

DONGBO CHAIN GENERAL CATALOGUE

ROLLER CHAIN LEAF CHAIN ENGINEERING CHAIN



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DBC
DONGBO 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 무역의 날 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 contributive 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.

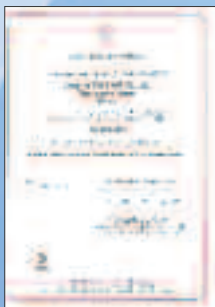
Our fundamental policy Producing the most qualified chain used in all the industrial fields lasts as our first and final goal unchanged in the past, at present and in the future.

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.

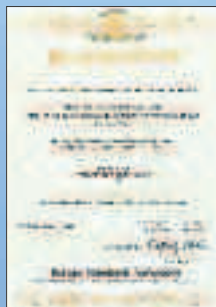
Strict quality management system assured by ISO 9001:2000 certificate acquisition
 KS (Korean Standard) and JIS (Japan Industrial Standards) certificate acquired
 products with advanced quality
 Quality Certificate by MAN Diesel & Turbo
 Complete technical aid from laying out stage
 Thorough & step by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

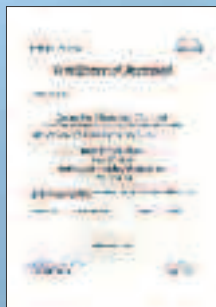
Main Factory



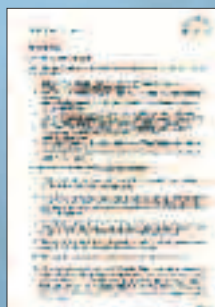
ISO 9001



KS



MAN Diesel & Turbo



MAN Diesel & Turbo



JIS



싱글 PPM

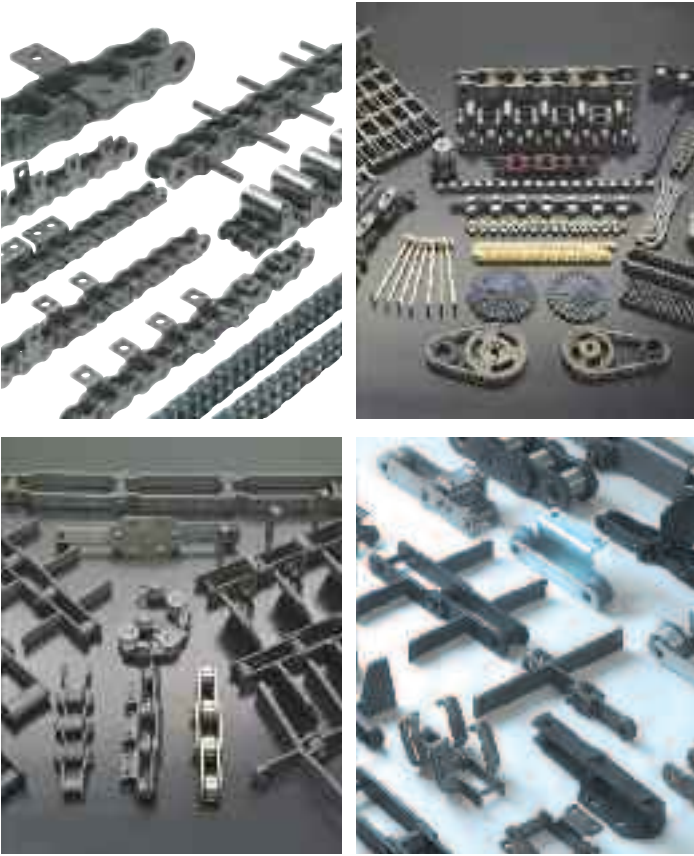
China Factory



JIS



KS



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Power Transmission Roller Chain



PART 1.



Power Transmission Roller Chain
동력전달용 로울러체인

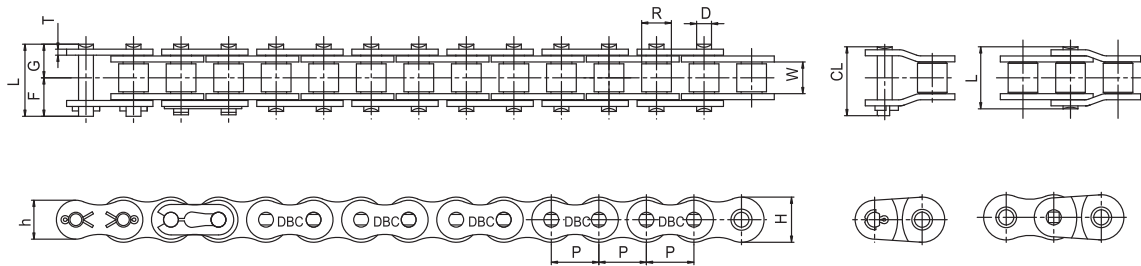
ANSI Standard Roller Chain - Single Strand

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.



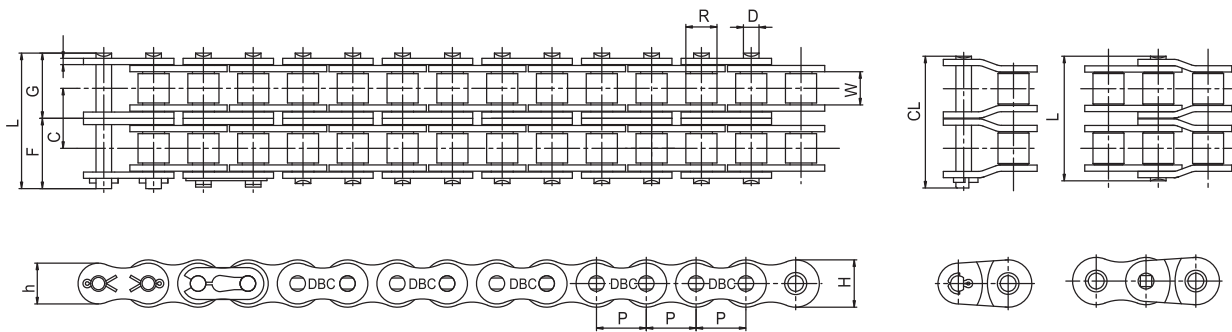
unit : mm

| 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

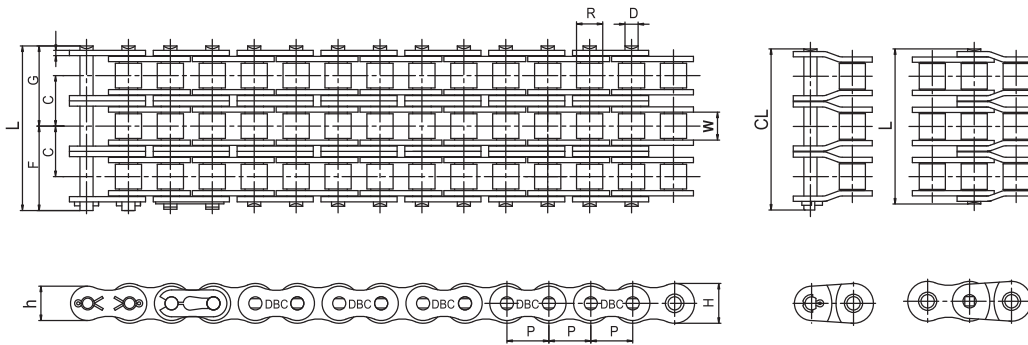


unit : mm

| 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

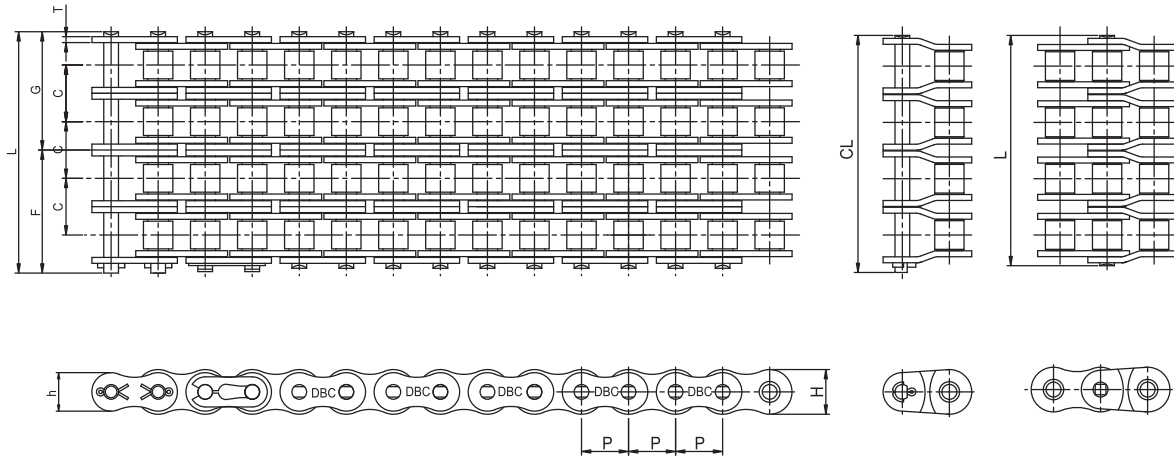


unit : mm

| 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 | 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

