
						T	H	D	L2	L3	DS	HS	PSR*	SSR*
DBC 2040	PSR	-GK	25.4	7.95	7.92	1.5	12	3.97	18.9	18.2	15.88	7.8	0.8	1.3
DBC 2050	PSR	-GK	31.75	9.53	10.16	2	15	5.09	22.5	23.2	19.05	9.4	1.3	1.8
DBC 2060	PSR	-GK	38.10	12.7	11.91	3.2	18.1	5.96	30.9	32.7	22.23	12.6	2	2.8
DBC 2080	PSR	-GK	50.8	15.88	15.88	4	24.1	7.93	38.1	39.7	28.58	15.8	3.5	4.7

※PSR=Plastic Side Roller / SSR=Steel Side Roller

Guide Plate Type for Derailing Prevention

이탈 방지형 가이드 플레이트 타입



unit : mm

DONG BO Chain No.			Pitch P	Inner Width W	Roller Dia R	Plate			Pin			Side Roller		Approx.Weight (kg/m)
					T	H	H1	D	L2	L3	DS	HS		
DBC 2082 SSR-TG			50.8	15.88	28.58	4	24.1	34	7.94	36.95	36.95	38.1	12.0	6.1
								37				45.0		
DBC 2102 SSR-TG			63.5	19.05	39.69	4.5	30.1	48	9.54	38.7	41.8	57.2	12.0	10.6
												60.0		

Note) When ordering, please indicate installation method (inner or outer plate installation) and spacing of guide plate.

주) Guide Plate의 부착방법 (내판 또는 외판 부착) 및 간격은 주문시 별도 지정이 가능합니다.

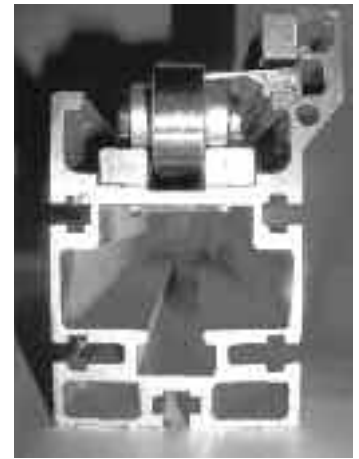
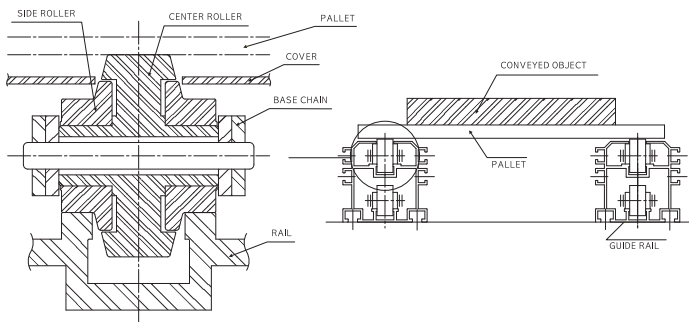
Double Plus Chains

배속 체인

Double Plus Chain (also called Triple Speed chains) are used typically on accumulating assembly line conveyors. This chain's two rollers rotate identically according to the frictional force between the large and small rollers. Items are conveyed about 2.5 times faster than the speed of the chain (the chain speed according to the ratio of the roller's outer diameter) In addition, when braking forces are applied, slip occurs between the large and small rollers, making the chain to be conveyed freely. Double Plus Chain are available with 'snap covers' to keep particles out, in resin rollers and with protective coatings (nickel, chromium plating).

배속체인은 큰 로울러와 작은 로울러간의 마찰력에 따라 두 로울러가 동일하게 회전되며, 로울러 외경의 비율에 따라 반송물은 체인 속도의 2.5배로 이송됩니다. 또한 반송물에 제동력이 작용되면 큰 로울러와 작은 로울러 사이에 미끄럼이 발생되면서 체인은 자유롭게 이동합니다.

Construction of Double Plus Chain 배속체인구조



Advantages of Double Plus Chain 사용상의 장점

- High speed conveying
- Quite
- Improved stability
- Quick start up : through standardized guide rails and sprockets

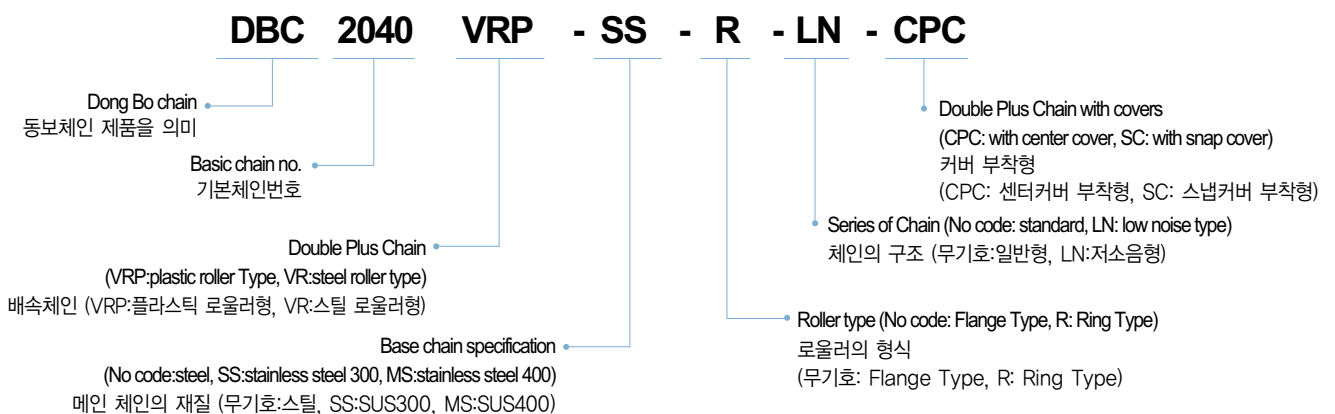
- 고속반송, 저소음
- 향상된 안정성
- 설계 및 제작이 용이: 전용 알루미늄 레일 및 스프라켓 등이 표준화 되어 컨베이어 설계 및 제작이 용이 합니다.

Variations 세부사항

- Standard Type - 표준형
- Low Noise Type (LN Type) - 저소음형 (LN 타입)
- Double Plus Chain with Snap Cover - 스냅 커버 부착형
- Double Plus Chain with Center Cover - 센터 커버 부착형
- Lube-Free Type (Nos-Type) - 무급유형 타입



Designation of Double Plus Chain 호칭 번호 부여의 예시



Double plus Chains

배속 체인

* For<Lube-Free Type>, please Consult directly Dongbo chain.

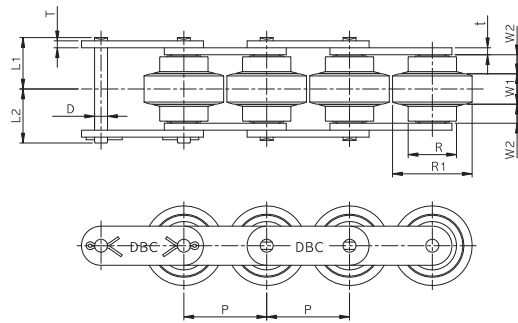
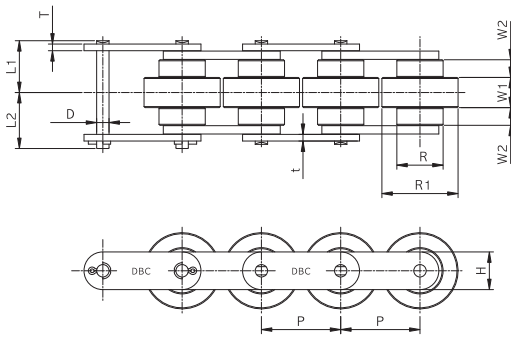
* 무급유형 배속체인은 사용자 요청에 의한 별도주문 제작사양 입니다.

Standard Double plus Chain 표준형 배속체인

Ring Type



Flange Type



unit : mm

DONG BO Chain No.	Pitch P	Roller		Width		Plate			Pin			Approx.Weight (kg/m)		Link / unit SSR*	
		R	R1	W1	W2	t	T	H	D	L1	L2	VRP	VR		
DBC 2030VRP	-	19.05	11.91	18.3	7.8	4.1	1.27	1.27	9	3.3	11.4	13	0.6	-	160
DBC 2040VRP*	2040VR*	25.4	15.88	24.6	10.3	5.7	2.0	1.5	12.0	3.97	15.65	17.85	1.0	2.5	150
DBC 2050VRP	2050VR	31.75	19.05	30.6	13.0	7.1	2.4	2.0	15.0	5.08	19.5	21.0	1.4	3.7	120
DBC 2060VRP	2060VR	38.1	22.23	36.6	14.5	8.5	4.0	3.2	18.1	5.96	24.9	26.9	2.3	5.9	100
DBC 2080VRP	2080VR	50.8	28.58	48.0	20.0	15.0	4.0	4.0	24.1	7.93	35.8	36.9	4.2	10.5	74

* VRP = Double plus chain with plastic roller VR= Double plus chain with steel roller

주) 2040, 2050 배속체인은 Ring Type으로 2060이상은 Flange Type으로 제작 됩니다.

Note) Ring Type roller will be provided for 2040 & 2050 VRP/VR and Flange Type for 2060 and larger.

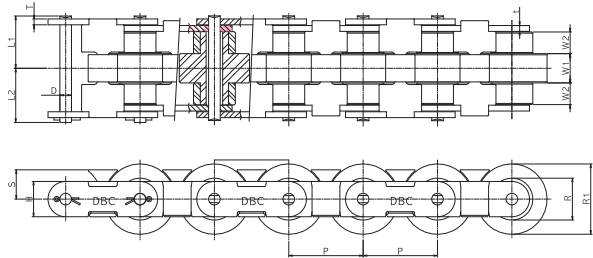
* Nos VRor VRP = Lube-Free Type double plus chain

Lube-Free Type 체인은 Nos 2040 VRP 또는 VR로 표기 됩니다.

Double plus Chain with Snap Cover 스프링 커버 부착형 배속체인

This chain is specially designed for preventing jamming caused by parts (like nuts and bolts etc.) falling into the conveyor lines.

체인사이 연결부위에 커버를 부착하여 이물질 유입 (너트, 볼트 등 작은 부품)을 사전에 방지하여 컨베이어라인 손상을 미연에 방지



* 스프링 커버 부착형 배속체인 스프라켓 적용 시 당사 기술팀과 협의

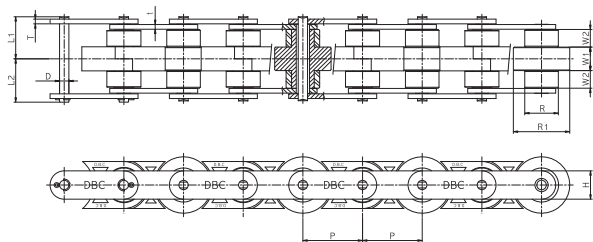
* Considering application of sprocket for snap cover type of double plus chain, it's required to discuss our engineers.

unit : mm

DONG BO Chain No.	Pitch P	Roller		Width		Plate			Pin			Approx.Weight (kg/m)		Link / unit
		R	R1	W1	W2	t	T	H	D	L1	L2	VRP	VR	
DBC 2060 VRP-SC* DBC 2060 VR-SC*	38.1	22.23	36.6	14.5	8.5	4.0	3.2	18.1	5.96	24.9	26.9	2.3	5.9	100
DBC 2080 VRP-SC DBC 2080 VR-SC	50.8	28.58	48.0	20.0	15.0	4.0	4.0	24.1	7.93	35.8	36.9	4.2	10.5	74

*VRP = Double plus chain with plastic roller, VR = Double plus chain with steel roller

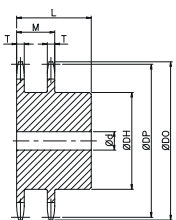
Double plus Chain with Center Cover 센터 커버 부착형 배속체인



unit : mm

DONG BO Chain No.	Pitch P	Roller		Width		Plate			Pin			Approx.Weight (kg/m)	Link / unit
		R	R1	W1	W2	t	T	H	D	L1	L2		
DBC 2060 VR-CPC	38.1	22.23	36.6	15.5	8.5	3.2	3.2	18.1	5.96	24.9	26.9	5.0	100
DBC 2080 VR-CPC	50.8	28.58	48.0	20.0	15.0	4.0	4.0	24.1	7.93	35.8	36.9	9.2	74

스냅카바 배속체인 스프라켓 선정 치수표



스프라켓 형식 번호	산출 치수	피치원지름 (Dp)	외경 (Do)	잇폭 (T)	전치수폭 (M)	홈 지름(d)		최대보수 지름(DH)	최대보수 길이(L)	개략중량 (Kg)
						탭드릴구멍	최대			
2030 VRP-10T-SC	10	61.65	63	3.0	15.3	12.7	20.0	37.0	25.0	0.2
2040 VRP-10T-SC	10	82.20	85	4.0	20.4	15.9	32.0	52.0	40.0	0.8
2050 VRP-10T-SC	10	102.75	107	5.0	25.5	15.9	45.0	66.0	45.0	1.5
2060 VRP-10T-SC	10	123.30	128	6.0	30.5	19.0	55.0	81.0	50.5	2.5
2080 VRP-10T-SC	10	164.39	172	12.0	47.5	23.0	72.0	110.0	67.0	7.0

Center Roller Chain

센터 로울러 체인



The Chain speed is same as conveyed objects but it can convey objects with more stability, because it has lower center of gravity than Top Roller Chain's.

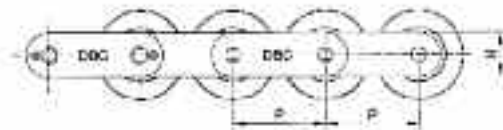
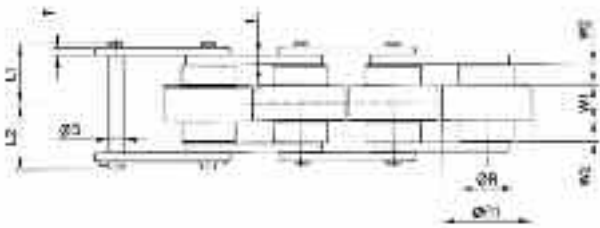
Advantages of Center Roller Chain

- Quite
- Best stability
- Wide selection

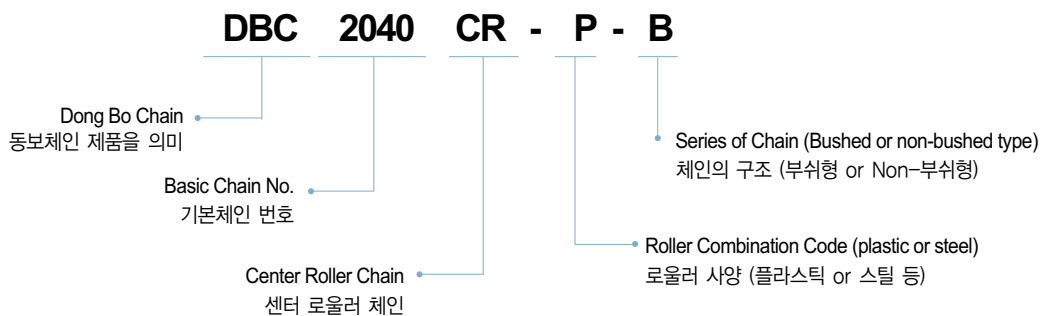
체인의 속도와 이송물의 속도가 1:1인 등속이나 톱 로울러 체인에 비해 무게 중심이 낮아 이송물을 안정적으로 수송할 수 있습니다.

사용상의 장점

- 저소음
- 향상된 안정성
- 용도에 따른 다양한 변형



Example of Type Indication 호칭 번호 부여의 예



unit : mm

DONG BO Chain No.	Pitch P	Roller		Width		Plate			Pin			Approx.Weight (kg/m)				Link / unit
		R	R1	W1	W2	t	T	H	D	L1	L2	Standard	P*	PC*	PS*	
DBC 2040 CR	25.4	15.88	24.6	10.3	5.7	2.0	1.5	12.0	3.97	15.56	17.85	2.5	0.7	1.3	1.9	150
DBC 2050 CR	31.75	19.05	30.6	13.0	7.1	2.4	2.0	15.0	5.08	19.5	21.0	3.7	0.9	1.8	2.9	120
DBC 2060 CR	38.1	22.23	36.6	15.5	8.5	3.2	3.2	18.1	5.96	24.9	26.9	5.9	2.9	3.3	4.7	100
DBC 2080 CR	50.8	28.58	48.0	20.0	15.0	4.0	4.0	24.1	7.93	35.8	36.9	10.5	3.2	2.7	8.0	74

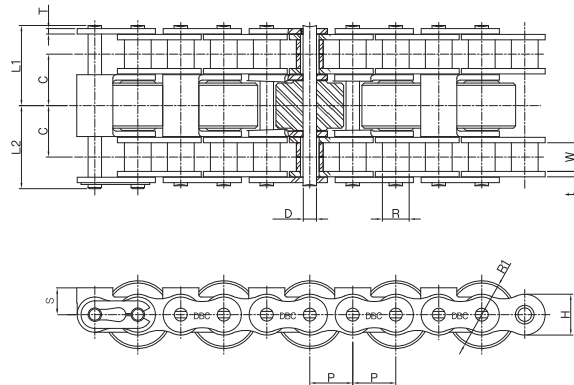
*Standard : All parts are made of steel
 *P : Plastic center & side roller type
 *PC : Plastic center roller type
 *PS : Plastic side roller type

*Standard : 전 부품 스틸 재질 사용
 *P : 플라스틱 센터 & 사이드 로울러 형
 *PC : 플라스틱 센터 로울러 형
 *PS : 플라스틱 사이드 로울러 형

Center Roller Chain with Cover

커버 부착형 센터 로울러 체인

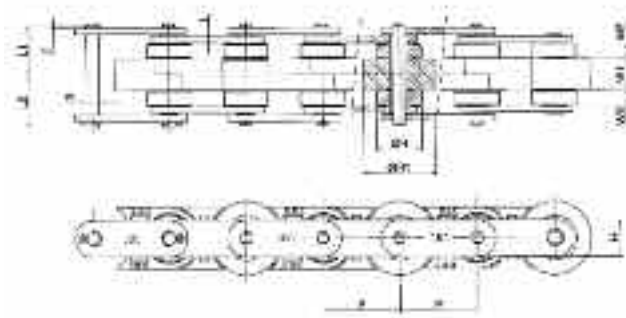
CRC Type



unit : mm

DONG BO Chain No.	Pitch	Roller		Width		Plate			Pin			C	S	Approx. Weight (kg/m)	Link / unit
	P	R	R1	W1	W2	t	T	H	D	L1	L2				
DBC 60-2 CRC	19.05	11.91	30.0	22.6		2.4	2.4	18.1	5.96	35.5	37.8	22.8	11.9	4.5	160

CR-CPC Type



unit : mm

DONG BO Chain No.	Pitch	Roller		Width		Plate			Pin			Approx. Weight (kg/m)	Link / unit
	P	R	R1	W1	W2	t	T	H	D	L1	L2		
DBC 2060 CR-CPC	38.1	22.23	36.6	15.5	8.5	3.2	3.2	18.1	5.96	24.9	26.9	5	100
DBC 2080 CR-CPC	50.8	28.58	48.0	20.0	15	4	4	24.1	7.93	35.8	36.9	9.2	74



PART 6.



Specialty Chain
특수 체인

NOS Chains (DBC Lube-Free Chain) NOS 체인 (무급유 체인)



Dong Bo's lube-free chain NOS combines a special oil-impregnated sintered Bushing and coated pin for long-term internal lubrication.

The advantages of the Dong Bo Lube-Free chain [NOS]

- Up to 40 times longer service life in comparison with standard roller chains without lubrication in low operating speed 30m/min and up to 10 times longer service life in normal speed 90m/min.
- No further lubrication required
- Clean application, no soiling of machinery and transported goods
- Fit for standard sprocket
- The same breaking load at Dong Bo standard Roller chain's.

동보 무급유체인은 오일을 함유한 특수 부쉬 (Bush)를 장착하여 추가적인 급유없이 수명연장을가능하게 하는 체인으로, 사용 특성상 급유를 할 수 없거나, 제한적인 급유만이 가능할 때 선택 가능한 최적의 체인입니다. 또한 자체 윤활 기능으로 인해 체인의 수명이 현저하게 상향 되었습니다.

- 저속(30M/min)사용시 - 일반 표준형체인의 40배, 일반 속도 (90M/min)내 사용시 최소 10배의 사용수명의 연장이 가능합니다.
- 추가 급유가 없으므로, 오일로 인한 오염이 미연에 방지되어 청결 사용 및 저소음 사용이 가능하며표면의 특수 코팅처리로 인해 부식(녹)방지 처리가 되어있습니다
- 표준형 로울러 체인의 치수및 파단강도를 지니도록 제작되어 기존의 스프라켓과 호환 되어 별도의 설비변경 없이 장착이 가능합니다.

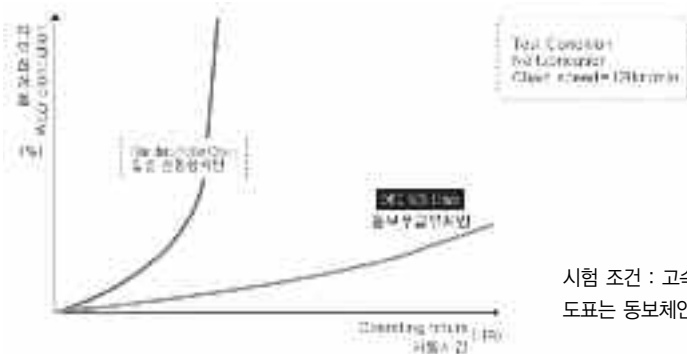
←Application→

- Food industry
 - Electrical industry
 - Production of printed circuit boards (PCBs)
 - Packaging industry
 - Paper processing
 - Printing industry
 - Bookbinding industry
 - Textile industry
 - Automobile industry
- All systems where re-lubrication is either difficult or not possible at all

〈주 사용처〉

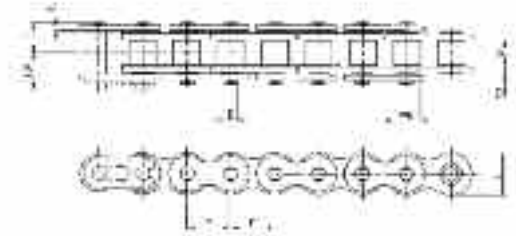
- 전자, 전기, 자동차 산업
- 의약품 제조라인
- 식품 가공 및 포장산업
- 인쇄분야
- 섬유산업
- 제지 및 출판 산업
- 목재 가공, 유리 및 도기 산업
- 이외 체인급유가 제한적으로만 허용되거나, 불가능한 모든 컨베이어 라인

[동보 무급유 체인의 사용 시험결과]



시험 조건 : 고속 120MMN, 무급유상태
도표는 동보체인의 시험 테스트 결과를 기준으로 작성되었습니다.

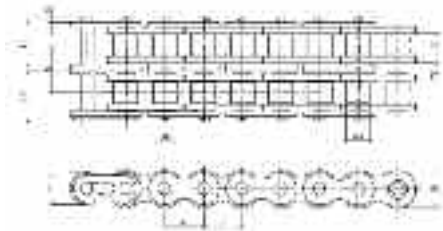
Single strand 1열



unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia R	Plate				Pin			Average Breaking Load kgf	Min. Ultimate Strength kgf	Max. Allowable Load kgf	Approx. Weight Kg/m	Allowable Speed m/min
				T1	T2	H	h	D	L1	L2					
DBC NOS 40	12.7	7.55	7.94	1.5	2.0	12.0	10.4	3.97	8.7	10.4	1,950	1,550	370	0.70	150
DBC NOS 50	15.875	9.26	10.16	2.0	2.4	15.0	13.0	5.09	10.56	12.56	3,200	2,450	650	1.11	135
DBC NOS 60	19.05	12.28	11.86	2.4	3.2	18.1	15.6	5.96	13.6	15.1	4,500	3,490	900	1.72	120
DBC NOS 80	25.40	15.48	15.88	3.2	4.0	24.1	20.8	7.94	17.15	19.95	8,000	6,250	1,500	2.77	90
DBC NOS 100	31.75	18.70	19.05	4.0	4.8	30.1	26.0	9.54	20.85	24.25	12,000	9,740	2,300	4.30	80
DBC NOS 120	38.10	24.75	22.23	4.5	5.5	36.2	31.2	11.31	25.6	29.10	17,000	14,000	3,100	6.40	50
DBC NOS 06B	9.52	5.7	6.3	1.27	1.27	8.2	8.2	3.3	6.1	7.7	1,000	910	-	0.29	-
DBC NOS 08B	12.69	7.2	8.5	1.6	1.6	10.4	10.4	4.44	8.4	10.0	2,000	1,800	-	0.7	-
DBC NOS 10B	15.87	9.1	10.11	1.6	1.6	13.72	13.72	5.06	9.55	11.25	2,550	2,260	-	0.95	-
DBC NOS 12B	19.04	11.1	12.02	1.8	1.8	16.13	16.13	5.7	11.1	13.0	3,400	2,950	-	1.25	-
DBC NOS 16B	25.4	16.8	15.8	3.2	4.0	20.8	20.8	8.25	17.75	19.95	7,550	6,130	-	2.84	-

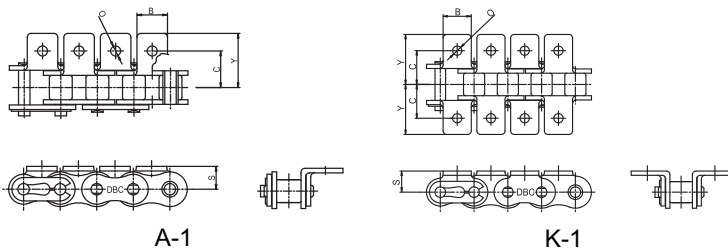
Double strand 2열



unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia R	Plate				Pin			Transverse Pitch C	Average Breaking Load kgf	Min. Ultimate Strength kgf	Max. Allowable Load kgf	Approx. Weight kg/m	Allowable Speed m/min
				T1	T2	H	h	D	L1	L2						
DBC NOS 40-2	12.7	7.55	7.94	1.5	2.0	12.0	10.4	3.97	16.45	17.95	15.4	3,900	3,100	518	1.40	150
DBC NOS 50-2	15.875	9.26	10.16	2.0	2.4	15.0	13.0	5.09	20.15	22.15	19.0	6,400	4,900	910	2.20	135
DBC NOS 60-2	19.05	12.28	11.86	2.4	3.2	18.1	15.6	5.96	25.9	27.4	24.52	9,000	6,980	1,260	3.40	120
DBC NOS 80-2	25.4	15.48	15.88	3.2	4.0	24.1	20.8	7.94	32.7	35.5	31.1	16,000	21,500	2,100	5.5	90
DBC NOS 100-2	31.75	18.7	19.05	4.0	4.8	30.1	26.0	9.54	36.7	45.9	37.6	24,000	19,460	-	8.6	80

유럽형 Attachment Chains



unit : mm

DONG BO Chain No.	Attachment Dimensions				
	B	O	S	C	Y
DBC NOS 08B	12.5	4.5	10.0	13.1	19.0
DBC NOS 10B	15.0	5.5	10.0	16.7	27.0
DBC NOS 12B	18.5	6.6	11.0	18.6	29.0
DBC NOS 16B	25.0	9.0	18.0	28.9	41.8

Environment Resistant Chains

내식 내열용 체인

1. Stainless Steel Chain Series 스테인레스 스틸 체인

The chain is ideal for acidic or alkaline environments, or where the chain will be exposed to water and for very high or low temperature locations, where resistance to corrosion is required.