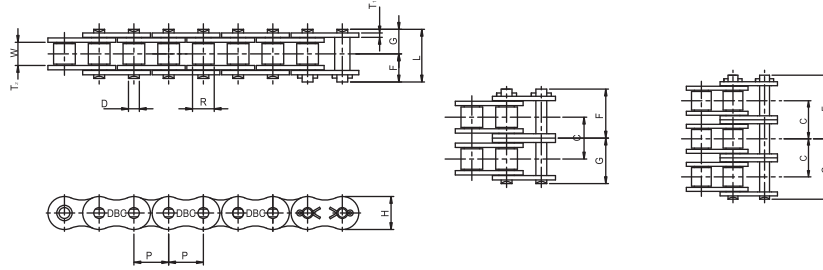


unit : mm

| 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

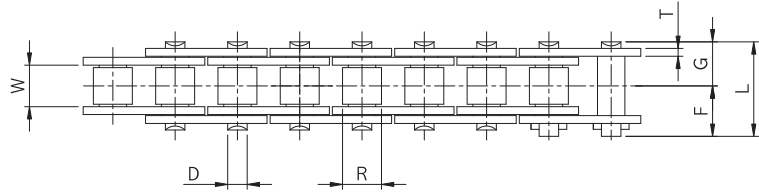
| DONG BO Chain No. | | Pitch | Inner Width | Roller Dia | Plate | | | | Pin | | Transverse pitch | Min. Breaking Load |
|----------------------|--------------|--------|-------------|------------|-------|-------|--------|--------|-------|--------|------------------|--------------------|
| Standard Designation | 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

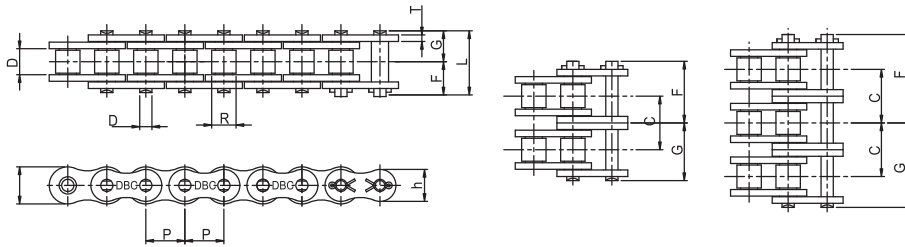
| DONG BO Chain No. | Pitch | Inner Width Link Plates | Roller Dia | Plate | | Pin | | | | Transverse pitch | Min. Breaking Load | Max. Allowable Load | Approx Weight |
|-------------------|--------|-------------------------|------------------|-------|------------------|------------------|-------|--------|--------|------------------|--------------------|---------------------|---------------|
| | P | W _{min} | R _{max} | T | H _{max} | D _{max} | L | F | G | C | kgf | kgf | kg / m |
| 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 | | | Pin | | | Transverse Pitch C | Max. Allowable Load(kgf) | Approx Weight (kgf) |
|-------------------|---------|---------------|--------------|-------|---|---|-----|---|---|--------------------|--------------------------|---------------------|
| | | | | T | H | h | D | 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.

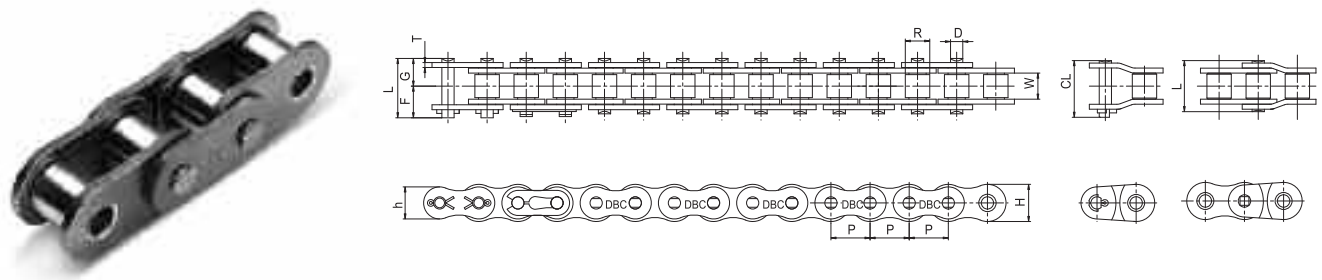
- Customer Satisfaction is a priority of **NEX 1** Chain
- **NEX 1** Chain which is made of changing the material of each part , Application of Solid Bush , Newest Heat-Treatment Method(Patent No. 2014-0024916).
- 10 % Increase of Guaranteed Breaking Load , 50 % Decrease of chain's elongation , Improvement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

(All dementions are same as Standard Roller Chain)

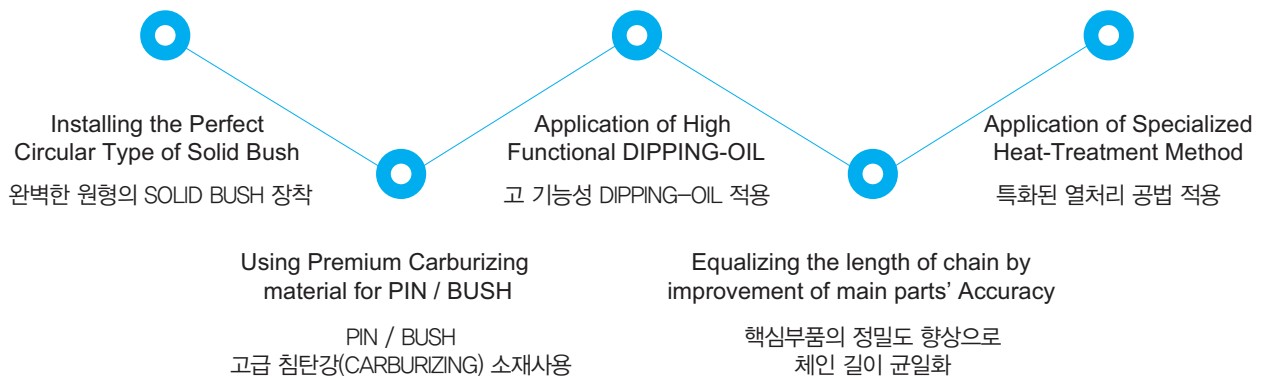
NEX 1 체인이란?

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)

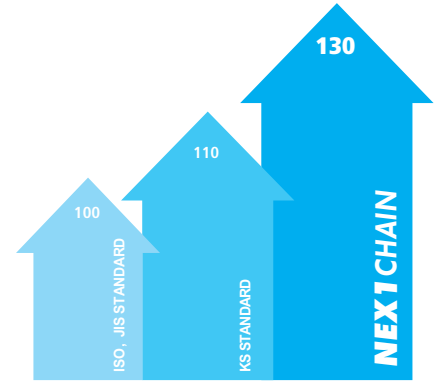
넥스1 체인

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

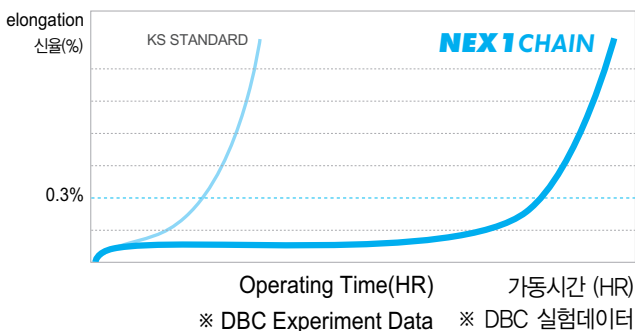
Improvement of Wear Resistance / 체인의 내마모성 향상

- 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 FUCTIONAL DIPPING-OIL APPLICATION

신개념 고기능성 DIPPING-OIL 적용

- HIGH FUCTIONAL 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



PART 2.



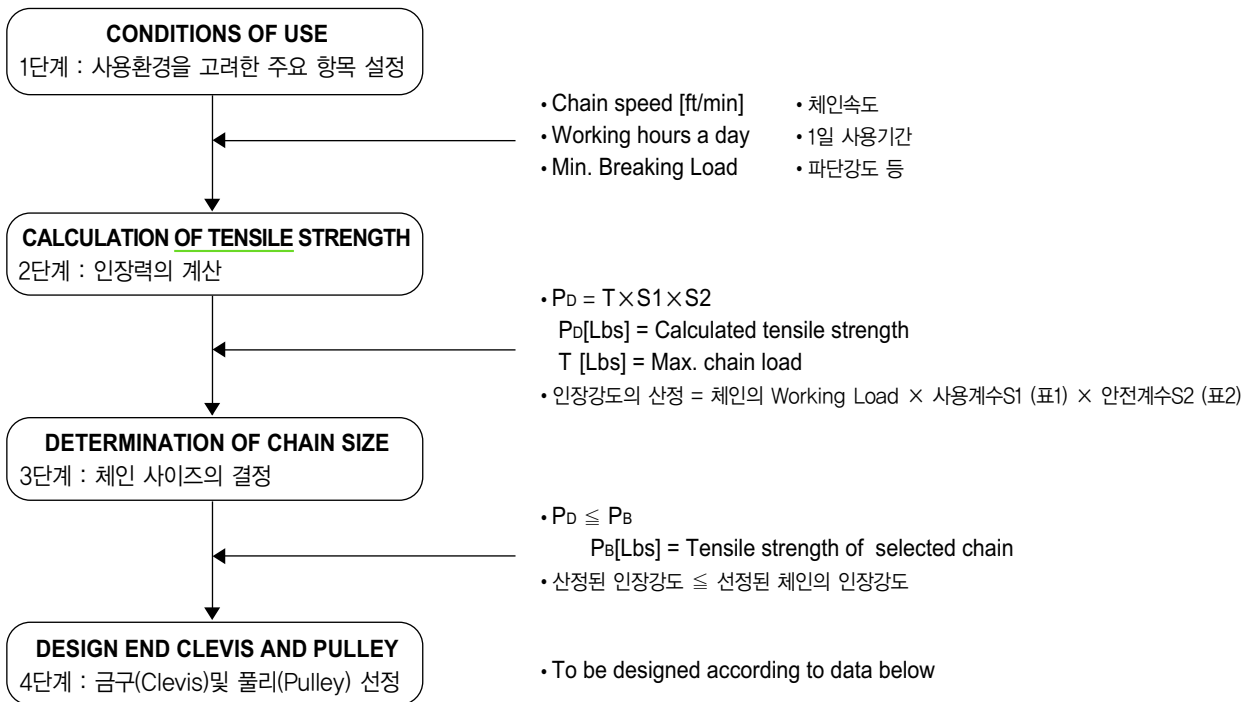
Leaf Chain
리프체인

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 | |

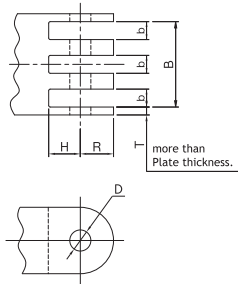
End Clevis (U-LINK) 금구 End Clevis

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

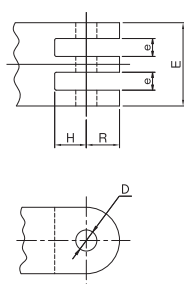
금구에는 내판 또는 외판 체결용으로 2가지의 종류가 있으며 높은 강도를 요구하므로 합금강 및 열처리 되어진 제품을 사용해야 합니다.