Dong Bo Chain offers either SS 300 Series(austenitic stainless) or SS 400 Series (martensitic stainless).

- * 특유의 내식성, 내마모성의 스테인리스 재질 특성으로 산, 알칼리, 수분이 많은 사용환경 및 고온과 저온 영역의 사용환경에 적합한 체인입니다.



<Features>

- * Wide range of stainless steel attachments
- * improved maximum allowable load
- * A Stainless Steel chain is the highest in corrosion resistance and heat resistance, and can be used in all chemical plants, food processing machines, water treatment machines, etc.
- * Can be used in corrosive chemicals, acids and alkalis, tap water, salt Water and in high levels of moisture
- * High and low temperature capability (approval working temperature: -20°C~400°C)
- * Rustless
- * Minimized weight
- * Attention: After cold working, chain can be a little magnetic.

<제품특징>

- * 다양한 어태치먼트가 선택가능.
- * 정밀도가 높고, 경량으로 설계되었으나 충분한 파단강도 유지
- * 고품질의 스테인리스 재질을 사용한 체인으로 용도에 따라 SS300 시리즈 (Austenitic Stainless)와 SS400시리즈(Martensitic Stainless)가 선택 가능합니다.
- * 수중(水中), 산성, 알칼리성의 내식 환경과 저온 또는 고온 환경에서의 사용이 가능한 체인입니다. (사용 가능온도 : -20°C~400°C)
- * 녹이 슬지 않는 특성으로 인해 식품가공 공장 등에도 사용이 가능합니다.

[주의] Stainless Chain (SS300시리즈)은 냉간가공 공정으로 인하여 약간의 자성(磁性)이 나타날 수도 있음에 유의 하십시오.

2. Zinc Galvanizing Chain 아연 도금체인



<Features>

- * Acceptable performance where equipment must operate in mildly corrosive environments.
- * Suitable for outdoor works
- * most economical
- * approval working temperature: -10°C~60°C
- * Attention : The max. allowable Load of chain is about 15% lower than in the standard (not plated chains).

<제품 특징>

- * 일반 스틸 재질의 체인에 아연도금을 입힌 체인으로 외부의 대기 부식 환경에 적용이 가능한 체인입니다.
- * 허용 사용온도 : -10°C~60°C
- * 주의 : 최대 허용하중이 비도금형 일반제품에 비해 약 15% 저하되므로, 선정 시 주의를 요합니다. (세부사항은 당사에 문의 하여 주십시오)

3. Nickel Plated Chain 니켈 도금체인

Result from nickel plated surface, this chain can be used under outdoors, acid vapor or salty environment. Nickel plating delays the corrosive effect on the chain.

But in general, nickel plating is specified when appearance of chain is critical, for the cost is less than comparable stainless steel chains. Nickel-plated chain offers acceptable protection for mildly corrosive environments. For more corrosive environments, please consider stainless steel chains.

<Features>

- * economical
- * delaying corrosive effect on the chain
- * excellent silver like appearance
- * approval working temperature: -10°C~ 60°C
- * Attention : The max. allowable Load of chain is about 15% lower than in the standard(not plated chains) This factor must be carefully examined when you select this chain.



일반 스틸재질의 체인에 니켈 도금을 입힌 체인으로 실외, 산(酸), 수증기, 염분을 함유한 환경에서의 사용에 적합한 체인입니다. 니켈 도금 체인은 스테인리스 체인 보다는 내식성이 떨어져 경(輕)부식 환경에서의 사용에 적합하나 경제적인 장점이 있습니다. (심한 부식성 환경의 경우에는 스테인리스 체인의 사용이 추천되어집니다.)

<제품특징>

- * 경제적
- * 경(輕)부식 환경에 적합한 내식성
- * 허용 사용온도: -10°C~60°C
- * 주의 : 최대 허용 하중이 비도금형 일반제품에 비해 약15% 저하되므로, 선정 시 주의를 요합니다. (세부사항은 당사에 문의하여 주십시오)



4. Chromium Plating Chain 크롬 도금체인



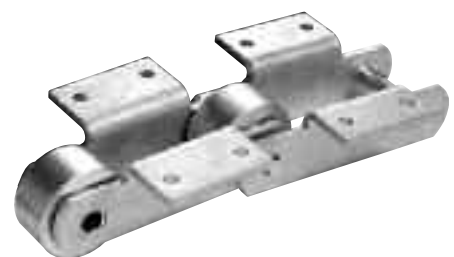
<Features>

- * Components of chains(roller, bushing or plate) is chromium plated.
- * It can be used in mildly corrosive environments.
- * Available on a made-to-order basis, because the corrosion resistant characteristics depend on coating Thickness.
- * High hardness
- * excellent silver like appearance
- * approval working temperature: -10°C~60°C
- * Attention : The max. allowable Load of chain is about 15% lower than in the standard (not plated)

Note) Pictured chain consist of chromium plated roller and Einc galvanized plate
참조) 사진은 크롬도금형 로울러 및 아연도금 플레이트가 조합된 체인입니다.

<제품 특징>

- * 일반 스틸 재질의 체인에 크롬도금을 입힌 체인으로 경도가 높고, 외관이 미려하며, 공기중에서 변색이 되지 않는 특징이 있습니다.
- * 허용 사용온도: -10°C~60°C
- * 내식성은 도금두께에 따라 편차를 가지며, 최대 허용하중이 비도금형 일반제품에 비해 약15% 저하되므로, 체인 선정 시 당사의 자문을 구하시는 것이 좋습니다.



Environment Resistant Chains

내식 내열용 체인

5. Dacortized Chain 다크로 도금체인



<Features>

- * Surface of chains treated completely dacortized coating film.
- * Excellent anti-rust performance
- * approval working temperature: -10°C~60°C
- * Attention : The max. allowable Load of chain is about 15% lower than in the standard (not plated chains).

<제품특징>

- * 일반 스틸 재질의 체인에 다크로 처리를 한 체인으로 6가 크롬
- * 유기물에 의한 비결정체가 아연 입자와 상호 6가 크롬 결합하여 형성된 피막에 의한 코팅(Coating) 으로 우수한 내식성을 유지하는 Chain 입니다.
- * 허용 사용온도: -10°C~60°C임.
- * 주의 : 최대 허용 하중이 비도금형 일반제품에 비해 약15% 저하되므로, 선정 시 주의를 요합니다.
(세부사항은 당사에 문의하여 주십시오)



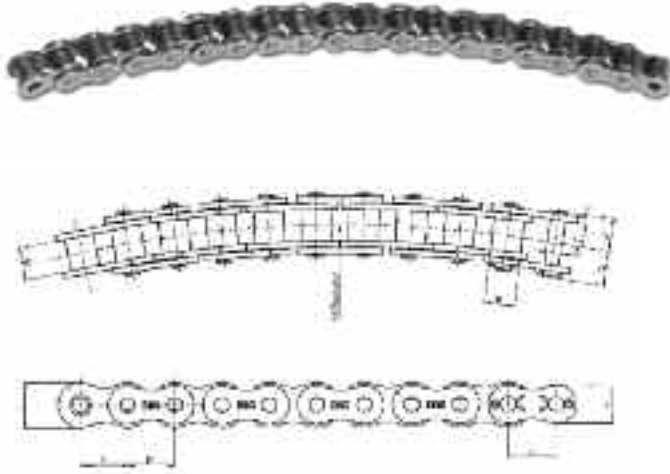
These chains are designed specially for applications in corrosive environment and can be used in all chemical plants, food processing machines, water treatment machines, etc.
Best wear resistance and low friction coefficient .

내식성과 내마모성이 요구되는 환경에서의 사용에 최적의 체인으로 클린환경에서 사용가능한 체인(전자제품, 의료기구, 식품제조 라인등)입니다.



Side-bow Chains

굴곡 체인



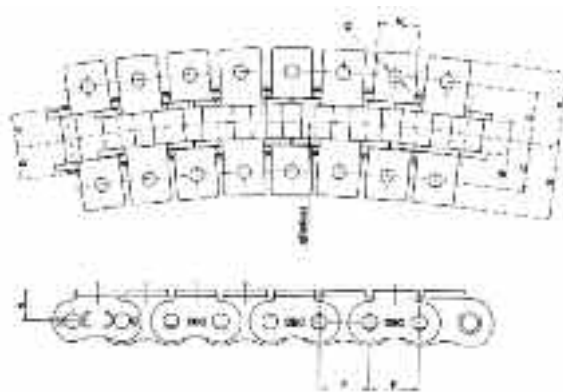
The Side Bow Chain has special flexibility allowance between pin and bush, and between the roller link plate and the pin link plate. This gives additional radius for curving sideways and basic dimensions are identical to Standard Roller Chains. By applying various attachments to the chain, it can also act as a precision conveyor chain.

굴곡 체인은 핀과 부쉬와 내판과 외판 사이에서 허용하는 특별한 유연성을 부여하여 옆으로 굽어질 수 있는 부가적인 간격(r:Radius)을 가지고 있으며 기본 치수는 표준형 로울러 체인과 동일 하며 각종 부착물을 체인에 적용하여 정밀 컨베이어체인 역할도 겸하게 제작됩니다.

unit : mm

DONG BO Chain No.	Pitch P	Radius 반지름 r	Roller Dia R	Inner width W	Plate			Pin		
					T	H	h	D Max	F	G
DBC 35SB	9.525	254	□5.08	4.78	1.25	9.0	7.8	3.58	6.05	7.65
DBC 40SB	12.70	350(400)	7.94	7.95	1.5	12.0	10.4	3.97	8.45	9.75
DBC 50SB	15.875	400(500)	10.16	9.53	2.0	15.0	13.0	5.09	10.60	12.40
DBC 60SB	19.05	500(600)	11.91	12.70	2.4	18.1	15.6	5.96	13.25	15.05
DBC 80SB	25.40	600(800)	15.88	15.88	3.2	24.1	20.8	7.94	16.75	20.05

* ()내 치수는 SUS체인 활용.
* Bushing diameter
* 부쉬외경입니다.



Attachment

unit : mm

DONG BO Chain No.	Radius 반지름 r	Attachment Dimensions					Add. Weight per Att. □		Avg. Breaking Load(kgf)	Max. Allowable Load (kgf)	Approx weight kg/m
		C	N	O	S	X	A- Att. □	K- Att. □			
DBC 35SB	254	9.5	7.9	3.4	6.35	14.5	0.0008	0.0016	820	95	0.31
DBC 40SB	350	12.7	9.5	3.6	8.0	18.0	0.002	0.004	1,580	190	0.61
DBC 50SB	400	15.9	12.7	5.2	10.3	23.7	0.003	0.006	2,460	290	1.01
DBC 60SB	500	19.1	15.9	5.2	11.9	28.5	0.007	0.014	3,560	410	1.40
DBC 80SB	600	25.4	19.1	6.8	15.9	37.1	0.013	0.026	6,280	710	2.47

* Add.= additional
* Att.= attachment

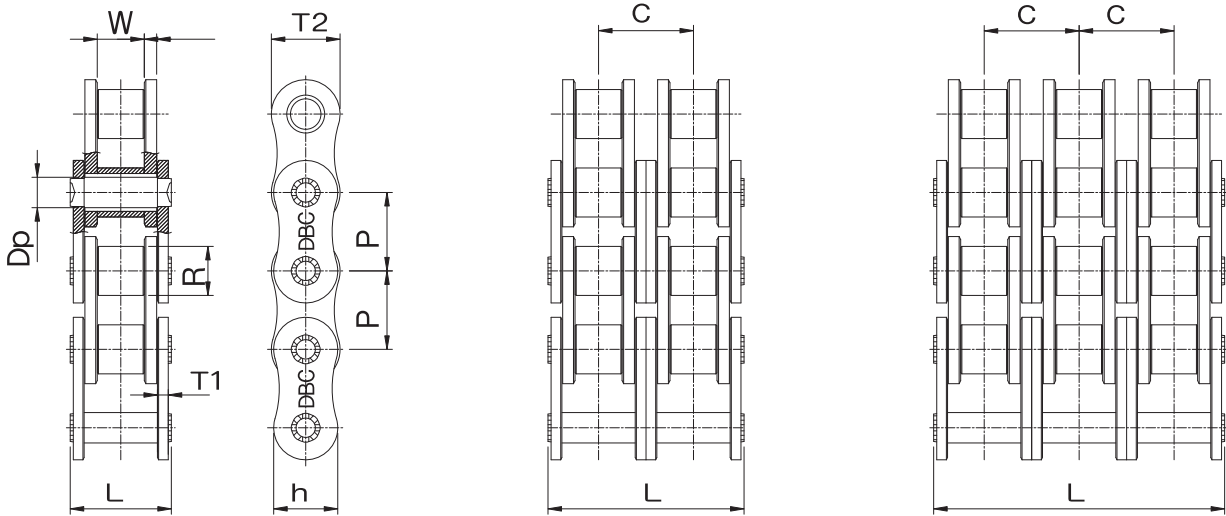


Marine Diesel Engine Chains

선박(船舶) 엔진용 체인

The Marine Diesel Engine Chain is attached to engines of various types of vessels and rotates the camshaft axis. It is manufactured with high durability, fatigue resistance, and strength. The Marine Diesel Engine Chain, all over the world, including Dong Bo's products, conforms to the British Standard. Dong Bo chain has acquired certificate for the chain by MAN Diesel & Turbo, the 4th chain brand in the world.

선박용 로울러체인은 각종 대형선박의 엔진에 장착되어 캠샤프트의 축을 회전시킴으로써 고도의 내구성과 내마모성 및 강력한 힘이 충족되도록 제작됩니다. 선박용(船舶用) 체인은 세계적으로 영국규격 (British Standard)이 준용되며 동보(DBC) 제품은 BS 규격에 따라 제작됩니다. 또한 이 제품은 세계에서 4번째로 MAN Diesel & Turbo사의 품질인증을 획득한 최고의 품질을 지닌 제품입니다.



DONG BO Chain No.		Pitch P	Roller Dia P	Inner Width W	Inner Plate H	Pin		Transverse Pitch C	Breaking Load (kgf)		Approx. Weight kg/m
						Dp	L		Dong Bo	B.S.*	
DBC MD40B-1		63.50	39.37	38.10	52.90	22.89	78.20	72.29	30,000	26,770	16.0
DBC MD40B-2							151.20		58,700	53,540	32.0
DBC MD40B-3							223.90		87,400	80,310	48.0
DBC MD48B-1		76.20	48.26	45.72	63.80	29.24	98.70	91.21	45,000	40,830	25.0
DBC MD48B-2							190.00		86,500	81,650	50.0
DBC MD48B-3							281.60		128,100	122,470	75.0
DBC MD56B-1		88.90	53.98	53.34	77.80	34.32	114.50	106.60	61,000	55,340	35.0
DBC MD56B-2							221.10		118,300	110,680	70.0
DBC MD64B-1							101.60		63.50	60.96	90.10
DBC MD64B-2		247.00	154,500	145,150	120.0						
DBC MD72B-1		114.30	72.39	68.58	103.60	44.50	144.40	136.27	105,000	91,630	80.0

unit : mm

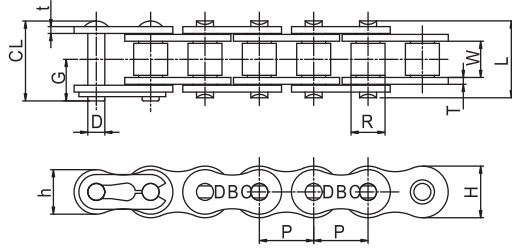
* B.S = British Standard

Motercycle Drive Chains

모터 사이클 체인



Non O-ring type



This chain is generally selected and applied proportional to the motorcycle displacement, and the chain number is internationally compatible. Required enormous force for high-speed rotations, the chain is forced to withstand from impact, abrasion, and fatigue. Therefore the chain is also widely used in various power transmission equipment of farm machine, general machinery for dyeing, wearing, etc.

이 체인은 일반적으로 모터사이클의 배기량에 비례하여 선택 사용됨으로써 구동체인의 체인번호는 국제적으로 호환성을 유지하며, 체인의 특성은 고속회전시의 강력한 힘을 요구함에 따라 내충격·내마모성 및 피로강도의 유지가 요청됩니다. 따라서 農機械·연직機械 및 일반산업기계의 동력 전달 장치로 널리 사용되고 있습니다.

unit : mm

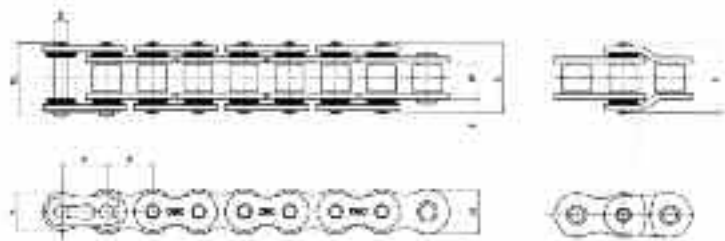
DONG BO Chain No.	Pitch		Inner Width W	Roller Dia R	Plate				Pin				Breaking Load kgf
	mm	inch			T	t	H	h	D	L	CL	G	
DBC 420	12.70	0.500	6.35	7.77	1.5	1.5	12.0	10.4	3.97	14.85	16.30	8.87	1,600
DBC 420H	12.70	0.500	6.35	7.77	2.0	2.0	12.0	10.4	3.97	17.00	19.20	10.70	1,900
DBC 428	12.70	0.500	7.95	8.50	1.5	1.5	12.0	10.4	4.51	16.65	18.20	9.85	1,750
DBC 428H	12.70	0.500	7.95	8.50	2.0	2.0	12.0	10.4	4.51	18.50	20.40	10.85	2,300
DBC 520	15.875	0.625	6.35	10.16	2.0	2.0	15.0	13.0	5.09	17.10	18.70	10.15	2,800
DBC 520H	15.875	0.625	6.35	10.16	2.4	2.4	15.0	13.0	5.09	18.70	20.30	14.00	3,200
DBC 525	15.875	0.625	7.95	10.16	2.0	2.0	15.0	13.0	5.09	18.70	20.30	11.00	2,800
DBC 530	15.875	0.625	9.53	10.16	2.0	2.0	15.0	13.0	5.09	20.60	22.50	12.00	2,800
DBC 530H	15.875	0.625	9.53	10.16	2.4	2.4	15.0	13.0	5.09	21.80	24.00	13.10	3,200

※ To change chain dimensions for development of new model, please consult Dong Bo Chain.
모터사이클의 신기종 개발에 따른 체인의 치수 및 형태 변경은 주문에 따라 제작 가능합니다.

O-ring type

The O-ring Chain is designed by inserting o-rings between the roller link plate and the pin link plate of motorcycle drive chains to prevent protect the components from friction, heat generation and foreign substance penetration between the roller link plate and the pin link plate which are rotate at high-speeds. This chain is adequate for motorcycles with large displacements.

오링 체인은 모터사이클 드라이브 체인의 내판과 외판 사이에 오링을 삽입시켜 고속회전 내·외판간의 마찰 및 발열상태와 이물질 방지를 목적으로 설계되었으며 주로 배기량이 강력한 (250CC 이상) 모터사이클에 적용됩니다.



unit : mm

DONG BO Chain No.	Pitch		Inner Width W	Roller Dia R	Plate				Pin				Breaking Load kgf
	mm	inch			T	t	H	h	D	L	CL	G	
DBC 420 OL	12.70	0.500	6.35	7.77	1.5	1.5	12.0	10.4	3.97	17.70	19.60	10.80	1,600
DBC 428HOL	12.70	0.500	7.95	8.5	2.0	2.0	12.0	10.4	4.51	21.40	23.00	12.30	2,300
DBC 520 OL	15.875	0.625	6.35	10.16	2.0	2.0	15.0	13.0	5.09	20.30	21.80	11.60	2,800
DBC 530 OL	15.875	0.625	9.53	10.16	2.0	2.0	15.0	13.0	5.09	23.00	25.10	13.60	2,800
DBC 530HOL	15.875	0.625	9.53	10.16	2.4	2.4	15.0	13.0	5.09	25.50	26.50	13.80	3,200

Timing Chains

자동차용 타이밍 체인

1열



2열



Single strand 단열

Chain type 체인 형상		Chain figure 도 해	
Bushed type 부쉬형	BS-type BS형		
	BF-type BF형		
Roller type 로올러형	RF-type RF형		

unit : mm

DONG BO Chain No.	ISO NO.	Chain Type	Pitch P	Bushing or Roller Dia B or R	Inner Width W	Plate			Pin		Breaking Load kgf(KN)	Approx Weight (g/link)
						Tp	Tr	H	D	L		
DBC 25	04C	BS	6.35	3.30	3.18	0.75	0.75	5.84	2.31	7.6	450(4.4)	0.9
DBC 25H	-	BS	6.35	3.30	3.18	0.75	1.0	5.84	2.31	8.2	600(5.9)	1.0
DBC 25H	-	BF	6.35	3.30	3.18	0.75	1.0	5.84	2.31	8.2	600(5.9)	1.1
DBC 04M	-	BF	7.00	4.00	3.50	1.0	1.15	6.8	2.70	9.6	800(7.8)	1.8
DBC 05M	-	BS	7.774	4.59	4.90	1.0	1.27	7.5	3.05	11.5	880(8.6)	2.3
DBC 05M	-	BF	7.774	4.59	4.90	1.0	1.27	7.5	3.05	11.5	910(8.9)	2.4
DBC 05MA	-	BF	7.774	4.59	4.90	1.0	1.27	7.5	3.05	11.5	950(9.3)	2.4
DBC 05MH	-	BS	7.774	4.59	4.90	1.27	1.50	7.5	3.05	12.5	1,000(9.8)	2.5
DBC 05T	-	BF	8.00	4.73	4.61	1.0	1.27	7.8	3.05	11.5	880(8.6)	2.5
DBC 05TA	-	BF	8.00	4.73	4.61	1.0	1.27	7.8	3.05	11.5	950(9.3)	2.5
DBC 06B	06B	RF	9.525	*6.35	5.72	1.0	1.27	8.26	3.28	13.5	1,050(10.3)	3.7
DBC 06B-WR	-	RF	9.525	*6.35	5.72	1.0	1.27	8.26	3.28	13.5	1,050(10.3)	3.7
DBC 06E	-	RF	9.525	*6.35	5.72	1.15	1.37	8.26	3.28	14.0	1,250(12.3)	4.2
DBC 06H	-	BF	9.525	6.35	5.10	1.6	2.1	9.3	3.50	15.1	1,500(14.7)	5.6
DBC 46	-	BS	12.70	6.60	6.35	1.50	1.50	11.9	3.97	14.7	1,780(17.4)	6.7

* Roller Diameter = 로올러외경입니다.



Double strand 복열

Chain type 체인 형상		Chain figure 도 해	
Bushed type 부쉬형	BS-type BS형		
	BF-type BF형		
Roller type 로울러형	RF-type RF형		

unit : mm

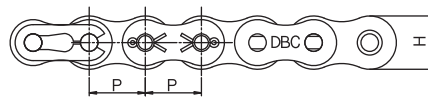
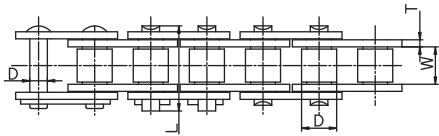
DONG BO Chain No.	ISO NO.	Chain Type	Pitch P	Bushing or Roller Dia B or R	Inner Width W	Plate				Pin		Transverse Pitch C	Breaking Load kgf(KN)	Approx Weight (g/link)
						Tp	Tr	Tm	H	D	L			
DBC 25-2	04C-2	BS	6.35	3.30	3.18	0.75	0.75	0.75	5.84	2.31	14.0	6.4	840(8.2)	1.7
DBC 35-2	06A-2	BS	9.525	5.08	4.78	1.25	1.25	1.25	9.0	3.59	22.8	10.1	2,000(19.6)	6.6
DBC 36-2	-	BS	9.525	5.64	4.78	1.27	1.27	1.27	9.0	3.59	22.8	10.1	2,000(19.6)	6.8
DBC 05T-2	-	BF	8.00	4.73	4.61	1.0	1.27	1.27	7.8	3.05	20.5	8.79	1,550(15.2)	4.8
DBC 06B-2	06B-2	RF	9.525	*6.35	5.72	1.0	1.27	1.6	8.26	3.28	23.8	10.24	1,880(18.4)	7.0
DBC 06D-2	-	BF	9.525	6.35	5.72	1.27	1.27	1.6		3.97	24.0	10.24	2,250(22.1)	8.1
DBC 46-2	-	BS	12.70	6.60	6.35	1.5	1.5	1.5	11.9	3.97	27.5	12.8	3,670(36.0)	13.2

*Roller Diameter = 로울러외경입니다.

Agriculture Chains

농업 기계용 체인

General farm machine roller chain 일반 농업기계용 체인



It is designed by controlling component dimensions and hardness. It can be attached and applied in driving gears of cultivators (6 · 8 · 10 HP), rice transplanters, binders, combines, bed formers, power sprayers, reapers, tractors, and other conveyer equipment.

표준형 로울러 체인의 치수 및 경도를 사용환경에 적합하도록 특수 조정하여 설계되었으며, 경운기 (6,8,10HP) 및 이앙기, 바인더, 콤바인, 복토기, 동력살분무기, 예취기, 트랙터의 구동장치 및 각종 이송장치에 장착 사용됩니다.

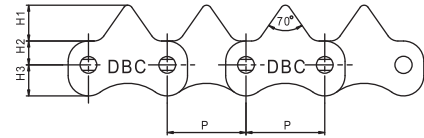
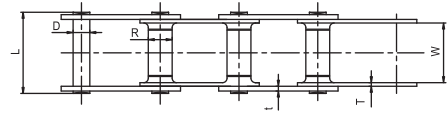
unit : mm

DONG BO Chain No.	Pitch		Roller Dia	Inner Width	Plate		Pin		Breaking Load kgf	Max. Allowable Load kgf	Approx Weight (kg/m)
	mm	inch	R	W	T	H	D	L			
DBC 415 S	12.70	1/2	7.77	4.76	1.5	10.4	3.97	12.70	1,500	380	0.44
DBC 415 SH	12.70	1/2	7.77	4.76	1.5	12.0	3.97	13.00	1,900	380	0.52
DBC C425 S	12.70	1/2	7.94	7.94	1.5	12.0	3.97	16.30	2,100	380	0.71
DBC C425 SH	12.70	1/2	7.94	7.94	2.0	12.0	3.97	17.30	2,100	380	0.80
DBC 428 SH	12.70	1/2	8.50	7.94	2.0	12.0	4.51	18.60	2,400	500	0.77
DBC C428 SH	12.70	1/2	8.50	7.94	2.0	12.0	4.51	18.60	2,400	500	0.88
DBC 520 S	15.875	5/8	10.16	6.35	2.0	15.0	5.09	17.30	3,200	800	0.92
DBC C525 SH	15.875	5/8	10.16	7.94	3.2	15.0	5.09	22.10	3,700	880	1.46
DBC 530 S	15.875	5/8	10.16	9.53	2.0	15.0	5.09	20.05	3,200	800	1.05
DBC 530 SH	15.875	5/8	10.16	9.53	2.4	15.0	5.09	22.10	3,700	880	1.17
DBC C530 SH	15.875	5/8	10.16	9.53	2.4	15.0	5.09	22.10	3,700	880	1.32
DBC 530 HK	15.875	5/8	10.70	9.53	2.4	15.5	5.64	21.60	3,800	880	1.25
DBC 630 S	19.05	3/4	11.91	9.53	2.4	18.1	5.96	22.65	4,500	950	1.36
DBC 630 SK	19.05	3/4	11.91	9.53	3.2	19.5	5.96	25.15	5,000	950	1.83
DBC C630 S	19.05	3/4	11.91	9.53	2.4	18.1	5.96	21.85	4,500	950	1.51
DBC C630 SH	19.05	3/4	11.91	9.53	3.2	18.1	5.96	25.15	5,400	1,100	1.64
DBC C630 HK	19.05	3/4	14.28	9.53	4.0	19.5	6.74	27.70	6,500	1,100	2.35
DBC C635 HK	19.05	3/4	12.70	11.11	4.0	19.5	6.74	29.30	6,500	1,100	2.30
DBC 640 S	19.05	3/4	11.91	12.70	2.4	18.1	5.96	25.15	4,900	950	1.48
DBC C640 C	19.05	3/4	11.91	12.70	2.4	18.1	5.96	25.15	4,900	950	1.65
DBC 640 H	19.05	3/4	11.91	12.70	3.2	18.1	5.96	29.30	4,800	950	1.77
DBC 640 SH	19.05	3/4	11.91	12.70	3.2	18.1	5.96	29.30	5,400	1,100	1.77
DBC 640 SK	19.05	3/4	11.91	12.70	3.2	19.5	5.96	29.30	5,500	1,100	1.94
DBC 640 HK	19.05	3/4	12.70	12.70	3.2	19.5	6.74	29.30	6,000	1,100	1.85
DBC 640 KK	19.05	3/4	14.28	12.70	3.2	19.5	7.10	29.30	6,200	1,100	2.23
DBC C640 KK	19.05	3/4	14.28	12.70	3.2	19.5	7.10	29.30	6,300	1,100	2.37
DBC 745 HK	22.225	7/8	15.60	14.29	4.8	23.5	7.94	35.80	8,100	1,900	3.58
DBC B745 SH	22.225	7/8	14.28	14.29	4.8	23.5	9.00	36.30	10,000	2,100	3.71
DBC 745 HK	22.225	7/8	15.60	14.29	4.8	23.5	7.94	35.80	800	1,900	3.50
DBC C845 HK	25.40	1	19.05	14.29	6.4	25.0	9.54	42.35	11,500	2,800	4.99
DBC C850	25.40	1	15.88	15.88	3.2	25.5	7.94	32.50	8,300	1,900	3.12
DBC 850 H	25.40	1	15.88	15.88	4.8	24.1	7.94	35.80	8,300	1,900	2.93
DBC B1060 SH	31.75	1 1/4	19.05	19.05	5.6	31.0	11.11	46.00	15,000	3,500	6.80

Note) : 'C' is Straight side plate chain. 'B' is Bushing chain.
 주) : 'C'는 직선형 링크 플레이트 입니다. 'B'는 부쉬드형 체인입니다.

Automatic feeder chains 자동탈곡기 이송체인

탈곡기체인은 탈곡기용 이송체인으로써 탈곡기와 콤바인등에 장착되어 집단의 정확한 이송에 사용됩니다.



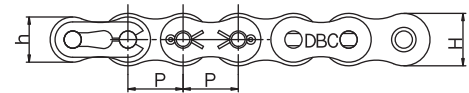
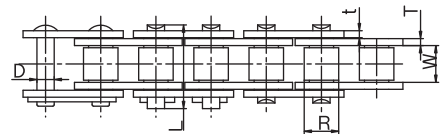
unit : mm

DONG BO Chain No.	Pitch	Roller Dia	Inner Width	Plate			Pin		Breaking Load kgf	Approx Weight kgf		
	P	R	W	t	T	H ₁	H ₂	H ₃			D	L
DBC 3318	33.0	10.0	18.0	2.0	1.50				7.0	29.50	2,000	1.31
DBC 3325	33.0	10.0	25.0	2.0	1.50				7.0	36.50	2,000	1.45
DBC 3330	33.0	10.0	33.0	2.0	1.50				7.0	41.50	2,000	1.55
DBC 3350	33.0	10.0	50.0	2.0	1.50	당사 문의요함.			7.0	61.50	2,000	1.86
DBC 3555	35.0	10.0	55.0	2.0	1.50				7.0	66.50	2,000	1.96
DBC 3558	35.0	10.0	58.0	2.0	1.50				7.0	69.50	2,000	2.02

Rotavator chains 로타베이타 체인

The Rotavator Chain is used in tractor rotary driving gears and where irregular strong impulses are applied. It is designed with rollers press-fit into the roller link plate, or by a regular mechanism.

로타베이타 체인은 트랙터의 로타리 구동 및 불규칙적인 충격이 강한 곳에 사용되며 로울러가 내판에 압입되는 경우와 일반적인 경우로 제작됩니다.



unit : mm

DONG BO Chain No.	Pitch	Roller Dia	Inner Width	Plate				Pin		Breaking Load kgf	Max. Allowable Load kgf	Approx Weight kgf
	P	R	W	t	T	h	H	D	L			
DBC HM45	12.70	8.50	7.95	1.6	2.0	12.5	12.5	4.50	17.7	2,700	520	0.9
DBC 2H44E	12.70	7.77	6.40	1.5	2.0	12.0	12.0	3.96	16.1	2,350	560	0.78
DBC 2H45E	12.70	7.94	7.95	1.5	2.0	12.0	12.0	3.96	17.5	2,350	560	0.83
DBC 2H53S	15.875	10.16	9.55	3.2	2.4	13.0	15.0	5.08	23.6	4,000	700	1.30
DBC 2H 64B	19.05	▲11.91	12.79	3.2	4.0	20.0	20.0	7.50	31.4	8,250	1,535	2.5
DBC 3H63	19.05	11.91	9.55	3.2	3.2	18.0	20.0	5.95	25.8	5,900	1,520	2.0
DBC 4H63	19.05	14.29	9.55	3.2	4.0	19.6	19.6	7.00	27.2	7,400	1,830	2.58
DBC H745E	22.225	15.60	14.30	4.0	4.8	23.5	23.5	7.94	35.8	10,600	2,700	3.8
DBC H745E	22.225	▲14.29	14.29	4.0	4.8	23.5	23.5	9.00	36.2	11,800	2,130	3.6
DBC H745E	22.225	15.60	14.30	4.0	4.8	23.5	23.5	7.94	35.8	10,600	2,900	3.8
DBC 2H85E	25.40	15.88	15.90	3.2	4.0	24.0	24.0	7.94	34.6	9,800	2,300	3.3
DBC 3H85E	25.40	15.88	15.90	4.0	4.0	24.0	24.0	7.94	36.2	11,200	2,300	3.6
DBC 4H85E	25.40	15.88	15.90	4.0	4.62	24.5	24.5	8.28	37.4	12,900	2,800	3.9
DBC H85B	25.40	▲15.88	15.90	4.8	5.6	26.6	26.6	10.00	42.0	14,700	2,860	4.6
DBC H85	25.40	18.25	15.90	4.62	6.0	24.5	24.5	9.53	42.1	14,700	2,830	4.6
DBC H95B	28.575	▲17.46	15.90	4.8	5.6	30.0	30.0	11.11	42.6	16,200	3,200	5.2
DBC H106B	31.75	▲19.05	19.05	4.8	5.6	33.4	33.4	11.11	46.0	17,000	3,900	5.9
DBC H117B	34.925	▲21.43	22.22	5.6	6.4	36.7	36.7	13.49	52.4	22,400	4,400	7.7
DBC H128B	38.10	▲22.23	25.40	5.6	7.2	40.0	40.0	14.29	58.5	28,300	5,100	8.9

▲ Bushing diameter =부쉬드형 체인으로써 'R'은 부쉬외경입니다.

O-Ring Chains

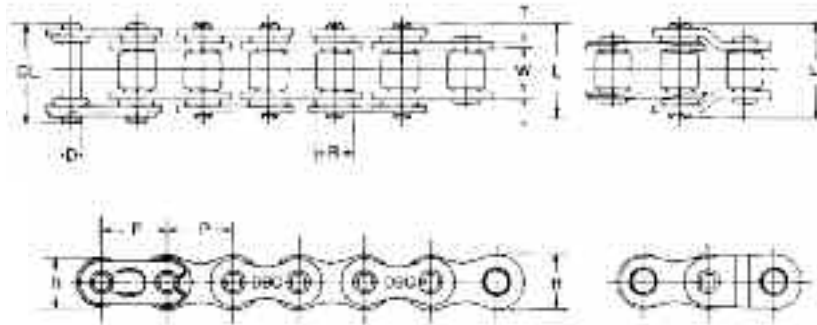
오링 체인



The O-ring Chain is used in a wide range of industrial applications, such as chemical plants, construction sites, packing machinery, textile machinery, paper mills and car parking system.

Dong Bo provide two types of O-Ring Chains(circular - and X-Ring). Special alternatives available on request.(for working in high temperature)

오링체인은 체인의 내판과 외판사이에 탄력성 있는 오링을 삽입시켜 체인내부를 외부환경과 격리시켜 보호하며 (자체 윤활기능을 통해), 고속회전시 내,외판간의 마찰로 인한 발열, 이물질 유입을 방지합니다. 이와 같은 특징으로 최초에는 모터사이클 체인으로 개발 되어졌으나 현재에는 포장산업, 화학산업, 농업기계, 섬유산업 등 광범위한 영역에서 사용되어 지고 있습니다. 동보 오링체인은 표준형 체인보다 현저하게 향상된 내구성 및 저소음이 특징이며, 표준형 오링 (허용 사용온도 60°C)과 X-링 체인으로 구분되어집니다. 고온에서 사용가능한 오링체인은 주문제작 사양이므로 당사에 문의하여 주십시오.



unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller Dia R	Plate			Pin			Min. Breaking Load kgf	Approx. Weight kg/m
				T	H	h	D	L	CL(max)		
DBC 40 OL	12.70	7.95	7.94	1.5	12.0	10.4	3.97	20.0	20.0	1,850	0.67
DBC 50 OL	15.875	9.53	10.16	2.0	15.0	13.0	5.09	23.4	23.7	3,070	1.08
DBC 60 OL	19.05	12.70	11.91	2.4	18.1	15.6	5.96	28.8	29.8	4,370	1.62
DBC 80 OL	25.40	15.88	15.88	3.2	24.1	20.8	7.94	36.6	38.9	7,400	2.83

Chain for Parking System

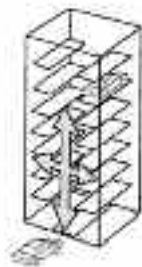
주차 설비용 체인

All components of this chain are specially designed for stability, safety and maintenance friendly : for example high-precision assembly and high strength through our particular heat treatment.

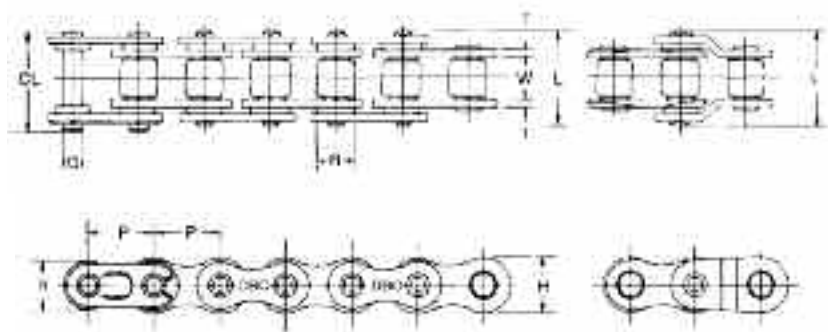
주차 빌딩에 사용되는 체인은 경량이면서도 충분한 강도와 수명을 유지하기 위하여 각 부위의 정밀도를 향상 시키는 동시에 당사의 독특한 열처리 과정을 거쳐 제조 됩니다. 내마모, 내구성이 탁월하고, 성능 및 안전도에서도 우수한 성능을 지니며 유지관리가 편리하도록 제작 되었습니다.

O-Ring Chain for Puzzle Tower Type Parking System

퍼즐 타워방식에 사용되는 오링 체인



Puzzle Tower

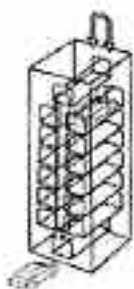


unit : mm

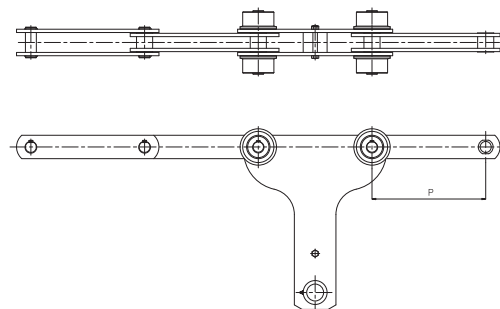
DONG BO Chain No.	Pitch	Inner Width	Roller Dia	Pin			Plate			Breaking Load	Approx.Weight
	P	W	R1	D	L	CL(max)	T	H	h	kgf	kg/m
DBC 60OL	19.05	12.70	11.91	5.96	28.8	29.8	2.4	18.1	15.6	4.370	1.62

T- Type Chain for Rotary Tower Parking System

수직 순환 방식에 사용되는 T형 체인



Rotary Tower



unit : mm

DONG BO Chain No.	Pitch P	Breaking Load kgf	Approx. kg / 4 Link	Parking Capacity주차대수	
				Bottom drive-in Type 하부승입	Top drive-in Type 상부승입
DBC T-A		100,000	116	~ 20	~ 20
DBC T-B		150,000	152	21~30	21~28
DBC T-C	450	180,000	165	31~36	29~34
DBC T-D		210,000	197	37~44	35~42
DBC T-E		260,000	257	45~52	43~50
DBC T-F		268,500	265	53~	51~

Pin Oven Chain

핀 오븐 체인

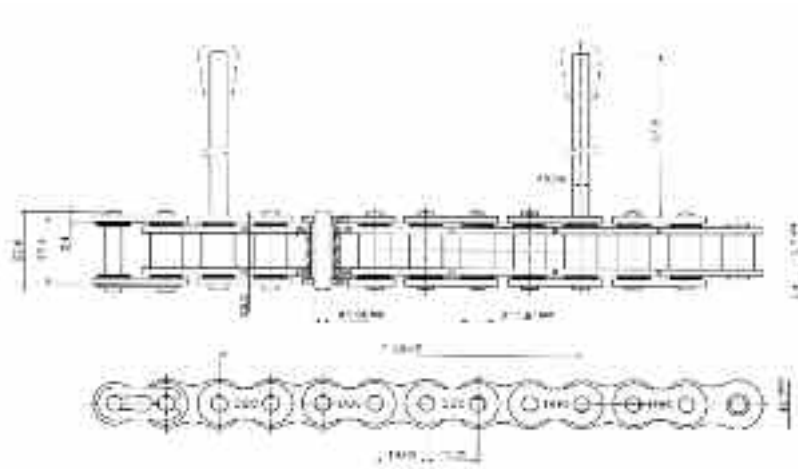
Dong Bo Pin Oven Chain is specially designed for can painting and labeling conveyor lines. The chain can withstand in high operating temperature (available in 250°C) and at high speed (250m/min = an output capacity of 1,800~2,000 cans perminute).

* Specially designed heat resistant O-Ring made the chain life extended and vibration decreased.

동보 핀 오븐 체인은 고온(250°C), 고속(250m/min = 분당 1,800 ~ 2,000개의 캔 이송)의 사용 환경에 사용 가능하도록 특수 설계 된 제품으로

* 내열용 O-RING을 채택하여 보다 높은 수명 및 진동을 현저히 감소시켰으며

* Two-Piece Can 제조공정(Painting and Labeling live)에 주로 사용 되어 집니다.



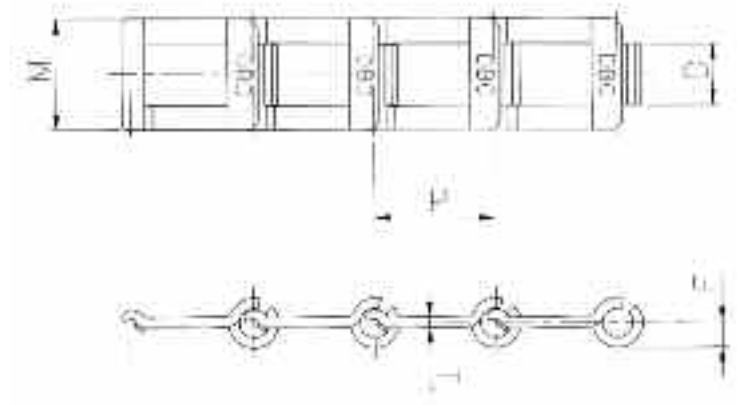
unit : mm

DONG BO Chain No.		Pitch	MIn Breaking Load (kgf)	Avg. Breaking Load (Kgf)
DBC	60TPC	19.05	3,200	4,000



Detachable chains

링크분리형 체인



Detachable chain is originally designed for handicapped environments with low working loads, such as agricultural and textile industries, but now the chain is used in various industries.

- * The chain is flexible in usage by easy assembling & disassembling.
- * Dong Bo Detachable chain has enhanced the durability and allowable loads through our unique heat treatment system.

Detachable Chain(링크분리형 체인)은 최초로 농업 및 섬유 가공공업 등에서 적은 하중 및 가혹한 환경에서 사용 가능하도록 개발된 체인이나 현재는 다양한 산업분야에서 광범위하게 사용되고 있습니다.

- * 각각의 링크를 손쉽게 분리/연장이 가능하여 사용적응성이 매우 뛰어나며 가격 역시 저렴한 장점을 지니고 있습니다.
- * 동보 Detachable Chain은 당사의 독특한 열처리 기술로 내구성 및 허용하중을 현저하게 향상시킨 제품입니다.

unit : mm

DONG BO Chain No.	P	F	M	D	T	Avg, Breaking Load (kgf)
DBC K32	28.32	6.0	24.6	15.0	2.4	720
DBC K32W	29.29	5.89	27.0	15.1	2.4	750



Trolley Chain (Overhead Type)

트롤리 체인

Trolley conveyor allows for maximum conveying flexibility in small spaces, because they can use the space three dimensionally. Dong Bo produce various range of trolley chains for this conveyor system.

Typical applications for our trolley chains include:

- Assembly lines : in Automobile and electronic industries.
- Conveying lines: Tyre, steel, textile, sanitary goods, etc.
- Painting, plating and drying lines in all industries.

Dong Bo trolley chain with high-precision built-in vertical bearings has outstanding stability, making much less noise than other brands and the chain can be custom-configured to any requirement. Our trolley chains are used in most modern automobile factories world wide.

일반 컨베이어는 지상에서 일정한 속도로 연속 작동 하는 작업라인을 이용 하는데 반해 트롤리 컨베이어는 상부 공간을 입체적 궤도로 설정 하여 공간을 자유롭게 활용하여 수송물을 이송하는 것이 특징입니다

특징

- * 체인의 3차원적 공간 이용에 최적의 형식
- * 3차원의 공간이 반송경로와 창고로 활용 가능하여 컨베이어라인의 컴팩트화에 기여
- * 운반물의 승강, 분류, 저장, 합류 등 다양한 용도로 사용가능
- * 경, 중량급의 제품운반과 다품종 소량생산에도 적합하여
 - 전기·전자·각 기계류 생산라인
 - 자동차 차체·도장·조립라인
 - 각 공정 간의 버퍼·스토리지라인
 - 복수의 라인에 부품을 공급·인출하는 라인
 - 반제품 및 완제품의 분류 및 저장라인
 - 상품의 입·출고 자동화 라인 등에 광범위하게 사용됩니다.
- * 당사의 트롤리 체인은 고정밀의 수직 베어링이 조립되어 안정성이 탁월하며 타 트롤리 체인에 비해 소음이 적고 뛰어난 정밀도를 자랑합니다.

1. Carrier



2. NZ, DV Type



3. DX Type - Drop forged chain



NZ. DU Type



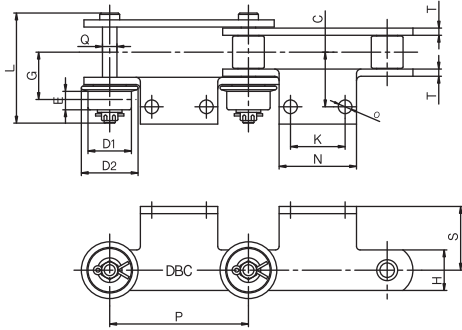
with hanger and pusher dog

Application

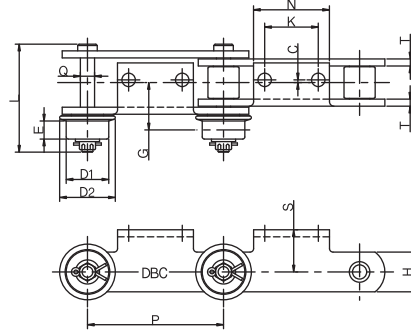


Slat Chain for Automobile Assembly Line

슬래트 체인 (자동차 조립 라인용)



VB-Type



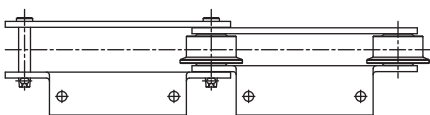
FB-Type



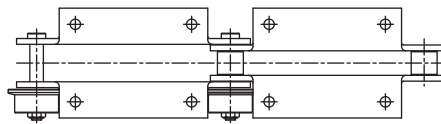
unit : mm

DONG BO Chain No.	Pitch P	Bearing				Link Plate		Pin		Attachment						Avg. Breaking Load (kgf)	Weight		
		D1	D2	E	G	T	H	Q	L	N	K	O	S		C		VB Type	FB Type	
													VB Type	FB Type	VB Type				FB Type
DBC SL 7100	100									65	40							10.4	8.6
DBC SL 7125	125									60	40							8.7	7.6
DBC SL 7150	150									85	60							8.6	7.1
DBC SL 7200	200									135	80							8.3	6.6
DBC SL 7004	101.6	45	55	16	37.5	6	32	12	96	67	40	10	70	25	50	2.5	7,800	10.5	8.4
DBC SL 7005	127									62	40							8.8	7.5
DBC SL 7006	152.4									87	60							8.3	6.8
DBC SL 7008	203.2									138	80							8.4	6.7
DBC SL13150	150									96	60							13.0	11.4
DBC SL13200	200									140	80							12.1	10.2
DBC SL13250	250									190	140							11.5	9.4
DBC SL13006	152.4	52	68	18	45.5	7	38	15.4	116	98	60	12	75	35	60	2.5	15,000	12.9	11.4
DBC SL13008	203.2									143	80							12.0	10.6
DBC SL13010	254.0									194	140							11.5	9.4
DBC SL20200	200									130	80							18.6	18.3
DBC SL20250	250									180	140							18.5	16.9
DBC SL20300	300									230	180							17.8	16.0
DBC SL20008	203.2	68	84	25	56.6	9	50	21	138	133	80	12	80	45	60	2.5	24,000	18.6	18.3
DBC SL20010	254.0									184	140							17.5	17.0
DBC SL20012	304.8									235	180							17.3	16.0

Attachment



F-Type



WB-Type

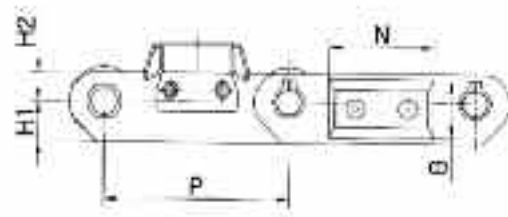
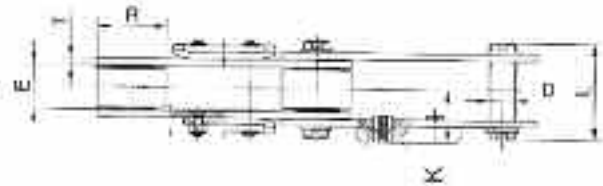
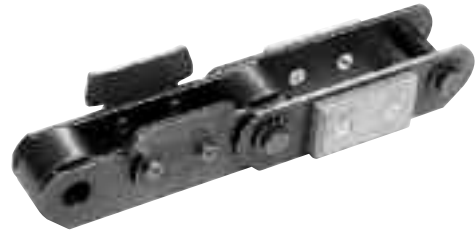


Skid Chain for Automobile Assembly Line 스키드 체인 (자동차 조립 라인용)

It is mainly used for automobile painting and manufacturing lines.