[AL / LL Type]

Clevis for inner Link
내판 체결용 금구

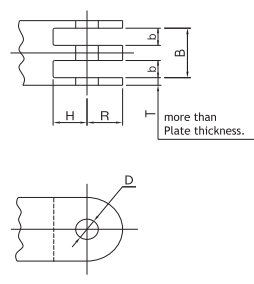


Clevis for outer Link
외판 체결용 금구

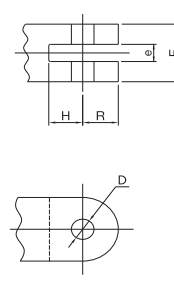


[BL Type]

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

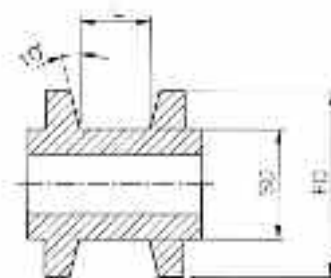
L = Min. groove width = (Overall pin length) × 1.05

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



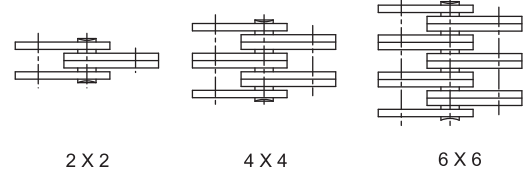
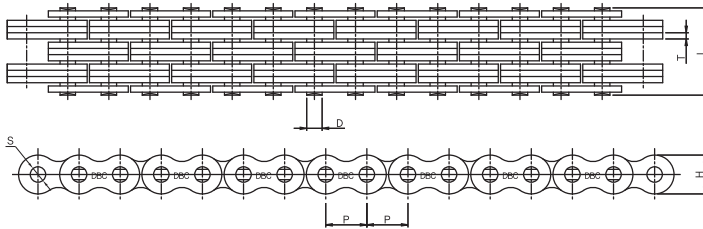
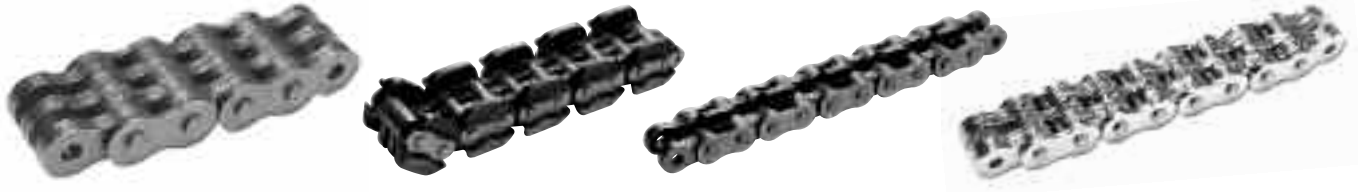
Leaf chain

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 |

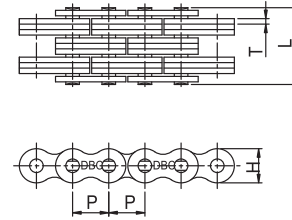
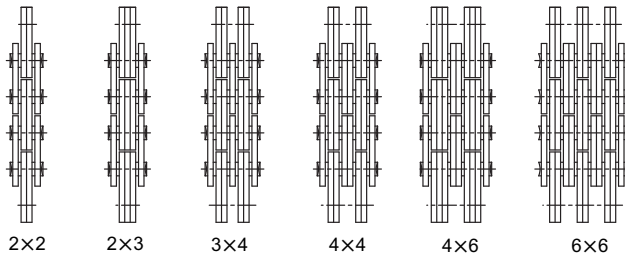
Note) Plate layouts and dimensions of A, B type Leaf Chains can be custom-made according to order.

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

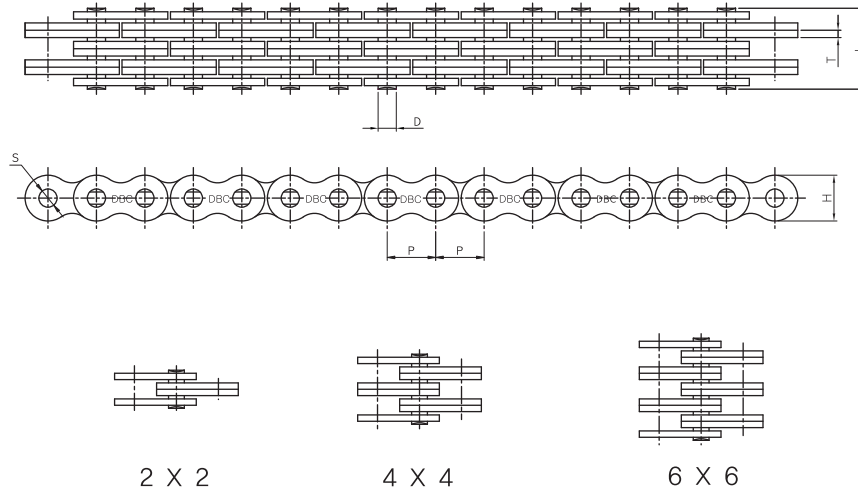
| DONG BO Chain No. | Lacing 배열 | Pitch P | Plate | | | Pin | | Breaking Load (Kgf) | | Approx Weight Kg/m |
|-------------------|-----------|---------|-------|------|-------|-------|--------|---------------------|---------|--------------------|
| | | | T | H | S | D | L | DBC | A.N.S.I | |
| DBC BL-422 | 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

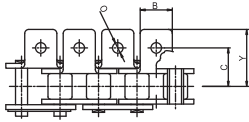
표준형 어태치먼트 체인

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

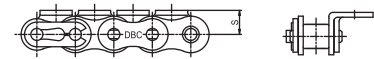
* Available in <Environment Resistant Chain Series : Stainless Steel, Chrome-Plated and Nickel-Plated Chain Series>

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

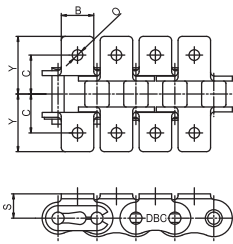
* 내식, 내열 환경에 적합한 도금형 / 스테인리스 재질 타입도 공급됩니다.



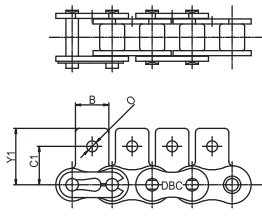
A-1



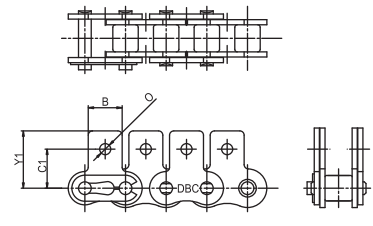
K-1



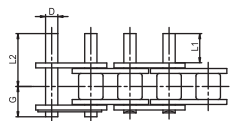
SA-1



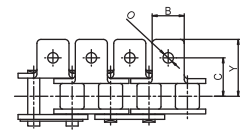
SK-1



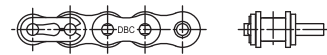
D-1



D-3



AA-1



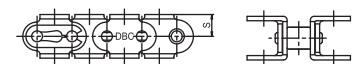
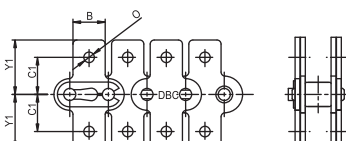
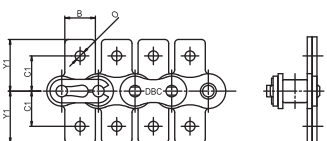
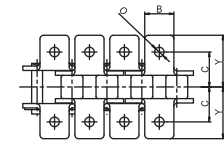
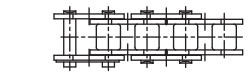
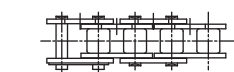
SAA-1



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 명 칭 | Description 의 미 |
|---------------------------------|---|--|
| 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

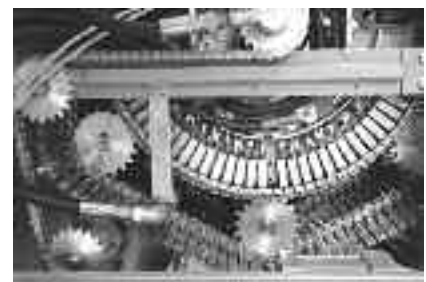
Bend Att. *, One Side, Vertical type
수직형 어태치먼트 플레이트가 한쪽방향에만 부착