It has excellent precision and can withstand much impact, corrosion and abrasion. You can attach various attachments according to applications.

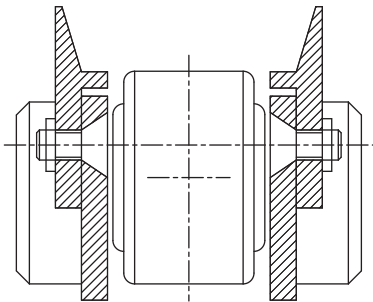
자동차 도장, 조립라인 등에 주로 사용되어지고 있습니다.
정밀도, 내충격성, 내부식성, 내마모성이 우수합니다.
용도에 따라 다양한 어태치먼트를 부착할 수 있습니다.



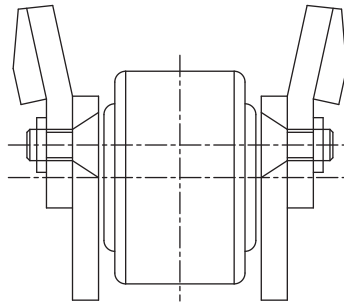
unit : mm

DONG BO Chain No.	Pitch P	Roller		Inner Width W	Plate			Pin		Attachment			Avg. Breaking Load(kgf)
		R	E		T	H ₁	H ₂	D	L	K	N	B	
DBC SKD 160	160	60	35	38	6	25	35	22	83	45	90	50	22.000

Application of Attachment 용도별 어태치먼트의 예



For Suspension
서스펜션용



For Buffer
버퍼용



For Booth
부스용

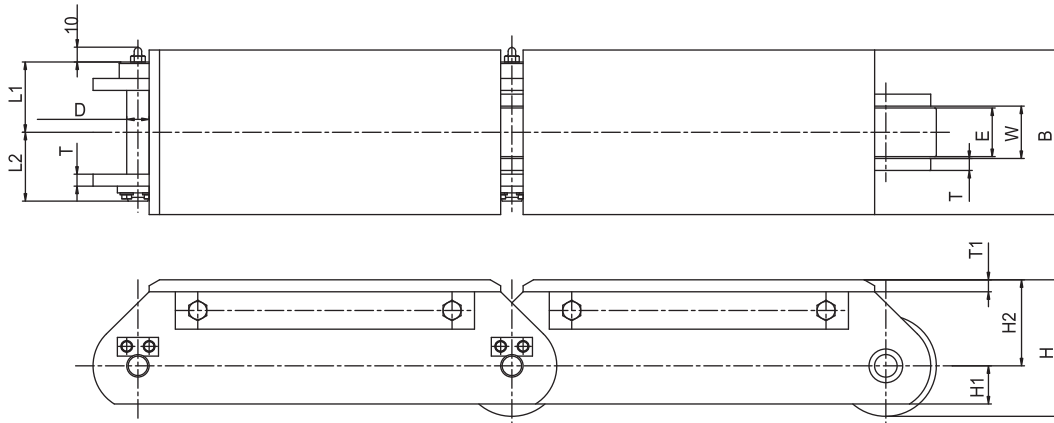


Flat Top Coil Conveyor Chains

플랫톱 코일 컨베이어 체인

This chain is used for conveying heavy weight items such as coils manufactured in hot or cold rolling processes of steel mills and steel works. We have enhanced the bearing durability and chain precision to substantially improve its functionality and extended its lifetime.

제철, 제강소의 열연, 냉연 공정에서 제조되어지는 코일 등 대형 중량물을 반송하는데 사용됩니다. 당사에서는 베어링의 내구성 및 체인의 정밀도 등을 높여 그 성능을 현격하게 개선하여 수명을 비약적으로 향상시켰습니다.



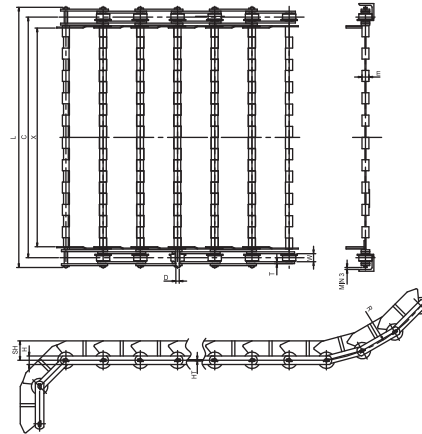
unit : mm

DONG BO Chain No.	Pitch P	Inner Width W	Roller			Link Plate			Top Plate		Pin		Load Carrying Capacity of bearing C/Co	Avg. Breaking load (kgf)	Approx Weight (kg/m)	
			R	E	T	H	H ₁	H ₂	T ₁	B	D	L ₁				L ₂
DBC FT60300	300													16,200		63
DBC FT60400	400	60	125	55	12	154.5	45	92	12	180	28	64.5	72.5	/	60,000	58
DBC FT60500	500													13,600		55
DBC FT90300	300													20,900		90
DBC FT90400	400	62	135	55	16	177.5	56	110	16	190	30	74.5	81.5	/	90,000	83
DBC FT90500	500													16,800		79
DBC FT90300W	300													24,800		98
DBC FT90400W	400	78	135	71	16	177.5	56	110	16	210	30	82.5	89.5	/	90,000	89
DBC FT90500W	500													23,800		84
DBC FT130300	300													28,400		119
DBC FT130400	400													/		109
DBC FT130500	500	76	150	70	19	188	63	113	16	210	30.8	89.5	97.5	/	130,000	102
DBC FT130600	600													25,100		97
DBC FT160400	400													31,000		139
DBC FT160500	500	85	175	80	19	221.5	75	134	19	220	41.5	95.5	102.5	/	160,000	130
DBC FT160600	600													35,000		122

Apron Chains

에이프런 컨베이어 체인

Endless(고리형) 형태로 체인을 장착하여 두 Long Pin 또는 어태치먼트 등으로 Apron과 체인을 연결하여 구동하는 방식의 체인으로 Chip 및 다양한 정삭물 및 부산물의 운반에 적합한 체인입니다.



Dimensions of Main Chain

unit : mm

DONG BO Chain No.		Pitch P	Inner Width W	Plate		Pin Dia. D	Max. Allowable Load kgf
				Thickness T	Height H		
DBC A03075	R*	75	16.1	3.2	22	7.9	900
	F*						
DBC A03100	R*	75	16.1	2.3	22	7.9	900
	F*						
DBC A05150	R*	150	22	4.5	32	11.1	2000
	F*						

* 'R' : Roller Type * 'F' : F-Roller Type

Apron Dimensions

unit : mm

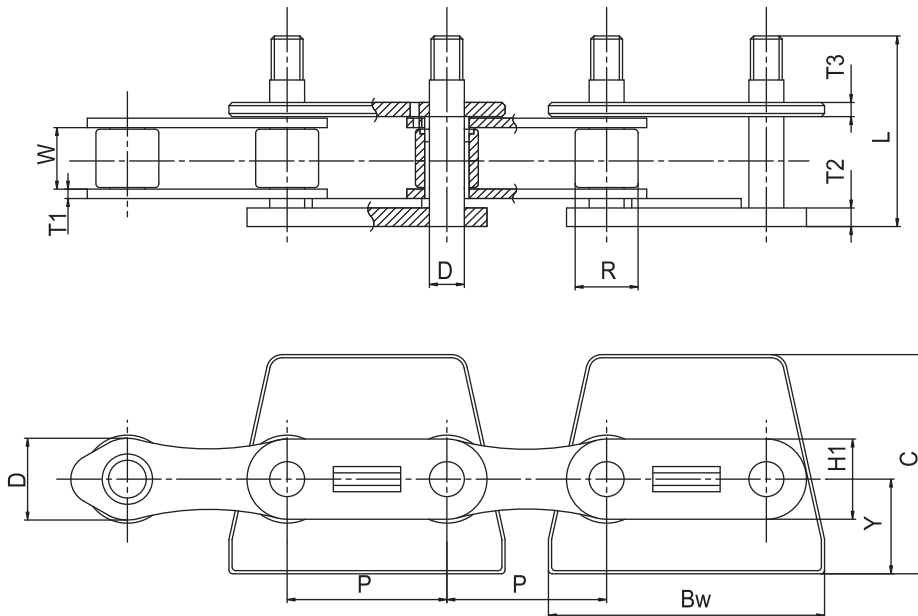
DONG BO Chain No.		Width of Apron X	Width between Both Main Chains C	Length of Long Pin L	Height of Side Wing SH	Thickness of Hinge Plate HT	Hinge Dia E	Min. Radius of Higher Part R	Min. Radius of Lower Part r	Approx. Weight kg/m
DBC A03075	R	150	188	227	40	2.0	16	300	75	13
		300	388	377						18
	F	450	488	527						22
DBC A03100	R	150	188	227	60	2.0	16	450	100	13
		300	388	377						17
	F	450	488	527						21
DBC A05150	R	150	200	252	80	3.0	26	900	150	19
		300	350	402						26
		450	500	552						22
		600	650	702						40
		750	800	852						46

- * 용어설명 : 1. Width between both Main Chains = 메인 체인간의 거리 2. Hinge Dia. = 힌지외경
- 3. Min. Radius of Higher Part = 상부최소 곡률 반경 4. Min. Radius of lower Part = 하부최소 곡률반경
- * To locate more information about dimensions of Main Chain refer to the 'Standard Conveyor Chain'
- * 메인 체인에 대한 자세한 정보는 표준형 컨베이어 페이지를 참조하십시오.
- * 주문시에는 에이프런 체인 번호와 에이프런의 폭을 명기해 주시면 됩니다. 스페셜 사양도 주문 제작이 가능합니다.

Tenter Chain 텐타 체인

Dong Bo Tenter Chain is adequate for post-dyeing, high-temperature, high-speed drying and heat processing conveyance of woven/knitted textile, non-woven fabric, carpet and composite leather. Through hardening processing and precision engineering, it has excellent durability and fatigue resistance. In addition, the lubricating device maintains remarkable lubrication and enables high-speed, quiet operation.

동보 텐타체인은 직물, 편물, 부직포 및 카펫트, 합성피혁 등의 염색 후 고온 및 고속에 의해 건조, 혹은 열처리를 위한 이송작업에 적합한 체인입니다. 경화처리와 정밀가공으로 내마모성과 내구성이 매우 우수함은 물론 탁월한 윤활상태의 유지를 위한 주유장치는 고속 정속운전을 가능토록 합니다.



unit : mm

DONG BO Chain No.	Pitch P	Roller Dia R	Inner Width W	Plate					Pin		Attachment		
				T1	T2	T3	H	H1	D	L	C	Y	Bw
DBC TENTER-CH	50.8	28.6	21.2	3.2	5.9	4.5	26.0	25.5	11.11	56.5	69.7	30.1	87.8

Escalator Chains

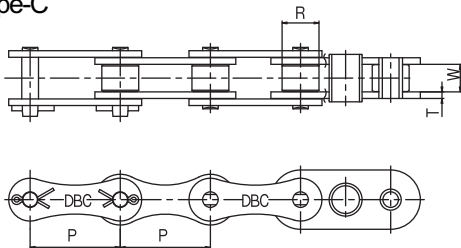
에스컬레이터용 체인

Escalators need a high-precision conveyor chain for stability and safety. Our Escalator Step Chain is specially designed so that riders feel almost no vibration or noise.

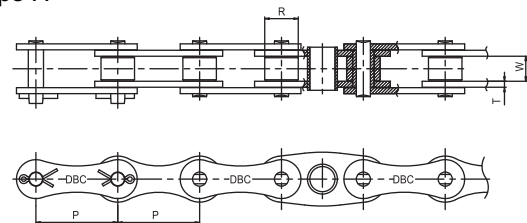
에스컬레이터는 안정성과 안정도를 높이기 위하여 정밀도가 높은 컨베이어 체인을 필요로 합니다. 당사의 에스컬레이터용 스텝체인 (Step Chain)은 탑승자가 진동이나 소음을 거의 느낄 수 없도록 특수설계되어 있습니다.



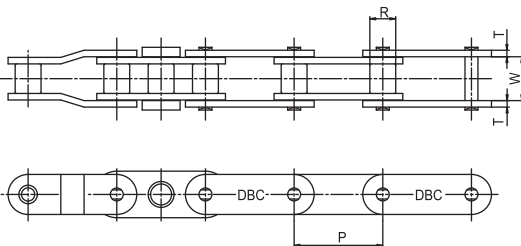
Type-C



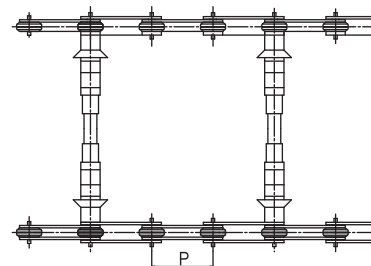
Type-H



Type-N



Type-A (Axle type)



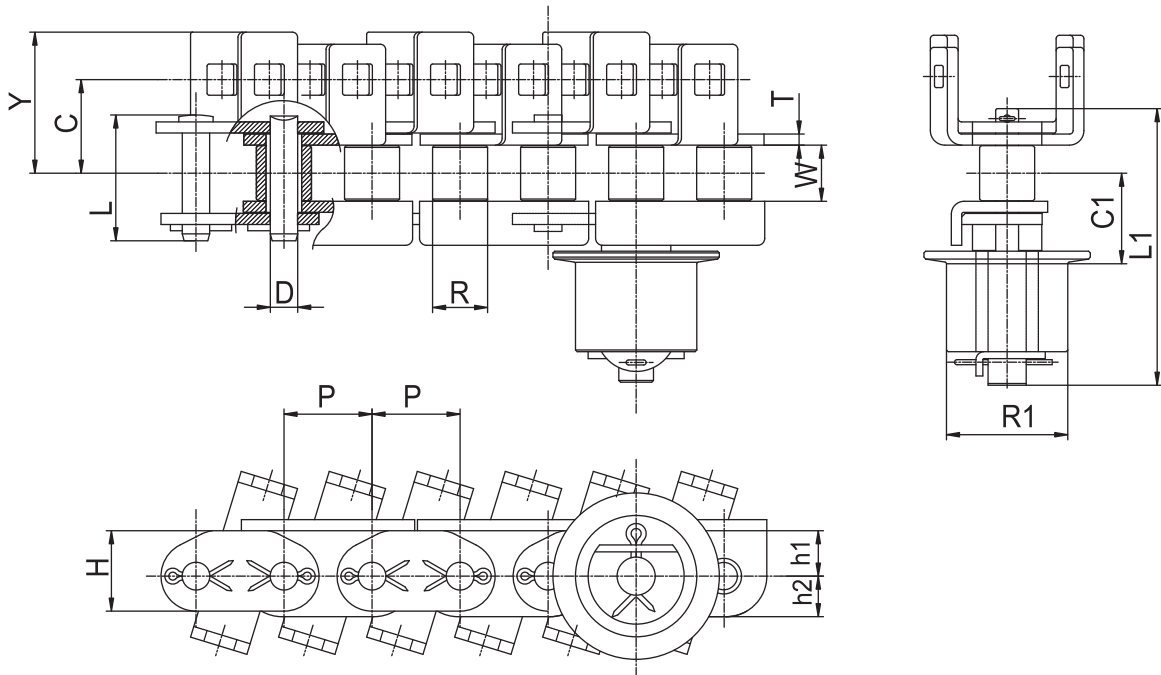
DONG BO Chain No.	Type	Pitch P	Roller Dia R	Inner Width W	Breaking Load (kgf)	Weight (kg/m)
DBC C-8T	C	68.4	32	21	8,300	
DBC C-10T					10,000	
DBC C-13T				13,000		
DBC C-16S				16,000		
DBC I-6	H	67.73	28	15.7	6,000	3.40
DBC I-9				25.4	9,000	5.17
DBC I-14				25.4	14,000	5.17
DBC F-9		67.6		25.4	9,000	5.18
DBC F-14				20.6	14,000	5.18
DBC G-9				20.6	9,000	4.00
DBC 38-N	N	81.28	31.75	31.4	127,000	9.01
DBC 38-NH					20,400	
DBC 32	A	135.467	76.5	22.5	12,300	
DBC 40						
DBC 48						
DBC 32-S		50.8				
DBC 48-S						

Wicket Chain 위켓트 체인



Dong Bo Wicket Chain is a no back bend type chain that is used for effective conveyance of printed thin steel plates. As a part of steel can manufacturing, it is attached in two parallel rows to the drying duct for the continuous drying process of printed thin steel plates. One of its characteristics is that special carbon bush is used for side rollers.

동보 위켓트체인은 제관 공정중의 일부인, 인쇄된 제관용 금속판의 연속 건조를 위한 건조로에 2열로 나란히 장착되어 금속판의 효율적 이송에 사용되어지는 NO BACK BEND TYPE의 체인이며, 특히 사이드 로울러에는 특수 카본 부쉬가 사용됨이 특징입니다.



unit : mm

DONG BO Chain No.	Pitch P	Roller Dia R	Side Roller Dia R	Inner Width W	Plate				Pin			Attachment		
					T	H	h1	h2	D	L	L1	C	C1	Y
DBCWK80	25.4	15.88	35.0	15.88	3.2	23.3	13.1	11.7	7.94	35.8	79.8	27.0	25.7	40.7

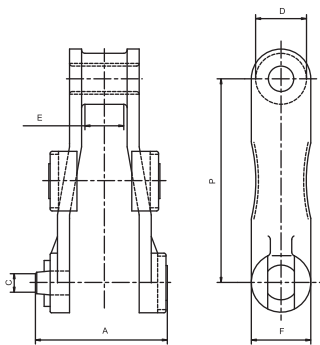
Chains for Water Industry / Sewage Treatment

수처리 장치용 체인

700 Class pintle chain 700 클래스 핀틀 체인



The 700-class Pintle Chain can withstand corrosion and rust, thereby making it possible for usages in salt water and under polluted waters. It is a conveyor chain for environment purposes such as collectors at sewage treatment facilities. Its long and strong pitches, along with wide bottom surface are designed to withstand abrasion and corrosion. In addition, in order to attach large scrapers or buckets, strong attachments are provided. The 710 series chains are adequate for Batcher Plants on the ground for conveying sand, gravel with capabilities to withstand harsh abrasion.



700클래스 핀틀 체인은 부식이나 녹에 강하고 해수나 기타 오염된 수중에서 사용할 수 있는 것이 특징입니다. 오수처리 침전지의 컬렉터 등 악조건용 컨베이어 체인으로서는 특히 내마모성과 내부식성에 적합하도록 설계된 것으로서, 피치가 길고 강력하며 저면을 넓게 해서 마모에 견딜 수 있는 구조로 되어 있습니다. 또한 대형의 스크레이퍼(Scraper)나 버킷(Bucket)을 부착하기 위하여 어태치먼트도 강인하게 되어 있습니다. 710시리즈는 육상에서의 배처플랜트(Batcher Plant)에 적합한 체인이며 과격한 마모에서 견딜 수 있는 성능을 가지고 있습니다.

unit : mm

DONG BO Chain No.	Pitch		Dimensions					Avg. Breaking Load (kgf)	Max. Allowable Load (kgf)	Weight (kg/m)
	mm	in	A	C	D	E	F			
DBC 710	119.6	4.71	143	17.5	28.6	60	35	12,500	1,900	9.4
DBC 720	152.4	6.00	90	17.5	35	27	38	12,500	1,610	7.4
DBC 720S	152.4	6.00	98	19.1	36.5	27	40	17,000	1,840	7.8
DBC 730	152.4	6.00	97	19.1	38.1	27	45	19,000	1,950	9

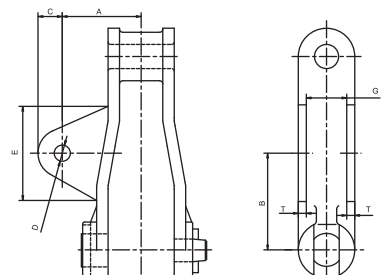
Available Attachment 어태치먼트 일람표

DONG BO Chain No.	A-21	A-42	A-53	AD-474	AM-116	F-2	F-3(SF-4)	F-226	F-228	K-2	M-1
DBC 710										○	
DBC 720				○		○	○	○	○		○
DBC 720S	○		○	○	○	○	○	○	○		○
DBC 730		○	○		○	○	○	○	○	○	○

* ○ = available

A-53 Attachment

DONG BO Chain NO.	Dimensions							Approx Weight (kg/m)
	A	B	C	D	E	G	T	
DBC 720S	62	76	19.1	12.7	76	24	6.3	7.74
DBC 730	49	76	19.1	12.7	76	28	6.3	9.38



A-53 Attachment

Chains for Water Industry / Sewage Treatment 수처리 장치용 체인

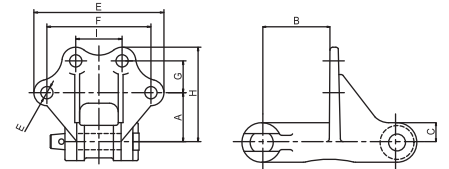
700 Class pintle chain 700 클래스 핀틀 체인



F-2 Attachment

DONG BO		Dimensions									Weight
Chain No.		A	B	C	D	E	F	G	H	I	(kg/m)
DBC	720	50.8	76	19.1	12.7	135	54	33	98	33	9.7
	720S	50.8	76	19.8	12.7	135	54	33	98	33	11.5
	730	50.8	76	22.2	12.7	135	54	33	98	33	12.9

unit : mm

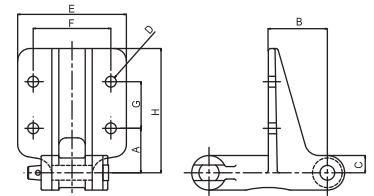


F-2

F-3 Attachment

DONG BO		Dimensions								Weight
Chain No.		A	B	C	D	E	F	G	H	(kg/m)
DBC	720	60	76	19.1	12.7	138	100	60	140	15.7
	720S	60	76	19.8	12.7	125	95	64	139	16
	730	60	76	22.2	12.7	130	95	64	152	20

unit : mm



F-3, F-226, F-228

F-226 Attachment

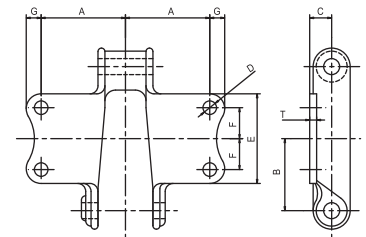
DONG BO		Dimensions								Weight
Chain No.		A	B	C	D	E	F	G	H	(kg/m)
DBC	720	60	76	19.1	12.7	130	95	67	152	16.7
	720S	60	76	19.8	12.7	130	95	67	152	17.1
	730	60	76	22.2	12.7	130	95	67	152	20.5

unit : mm

F-228 Attachment

DONG BO		Dimensions								Weight
Chain No.		A	B	C	D	E	F	G	H	(kg/m)
DBC	720	60	76	19.1	12.7	127	95	114	197	19.4
	720S	60	76	19.8	12.7	127	95	114	203	20.1
	730	60	76	22.2	12.7	127	95	114	203	23.1

unit : mm



K-2

K-2 Attachment

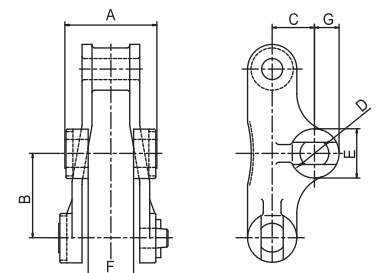
DONG BO		Dimensions								Weight
Chain No.		A	B	C	D	E	F	G	H	(kg/m)
DBC	710	79	60	20.6	19.1	84	29	14	6.3	12.1
	730	76	76	25.4	12.7	102	33	18	7.9	12.8

unit : mm

M-1 Attachment

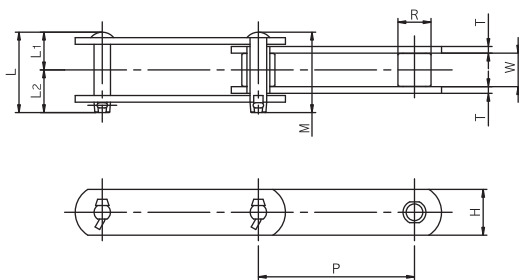
DONG BO		Dimensions							Weight
Chain No.		A	B	C	D	E	F	G	(kg/m)
DBC	720	76	76	38.1	19.1	38.1	38.1	19.1	9
	720S	76	76	38.1	19.1	38.1	38.1	19.1	10
	730	76	76	41.3	19.1	38.1	38.1	19.1	11.6

unit : mm



M-1

DAS Steel Chain



This chain is designed specially for water treatment facilities.

Unlike standard type chains, they are manufactured with special alloy steel to sustain strength and withstand from corrosion and abrasion.

The pin and bush for the DAS chain used in automatic dust remover are manufactured with 400-class stainless steel to increase its ability to withstand from corrosion and abrasion.

수처리장치용으로 특별히 설계된 체인입니다.

일반표준형 체인과는 달리 강도 및 내부식·내마모성을 개선하기 위하여 특수합금강으로 제조합니다.

자동제진기에 사용하는 DAS 체인의 핀과 부쉬는 내부식·내마모성을 한층 더 증진시키기 위하여 400클래스 스테인레스강을 사용합니다.