-2

Indicate that attachment has two holes
어태치먼트의 HOLE 2개

/ 2L

Spacing of Attachment
어태치먼트 플레이트가 2링크마다 부착

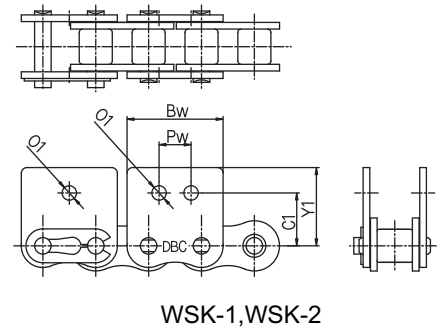
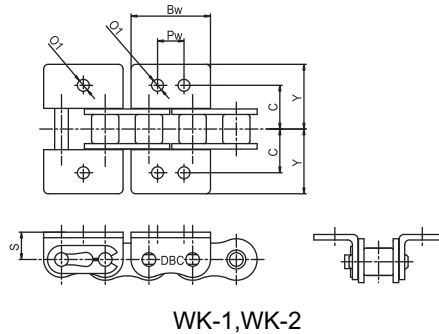
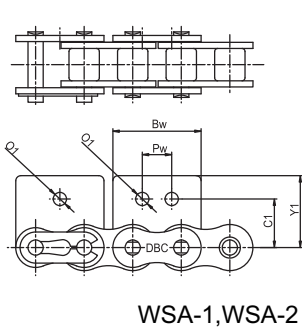
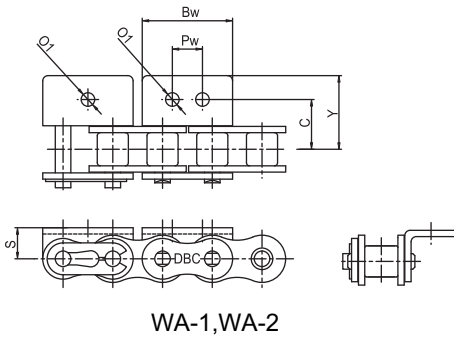


Standard Attachment Chain

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

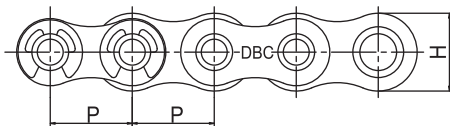
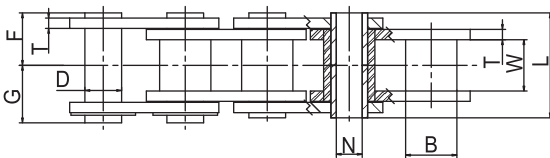
홀로우-핀 체인

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.

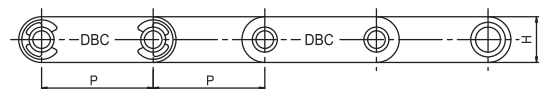
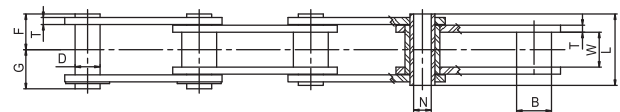


Single Pitch Type : 표준형

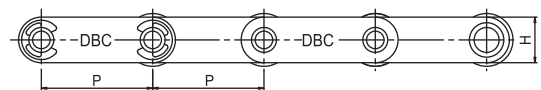
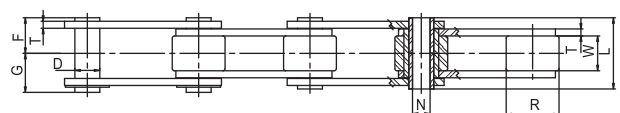


Double Pitch Type : 더블피치형

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 | | | | | | | | | | |

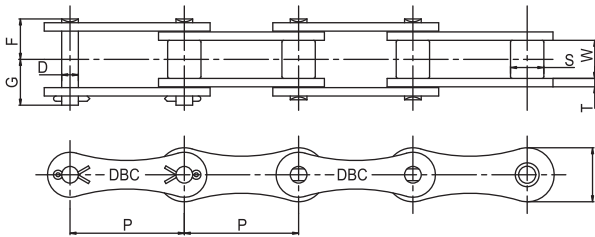
Double Pitch Chain

더블피치 체인

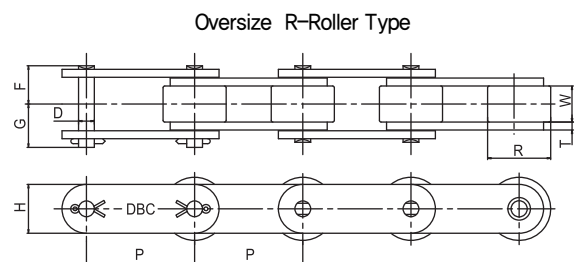
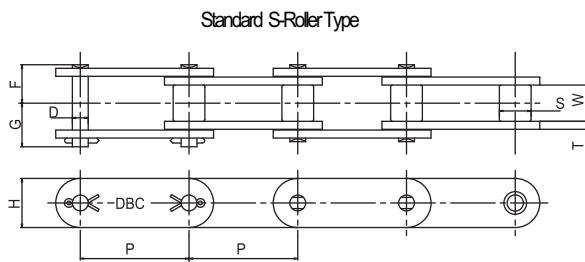
- * Dong Bo Double Pitch Chain conform to ANSI and manufactured in <Environment Resistant Chain Series > as are single pitch chain.
- * Heavy side plates are used for 2060H, 2062H and up

- * 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



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 |

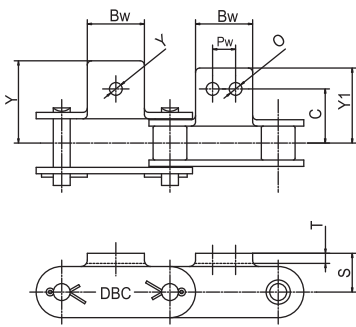
Type-C

| | | | | | | | | | | | | |
|-------------------|--------|-------|-------|-------|-----|------|-------|-------|-------|--------|-------|-------|
| 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 |

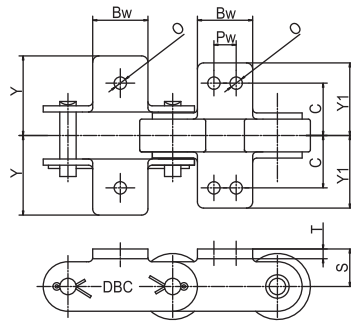
* C2040 ~ : standard S-Roller Type * C2042 ~ : Oversize R-Roller Type

Double Pitch Attachment Chain

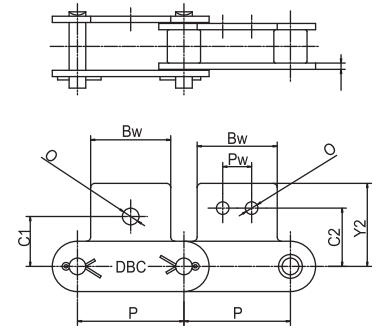
더블피치 어태치먼트 체인



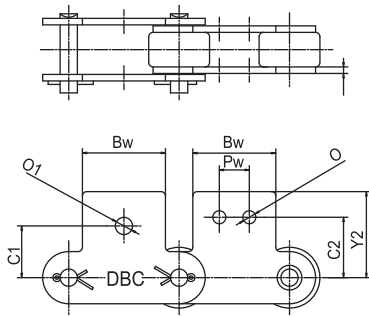
A-1, A-2 Att. □



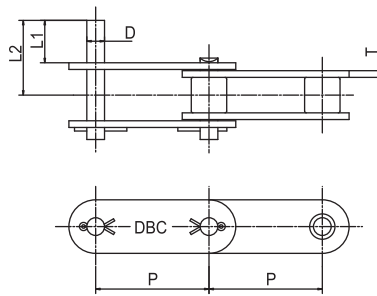
K-1, K-2 Att.



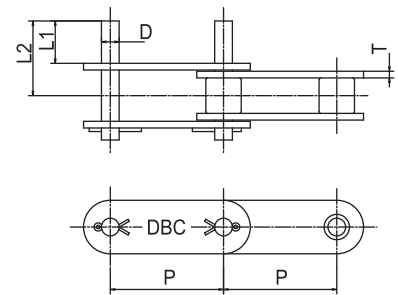
SA-1, SA-2 Att.



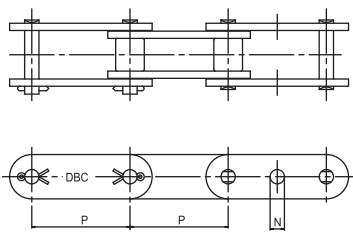
SK-1, SK-2 Att.



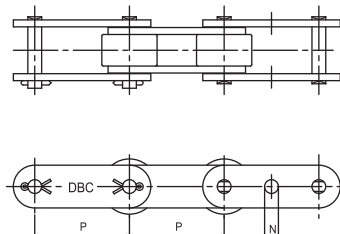
D-1 Att.



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.

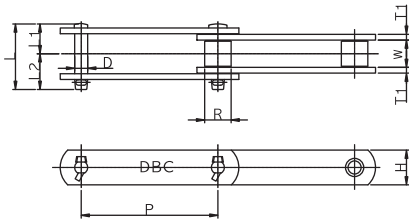
Comparative Table of Standard Conveyor Chain

표준형 컨베이어 체인번호 비교표

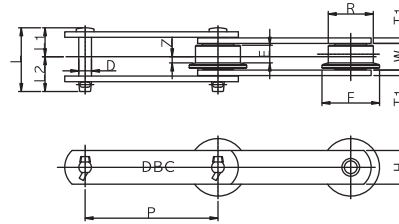
| DONG BO Chain No. | | HITACHI | TSUBAKI | DAIDO |
|-------------------|--------------|----------|----------|---------|
| DBC | 430 | HR 10105 | RF 430 | DK 4008 |
| DBC | 204 | HR 66081 | RF 204 | DK 4004 |
| DBC | 450 | HR 10108 | RF 450 | DK 4009 |
| DBC | 650 | HR 15208 | RF 650 | DK 4018 |
| DBC | 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

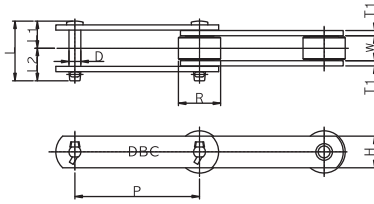
unit : mm

| 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 |

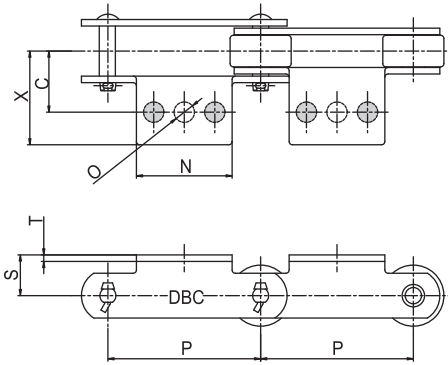
*R/o=Roller



Attachments for Standard Conveyor Chains

표준형 컨베이어 체인의 어태치먼트

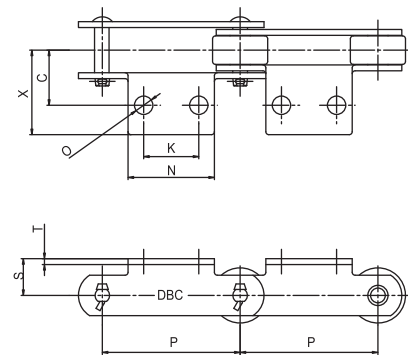
A-1 Attachment



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

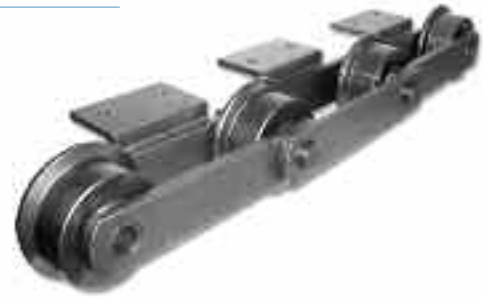
| DONG BO Chain No. | | Pitch P | Dimensions | | | | | | Add. Weight per Att. □ (kg) | |
|-------------------|---------------|------------|------------|----|-----|-----|-----|-----------|-----------------------------------|------|
| Basic Chain No. | Roller Type | | S | C | X | N | K | T | | O |
| DBC 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)

- 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.

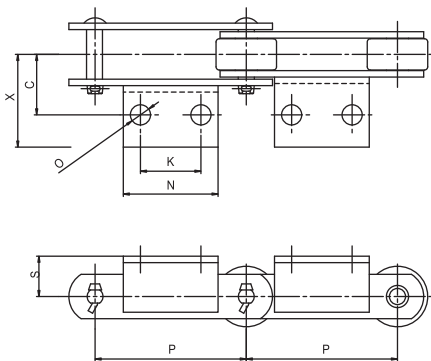
주)

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



unit : mm

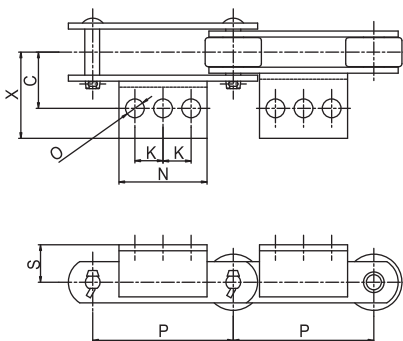
A-2 Attachment (Welded Type : 용접형)



| 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.

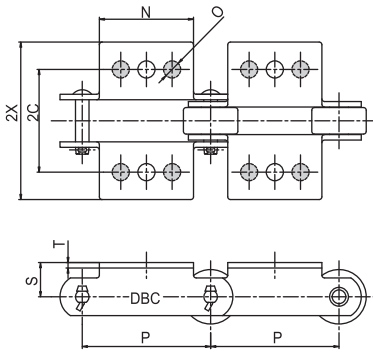
주)

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

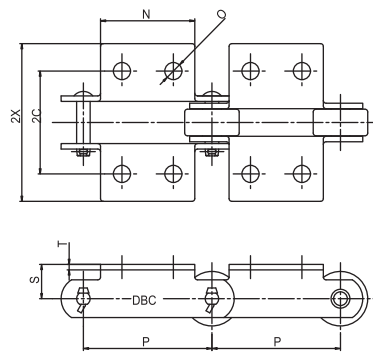
K-1 Attachment



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 |

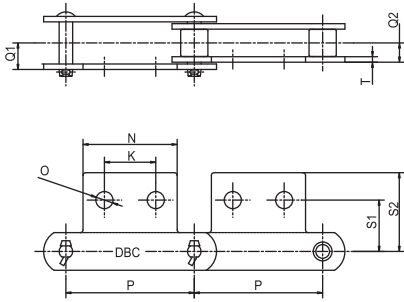
Note)

- 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.

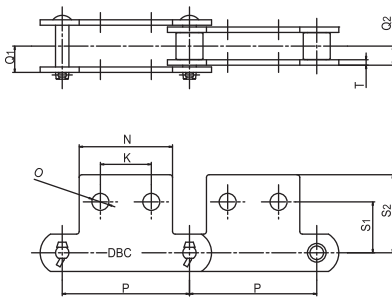
SA-2 Attachment



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



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 |

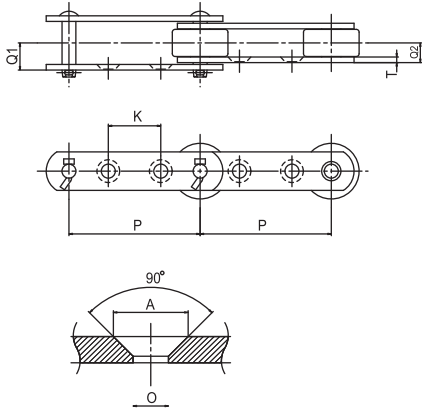
Note)
Numbers of Plate in brackets indicates the Stainless steel 300 Series.

주)
링크플레이트 ()내 치수는 스테인레스 300시리즈임.

Attachments for Standard Conveyor Chains

표준형 컨베이어 체인의 어태치먼트

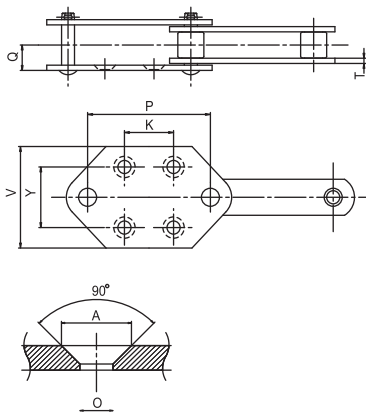
G-2 Attachment



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 | R · F · S · M | 200 | 80 | 7.9 | 35.5 | 26.5 | 26 | 15 |
| | R · F · S · M | 250 | 125 | | | | | |
| DBC 17200 17250 17300 | R · F · S · M | 200 | 70 | 9.5(10.0) | 45.5(46.5) | 35(35.5) | 26 | 15 |
| | R · F · S · M | 250 | 110 | | | | | |
| | 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



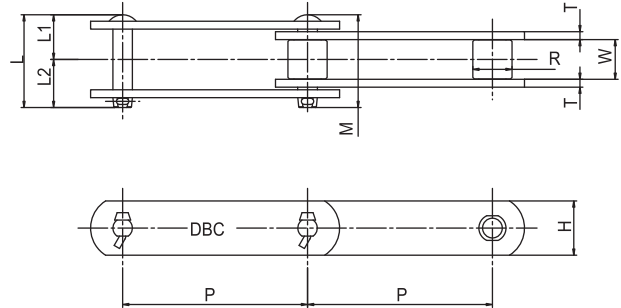
unit : mm

| 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)



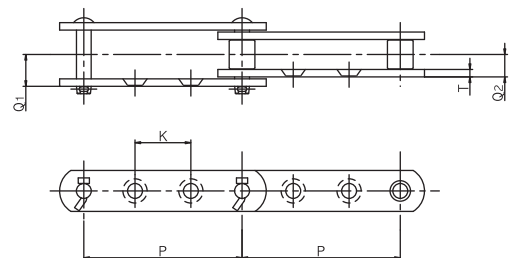
unit : mm

| 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

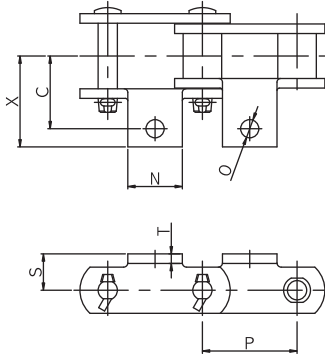
| DONG BO Chain No. | Pitch P | Dimensions | | | | |
|-------------------|---------|------------|-----|----------------|----------------|-----|
| | | K | T | Q ₁ | Q ₂ | d |
| DBC B07100 | 100 | 40 | 4.8 | 20.9 | 15.8 | 9.5 |
| DBC B10100 | 100 | 35 | 6.3 | 28.1 | 21.3 | 11 |
| DBC B10150 | 150 | 60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



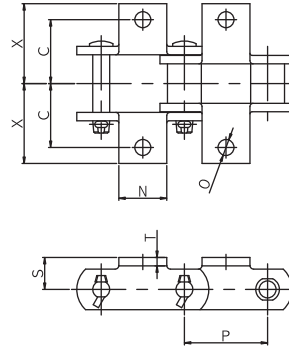
Attachments for Standard Conveyor Chain II (Bushed Type)

표준형 컨베이어 체인 II(부쉬드타입)