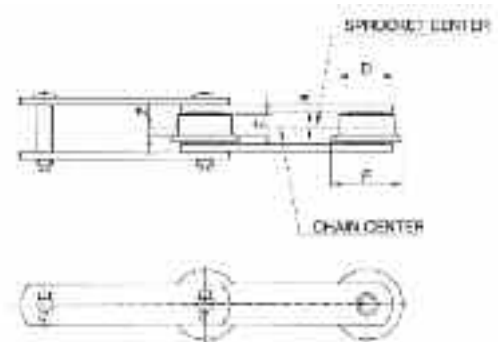
unit : mm

DONG BO Chain No.		Pitch P	Roller R			Inner Width W	Plate		Pin				Avg. Breaking Load(kgf)	Guaranteed Breaking Load(kgf)	Weight of Roller (kg/m)			
Standard Designation	Chain No.		Roller Type	S-R/O	F-R/O		R-R/O	T	H	D	L ₁	L ₂			L	S-R/O	R-R/O	F-R/O
DBC	DAS 15215	S-F-R	152.4	25.4	50.8	50.8	30.2	6.3	38.1	11.05	31.0	38.0	69.0	15,000	13,500	6.0	7.8	8.0
	DAS 15219	S-F-R	152.4	29.0	50.8	50.8	30.2	6.3	38.1	14.18	32.8	40.5	73.3	19,000	17,100	6.6	7.8	8.0
	DAS 15228	S-F-R	152.4	34.9	65.0	65.0	37.1	7.9	44.5	15.80	40.0	47.5	87.5	28,000	25,500	9.3	12.0	13.0
	DAS 15235	S-F-R	152.4	39.7	70.0	70.0	37.1	9.5	50.8	18.94	44.5	53.0	97.5	38,000	35,000	12.6	17.1	18.1
	DAS 15248	S	152.4	44.5	-	-	57.2	9.5	63.5	22.11	55.3	64.3	119.6	52,000	47,000	17.8	-	-

* R/O=Roller

unit : mm

DONG BO Chain No.		D	F	e	Z	E
DBC	DAS 15215	50.8	65	3	7	20
	DAS 15219	50.8	65	3	7	20
	DAS 15228	65.0	85	4	8	24
	DAS 15235	70.0	85	3.5	9	25



Available Attachment 어태치먼트 일람표

DONG BO Chain No.	D-22	T-1	A-2
DAS 15215		○	○
DAS 15219	○	○	○
DBC DAS 15228	○	○	○
DAS 15235	○	○	○
DAS 15248		○	

Chain for Water Industry / Sewage Treatment

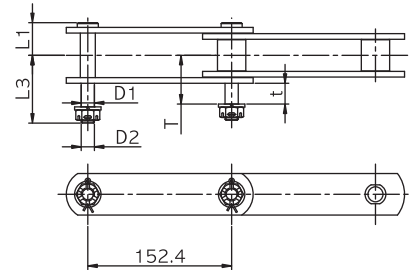
수처리 장치용 체인

DAS Steel Chain

D-22 Attachment

DONG BO Chain No.		Dimensions						Weight (kg/each)
		L ₁	L ₃	D ₁	D ₂	l	t	
DBC	DAS 15219	32.8	59.0	13.5	M12	44.3	16	0.12
	DAS 15228	40.0	68.0	15.5	M14	51.1	16	0.13
	DAS 15235	44.5	74.0	18.0	M16	54.4	16	0.19

unit : mm

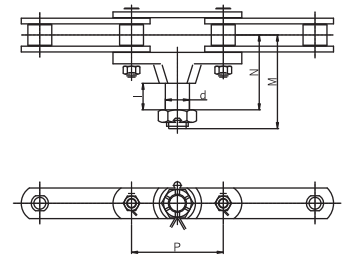


D-22 Attachment

T-1 Attachment

DONG BO Chain No.		Pitch P	Dimension				Weight (kg/each)
		P	M	N	d	φ	
DBC	DAS 15215	152.4	108	80	25	30	1.2
	DAS 15219	152.4	108	85	30	35	1.4
	DAS 15228	152.4	149	122	40	44	2.8
	DAS 15235	152.4	151	124	40	44	3.4
	DAS 15248	152.4	184	145	50	50	5.1

unit : mm

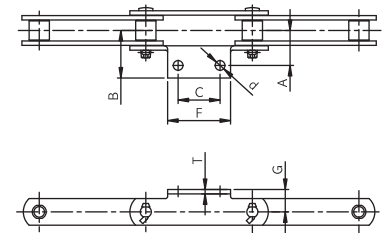


T-1 Attachment

A-2 Attachment

DONG BO Chain No.		Pitch P	Dimension						Weight (kg/each)	
		P	A	B	C	F	G	d		T
DBC	DAS 15215	152.4	50	66	60	90	32	14	6.3	0.25
	DAS 15219	152.4	50	66	60	90	32	14	6.3	0.25
	DAS 15228	152.4	60	81	60	100	38	18	7.9	0.40
	DAS 15235	152.4	65	86	60	100	45	18	9.5	0.55

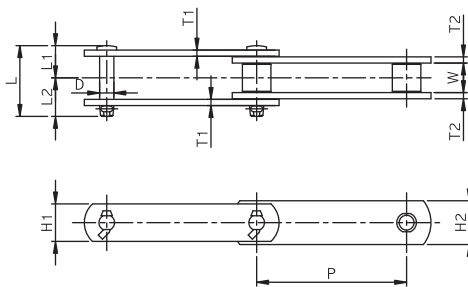
unit : mm



A-2 Attachment



DSS Stainless Steel Chain



All components are manufactured with carefully selected stainless steel through the precision press procedure.

This chain is designed with high precision and has light weight. It maintains sufficient ultimate tensile strength and has excellent capabilities to withstand from corrosion and abrasion.

SF-4 attachments are placed on Sludge Collector Flights, D-22 attachments on Grit Collector Bucket Elevators, and A-2 attachments on Dust Collector Rakes.

각 부품의 재질은 모두 엄선된 스테인레스 강재로 정밀 프레스가공하여 제조합니다.

정밀도가 높고 특히 경량으로 설계된 것이나 충분한 파단강도를 유지하고 있고 특유의 내식성을 발휘함은 물론 내마모성이 탁월합니다.

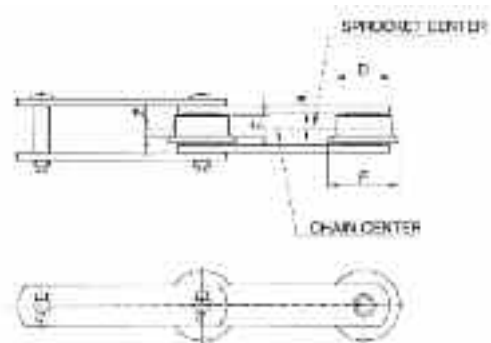
슬러지컬렉터(Sludge Collector)용의 플라이트(Flight)에는 SF-4 어태치먼트, 그리트컬렉터(Grit Collector)용의 버킷 엘리베이터(Bucket Elevator)에는 D-22 어태치먼트, 더스트 컬렉터 (Dust Collector)용의 레이크(Rake)에는 A-2 어태치먼트를 각각 취부합니다.

unit : mm

DONG BO Chain No.		Pitch P	Roller Dimensions R			Inner Width W	Pin Link Plate		Bushing Link Plate		Pin				Avg. Breaking load (kgf)	Guarnted Breaking load (kgf)	Weight of roller (kgf)			
Standard Designation	Chain No.		Roller Type	Bushed Type	S-Roller Type		F-Roller Type	T ₁	H ₁	T ₂	H ₂	D	L ₁	L ₂			L	Bushed Type	S-Roller Type	F-Roller Type
DBC	DSS 15215	B-S-F	152.4	24	29	48	26	5	36	6	38	13.5	29	33	62	15,000	13,500	4.2	4.6	7.3
	DSS 15219	B-S-F	152.4	26	32	50	30	6	38	6	44	14.5	32	40	72	19,000	17,500	5.8	6.7	8.5
	DSS 15225	B-S-F	152.4	30	36	58	34	6	44	7	54	15.3	36	44	80	25,000	23,000	6.9	7.7	11.5
	DSS 15235	B-S-F	152.4	36	32	70	38	7	54	7	60	18.9	40	48	88	35,000	32,000	10.3	11.7	16.4

unit : mm

DONG BO Chain No.		D	F	e	Z	E
DBC	DSS 15215	48	60	2.25	5.75	16
	DSS 15219	50	65	3.00	7.00	20
	DSS 15228	58	75	3.00	9.00	24
	DSS 15235	70	90	4.00	8.50	25



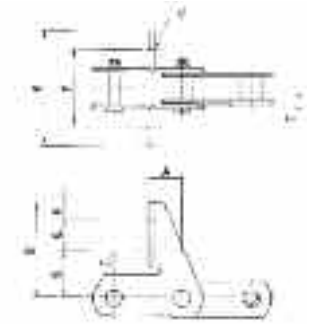
Available Attachment 어태치먼트 일람표

DONG BO Chain No.		SF-4	A-2	D-22
DBC	DSS 15215	○	○	○
	DSS 15219	○	○	○
	DSS 15225	○	○	○
	DSS 15235	○	○	○

Chains for Water Industry / Sewage Treatment 수처리 장치용 체인

DSS Stainless Steel Chain

SF-4 Attachment

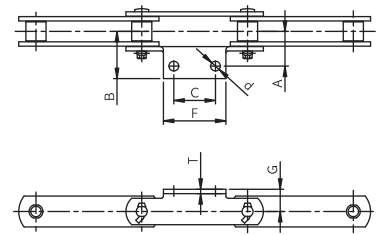


SF-4 Attachment

unit : mm

DONG BO		Dimensions										Add. Weight per Attachment (kg/each)
Chain No.		A	B	C	E	F	G	K	S	T	d	
DBC	DSS 15215	76	140	38	140	100	60	20	22	5	14	1.0
	DSS 15219	76	157.5	40	140	100	75	20	22.5	6	14	1.3
	DSS 15219	76	142.5	40	150	112	60	20	22.5	6	14	1.4
	DSS 15219	76	155	32	140	100	65	20	38.0	6	14	1.45
	DSS 15225	76	162	40	140	100	75	20	27	6	18	1.6
	DSS 15235	76	175	40	150	110	76	25	35	7	18	1.9

A-2 Attachment

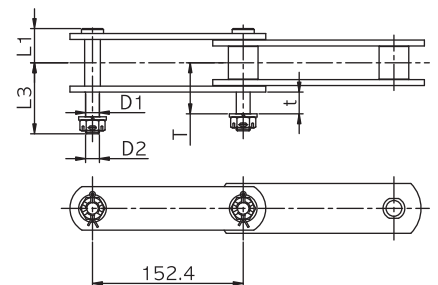


A-2 Attachment

unit : mm

DONG BO		Dimensions							Add. Weight per Attachment (kg/each)
Chain No.		A	B	C	F	G	d	T	
DBC	DSS 15215	45	60	60	90	30	14	5	0.16
	DSS 15219	50	65	60	90	32	14	6	0.21
	DSS 15225	55	75	60	100	35	18	6	0.27
	DSS 15235	65	90	60	100	42	18	7	0.39

D-22 Attachment



D-22 Attachment

unit : mm

DONG BO		Dimensions						Add. Weight per Attachment (kg/each)
Chain No.		L ₁	L ₃	D ₁	D ₂	l	t	
DBC	DSS 15215	29	51	13	M12	37	12	0.11
	DSS 15219	32	58	14	M12	44	16	0.12
	DSS 15225	36	64	15	M14	47	16	0.13
	DSS 15235	40	72	18	M16	53	19	0.19

PART 7.



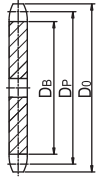
Sprocket
스프라켓

Sprocket for Standard Roller Chain

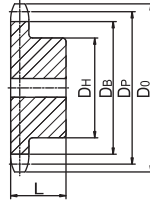
표준형 로울러 체인의 스프라켓

DBC 25

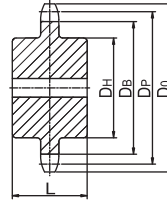
Type - A



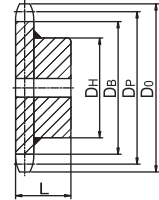
Type - B



Type - C



Type - BW



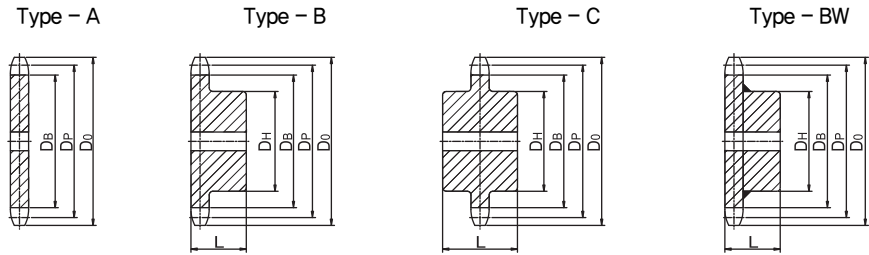
No hub extension One-side hub extension Two-side hub extension Hub Detachable Type
 평판형 한쪽 보스형 양쪽보스형 보스분리형

unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질
				Dia D _h	Length L						Dia D _h	Thickness L	
잇수	외경	피치원지름	이뿌리원지름	지름	길이		잇수	외경	피치원지름	이뿌리원지름	지름	길이	
10	24	20.55	17.25	14	15		50	105	101.13	97.83	50	20	
11	25	22.54	19.24	15	15		51	107	103.15	99.85			
12	28	24.53	21.23	15	15		52	109	105.17	101.87			
13	30	26.53	23.33	20	15		53	111	107.19	103.89			
14	32	28.54	25.24	20	15		54	113	109.21	105.91	50	20	
15	34	30.54	27.24	20	15		55	115	111.23	107.93			
16	36	32.55	29.25	25	15		56	117	113.25	109.95			
17	38	34.56	31.26	25	15		57	119	115.27	111.97			
18	40	36.57	33.27	25	15		58	121	117.29	113.99			
19	42	38.58	35.28	28	15		59	123	119.31	116.01			
20	44	40.59	37.29	28	15		60	125	121.33	118.03	50	20	
21	46	42.61	39.31	28	15		61	127	123.35	120.05			
22	48	44.62	41.32	30	15		62	129	125.37	122.07			
23	50	46.63	43.33	30	15		63	131	127.39	124.09			
24	52	48.65	45.35	30	15		64	133	129.41	126.11			
25	54	50.66	47.36	35	15		65	135	131.43	128.13	50	30	
26	56	52.68	49.38	35	15		66	137	133.45	130.15			
27	58	54.70	51.40	35	15	S45C	67	139	135.47	132.17			S45C
28	60	56.71	53.41	35	15		68	141	137.50	134.20			
29	62	58.73	55.43	35	15		69	143	139.52	136.22			
30	64	60.75	57.45	35	15		70	145	141.54	138.24	50	30	
31	66	62.77	59.47	40	20		71	147	143.56	140.26			
32	68	64.78	61.48	40	20		72	149	145.58	142.28			
33	70	66.80	63.50	40	20		73	151	147.60	144.30			
34	72	68.82	65.52	40	20		74	153	149.62	146.32			
35	74	70.84	67.54	40	20		75	155	151.64	148.34	50	30	
36	76	72.86	69.56	40	20		76	157	153.66	150.36			
37	78	74.88	71.58	40	20		77	159	155.68	152.38			
38	80	76.90	73.60	40	20		78	161	157.70	154.40			
39	82	78.91	75.61	40	20		79	163	159.72	156.42			
40	84	80.93	77.63	40	20		80	165	161.74	158.44	50	30	
41	87	82.95	79.65	50	20		81	167	163.76	160.46			
42	89	84.97	81.67	50	20		82	169	165.78	162.48			
43	91	86.99	83.69	50	20		83	171	167.81	164.51			
44	93	89.01	85.71	50	20		84	174	169.83	166.53			
45	95	91.03	87.73	50	20		85	176	171.85	168.55			
46	97	93.05	89.75	50	20		86	178	173.87	170.57			
47	99	95.07	91.77	50	20		87	180	175.89	172.59			
48	101	97.09	93.79	50	20		88	182	177.91	174.61			
49	103	99.41	95.81	50	20		90	186	181.95	178.65			

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.
 주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키어의 면압에 관해서도 같은 식으로 체크 바랍니다.
 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

DBC 35



No hub extension One-side hub extension Two-side hub extension Hub Detachable Type
 평판형 한쪽 보스형 양쪽보스형 보스분리형

unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	
				Dia D _H	Length L						Dia D _H	Thickness L		
잇수	외경	피치원지름	이뿌리원지름	지름	길이		잇수	외경	피치원지름	이뿌리원지름	지름	길이		
10	35	30.84	25.78	20	20	S45C	50	157	151.70	146.62	65	40	SS41	
11	38	33.81	28.73	20	20		51	160	154.73	149.65				
12	41	36.80	31.72	27	20		52	163	157.75	152.67	65	40		
13	44	39.80	34.72	27	20		53	166	160.78	155.70				
14	47	42.81	37.73	32	20		54	169	163.81	158.73	65	40		
15	51	45.81	40.73	34	20		55	172	166.85	161.77	65	40		
16	54	48.82	43.74	37	20		56	175	169.88	164.80				
17	57	51.84	46.76	40	20		57	178	172.91	167.83				
18	60	54.85	49.77	43	20		58	181	175.94	170.86				
19	63	57.87	52.79	46	20		59	184	178.97	173.89				
20	66	60.89	55.81	49	20		60	187	182.00	176.92	65	40		
21	69	63.91	58.83	50	20		61	190	185.03	179.95				
22	72	66.93	61.85	56	20		62	194	188.06	182.98				
23	75	69.95	64.87	60	20		63	197	191.09	186.01				
24	78	72.97	67.89	60	25		64	200	194.12	189.04				
25	81	76.00	70.92	60	25		65	203	197.15	192.07	70	50		
26	84	79.02	73.94	60	25		66	206	200.18	195.10				
27	87	82.05	76.97	60	25		67	209	203.21	198.13				
28	90	85.07	79.99	60	25		68	212	206.24	201.16				
29	93	88.10	83.02	60	25		69	215	209.27	204.19				
30	96	91.12	86.04	60	25	70	218	212.30	207.22	70	50			
31	99	94.15	89.07	60	25	71	221	215.34	210.26					
32	102	97.18	92.10	60	25	72	224	218.37	213.29					
33	105	100.20	95.12	60	25	73	227	221.40	216.32					
34	109	103.23	98.15	60	25	74	230	224.43	219.35					
35	112	106.26	101.18	60	25	75	233	227.46	222.38	70	50			
36	115	109.29	104.21	55	30	76	236	230.49	225.41					
37	118	112.31	107.23	55	35	77	239	233.52	228.44					
38	121	115.34	110.26	55	35	78	242	236.55	231.47					
39	124	118.37	113.29	55	35	79	245	239.58	234.50					
40	127	121.40	116.32	55	35	80	248	242.61	237.53	70	50			
41	130	124.43	119.35	60	35	81	251	245.65	240.57					
42	133	127.46	122.38	60	35	82	254	248.68	243.60					
43	136	130.49	125.41	60	35	83	257	251.71	246.63					
44	139	133.52	128.44	60	35	84	260	254.74	249.66					
45	142	136.55	131.47	60	40	85	263	257.77	252.69					
46	145	139.58	134.50	60	40	86	266	260.80	255.72					
47	148	142.61	137.53	60	40	87	269	263.83	258.75					
48	151	145.64	140.56	65	40	88	272	266.86	261.78					
49	154	148.67	143.59	65	40	90	278	272.93	267.85					

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

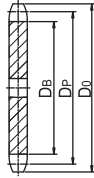
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키이의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

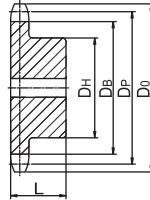
표준형 로울러 체인의 스프라켓

DBC 40

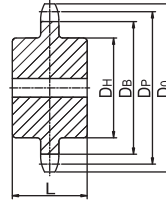
Type - A



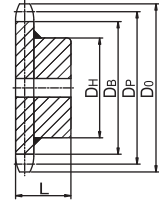
Type - B



Type - C



Type - BW



No hub extension
평판형

One-side hub extension
한쪽 보스형

Two-side hub extension
양쪽보스형

Hub Detachable Type
보스분리형

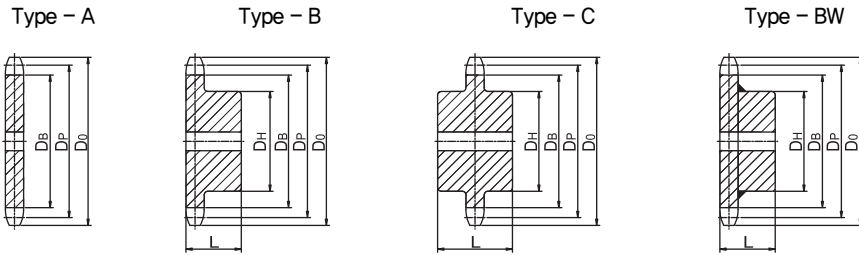
unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질
				Dia D _H	Length L						Dia D _H	Thickness L	
잇수	외경	피치원지름	이뿌리원지름	지름	길이		잇수	외경	피치원지름	이뿌리원지름	지름	길이	
10	46	41.10	33.16	28	25	S45C	50	209	202.26	194.32	68	35	SS41
11	51	45.08	37.14	30	25		51	214	206.30	198.36	68	35	
12	55	49.07	41.13	34	25		52	218	210.34	202.40	68	35	
13	59	53.07	45.13	38	25		53	222	214.38	206.44	68	35	
14	63	57.07	49.13	42	25		54	226	218.42	210.48	68	35	
15	67	61.08	53.14	46	25		55	230	222.46	214.52	68	35	
16	71	65.10	57.16	50	25		56	234	226.50	218.56	68	35	
17	76	69.12	61.18	54	30		57	238	230.54	222.60	68	35	
18	80	73.14	65.20	54	30		58	242	234.58	226.64	68	35	
19	84	77.16	69.22	54	30		59	246	238.62	230.68	68	35	
20	88	81.18	73.24	56	40		60	250	242.66	234.72	68	35	
21	92	85.21	77.27	56	40		61	254	246.70	238.76	68	35	
22	96	89.24	81.30	56	40		62	258	250.74	242.80	68	35	
23	100	93.27	85.33	56	40		63	262	254.78	246.84	68	35	
24	104	97.30	89.36	56	40		64	266	258.83	250.89	68	35	
25	108	101.33	93.39	56	40		65	270	262.87	254.93	68	35	
26	112	105.36	97.42	56	40		66	274	266.91	258.97	68	35	
27	116	109.40	101.46	65	40		67	278	270.95	263.01	68	35	
28	120	113.43	105.49	65	40		68	282	274.99	267.05	68	35	
29	124	117.46	109.52	65	40		69	286	279.03	271.09	68	35	
30	128	121.50	113.56	65	40	70	290	283.07	275.13	73	40		
31	133	125.53	117.59	65	40	71	294	287.11	279.17				
32	137	129.57	121.63	65	40	72	299	291.16	283.22				
33	141	133.61	125.67	65	40	73	303	295.20	287.26				
34	145	137.64	129.70	65	40	74	307	299.24	291.30				
35	149	141.68	133.74	65	40	75	311	303.28	295.34	73	40		
36	153	145.72	137.78	68	35	76	315	307.32	299.38				
37	157	149.75	141.81	68	35	77	319	311.36	303.42				
38	161	153.79	145.85	68	35	78	323	315.40	307.46				
39	165	157.83	149.89	68	35	79	327	319.44	311.50				
40	169	161.87	153.93	68	35	80	331	323.49	315.55	73	40		
41	173	165.91	157.97	68	35	81	335	327.53	319.59				
42	177	169.95	162.01	68	35	82	339	331.57	323.63				
43	181	173.98	166.04	68	35	83	343	335.61	327.67				
44	185	178.02	170.08	68	35	84	347	339.65	331.71				
45	189	182.06	174.12	68	35	85	351	343.69	335.75	73	40		
46	193	186.10	178.16	68	35	86	355	347.73	339.79				
47	197	190.14	182.20	68	35	87	359	351.78	343.84				
48	201	194.18	186.24	68	35	88	363	355.82	347.88				
49	205	198.22	190.28	68	35	90	371	363.90	355.96	73	40		

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다.
2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

DBC 50



No hub extension One-side hub extension Two-side hub extension Hub Detachable Type
 평판형 한쪽 보스형 양쪽보스형 보스분리형

unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	
				Dia D _H 지름	Length L 길이						Dia D _H 지름	Thickness L 길이		
10	58	51.38	41.22	35	25	S45C	50	262	252.83	242.67	73	40	SS41	
11	63	56.35	46.19	37	25		51	267	257.88	247.72	73	40		
12	68	61.34	51.18	43	25		52	272	262.92	252.76	73	40		
13	73	66.34	56.18	48	30		53	277	267.97	257.81	73	40		
14	79	71.34	61.18	53	30		54	282	273.02	262.86	73	40		
15	84	76.35	66.19	58	30		55	287	278.08	267.92	73	40		
16	89	81.37	71.21	63	30		56	292	283.13	272.97	73	40		
17	94	86.39	76.23	65	40		57	297	288.18	278.02	73	40		
18	99	91.42	81.26	65	40		58	302	293.23	283.07	73	40		
19	104	96.45	86.29	65	40		59	307	298.28	288.12	73	40		
20	109	101.48	91.32	70	45		60	312	303.33	293.17	73	40		
21	114	106.51	96.35	70	45		61	318	308.38	299.22				
22	119	111.55	101.39	70	45		62	323	313.43	303.27				
23	124	116.58	106.42	70	45		63	328	318.48	308.32				
24	129	121.62	111.46	70	45		64	333	323.53	313.37				
25	134	126.66	116.50	70	45		65	338	328.58	318.42	73	40		
26	139	131.70	121.54	70	45		66	343	333.64	323.48				
27	144	136.74	126.58	70	45		67	348	338.69	328.53				
28	149	141.79	131.63	70	45		68	353	343.74	333.58				
29	154	146.83	136.67	70	45		69	358	348.79	338.63				
30	160	151.87	141.71	70	45	70	363	353.84	343.68	93	45			
31	165	156.92	146.76	70	45	71	368	358.89	348.73					
32	170	161.96	151.80	70	45	72	373	363.94	353.78					
33	175	167.01	156.85	70	45	73	378	369.00	358.84					
34	180	172.05	161.89	70	45	74	383	374.05	363.89					
35	185	177.10	166.94	70	45	75	388	379.10	368.94	93	45			
36	191	182.14	171.98	73	40	76	393	384.15	373.99					
37	196	187.19	177.03	73	40	77	398	389.20	379.04					
38	201	192.24	182.08	73	40	78	403	394.25	384.09					
39	206	197.29	187.13	73	40	79	409	399.31	389.15					
40	211	202.33	192.17	73	40	80	414	404.36	394.20	93	45			
41	216	207.38	197.22	73	40	81	419	409.41	399.25					
42	221	212.43	202.27	73	40	82	424	414.46	404.30					
43	226	217.48	207.32	73	40	83	429	419.51	409.35					
44	231	222.53	212.37	73	40	84	434	424.57	414.41					
45	237	227.58	217.42	73	40	85	439	429.62	419.46	93	45			
46	242	232.63	222.47	73	40	86	444	434.67	424.51					
47	247	237.68	227.52	73	40	87	449	439.72	429.56					
48	252	242.73	232.57	73	40	88	454	444.77	434.61					
49	257	247.78	237.62	73	40	90	465	454.88	444.72	93	45			