A-1 Attachment



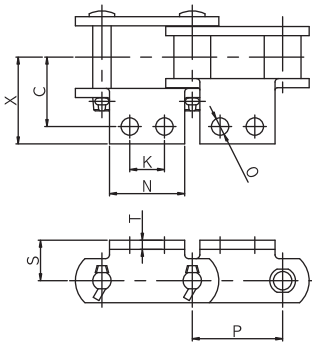
K-1 Attachment



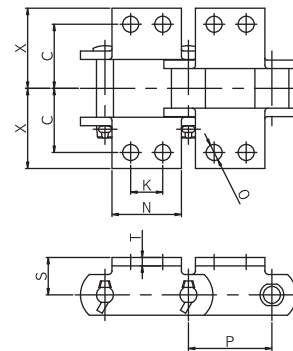
unit : mm

| 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



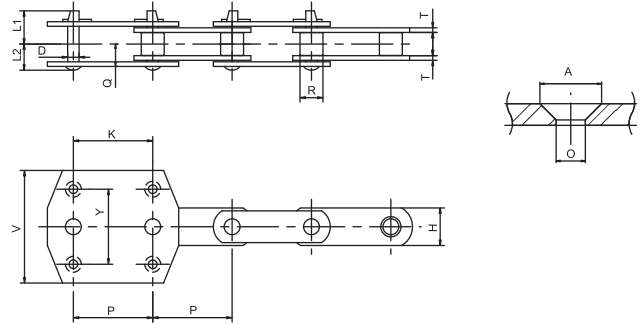
unit : mm

| 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

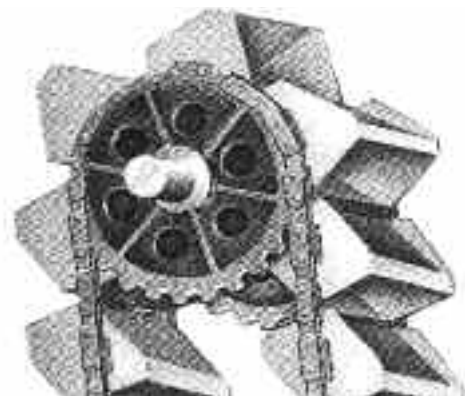
버킷 엘리베이터 체인

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 |
| 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 | 26.1 |
| 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

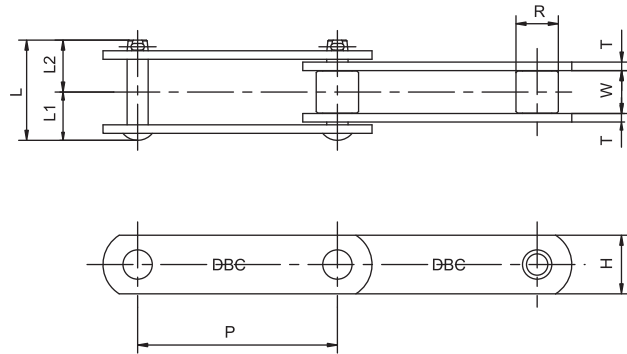
Cement Mill(or Factory), Coal Mining, Iron Works, Glass Industry, Heavy duty conveying applications, etc.

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

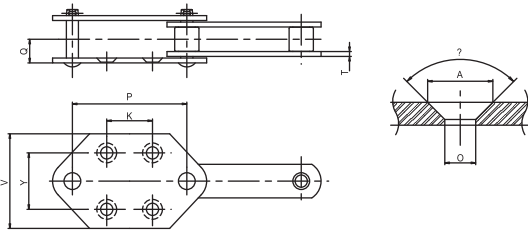
CEMENT공업, 유리요업, 채광, 제철공업
기타 마모에 대하여 가혹한 환경의 경우등.



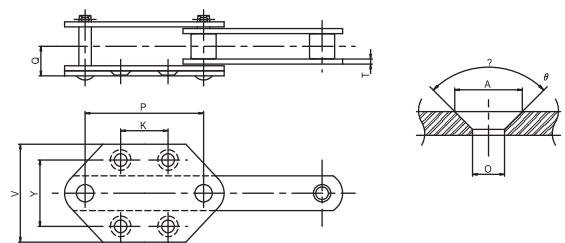
unit :mm

| 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 | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | |
| 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 | 159 | 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 | 172 | 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 | 197 | 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

unit : mm

| Chain No. | Pitch P | Dimensions | | | | | | | | | Add. Weight Per Attachment (at every second Link spaling) (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 | | 14.0 |
| | WB26200N | 200 | 120 | 100 | 80 | 9.5 | 48 | 26 | 15 | 90° | 18.3 |
| | WB26250N | 250 | 150 | 140 | 100 | | | 32 | 19 | | 17.8 |
| | WB36250N | 250 | 150 | 140 | 100 | 12.7 | 60 | 32 | 19 | 90° | 27.5 |

G-4 Double Attachment - Plate Type

unit : mm

| Basic Chain No. | Pitch P | Dimensions | | | | | | | | | Add. Weight Per Attachment (at every second Link spaling) (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 |



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.

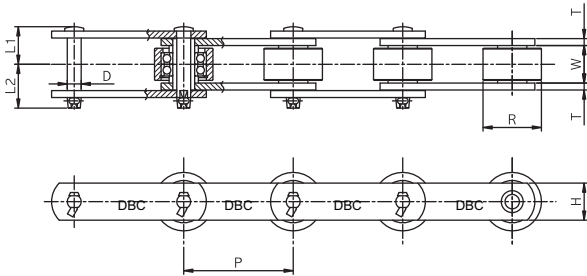
- Dimensions of the assembled chain and attachments are identical to general conveyor chains.
- General conveyor chain sprockets are used.
- Coefficient of rotating friction $f : 0.035 \sim 0.05$

로울러에 볼베어링을 넣거나 로울러와 부쉬 사이에 니이들을 넣은 형식의 체인입니다.

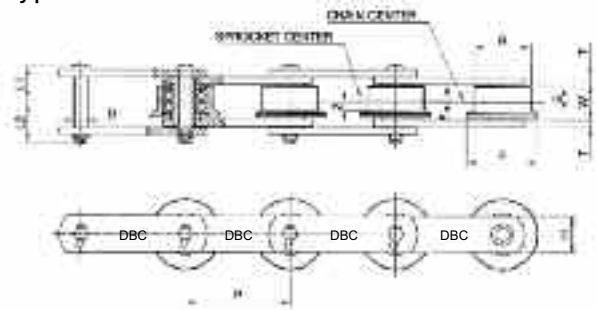
로울러의 회전마찰이 적어 체인의 구동손실이 적으며, 일반로울러에 비하여 로울러의 허용부하가 높습니다.

- 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



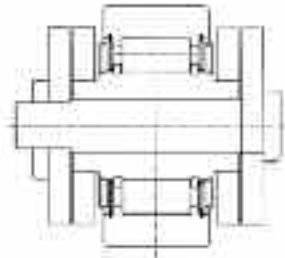
unit : mm

| 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 |

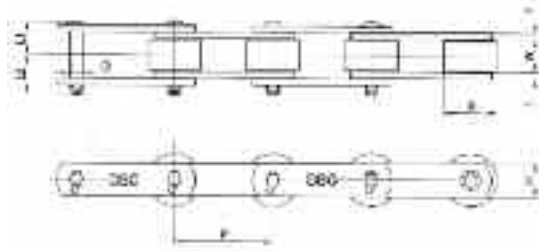
Note) Numbers within () are used when two bearings are contained in one roller.

주) ()내 치수는 1개의 로울러에 베어링 2개 내장시 적용.

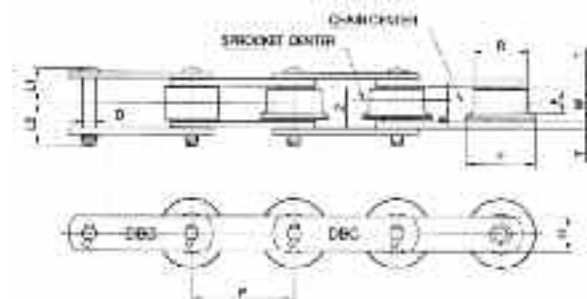
Needle bearing chains 니이들 베어링 체인



Section of Roller 로울러의 단면



Type-NBR



Type-NBF

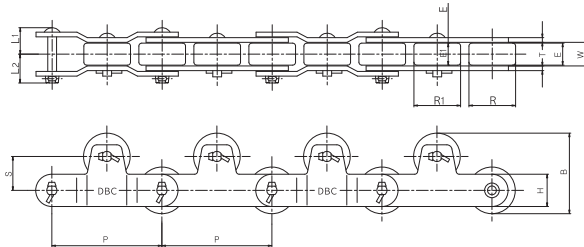
unit : mm

| 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 | 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 |

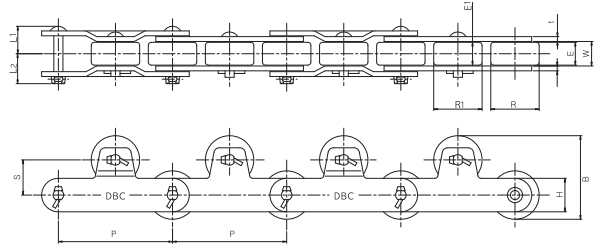
Top Roller Conveyor Chains

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

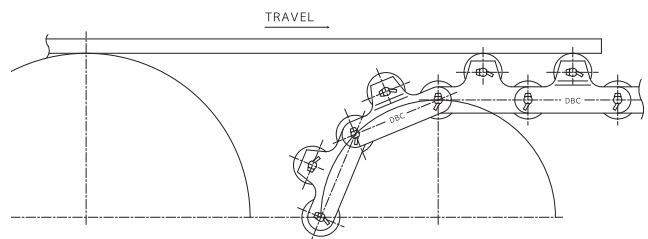
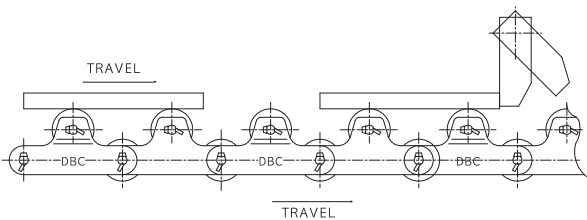
| DONG BO Chain No. | Pitch P | Approx weight | Roller | | Inner Width W | Plate | | Pin | | S | Top Roller | | B | Type | Add. weight per top roller (kg/each) | Max. Allowable Load per top roller (kg/each) | |
|-------------------|---------|---------------|--------|------|---------------|-------|------|------|------|------|------------|------|------|------|--------------------------------------|--|--------------|
| | | | 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

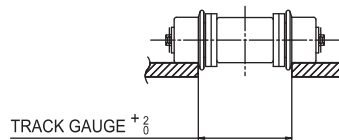
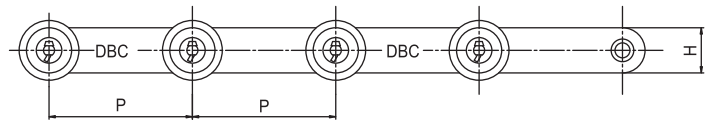
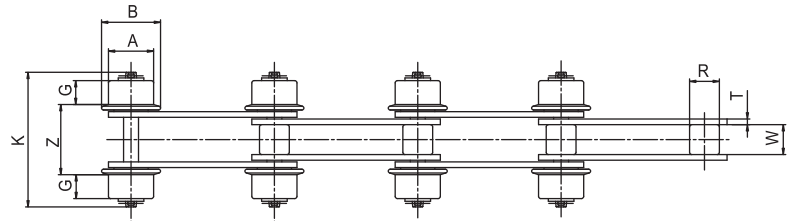
사이드 로울러 컨베이어 체인



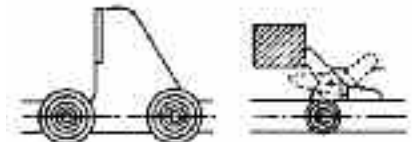
* Pictured chain is Side Roller conveyor chain with K-2 Attachment
 * 사진은 K-2 어태치먼트 부착형

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 | | | | | | | | | | | | | | |
| DBC 05100S-SR | 100 | 22.2 | 22 | 4.5 | 32 | 40 | 50 | 14 | 102 | 55 | 57 | 0.5 | 120 | 200 | |
| 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 | | | | | | | | | | | | | | |
| DBC 17250S-SR | 250 | 40.1 | 51.4 | 9.5 | 50.8 | 65 | 80 | 24 | 192 | 112.5 | 114.5 | 3.8 | 320 | 540 | |
| DBC 17300S-SR | 300 | | | | | | | | | | | | | | |
| DBC 26200S-SR | 200 | | | | | | | | | | | | | | |
| DBC 26250S-SR | 250 | 44.5 | 57.2 | 9.5 | 63.5 | 80 | 100 | 34 | 229 | 124.5 | 126.4 | 6.9 | 500 | 860 | |
| DBC 26300S-SR | 300 | | | | | | | | | | | | | | |
| DBC 36250S-SR | 250 | | | | | | | | | | | | | | |
| DBC 36300S-SR | 300 | 50.8 | 66.7 | 12.7 | 76.2 | 100 | 125 | 38 | 268 | 151 | 153 | 11.7 | 670 | 1130 | |
| 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

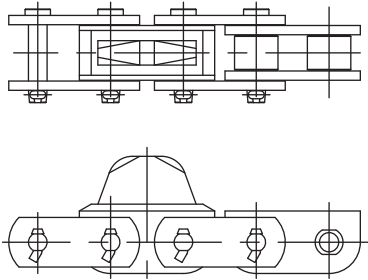
특수 어태치먼트 부착형 컨베이어체인

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

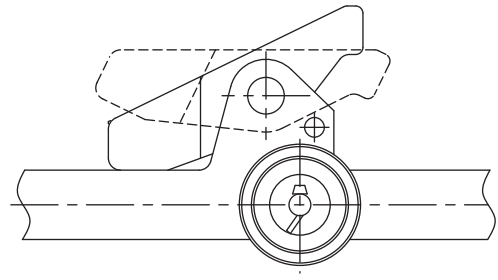
Dong Bo Chain is available at any time for technical advice, optimal design of chain drives.

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.

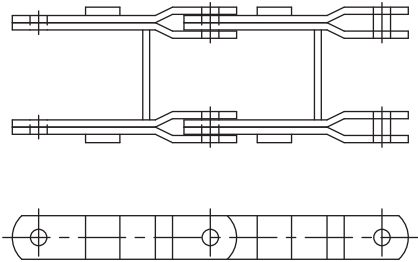
Dog Chain [도그체인]



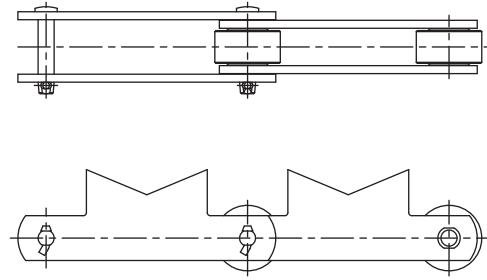
Dog Chain [도그체인]



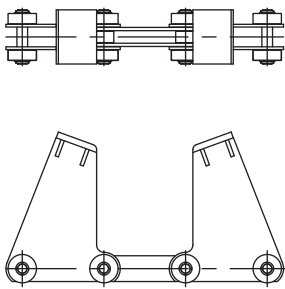
Flight Chain [플라이트 체인]



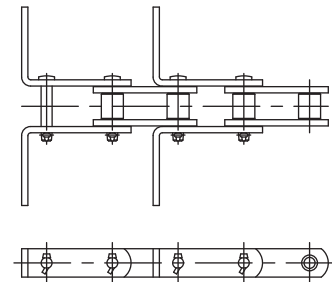
Chain for steel bar transportation Chain [환강(丸鋼)반송용 체인]



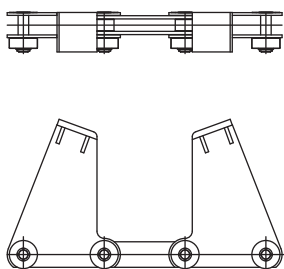
Saddle Chain [새들 체인]



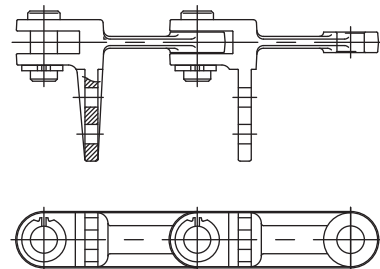
Scraper Chain [스크레이퍼 체인]



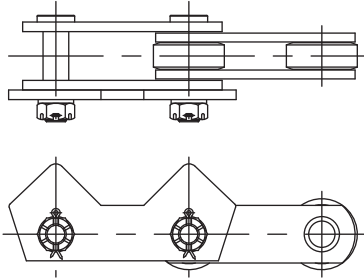
Saddle Chain [새들 체인]



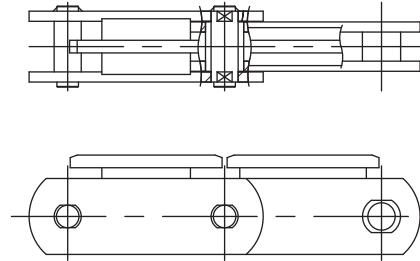
Case Chain [케이스 체인]



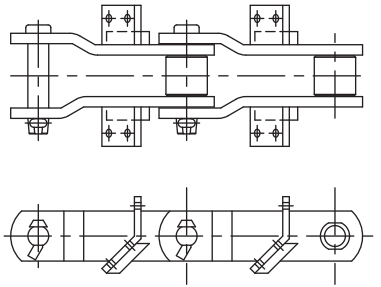
Chain for section steel transportation Chain [형강반송용 체인]



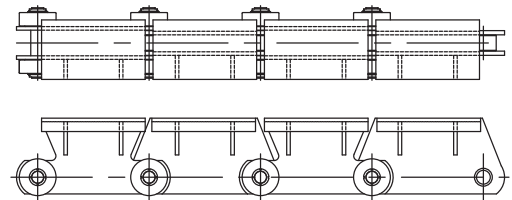
Top plate Chain [톱플레이트 체인]



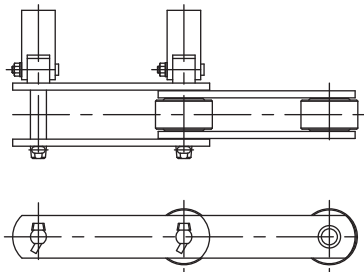
Digester Chain [다이제스터 체인]



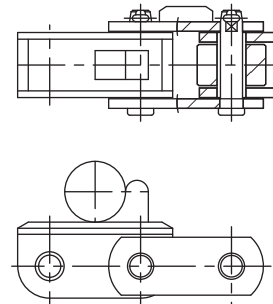
V-Saddle Chain [V-새들 체인]



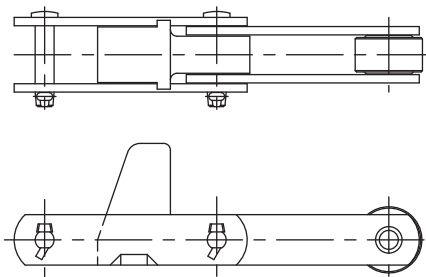
Hinged Chain [힌지드 체인]



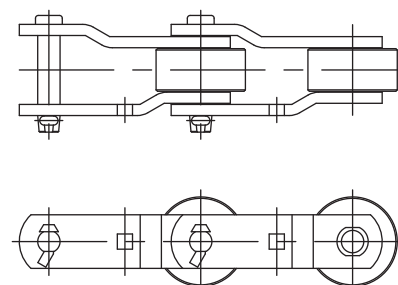
Dog Chain [도그체인]



Dog Chain [도그체인]