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

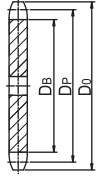
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

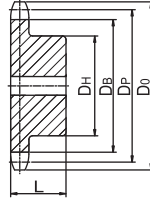
표준형 로울러 체인의 스프라켓

DBC 60

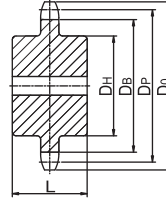
Type - A



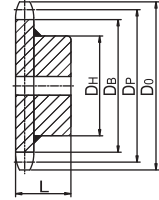
Type - B



Type - C



Type - BW



No hub extension
평판형

One-side hub extension
한쪽 보스형

Two-side hub extension
양쪽보스형

Hub Detachable Type
보스분리형

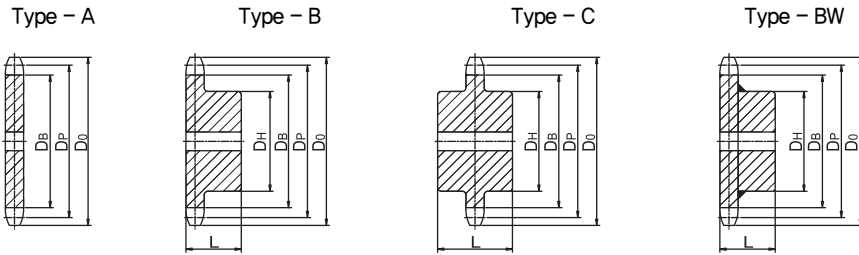
unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	
				Dia D _h	Length L						Dia D _h	Thickness L		
잇수	외경	피치원지름	이뿌리원지름	지름	길이		잇수	외경	피치원지름	이뿌리원지름	지름	길이		
10	70	61.65	49.74	39	40	S45C	50	314	303.39	291.48	83	50	SS41	
11	76	67.62	55.71	45	40		51	320	309.45	297.54	83	50		
12	83	73.60	61.69	51	40		52	326	315.51	303.60	83	50		
13	89	79.60	67.69	56	40		53	332	321.57	309.66	83	50		
14	95	85.61	73.70	56	40		54	338	327.63	315.72	83	50		
15	101	91.62	79.71	56	40		55	345	333.69	321.78	83	50		
16	107	97.65	85.74	56	40		56	351	339.75	327.84	83	50		
17	113	103.67	91.76	70	40		57	357	345.81	333.90	83	50		
18	119	109.71	97.80	70	40		58	363	351.87	339.96	83	50		
19	126	115.74	103.83	70	40		59	369	357.93	346.02	83	50		
20	132	121.78	109.87	80	45		60	375	363.99	352.08	83	50		
21	138	127.82	115.91	80	45		61	381	370.06	358.15	83	50		SS41
22	144	133.86	121.95	80	45		62	387	376.12	364.21				
23	150	139.90	127.99	80	45		63	393	382.18	370.27				
24	156	145.95	134.04	80	45		64	399	388.24	376.33				
25	162	151.99	140.08	80	45		65	405	394.30	382.39				
26	168	158.04	146.13	80	45		66	411	400.36	388.45				
27	174	164.09	152.18	80	45		67	417	406.42	394.51				
28	180	170.14	158.23	85	50		68	423	412.49	400.58				
29	187	176.20	164.29	85	50		69	430	418.55	406.64				
30	193	182.25	170.34	85	50	70	436	424.61	412.70					
31	199	188.30	176.39	85	50	71	442	430.67	418.76	108	70	SS41		
32	205	194.35	182.44	85	50	72	448	436.73	424.82					
33	211	200.41	188.50	85	50	73	454	442.79	430.88					
34	217	206.46	194.55	85	50	74	460	448.86	436.95					
35	223	212.52	200.61	85	50	75	466	454.92	443.01					
36	229	218.57	206.66	83	50	76	472	460.98	449.07					
37	235	224.63	212.72	83	50	77	478	467.04	455.13					
38	241	230.69	218.78	83	50	78	484	473.10	461.19					
39	247	236.74	224.83	83	50	79	490	479.17	467.26					
40	253	242.80	230.89	83	50	80	496	485.23	473.32					
41	260	248.86	236.95	83	50	81	502	491.29	479.38	108	70	SS41		
42	266	254.92	243.01	83	50	82	508	497.35	485.44					
43	272	260.98	249.07	83	50	83	514	503.42	491.51					
44	278	267.03	255.12	83	50	84	521	509.48	497.57					
45	284	273.09	261.18	83	50	85	527	515.54	503.63					
46	290	279.15	267.24	83	50	86	533	521.60	509.69					
47	296	285.21	273.30	83	50	87	539	527.67	515.76					
48	302	291.27	279.36	83	50	88	545	533.73	521.82					
49	308	297.33	285.42	83	50	90	557	545.85	533.94					

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

DBC 80



No hub extension One-side hub extension Two-side hub extension Hub Detachable Type
 평판형 한쪽 보스형 양쪽보스형 보스분리형

unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질
				Dia D _H 지름	Length L 길이						Dia D _H 지름	Thickness L 길이	
10	93	82.19	66.31	55	50	S45C	50	419	404.52	388.64	108	60	SS41
11	102	90.16	74.28	60	50		51	427	412.60	396.72	108	60	
12	110	98.14	82.26	69	50		52	435	420.68	404.80			
13	118	106.14	90.26	77	50		53	443	428.76	412.88			
14	127	114.15	98.27	80	50		54	451	436.84	420.96			
15	135	122.17	106.29	80	50		55	459	444.92	429.04			
16	143	130.20	114.32	80	50		56	468	453.00	437.12			
17	151	138.23	122.35	90	50		57	476	461.08	445.20			
18	159	146.27	130.39	90	50		58	484	469.16	453.28			
19	167	154.32	138.44	90	50		59	492	477.25	461.37			
20	176	162.37	146.69	90	50		60	500	483.33	469.45			
21	184	170.42	154.54	90	50		61	508	493.41	477.53			
22	192	178.48	162.60	93	50		62	516	501.49	485.61			
23	200	186.54	170.66	93	50		63	524	509.97	493.69			
24	208	194.60	178.72	93	50		64	532	517.65	501.77			
25	216	202.66	186.78	93	50		65	540	525.73	509.85			
26	224	210.72	194.84	93	50		66	548	533.82	517.94			
27	233	218.79	202.91	93	50		67	557	541.90	526.02			
28	241	226.86	210.98	93	50		68	565	549.98	534.10			
29	249	234.93	219.05	93	50		69	573	558.06	542.18			
30	257	243.00	227.12	93	50	70	581	566.15	550.27				
31	265	251.07	235.19	93	50	71	589	574.23	558.35				
32	273	259.14	243.26	93	50	72	597	582.31	566.43				
33	281	267.21	251.33	93	50	73	605	590.39	574.51				
34	289	275.29	259.41	93	50	74	613	598.47	582.59				
35	297	283.36	267.48	93	50	75	621	606.56	590.68				
36	306	291.43	275.55	93	50	76	629	614.64	598.76				
37	314	299.51	283.63	93	50	77	637	622.72	616.84				
38	322	307.58	291.70	93	50	78	646	630.81	614.93				
39	330	315.66	299.78	93	50	79	654	638.89	623.01				
40	338	323.74	307.86	108	60	80	662	646.97	631.09				
41	346	331.81	315.93	108	60	81	670	655.06	639.18				
42	354	339.89	324.01	108	60	82	678	663.14	647.26				
43	362	347.97	332.09	108	60	83	686	671.22	655.34				
44	370	356.04	340.16			84	694	679.31	663.43				
45	378	364.12	348.24	108	60	85	702	687.39	671.51				
46	387	372.20	356.32			86	710	695.47	679.59				
47	395	380.28	364.40			87	718	703.55	687.67				
48	403	388.36	372.48	108	60	88	726	711.64	695.76				
49	411	396.44	380.56			90	743	727.80	711.92				

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

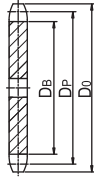
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다.
 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

표준형 로울러 체인의 스프라켓

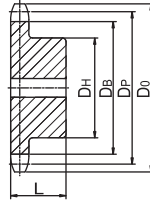
DBC 100

Type - A



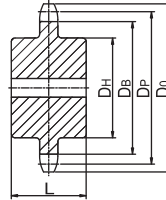
No hub extension
평판형

Type - B



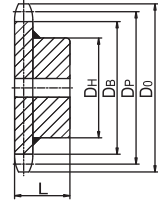
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보스분리형

unit : mm

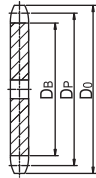
No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질
				Dia D _H	Length L						Dia D _H	Thickness L	
잇수	외경	피치원지름	이뿌리원지름	지름	길이		잇수	외경	피치원지름	이뿌리원지름	지름	길이	
10	116	102.74	83.69	65	70	S45C	50	524	505.65	486.60	117	70	
11	127	112.70	93.65	76	70		51	534	515.75	496.70			
12	138	122.67	103.62	86	70		52	544	525.85	506.80			
13	148	132.67	113.62	96	70		53	554	535.95	516.90			
14	158	142.68	123.63	100	70		54	564	546.05	527.00			
15	168	152.71	133.66	100	70		55	574	556.15	537.10			
16	179	162.74	143.69	100	70		56	584	566.25	547.20			
17	189	172.79	153.74	105	80		57	595	579.35	557.30			
18	199	182.84	163.79	105	80		58	605	586.45	567.40			
19	209	192.90	173.85	105	80		59	615	596.56	577.51			
20	220	202.96	183.91	105	80		60	625	606.66	587.61			
21	230	213.03	193.98	105	80	SS41	61	635	616.76	597.71	117	70	SS41
22	240	223.10	204.05	108	60		62	645	626.86	607.81			
23	250	233.17	214.12	108	60		63	655	636.96	617.91			
24	260	243.25	224.20	108	60		64	665	647.06	628.01			
25	270	253.32	234.27	108	60		65	675	657.17	638.12			
26	281	263.40	244.35	108	60		66	686	667.27	648.22			
27	291	273.49	254.44	108	60		67	696	677.37	658.32			
28	301	283.57	264.52	108	60		68	706	687.48	668.43			
29	311	293.66	274.61	108	60		69	716	697.58	678.53			
30	321	303.75	284.70	108	60		70	726	707.68	688.63			
31	331	313.83	294.78	117	70		71	726	717.78	698.73			
32	341	323.92	304.87	117	70	72	746	727.89	708.84				
33	352	334.01	314.96	117	70	73	756	737.99	718.94				
34	362	344.11	325.06	117	70	74	766	748.09	729.04				
35	372	354.20	335.15	117	70	75	777	758.20	739.15				
36	382	364.29	345.24	117	70	76	787	768.30	749.25				
37	392	374.38	355.33	117	70	77	797	778.41	759.36				
38	402	384.48	365.43	117	70	78	807	788.51	769.46				
39	412	394.57	375.52	117	70	79	817	798.61	779.56				
40	422	404.67	385.62	117	70	80	827	808.71	789.66				
41	433	414.77	395.72	117	70	81	837	818.82	799.77				
42	443	424.86	405.81	117	70	82	847	828.92	809.87				
43	453	434.96	415.91	117	70	83	857	839.03	819.98				
44	463	445.06	426.01	117	70	84	868	849.13	830.08				
45	473	455.16	436.11	117	70	85	878	859.23	840.18				
46	483	465.25	446.20	117	70	86	888	869.34	850.29				
47	493	475.35	456.30	117	70	87	898	879.44	860.39				
48	503	485.45	466.40	117	70	88	908	889.55	870.50				
49	514	495.55	476.50	117	70	89	928	899.65	890.70				
						90							

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

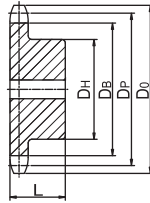
DBC 120

Type - A



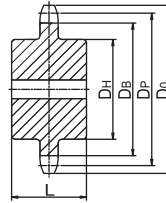
No hub extension
평판형

Type - B



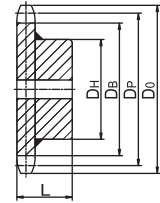
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보드분리형

unit : mm

No. of Teeth N 잇수	Outside Dia D _o 외경	Pitch Dia D _p 피치원지름	Bottom Dia D _b 이뿌리원지름	Hub 최대보스		Material 재질	No. of Teeth N 잇수	Outside Dia D _o 외경	Pitch Dia D _p 피치원지름	Bottom Dia D _b 이뿌리원지름	Hub 최대보스		Material 재질
				Dia D _H 지름	Length L 길이						Dia D _H 지름	Thickness L 길이	
10	140	123.29	101.06	80	70	S45C	50	628	606.78	584.55	137	80	SS41
11	153	135.24	113.01	90	70		51	641	618.90	596.67	137	80	
12	165	147.21	124.98	100	70		52	653	631.02	608.79			
13	177	159.20	136.97	105	70		53	665	643.14	620.91			
14	190	171.22	148.99	105	70		54	677	655.26	633.03			
15	202	183.25	161.02	105	70		55	689	667.38	645.15			
16	214	195.29	173.06	115	80		56	701	679.50	657.27			
17	227	207.35	185.12	115	80		57	713	691.63	669.40			
18	239	219.41	197.18	120	80		58	726	703.75	681.52			
19	251	231.48	209.25	120	80		59	738	715.87	693.64			
20	263	243.55	221.32	120	80		60	750	727.99	705.76			
21	276	255.63	233.40	120	80		61	762	740.11	717.88			
22	288	267.72	245.49	117	70		62	774	752.23	730.00			
23	300	279.80	257.57	117	70		63	786	764.35	742.12			
24	312	291.90	269.67	117	70		64	798	776.48	754.25	137	80	
25	324	303.99	281.76	117	70		65	811	788.60	766.37	137	80	
26	337	316.09	293.86	117	70		66	823	800.72	778.49	137	80	
27	349	328.19	305.96	117	70		67	835	812.85	790.62			
28	361	340.29	318.06	117	70		68	847	824.97	802.74			
29	373	352.39	330.16	117	70		69	859	837.10	814.87			
30	385	364.50	342.27	127	75		70	871	849.22	826.99			
31	398	376.60	354.37	127	75	SS41	71	883	861.34	839.11			
32	410	388.71	366.48				72	896	873.47	851.24			
33	422	400.82	378.59	127	75		73	908	885.59	863.36			
34	434	412.93	390.70				74	920	897.71	875.48			
35	446	425.04	402.81	127	75		75	932	909.84	887.61			
36	458	437.15	414.92	127	75		76	944	921.96	899.73			
37	470	449.26	427.03	127	75		77	956	934.09	911.86			
38	483	461.38	439.15				78	968	946.21	923.98			
39	495	473.49	451.26	137	80		79	980	958.33	936.10			
40	507	485.60	463.37				80	993	970.46	948.23			
41	519	497.72	475.49	137	80	81	1005	982.58	960.35				
42	531	509.84	487.61			82	1017	994.71	972.48				
43	543	521.95	499.72	137	80	83	1029	1006.83	984.60				
44	556	534.07	511.84			84	1034	1018.96	996.73				
45	568	546.19	523.96	137	80	85	1053	1031.08	1008.85				
46	580	558.30	536.07			86	1065	1043.20	1020.97				
47	592	570.42	548.19	137	80	87	1078	1055.33	1033.10				
48	604	582.54	560.31			88	1090	1067.46	1045.23				
49	616	594.66	572.43	89	1114	1091.71	1069.48						

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

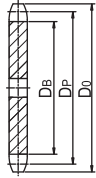
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

표준형 로울러 체인의 스프라켓

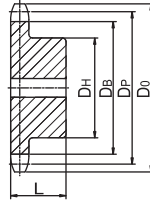
DBC 140

Type - A



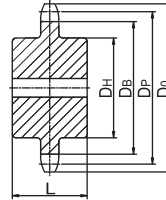
No hub extension
평판형

Type - B



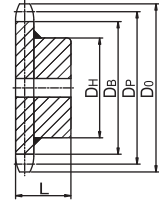
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보스분리형

unit : mm

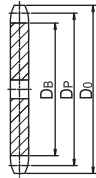
No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material 재질
				Dia D _h	Length L						Dia D _h	Thickness L	
잇수	외경	피치원지름	이뿌리원지름	지름	길이		잇수	외경	피치원지름	이뿌리원지름	지름	길이	
10	163	143.84	118.44	100	70	S45C	50	733	707.91	682.51	190	140	SS41
11	178	157.78	132.38	100	70		51	747	722.05	696.65	190	140	
12	193	171.74	146.34	105	70		52	762	736.19	710.79			
13	207	185.74	160.34	105	70		53	776	750.33	724.93			
14	221	199.76	174.36	115	80		54	790	764.47	739.07			
15	236	213.79	188.39	115	80		55	804	778.61	753.21			
16	250	227.84	202.44	120	80		56	818	792.75	767.35			
17	264	241.91	216.51	120	80		57	832	806.90	781.50			
18	279	255.98	230.58	120	80		58	847	821.04	795.64			
19	293	270.06	244.66	130	85		59	861	835.18	809.78			
20	307	284.15	258.75	130	85	60	875	849.32	823.92	190	140		
21	322	298.24	272.84	130	85	61	889	863.46	838.06	190	140		
22	336	312.34	286.94	140	100	62	903	877.61	852.21				
23	350	326.44	301.04	140	100	63	917	891.75	866.35				
24	364	340.54	315.14	140	100	64	931	905.89	880.49				
25	379	354.65	329.25	150	110	65	946	920.03	894.63				
26	393	368.77	343.37	150	110	66	960	934.18	908.78				
27	407	382.88	357.48	150	110	67	974	948.32	922.92				
28	421	397.00	371.60	150	110	68	988	962.47	937.07				
29	435	411.12	385.72	150	110	69	1002	976.61	951.21				
30	450	425.24	399.84			150	110	70	1016			990.75	965.35
31	464	439.37	413.97			150	110	71	1031	1004.90	979.50		
32	478	453.49	428.09			150	110	72	1045	1019.04	993.64		
33	492	467.62	442.22					73	1059	1033.09	1007.79		
34	506	481.75	456.35					74	1073	1047.33	1021.93		
35	521	495.88	470.48					75	1087	1061.47	1036.07		
36	535	510.01	484.61					76	1101	1075.62	1050.22		
37	549	524.14	498.74					77	1116	1089.77	1064.37		
38	563	538.27	512.87					78	1130	1103.91	1078.51		
39	577	552.40	527.00	79	1144			1118.06	1092.66				
40	591	566.54	541.14	165	120			80	1158	1132.20	1106.80		
41	606	580.67	555.27					81	1172	1146.35	1120.95		
42	620	594.81	569.41			82	1186	1160.49	1135.09				
43	634	608.94	583.54			83	1200	1174.64	1149.24				
44	648	623.08	597.68			84	1215	1188.78	1163.38				
45	662	637.22	611.82			85	1229	1202.93	1177.53				
46	676	651.35	625.95			86	1243	1217.07	1191.67				
47	691	665.49	640.09			87	1257	1231.22	1205.82				
48	705	679.63	654.23			88	1271	1245.36	1219.96				
49	719	693.37	668.37			89	1285	1259.50	1234.10				
				90	1300	1273.66	1248.26						

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

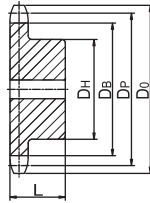
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

DBC 160

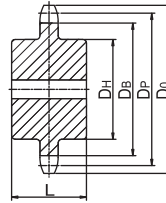
Type - A



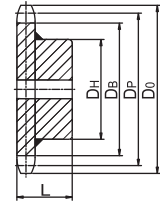
Type - B



Type - C



Type - BW



No hub extension
평판형

One-side hub extension
한쪽 보스형

Two-side hub extension
양쪽보스형

Hub Detachable Type
보스분리형

unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub 최대보스		Material	
				Dia D _H	Length L						Dia D _H	Thickness L		
잇수	외경	피치원지름	이뿌리원지름	지름	길이	재질	잇수	외경	피치원지름	이뿌리원지름	지름	길이	재질	
10	186	164.39	135.81	100	70	SS41	50	838	809.04	780.46				
11	204	180.31	151.73	120	80		51	854	825.20	796.20				
12	220	196.28	167.70	120	80		52	870	841.36	812.78				
13	237	212.27	183.69	130	90		53	887	857.52	828.94				
14	253	228.30	199.72	130	90		54	903	873.68	845.10				
15	269	244.33	215.75	130	90		55	919	889.84	861.26				
16	286	260.39	231.81	130	90		56	935	906.00	877.42				
17	302	276.46	247.88	140	100		57	951	922.17	893.59				
18	319	292.55	263.97	140	100		58	967	938.33	909.75				
19	335	308.64	280.06	140	100		59	984	954.49	925.91				
20	351	324.74	296.16	140	100		60	1000	970.65	942.07				
21	368	340.84	312.26	140	100		61	1016	986.82	958.24				
22	384	356.96	328.38				62	1032	1002.98	974.40				
23	400	373.07	344.49				63	1048	1019.14	990.56				
24	416	389.19	360.61				64	1065	1035.30	1006.72				
25	433	405.32	376.74				65	1081	1051.47	1022.89				
26	449	421.45	392.87				66	1097	1067.63	1039.05				
27	465	437.58	409.00				67	1113	1083.80	1055.22				
28	481	453.72	425.14				68	1129	1099.96	1071.38				
29	498	469.85	441.27				69	1145	1116.13	1087.55				
30	514	485.99	457.41				70	1162	1132.29	1103.71				
31	530	502.13	473.55				71	1178	1148.46	1119.88				
32	546	518.28	489.70				72	1194	1164.62	1136.04				
33	562	534.42	505.84				73	1210	1180.79	1152.21				
34	579	550.57	521.99				74	1226	1196.95	1168.37				
35	595	566.71	538.13				75	1243	1213.11	1184.53				
36	611	582.86	554.28				76	1259	1229.28	1200.70				
37	627	599.01	570.43				77	1275	1245.45	1216.87				
38	644	615.17	586.59				78	1291	1261.61	1233.03				
39	660	631.32	602.74				79	1037	1277.78	1249.20				
40	676	647.47	618.89				80	1323	1293.94	1265.36				
41	692	663.63	635.05				81	1340	1310.11	1281.53				
42	708	679.78	651.20				82	1356	1326.28	1297.70				
43	725	695.93	667.35				83	1372	1342.45	1313.87				
44	741	712.09	683.51				84	1388	1358.61	1330.03				
45	757	728.25	699.67				85	1404	1374.78	1346.20				
46	773	744.40	715.82				86	1420	1390.94	1362.36				
47	789	760.56	731.98				87	1437	1407.11	1378.53				
48	806	776.72	748.14				88	1453	1423.27	1394.69				
49	822	792.88	764.30				90	1485	1455.61	1427.03				

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

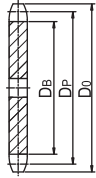
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

표준형 로울러 체인의 스프라켓

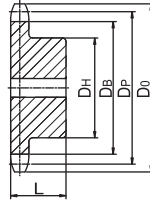
DBC 200

Type - A



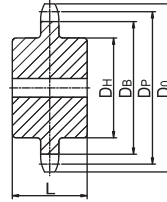
No hub extension
평판형

Type - B



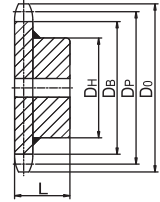
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보스분리형

unit : mm

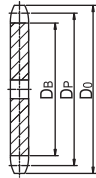
No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub Dia D _h	Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub Dia D _h	Material 재질
잇수	외경	피치원지름	이뿌리원지름	최대보스지름		잇수	외경	피치원지름	이뿌리원지름	최대보스지름	
11	254	225.39	185.70	152		51	1068	1031.50	991.81	965	
12	275	245.34	205.65	173		52	1088	1051.70	1012.01	986	
13	296	265.34	225.65	193		53	1108	1071.90	1032.21	1006	
14	316	285.37	245.68	214		54	1128	1092.10	1052.41	1026	
15	337	305.42	265.73	235		55	1149	1112.30	1072.61	1046	
16	357	325.49	285.80	255		56	1169	1132.50	1092.81	1066	
17	378	345.58	305.89	275		57	1189	1152.71	1113.02	1087	
18	398	365.68	325.99	296		58	1209	1172.91	1133.22	1107	
19	419	385.79	346.10	316		59	1230	1193.11	1153.42	1127	
20	439	405.92	366.23	337		60	1250	1213.31	1173.62	1147	
21	459	426.05	386.36	357		61	1270	1233.52	1193.83	1168	
22	480	446.20	406.51	377		62	1290	1253.72	1214.03	1188	
23	500	466.34	426.65	398		63	1310	1273.92	1234.23	1208	
24	520	486.49	446.80	418		64	1331	1294.13	1254.44	1228	
25	541	506.65	466.96	438		65	1351	1314.34	1274.65	1249	
26	561	526.81	487.12	459		66	1371	1334.54	1294.85	1269	
27	581	546.98	507.29	479		67	1391	1354.75	1315.06	1289	
28	602	567.14	527.45	499		68	1412	1374.95	1335.26	1309	
29	622	587.32	547.63	520		69	1432	1395.16	1355.47	1329	
30	642	607.49	567.80	540		70	1452	1415.36	1375.67	1350	
31	663	627.67	587.98	560		71	1472	1435.57	1395.88	1370	
32	683	647.85	608.16	580		72	1493	1455.78	1416.09	1390	
33	703	668.03	628.34	601		73	1513	1475.98	1436.29	1410	
34	723	688.21	648.52	621		74	1533	1496.19	1456.50	1431	
35	744	708.39	668.70	641		75	1553	1516.39	1476.70	1451	
36	764	728.58	688.89	662		76	1573	1536.60	1496.91	1471	
37	784	748.77	709.08	682		77	1594	1556.81	1517.12	1491	
38	804	768.96	729.27	702		78	1614	1577.02	1537.33	1511	
39	825	789.15	749.46	722		79	1634	1597.22	1557.53	1532	
40	845	809.34	769.65	743		80	1654	1617.43	1577.74	1552	
41	865	829.53	789.84	763		81	1674	1637.64	1597.95	1572	
42	885	849.73	810.04	783		82	1695	1657.85	1618.16	1592	
43	906	869.92	830.23	803		83	1715	1678.06	1638.37	1613	
44	926	890.11	850.42	824		84	1735	1698.26	1658.57	1633	
45	946	910.31	870.62	844		85	1755	1718.47	1678.78	1653	
46	966	930.50	890.81	864		86	1776	1738.67	1698.98	1673	
47	987	950.70	911.01	884		87	1796	1758.89	1719.20	1693	
48	1007	970.90	931.21	905		88	1816	1779.09	1739.40	1714	
49	1027	991.10	951.41	925		89	1836	1799.30	1759.61	1734	
50	1047	1011.30	971.61	945		90	1853	1819.51	1779.82	1754	

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

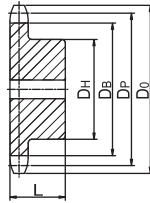
DBC 240

Type - A



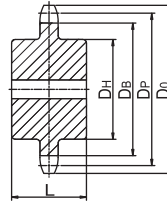
No hub extension
평판형

Type - B



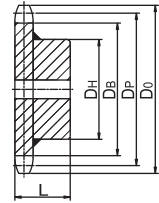
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보스분리형

unit : mm

No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub Dia D _h	Material 재질	No. of Teeth N	Outside Dia D _o	Pitch Dia D _p	Bottom Dia D _b	Hub Dia D _h	Material 재질
잇수	외경	피치원지름	이뿌리원지름	최대보스지름		잇수	외경	피치원지름	이뿌리원지름	최대보스지름	
11	305	270.47	222.84	183		51	1281	1237.80	1190.17	1158	
12	330	294.41	246.78	207		52	1305	1262.04	1214.41	1183	
13	355	318.41	270.78	232		53	1330	1286.28	1238.65	1207	
14	380	342.44	394.81	257		54	1354	1310.52	1262.89	1231	
15	404	366.50	318.87	282		55	1378	1334.76	1287.13	1256	
16	429	390.59	342.96	306		56	1430	1359.00	1311.37	1280	
17	453	414.70	367.07	331		57	1427	1383.25	1335.62	1304	
18	478	438.82	391.19	355		58	1451	1407.49	1359.86	1328	
19	502	462.95	415.32	380		59	1475	1431.74	1384.11	1353	
20	527	487.11	439.48	404		60	1500	1455.98	1408.35	1377	
21	551	511.26	463.63	429		61	1524	1480.22	1432.59	1401	
22	576	535.43	487.80	453		62	1548	1504.47	1456.84	1426	
23	600	559.61	511.98	477		63	1573	1528.71	1481.08	1450	
24	625	583.79	536.16	502		64	1597	1552.96	1505.33	1474	
25	649	607.98	560.35	526		65	1621	1577.20	1529.57	1498	
26	673	632.17	584.54	551		66	1645	1601.45	1553.82	1523	
27	698	656.37	608.74	575		67	1670	1625.70	1578.07	1542	
28	722	680.57	632.94	599		68	1694	1649.94	1602.31	1571	
29	746	704.78	657.15	624		69	1718	1674.19	1626.56	1595	
30	771	728.99	681.36	648		70	1742	1698.44	1650.81	1620	
31	795	753.20	705.57	672		71	1767	1722.68	1675.05	1644	
32	819	777.42	729.79	697		72	1791	1746.93	1699.30	1668	
33	844	801.63	754.00	721		73	1815	1771.18	1723.55	1693	
34	868	825.86	778.23	745		74	1840	1795.42	1747.79	1717	
35	892	850.07	802.44	770		75	1864	1819.67	1772.04	1741	
36	917	874.30	826.67	794		76	1888	1843.92	1796.29	1765	
37	941	898.52	850.89	818		77	1912	1868.17	1820.54	1790	
38	965	922.75	875.12	843		78	1937	1892.42	1844.79	1814	
39	990	946.98	899.35	867		79	1961	1916.67	1869.04	1838	
40	1014	971.21	923.58	891		80	1985	1940.91	1893.28	1862	
41	1038	995.44	947.81	916		81	2009	1965.17	1917.54	1887	
42	1063	1019.67	972.04	940		82	2034	1989.41	1941.78	1911	
43	1087	1043.90	996.27	964		83	2058	2013.67	1966.04	1935	
44	1111	1068.13	1020.50	988		84	2082	2037.67	1990.29	1960	
45	1135	1092.37	1044.74	1013		85	2106	2062.16	2014.53	1984	
46	1160	1116.60	1068.97	1037		86	2131	2086.41	2038.78	2008	
47	1184	1140.84	1093.21	1061		87	2155	2110.66	2063.03	2032	
48	1208	1165.08	1117.45	1086		88	2179	2134.91	2087.28	2057	
49	1233	1189.32	1141.69	1110		89	2204	2159.17	2111.54	2081	
50	1257	1213.56	1165.93	1134		90	2228	2183.41	2135.78	2105	

Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.

주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Double Pitch Chain

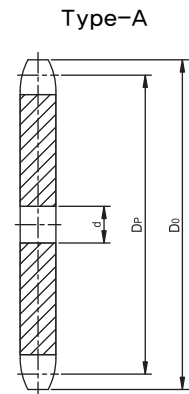
더블피치 체인의 스프라켓

DBC 2040

S-Roller Type : A2040, C2040

unit : mm

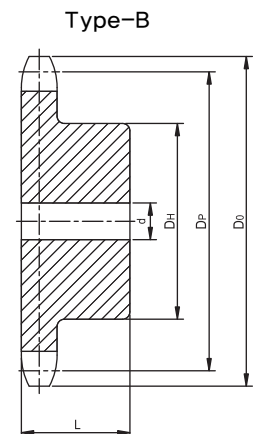
No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight 개략중량 (Kg)	
			d				Type-B	Type-A
			Min	Max				
11	51	46.96	11	18	30	25	0.20	
12	55	50.80	11	22	34	25	0.22	
13	59	54.66	15	24	38	25	0.25	
14	63	58.55	15	26	42	25	0.33	
15	67	62.43	15	28	46	25	0.35	
16	71	66.37	15	30	50	25	0.45	
17	75	70.31	15	32	54	30	0.55	
18	80	74.27	15	32	54	30	0.63	
19	84	78.23	15	32	54	30	0.65	
20	88	82.20	15	32	56	40	0.75	
21	92	86.17	15	32	56	40	0.80	
22	96	90.16	15	32	56	40	0.93	
23	100	94.15	15	32	56	40	1.05	
24	104	98.14	15	32	56	40	1.10	
25	108	102.14	15	32	56	40	1.15	
26	112	106.14	15	32	56	40	1.20	
27	116	110.14	15	40	65	40	1.25	
28	120	114.15	15	40	65	40	1.30	
29	124	118.16	15	40	65	40	1.40	
30	129	122.17	15	40	65	40	1.50	



R-Roller Type (Over size Roller Type) : C2042

unit : mm

No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight 개략중량(Kg)	
			d				Type-B	Type-A
			Min	Max				
8	77	66.37	16	33	48	30	0.60	
9	85	74.73	16	35	56	30	0.70	
10	93	82.19	20	35	56	40	0.98	
11	102	90.16	20	35	56	40	1.00	
12	110	98.14	20	35	56	40	1.10	
13	118	106.14	20	40	65	40	1.60	
14	127	114.15	20	40	65	40	1.70	
15	134	122.17	20	40	65	40	1.75	
16	142	130.20	20	40	65	40	2.00	0.69
17	150	138.23	20	45	70	45	2.10	0.84
18	160	146.27	20	45	70	45	2.15	0.91
19	168	154.32	20	45	70	45	2.30	0.99
20	176	162.37	20	45	70	45	2.50	1.07
21	184	170.43	20	55	89	45	2.60	1.24
22	192	178.49	20	55	89	45	2.70	1.36
23	199	186.54	20	55	89	45	2.80	1.47
24	208	194.59	20	55	89	45	2.90	1.59
25	216	202.67	20	55	89	45	3.00	1.73
26	225	210.72	20	55	89	45	3.10	1.91
28	241	218.80	20	55	89	45	3.20	2.18
30	257	226.87	20	55	89	45	3.40	2.41

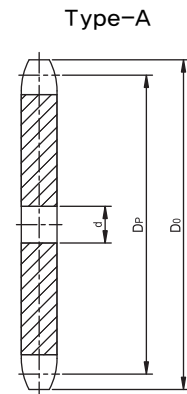


DBC 2050

S-Roller Type : A2050, C2050

unit : mm

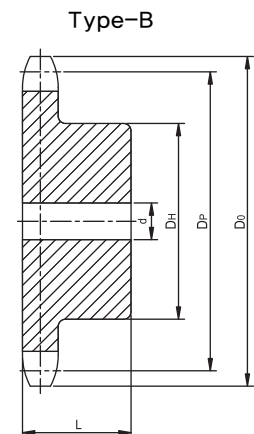
No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight 개략중량 (Kg) Type-B
			d				
			Min	Max			
11	63	58.72	15	22	37	25	0.30
12	69	63.50	15	26	43	25	0.40
13	74	68.33	15	30	48	30	0.50
14	79	73.18	15	33	53	30	0.60
15	84	78.05	15	37	58	30	0.70
16	89	82.96	15	40	63	30	0.80
17	94	87.88	15	40	65	40	0.95
18	100	92.84	15	40	65	40	1.20
19	104	97.79	15	40	65	40	1.30
20	110	102.75	15	45	70	45	1.60
21	115	107.75	15	45	70	45	1.75
22	120	112.70	17	45	70	45	1.80
23	125	117.68	17	46	70	45	1.85
24	130	122.67	17	45	70	45	1.90
25	135	127.67	17	45	70	45	2.00
26	140	132.67	17	45	70	45	2.10
27	145	137.67	17	45	70	45	2.20
28	150	142.68	17	45	70	45	2.35
29	155	147.69	17	45	70	45	2.50
30	161	152.70	17	45	70	45	2.60



R-Roller Type (Over size Roller Type) : C2052

unit : mm

No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight 개략중량 (Kg)	
			d				Type-B	Type-A
			Min	Max				
8	96	82.96	20	40	69	30	1.20	
9	106	92.84	20	45	70	30	1.40	
10	116	102.74	20	45	70	45	1.90	
11	127	112.70	20	45	70	45	2.00	
12	138	122.67	20	45	70	45	2.20	0.82
13	148	132.67	20	45	70	45	2.30	0.95
14	158	142.68	20	45	70	45	2.40	1.04
15	168	152.71	20	45	70	45	2.50	1.23
16	179	162.74	20	45	70	45	2.70	1.41
17	189	172.79	20	50	85	50	3.00	1.59
18	199	182.84	20	55	90	55	4.00	1.77
19	209	192.90	20	55	90	55	4.30	2.04
20	220	202.96	20	55	90	55	4.40	2.14
21	230	213.03	20	55	90	55	4.60	2.41
22	240	223.09	20	55	90	55	4.80	2.59
23	250	233.17	20	55	90	55	4.90	2.86
24	260	243.26	20	55	90	55	5.00	3.18
25	270	253.31	20	55	90	55	5.50	3.41
26	280	263.40	20	55	90	55	6.00	3.64
28	301	283.51	20	55	90	55	6.80	4.18
30	321	303.73	20	55	90	55	7.00	4.91



Sprocket for Double Pitch Chain

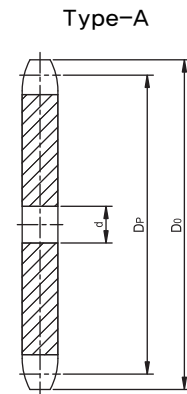
더블피치 체인의 스프라켓

DBC 2060

S-Roller Type A2060, C2060

unit : mm

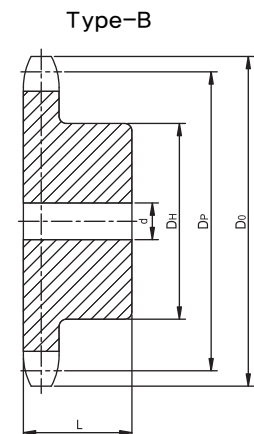
No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight	
			d				Type-B	개략중량 (Kg)
			Min	Max				
11	76	70.46	15	27	45	40	0.70	
12	83	76.20	15	31	51	40	0.80	
13	88	81.99	15	35	56	40	0.90	
14	95	87.81	17	35	56	40	1.00	
15	101	93.68	17	35	56	40	1.10	
16	107	99.57	17	35	56	40	1.20	
17	113	105.46	17	45	70	40	1.60	
18	119	111.40	17	45	70	40	1.90	
19	125	117.35	17	45	70	40	2.10	
20	132	124.30	17	50	80	45	2.40	
21	138	129.26	17	50	80	45	2.50	
22	144	135.24	17	50	80	45	2.60	
23	150	141.22	17	50	80	45	2.80	
24	156	147.21	17	50	80	45	3.00	
25	162	153.20	17	50	80	45	3.20	
26	168	159.20	17	50	80	45	3.30	
27	174	165.21	17	50	80	45	3.50	
28	181	171.22	17	50	80	45	3.60	
29	187	177.23	17	50	80	45	3.70	
30	193	183.26	17	50	80	45	4.00	



R-Roller Type (Over size Roller Type) : C2062

unit : mm

No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight	
			d				Type - B	Type - A
			Min	Max				
8	115	99.57	20	47	72	32	2.00	
9	128	111.40	20	50	80	32	2.23	
10	140	123.29	26	50	80	45	2.40	
11	153	135.24	26	50	80	45	2.60	
12	165	147.21	26	50	80	45	2.80 1.45	
13	177	159.20	26	55	85	50	3.10 1.59	
14	190	171.22	26	55	85	50	3.70 1.82	
15	202	183.25	26	55	85	50	3.80 2.14	
16	214	195.29	26	55	85	55	4.10 2.41	
17	227	207.35	26	60	90	55	4.90 2.73	
18	239	219.41	26	60	90	55	5.30 3.09	
19	251	231.48	26	60	90	55	5.60 3.41	
20	263	243.55	26	60	90	55	6.00 3.77	
21	276	255.63	26	60	90	55	6.36 4.18	
22	287	267.72	26	60	90	55	6.68 4.45	
23	300	279.81	26	60	90	55	7.27 4.91	
24	312	291.19	26	60	90	55	7.73 5.23	
25	324	303.99	26	60	90	55	8.64 5.68	
26	337	316.08	26	60	90	55	10.00 6.18	
28	361	340.28	26	60	90	55	10.91 7.18	
30	385	364.49	26	60	90	55	12.27 8.18	

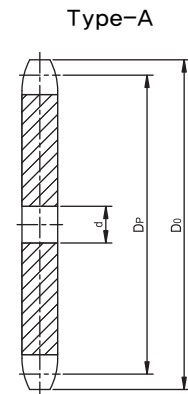


DBC 2080

S-Roller Type : A2080, C2080

unit : mm

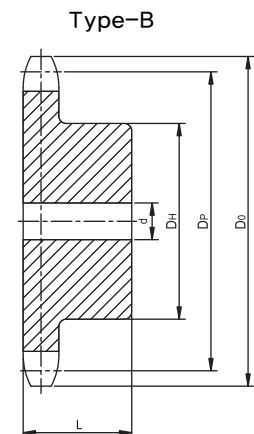
No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경 d		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight 개략중량 (Kg)	
			Min	Max			Type-B	
			11	101			93.95	18
12	110	101.60	18	45	69	50	1.90	
13	118	109.32	18	48	77	50	2.10	
14	126	117.09	18	50	80	50	2.40	
15	134	124.89	22	50	80	50	2.60	
16	143	132.74	22	50	80	50	3.00	
17	151	140.61	22	60	90	50	3.30	
18	159	148.54	22	60	90	50	3.50	
19	167	156.46	22	60	90	50	3.70	
20	176	164.39	22	60	90	50	4.30	
21	184	172.35	25	60	90	50	4.40	
22	192	180.31	25	60	93	50	4.70	
23	200	188.29	25	60	93	50	5.00	
24	208	196.28	25	60	93	50	5.30	
25	216	204.27	25	60	93	50	5.60	
26	224	212.27	25	60	93	50	5.90	
27	233	220.28	25	60	93	50	6.20	
28	241	228.30	25	60	93	50	6.50	
29	249	236.31	25	60	93	50	6.90	
30	257	244.35	25	60	93	50	7.20	



R-Roller Type (Over size Roller Type) : C2082

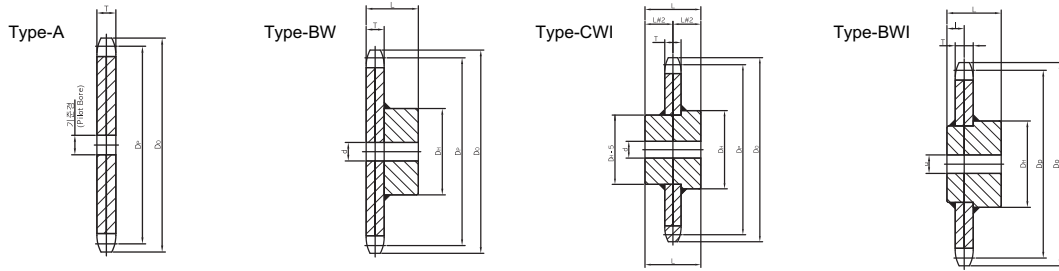
unit : mm

No. of Teeth 잇수 N	Outside Dia 외경 DO	Pitch Dia 피치원지름 DP	Pilot Bore 기준경 d		Hub Dia 보스지름 DH	Length thru Bore 보스길이 L	Approx. Weight 개략중량 (Kg)	
			Min	Max			Type - B	Type - A
			8	153			132.74	25
9	170	148.54	25	70	108	45	4.09	
10	334	164.39	25	70	108	45	5.00	
11	203	180.31	25	70	108	45	5.91	2.82
12	220	196.26	25	70	108	45	6.82	3.45
13	236	212.27	32	80	120	55	7.73	3.91
14	253	228.29	32	80	120	55	8.64	4.59
15	269	244.35	32	80	120	55	9.09	5.23
16	286	260.04	32	80	120	55	10.00	5.86
17	302	276.48	32	80	120	55	10.45	6.59
18	318	292.56	32	80	120	55	11.82	7.27
19	335	308.63	32	80	120	55	12.73	7.95
20	351	324.74	32	80	120	55	13.64	8.91
21	367	340.84	32	80	120	55	14.09	9.91
22	384	356.95	32	80	120	55	14.54	10.68
23	400	373.07	32	80	120	55	15.45	11.82
24	416	389.20	32	80	120	55	17.73	12.50
25	432	405.33	32	80	120	55	18.64	13.77
26	449	421.46	32	85	130	55	19.54	14.86
28	481	453.72	32	85	130	55	20.45	17.04
30	514	486.00	32	85	130	55	21.36	19.09



Sprocket for Standard Conveyor Chain

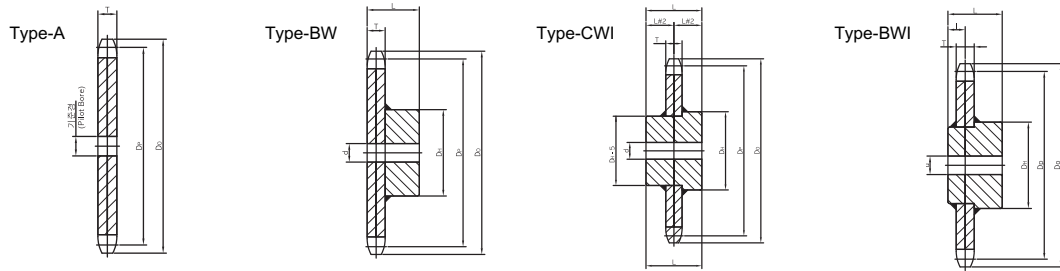
컨베이어 체인의 스프라켓



unit : mm

DONG BO Chain No.	Type of Roller 로울러 형식	No. of Teeth 잇수	Common Dimensions 공통치수			Type - A		Type - BW				Type - CWI			
			Dp*	Do*	T*	Pilot Bore 기준경	Weight (kg)	d*	DH*	L*	Weight (kg)	d*	DH*	L*	Weight (kg)
DBC 03075	F	6	150.0	158	9	20	1.5	25~40	65	49	2.5	25~40	70	55	3
		8	196.0	209	9	20	2	25~45	70	54	3.5	25~45	75	60	4
		10	242.7	259	9	20	3.5	25~50	75	59	5	25~50	85	70	6
		12	289.8	308	9	20	4.5	25~50	75	59	6.5	25~50	85	70	7
	S	6	150.0	158	12	20	2	25~40	65	52	3	25~45	75	60	3.5
		7½	184.4	194	12	20	2.5	25~45	70	57	4	25~50	85	70	4.5
		8	196.0	206	12	20	3	25~45	70	57	4.5	25~50	85	70	5
		10	242.7	252	12	20	4.5	25~50	75	62	6.5	25~50	85	70	7.5
		12	289.8	299	12	20	6.5	25~50	75	62	8.5	25~50	85	70	9
		12½	301.6	311	12	20	6.5	25~50	75	62	8.5	25~50	85	70	9
DBC 03100	R	6	200.0	206	12	20	3	25~45	70	57	4.5	25~45	75	60	4.5
		8	261.3	272	12	20	5	25~50	75	62	6.5	25~50	85	70	7.5
		10	323.6	336	12	20	7.5	25~50	75	62	9.5	25~50	85	70	10
		12	386.4	401	12	20	11	25~55	85	67	14	25~55	90	75	14
	F	6	200.0	206	9	20	2	25~45	70	54	3.5	25~45	75	60	4
		8	261.3	272	9	20	4	25~50	75	59	5.5	25~50	85	70	6.5
		10	323.3	336	9	20	6	25~50	75	59	7.5	25~50	85	70	8.5
		12	386.4	401	9	20	8.5	25~55	85	64	11	25~55	90	75	12
	S	6	200.0	210	12	20	3	25~45	70	57	4.5	25~45	75	60	5
		7½	245.9	253	12	20	4.5	25~50	75	62	6	25~50	85	70	7
		8	261.3	269	12	20	5.5	25~50	75	62	7	25~50	85	70	8
		10	323.6	333	12	20	8	25~50	75	62	10	25~50	85	70	11
DBC 430	R	6	203.2	211	16	20	3.5	25~55	85	71	6	25~55	90	75	6.5
		8	265.5	277	16	20	6.5	25~60	90	76	10	25~60	100	80	11
		10	328.8	345	16	20	10	30~65	100	81	14	30~70	110	90	16
		12	392.6	411	16	20	15	30~65	100	81	19	30~70	110	90	20
S	6	203.2	215	16	20	4	25~55	85	71	6.5	25~55	90	75	7	
	7½	249.8	260	16	20	6	25~60	90	76	9	30~60	100	80	10	
	8	265.5	277	16	20	7.5	25~60	90	76	11	30~60	100	80	12	
	10	328.8	341	16	20	11	30~65	100	81	15	30~70	110	90	17	
DBC 05075	S	6	203.2	215	16	20	16	30~65	100	81	20	30~70	110	90	21
		7½	249.8	260	16	20	16	30~65	100	81	20	30~70	110	90	22
		8	265.5	277	16	20	16	30~65	100	81	20	30~70	110	90	22
		10	328.8	341	16	20	16	30~65	100	81	20	30~70	110	90	22
DBC 05100	S	8	196.0	209	16	20	4	25~60	90	76	7	30~60	100	80	8
		10	242.7	256	16	20	6	30~65	100	81	10	30~70	110	90	12
		12	289.8	303	16	20	9	30~65	100	81	13	30~70	110	90	14
		12½	301.6	311	16	20	9	30~65	100	81	13	30~70	110	90	14
	R	6	200.0	205	16	20	3.5	25~60	90	76	6.5	30~60	100	80	7.5
		8	261.3	273	16	20	6.5	30~65	100	81	10	30~70	110	90	12
		10	323.6	340	16	20	10	30~65	100	81	14	30~70	110	90	15
		12	386.4	405	16	20	14	30~75	110	91	20	30~75	120	100	22
	F	6	200.0	205	12	20	3	25~60	90	72	6	30~60	100	80	7
		8	261.3	273	12	20	5	30~65	100	77	9	30~70	110	90	11
		10	323.6	340	12	20	8	30~65	100	77	12	30~70	110	90	13
		12	386.4	405	12	20	11	30~75	110	87	17	30~75	120	100	19
S	6	200.0	212	16	20	4.5	25~60	90	76	7.5	30~60	100	80	8.5	
	7½	245.9	257	16	20	6	30~65	100	81	10	30~70	110	90	11	
	8	261.3	273	16	20	7	30~65	100	81	11	30~70	110	90	13	
	10	323.6	337	16	20	11	30~65	100	81	15	30~70	110	90	16	
DBC 05100	S	12	386.4	400	16	20	15	30~75	110	91	21	35~75	120	100	23
		12½	402.1	416	16	20	16	30~75	110	91	22	35~75	120	100	24

※DP=Pitch Dia, Do=Outside Dia, T=Thickness of Teeth
 ※d=Pilot Bore (min.~max.), DH=Hub Dia, L=Length thru Bore



unit : mm

DONG BO Chain No.	Type of Roller 로올러 형식	No. of Teeth 잇수	Common Dimensions 공통치수			Type - A		Type - BW				Type - CWI			
			Dp*	Do*	T*	Pilot Bore 기준경	Weight (kg)	d*	DH*	L*	Weight (kg)	d*	DH*	L*	Weight (kg)
DBC 05150	R	6	300.0	304	16	20	8.5	30~65	100	81	12	30~70	110	90	14
		8	392.0	402	16	20	15	30~75	110	91	20	35~75	120	100	22
		10	485.4	500	16	20	23	35~80	120	96	30	35~80	130	105	32
		12	579.6	596	16	20	33	35~85	130	101	41	40~90	140	115	44
	F	6	300.0	304	12	20	6.5	30~65	100	77	11	30~70	110	90	12
		8	392.0	402	12	20	11	30~75	110	87	17	35~75	120	100	19
		10	485.4	500	12	20	17	35~80	120	92	24	35~80	130	105	27
		12	579.6	596	12	20	25	35~85	130	97	33	40~90	140	115	37
	S	6	300.0	310	16	20	9	30~65	100	81	13	30~70	110	90	14
		7½	368.8	369	16	20	14	30~75	110	91	19	35~75	120	100	21
		8	392.0	405	16	20	15	30~75	110	91	21	35~75	120	100	23
		10	485.4	499	16	20	24	35~80	120	96	31	35~80	130	105	33
12		579.6	592	16	20	34	35~85	130	101	42	40~90	140	115	45	
12½	603.2	616	16	20	36	35~85	130	101	44	40~90	140	115	47		
DBC 204	S	8	173.2	187	19	20	3.5	25~60	90	79	6.5	30~60	100	80	7
		10	214.5	228	19	20	5.5	30~65	100	84	9.5	30~70	110	90	11
		12	256.0	269	19	20	7.5	30~65	100	84	12	30~70	110	90	13
DBC 450	R	6	203.2	217	19	20	4.0	25~60	90	79	7	30~70	100	80	7.5
		8	265.5	286	19	20	7.5	30~65	100	84	12	30~70	110	90	13
		10	328.8	354	19	20	12	30~75	110	94	18	35~75	120	100	19
		12	392.6	419	19	20	17	35~75	110	94	22	35~75	120	100	24
	F	6	203.2	217	16	20	3.5	25~60	90	76	6.5	30~60	100	80	7
		8	265.5	286	16	20	6.5	30~65	100	81	11	30~70	110	90	12
		10	328.8	354	16	20	10	30~75	110	91	16	35~75	120	100	17
		12	392.6	419	16	20	15	30~75	110	91	20	35~75	120	100	22
	S	6	203.2	217	19	20	5.0	25~60	90	79	8	30~60	100	80	8.5
		7½	249.8	263	19	20	6.5	30~65	100	84	11	30~70	110	90	12
		8	265.5	279	19	20	8.5	30~65	100	84	13	35~70	110	90	14
		10	328.8	342	19	20	13	35~75	110	94	19	35~75	120	100	20
12		392.6	406	19	20	19	30~75	110	94	24	35~75	120	100	26	
12½	408.5	422	19	20	19	30~75	110	94	24	35~75	120	100	26		
DBC 08150	R	6	300.0	311	19	20	10	30~75	110	94	15	35~75	120	100	17
		8	392.0	410	19	20	18	30~75	110	94	23	35~75	120	100	24
		10	485.4	507	19	20	27	35~80	120	99	34	35~80	130	105	36
		12	579.6	604	19	20	39	35~85	130	104	48	40~90	140	115	50
	F	6	300.0	311	16	20	8	30~75	110	91	14	35~75	120	100	16
		8	392.0	410	16	20	15	30~75	110	91	22	35~75	120	100	22
		10	485.4	507	16	20	23	35~80	120	96	30	35~80	130	105	32
		12	579.6	604	16	20	33	35~85	130	101	42	40~90	140	115	44
	S	6	300.0	313	19	20	11	30~75	110	94	16	35~75	120	100	18
		7½	368.8	378	19	20	16	30~75	110	94	22	35~75	120	100	23
		8	392.0	403	19	20	19	30~75	110	94	24	35~75	120	100	25
		10	485.4	499	19	20	28	35~80	120	99	35	35~80	130	105	37
12		579.6	593	19	20	40	35~85	130	104	49	40~90	140	115	51	
12½	603.2	617	19	20	43	35~85	130	104	52	40~90	140	115	54		
DBC 650	F	6	304.8	321	16	20	9	30~75	110	91	14	35~75	120	100	16
		8	398.2	422	16	20	15	30~75	110	91	21	35~75	120	100	23
		10	493.2	521	16	20	24	35~80	120	96	31	35~80	130	105	32
		12	588.8	618	16	20	34	35~85	130	101	43	40~90	140	115	45
	S	6	304.8	320	22	20	13	30~75	110	97	19	35~75	120	100	20
		7½	347.7	390	22	20	19	30~75	110	97	24	35~75	120	100	25
		8	398.2	414	22	20	22	30~75	110	97	28	35~75	120	100	29
		10	493.2	509	22	20	34	35~80	120	102	41	35~80	130	105	42
		12	588.8	604	22	20	48	35~85	130	107	57	40~90	140	115	59
		12½	612.8	628	22	20	50	35~85	130	107	59	40~90	140	115	61

Sprocket for Standard Conveyor Chain

컨베이어 체인의 스프라켓

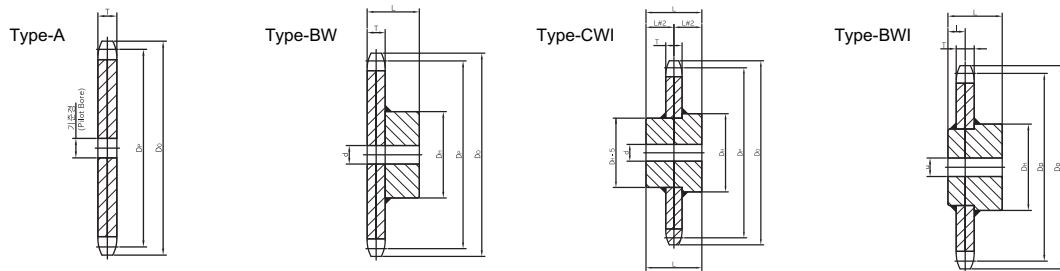
unit : mm

DONG BO Chain No.	Type of Roller 로올러 형식	No. of Teeth 잇수	Common Dimensions 공통치수			Type - A		Type - BW				Type - CWI				
			Dp*	Do*	T*	Pilot Bore 기준경	Weight (kg)	d*	DH*	L*	Weight (kg)	d*	DH*	L*	Weight (kg)	
DBC 10100	R	6	200.0	214	22	20	4.5	30~75	110	97	10	35~75	120	100	11	
		8	261.3	282	22	20	8.5	30~75	110	97	14	35~75	120	100	15	
		10	323.6	349	22	20	13	35~80	120	102	20	35~80	130	105	21	
		12	386.4	414	22	20	19	35~85	130	107	27	40~90	140	115	29	
	S	6	200.0	217	22	20	5.5	30~75	110	97	11	35~75	120	100	12	
		8	261.3	279	22	20	9.5	30~75	110	97	15	35~75	120	100	16	
10		323.6	341	22	20	15	35~80	120	102	22	35~80	130	105	23		
12		386.4	404	22	20	21	35~85	130	107	29	40~90	140	115	31		
DBC 10150	R	6	300.0	309	22	20	11	30~80	120	102	18	35~80	130	105	20	
		8	392.0	408	22	20	21	35~85	130	107	29	40~90	140	115	31	
		10	485.4	506	22	20	32	40~95	140	117	42	40~100	150	125	45	
		12	579.6	601	22	20	45	40~100	150	122	59	40~100	150	125	59	
	F	6	300.0	309	16	20	8	35~80	120	96	15	35~80	130	105	17	
		8	392.0	408	16	20	15	35~80	130	101	24	40~90	140	115	26	
		10	485.4	506	16	20	23	40~95	140	111	34	40~110	150	125	37	
		12	579.6	601	16	20	33	40~100	150	116	46	40~100	150	125	47	
	S	6	300.0	316	22	20	12	35~80	120	102	19	35~80	130	105	21	
		7½	368.8	378	22	20	18	35~85	130	107	26	40~90	140	115	28	
		8	392.0	409	22	20	22	35~85	130	107	30	40~90	150	115	32	
		10	485.4	503	22	20	33	40~95	140	117	43	40~100	150	125	46	
DBC 214	R	6	203.2	230	25	20	6	30~75	110	100	12	35~75	120	100	12	
		8	265.5	292	25	20	10	35~80	120	105	17	35~80	130	105	18	
		10	328.8	356	25	20	16	35~85	130	110	25	40~90	140	115	26	
		12	392.6	419	25	20	23	40~95	140	120	34	40~100	150	125	36	
	S	6	203.2	222	25	20	7	30~75	110	100	13	35~75	120	100	13	
		8	265.5	285	25	20	11	35~80	120	105	18	35~80	130	105	19	
		10	328.8	348	25	20	17	35~85	130	110	26	40~90	140	115	27	
		12	392.6	412	25	20	24	40~95	140	120	35	40~100	150	125	37	
	DBC 205	S	8	204.1	223	28	20	7	35~75	110	103	12	35~75	120	100	13
			10	252.8	272	28	20	11	35~80	120	108	17	35~80	130	105	18
			12	301.8	321	28	20	15	35~85	130	113	24	40~90	140	115	25

unit : mm

DONG BO Chain No.	Type of Roller 로올러 형식	No. of Teeth 잇수	Common Dimensions 공통치수			Type - A		Type - BW					Type - CWI			
			Dp*	Do*	T*	Pilot Bore 기준경	Weight (kg)	d*	DH*	L*	L	Weight (kg)	d*	DH*	L*	Weight (kg)
DBC 6205	R	6	304.8	330	28	20	15	40~95	140	115	25	25	40~100	150	125	28
		8	398.2	432	28	20	24	40~100	150	125	25	39	40~100	150	125	39
		10	493.2	528	28	20	41	40~110	160	135	25	56	45~110	160	135	55
		12	588.8	623	28	20	58	50~120	180	150	25	81	50~120	180	150	80
	F	6	304.8	330	19	20	11	40~95	140	115	20	21	40~100	150	125	24
		8	398.2	432	19	20	18	40~100	150	125	20	32	40~100	150	125	31
		10	493.2	528	19	20	28	45~110	160	135	20	45	45~110	160	135	44
		12	588.8	623	19	20	40	50~120	180	150	20	64	50~120	180	150	63
	S	6	304.8	325	28	20	17	40~95	140	115	25	27	40~100	150	125	29
		7½	374.7	396	28	20	23	40~100	150	125	25	35	40~100	150	125	35
		8	398.2	419	28	20	28	40~100	150	125	25	41	40~100	150	125	41
		10	493.2	514	28	20	44	45~110	160	135	25	59	45~110	160	135	58
	S	12	588.8	610	28	20	63	50~120	180	150	25	86	50~120	180	150	85
		12½	612.8	634	28	20	65	50~120	180	150	25	88	50~120	180	150	87

Abbreviation	Dp	Do	T	d	DH	L
Korean	피치	외경	치폭	기준경	보스지름	보스두께
English	Pitch Dia.	Outside Dia	Thickness of Teeth	Pilot Bore (min.-max.)	Hub Dia.	Length thru Bore



unit : mm

DONG BO Chain No.	Type of Roller 로울러 형식	No. of Teeth 잇수	Common Dimensions 공통치수			Type - A		Type - BW					Type - CWI				
			Dp*	Do*	T*	Pilot Bore 기준경	Weight (kg)	d*	DH*	L*	L	Weight (kg)	d*	DH*	L*	Weight (kg)	
DBC 12200	R	6	400.0	418	28	20	27	40~100	150	125	25	39	40~100	150	125	39	
		8	522.6	551	28	20	46	45~100	160	135	25	61	45~110	160	135	60	
		10	647.2	682	28	20	71	50~120	180	150	25	94	50~120	180	150	93	
		12	772.2	810	28	20	101	50~130	190	160	25	129	50~130	190	160	128	
	F	6	400.0	418	19	20	18	40~100	150	125	20	32	40~100	150	125	31	
		8	522.6	551	19	20	31	45~110	160	135	20	48	45~110	160	135	48	
		10	647.2	682	19	20	48	50~120	180	150	20	73	50~120	180	150	72	
		12	772.7	810	19	20	69	50~130	190	160	20	99	50~130	190	160	98	
	S	6	400.0	421	28	20	29	40~100	150	125	25	41	40~100	150	125	41	
		7½	491.7	510	28	20	40	45~110	160	135	25	56	45~110	160	135	55	
		8	522.6	544	28	20	49	45~110	160	135	25	64	45~110	160	135	63	
		10	647.2	668	28	20	74	50~120	180	150	25	97	50~120	180	150	96	
12		772.7	794	28	20	105	50~130	190	160	25	133	50~130	190	160	132		
DBC 12250	R	6	500.0	515	28	20	41	45~110	160	135	25	56	45~110	160	135	55	
		8	653.3	680	28	20	72	50~120	180	150	25	95	50~120	180	150	94	
		10	809.0	841	28	20	113	50~130	190	160	25	141	50~130	190	160	140	
		12	965.5	1002	28	20	159	55~145	210	180	25	198	55~145	210	180	197	
	F	6	500.0	515	19	20	28	45~110	160	135	20	45	45~110	160	135	44	
		8	653.3	680	19	20	49	50~120	180	150	20	73	50~120	180	150	72	
		10	809.0	841	19	20	76	50~130	190	160	20	106	50~130	190	160	105	
		12	965.9	1002	19	20	108	55~145	210	180	20	149	55~145	210	180	148	
	S	6	500.0	521	28	20	43	45~110	160	135	25	49	45~110	160	135	58	
		7½	614.6	623	28	20	65	50~120	180	150	25	88	50~120	180	150	87	
		8	653.3	674	28	20	75	50~120	180	150	25	98	50~120	180	150	97	
		10	809.0	830	28	20	115	50~130	190	160	25	143	50~130	190	160	142	
12		965.9	987	28	20	163	55~145	210	180	25	202	55~145	210	180	201		
DBC S212	R	6	304.8	339	28	20	15	40~100	150	125	25	27	40~100	150	125	27	
		8	398.2	440	28	20	26	45~110	160	135	25	42	40~110	160	135	41	
		10	493.2	535	28	20	41	50~120	180	150	25	63	50~120	180	150	62	
		12	588.8	631	28	20	59	50~130	190	160	25	87	50~130	190	160	86	
	S	6	304.8	329	28	20	17	40~100	150	125	25	29	40~100	150	125	29	
		8	398.2	422	28	20	29	45~110	160	135	25	44	45~110	160	135	44	
		10	493.2	517	28	20	44	50~120	180	150	25	66	50~120	180	150	65	
		12	588.8	613	28	20	61	50~130	190	160	25	89	50~130	190	160	88	
	DBC 17200	R	6	400.0	426	40	20	38	45~110	160	135	32	51	45~110	160	135	50
			8	522.6	562	40	20	66	50~120	180	150	32	86	50~120	180	150	85
			10	647.2	691	40	20	101	50~130	190	160	32	126	50~130	190	160	125
			12	772.7	821	40	20	144	55~145	210	180	32	179	55~145	210	180	178
F		6	400.0	426	28	20	27	45~110	160	135	25	42	45~110	160	135	42	
		8	522.6	562	28	20	46	50~120	180	150	25	68	50~120	180	150	67	
		10	647.2	691	28	20	71	50~130	190	160	25	98	50~130	190	160	97	
		12	772.7	821	28	20	101	55~145	210	180	25	140	55~145	210	180	139	
S		6	400.0	424	40	20	41	45~110	160	135	32	55	45~110	160	135	54	
		7½	491.7	516	40	20	57	50~120	180	150	32	77	50~120	180	150	76	
		8	522.6	547	40	20	70	50~120	180	150	32	90	50~120	180	150	89	
		10	647.2	671	40	20	106	50~130	190	160	32	131	50~130	190	160	130	
	12	772.7	797	40	20	150	55~145	210	180	32	185	55~145	210	180	184		
12½	804.2	828	40	20	152	55~145	210	180	32	187	55~145	210	180	186			

※ DP=Pitch Dia, Do=Outside Dia, T=Thickness of Teeth
 ※ d=Pilot Bore(min.-max.), DH=Hub Dia, L=Length thru Bore

Sprocket for Standard Conveyor Chain

컨베이어 체인의 스프라켓

unit : mm

DONG BO Chain No.	Type of Roller 로올러 형식	No. of Teeth 잇수	Common Dimensions 공통치수			Type - A		Type - BW					Type - CWI			
			Dp*	Do*	T*	Pilot Bore 기준경	Weight (kg)	d*	DH*	L*	L	Weight (kg)	d*	DH*	L*	Weight (kg)
DBC 17250	R	6	500.0	522	40	20	59	50~120	180	150	32	79	50~120	180	150	78
		8	653.3	689	40	20	103	50~130	190	160	32	128	50~130	190	160	127
		10	809.0	850	40	20	158	55~145	210	180	32	193	55~145	210	180	192
		12	965.9	1012	40	20	227	55~145	210	180	32	262	55~145	210	180	261
	F	6	500.0	522	28	20	42	50~120	180	150	25	64	50~120	180	150	63
		8	653.3	689	28	20	72	50~130	190	160	25	100	50~130	190	160	99
		10	809.0	850	28	20	111	55~145	210	180	25	150	55~145	210	180	149
		12	965.9	1012	28	20	159	55~145	210	180	25	198	55~145	210	180	197
	S	6	500.0	524	40	20	63	50~120	180	150	32	83	50~120	180	150	82
		7½	614.6	637	40	20	93	50~130	190	160	32	118	50~130	190	160	117
		8	653.3	677	40	20	108	50~130	190	160	32	133	50~130	190	160	132
		10	809.0	833	40	20	164	55~145	210	180	32	199	55~145	210	180	198
		12	965.9	990	40	20	233	55~145	210	32	268	55~145	210	180	267	
		12½	1005.3	1029	40	20	250	55~145	210	32	285	55~145	210	180	284	
DBC 26200	S	6	400.0	427	45	40	45	50~120	180	150	36	63	50~120	180	150	63
		8	522.6	549	45	40	75	50~130	190	160	36	100	50~130	190	160	100
		10	647.2	674	45	40	116	55~145	210	180	36	150	55~145	210	180	150
		12	772.7	800	45	40	165	55~145	210	180	36	200	55~145	210	180	200
DBC 26250	R	6	500.0	535	45	40	65	50~130	190	160	36	95	50~130	190	160	95
		8	653.3	703	45	40	120	55~145	210	180	36	160	55~145	210	180	160
		10	809.0	864	45	40	180	55~145	210	180	36	220	55~145	210	180	220
		12	965.0	1026	45	40	260	55~160	230	200	36	310	55~160	230	200	310
	F	6	500.0	535	32	40	45	50~130	190	160	30	75	50~130	190	160	75
		8	653.3	703	32	40	85	55~145	210	180	30	130	55~145	210	180	130
		10	809.0	864	32	40	130	55~145	210	180	30	170	55~145	210	180	170
		12	965.9	1026	32	40	190	55~160	230	200	30	240	55~160	230	200	240
	S	6	500.0	527	45	40	75	50~130	190	160	36	100	50~130	190	160	100
		8	653.3	680	45	40	130	55~145	210	180	36	170	55~145	210	180	170
		10	809.0	836	45	40	190	55~145	210	180	36	230	55~145	210	180	230
		12	965.9	993	45	40	270	55~160	230	200	36	320	55~160	230	200	320
DBC 26300	R	6	600.0	631	45	40	100	50~130	190	160	36	120	50~130	190	160	120
		8	783.9	829	45	40	170	55~145	210	180	36	210	55~145	210	180	210
		10	970.8	1025	45	40	260	55~160	230	200	36	310	55~160	230	200	310
		12	1159.1	1219	45	40	380	65~175	250	220	36	440	65~175	250	220	440
	F	6	600.0	631	32	40	70	50~130	190	160	30	110	50~130	190	160	100
		8	738.9	829	32	40	120	55~145	210	180	30	160	55~145	210	180	160
		10	970.8	1025	32	40	190	55~160	230	200	30	240	55~160	230	200	240
		12	1159.1	1219	32	40	270	65~175	250	220	30	340	65~175	250	220	340
	S	6	600.0	627	45	40	110	50~130	190	160	36	130	50~130	190	160	130
		8	783.9	811	45	40	180	55~145	210	180	36	220	55~145	210	180	220
		10	970.8	998	45	40	270	55~160	230	200	36	320	55~160	230	200	320
		12	1159.1	1186	45	40	390	65~175	250	200	36	450	65~175	250	220	450
DBC 36300	R	6	600.0	648	55	40	120	55~160	230	200	42	160	55~160	230	200	160
		8	783.9	849	55	40	210	65~175	250	220	42	270	65~175	250	220	270
		10	970.8	1046	55	40	320	75~190	270	240	42	400	75~190	270	240	400
		12	1159.1	1234	55	40	450	85~210	300	260	42	560	85~210	300	260	560
	F	6	600.0	648	36	40	80	55~160	230	200	32	133	55~160	230	200	130
		8	783.9	849	36	40	140	65~175	250	220	32	240	65~175	250	220	210
		10	970.8	1046	36	40	210	75~190	270	240	32	300	75~190	270	240	300
		12	1159.1	1234	36	40	300	85~210	300	260	32	410	85~210	300	260	410
	S	6	600.0	631	55	40	130	55~160	230	200	42	180	55~160	230	200	180
		8	783.9	814	55	40	220	65~175	250	220	42	280	65~175	250	220	280
		10	970.8	1001	55	40	340	75~190	270	240	42	420	75~190	270	240	420
		12	1159.1	1190	55	40	470	85~210	300	260	42	580	85~210	300	260	580

※ DP=Pitch Dia, Do=Outside Dia, T=Thickness of Teeth
 ※ d=Pilot Bore(min.~max.), DH=Hub Dia, L=Length thru Bore

Sprockets for Bushed Chain

부쉬드 체인 스프라켓

DBC B204

unit : mm

No. of Teeth 잇수	Pitch Dia. 피치	OutsideDia. 피치	Pilot Bore 기준경		Hub 보스		Weight 중량 kg
	DP	Do	min.	max.	DH	L	
8	173.2	189	30	70	110	70	7.2
9	193.8	210	30	70	115	70	8.8
10	214.4	230	30	70	115	70	10.0
11	235.2	251	30	75	120	80	12.0
12	256.0	272	30	75	120	80	14.0
14	297.8	314	30	75	120	80	17.0
16	339.7	356	30	75	120	80	19.6
18	381.6	398	30	80	125	90	22.0
20	423.6	440	30	80	125	90	24.0
22	465.7	482	30	80	130	90	27.0
24	507.7	524	30	85	140	100	32.0
30	634.0	650	40	95	150	100	45.0

DBC B07100

unit : mm

No. of Teeth 잇수	Pitch Dia. 피치	OutsideDia. 피치	Pilot Bore 기준경		Hub 보스		Weight 중량 kg
	DP	Do	min.	max.	DH	L	
6	200.0	215	30	70	115	70	6.7
8	261.3	276	30	75	120	80	11.4
9	292.4	307	30	75	120	80	13.5
10	323.6	339	30	75	120	80	14.8
11	355.0	370	30	80	125	80	17.1
12	386.4	401	30	80	125	90	18.1
14	449.4	464	30	80	130	90	21.7
16	512.6	528	30	85	140	100	26.8
18	575.9	591	30	85	140	100	31.4
20	639.3	644	40	95	150	100	37.8

DBC B205

unit : mm

No. of Teeth 잇수	Pitch Dia. 피치	OutsideDia. 피치	Pilot Bore 기준경		Hub 보스		Weight 중량 kg
	DP	Do	min.	max.	DH	L	
8	204.1	227	30	70	115	80	10.5
9	228.4	251	30	70	114	80	12.5
10	252.8	276	30	75	120	80	15.0
11	277.3	300	30	75	120	85	18.5
12	301.8	325	30	75	120	85	20.5
14	351.2	374	30	80	130	100	24.0
16	400.4	423	30	85	140	100	30.0
18	449.8	473	30	85	140	100	34.0
20	499.8	522	30	85	140	100	41.0
22	548.9	572	40	90	145	100	50.0
24	598.4	621	40	90	145	100	57.0
30	747.3	770	40	90	145	100	78.0

DBC B10100

unit : mm

No. of Teeth 잇수	Pitch Dia. 피치	OutsideDia. 피치	Pilot Bore 기준경		Hub 보스		Weight 중량 kg
	DP	Do	min.	max.	DH	L	
6	200.0	218	30	75	120	85	9.0
8	261.3	279	30	80	125	85	16.5
9	292.4	310	30	80	125	85	19.8
10	323.6	342	30	80	130	85	22.7
11	355.0	373	30	80	130	85	27.1
12	386.4	404	30	80	130	85	30.0
14	449.4	467	30	85	140	90	35.5
16	512.6	531	40	90	145	100	45.0
18	575.9	594	40	90	145	100	50.0
20	639.3	657	40	95	150	100	58.0

DBC B16103

unit : mm

No. of Teeth 잇수	Pitch Dia. 피치	OutsideDia. 피치	Pilot Bore 기준경		Hub 보스		Weight 중량 kg
	DP	Do	min.	max.	DH	L	
6	206.4	238	30	75	120	85	12.5
8	269.7	302	30	85	140	90	23.2
9	301.7	334	40	90	145	100	28.0
10	334.0	366	40	90	145	100	32.2
11	366.3	398	40	95	150	105	38.5
12	398.7	431	40	95	150	105	42.5
14	463.3	496	40	100	160	110	50.0
16	529.0	561	40	100	160	115	64.4
18	594.3	626	50	105	170	120	73.5
20	659.7	692	50	110	175	120	84.0

DBC B10150

unit : mm

No. of Teeth 잇수	Pitch Dia. 피치	OutsideDia. 피치	Pilot Bore 기준경		Hub 보스		Weight 중량 kg
	DP	Do	min.	max.	DH	L	
6	300.0	305	30	80	130	90	19.0
8	392.0	410	40	90	145	100	31.7
9	438.6	457	40	90	145	100	36.0
10	485.4	503	40	95	150	105	40.1
11	524.4	550	40	95	150	105	45.0
12	579.6	598	40	100	160	110	52.0
14	674.1	692	50	105	165	115	63.2
16	768.9	787	50	105	170	120	75.3

*DP=Pitch Dia, Do=Outside Dia, T=Thickness of Teeth
 *d=Pilot Bore(min.~max.), DH=Hub Dia, L=Length thru Bore

Specifications and dimensions in this catalogue are for reference purposes.
They may be modified according to work conditions and environments.
Please contact us before the designing process for further information

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