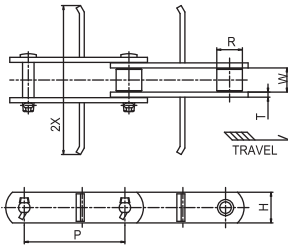
Bottle-Washer Chain [세병기용 체인]



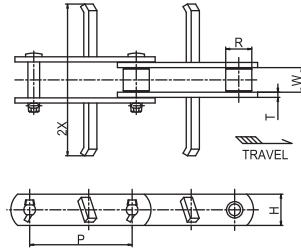
Attachments for Flow Conveyor Chain

플로우 컨베이어용 체인 어태치먼트

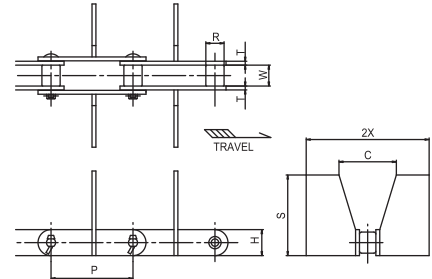
L Attachment



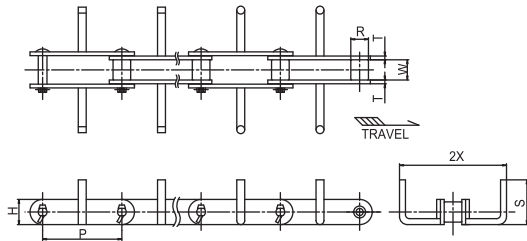
KL Attachment



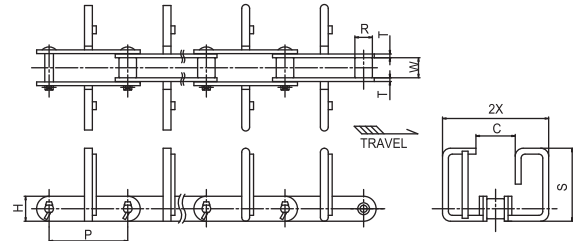
W Attachment



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

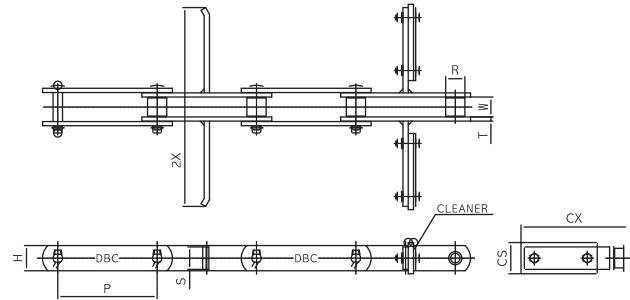
| Attachment Type 어태치먼트형식 | Application 적 용 | Attachment Type 어태치먼트형식 | Application 적 용 |
|----------------------------|---|---|---|
| L, KL | For conveying powder items including cement and grains such as wheat For conveying powder items with high adhesiveness 밀등의 곡류 및 시멘트 등 분체 수송물 부착성이 큰 분체 수송물 | U 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

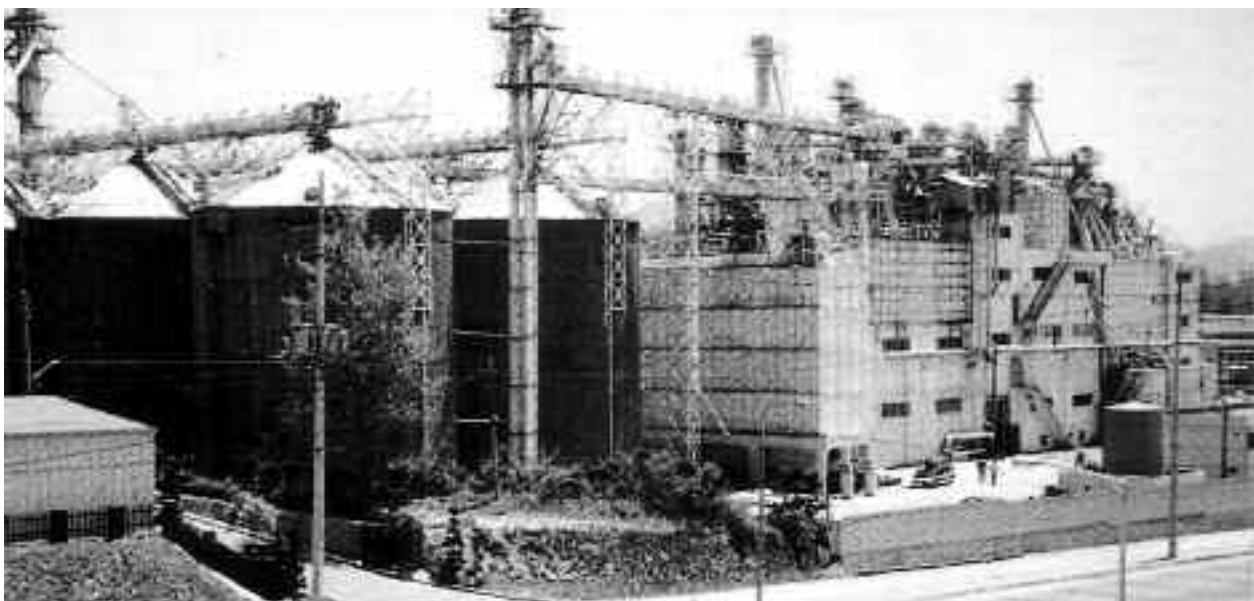
This is a horizontal Scraper (within 10° gradient, adjustable upward or downward) Chain for conveying grains.
 Purpose of the scratch plate is to prevent conveyed items from breaking, and the cleaner prevents conveyed items from remaining in the case.

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 |

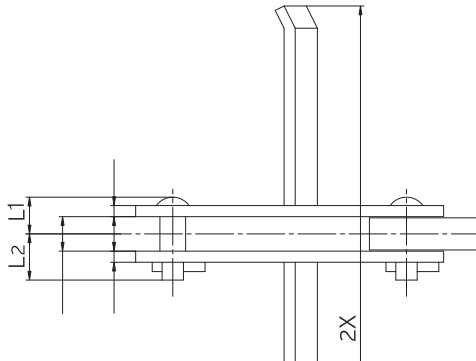


NB type Flow Conveyor Chains

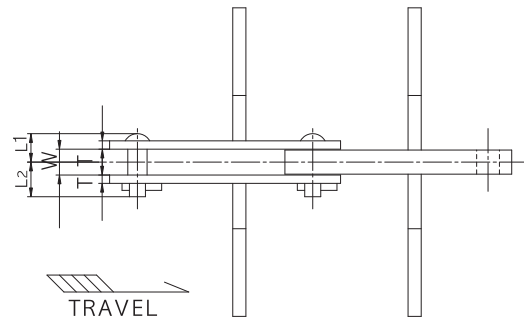
NB형 플로우 컨베이어용 체인



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 |

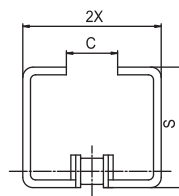
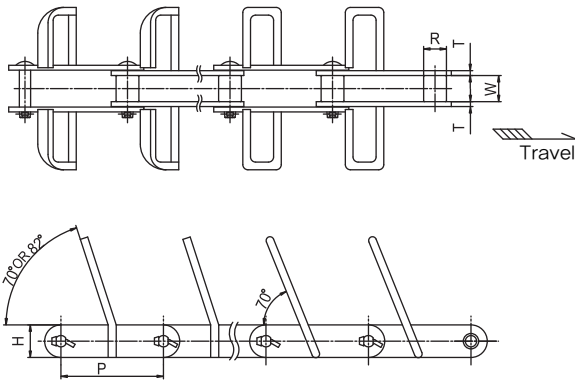
unit : mm

| 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 |

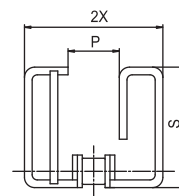
*Compatible conveyor No. =사용컨베이어 형번

Slant, Vertical Flow Conveyor Chain

경사, 수직 플로우 컨베이어 체인



U Attachment

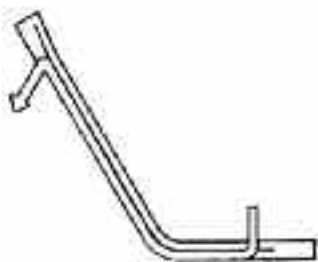


U₂ Attachment (DBC 450W-M)
U₂N Attachment (DBC 10125M and larger)

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 | 480 580 | 260 305 | 120 140 | 42.5 47.2 | 260 305 | 120 140 | 47.0 53.0 |
| | 300 | 57.2 | 66.7 | 12.7 | 76.2 | 480 580 | 260 305 | 120 140 | 42.5 47.2 | 260 305 | 120 140 | 47.0 53.0 |

Application of Attachment 어태치먼트 형식별 용도



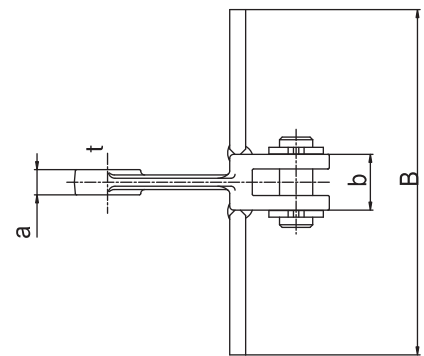
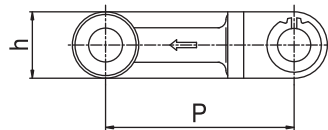
| Attachment Type 어태치먼트형식 | Application 적 용 | Attachment Type 어태치먼트형식 | Application 적 용 |
|----------------------------|--|----------------------------|---|
| U환(round) | For conveying general powder items 일반 분체 수송물 | U ₂ 환(round) | For conveying items at higher conveyance efficiency than U-round type 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

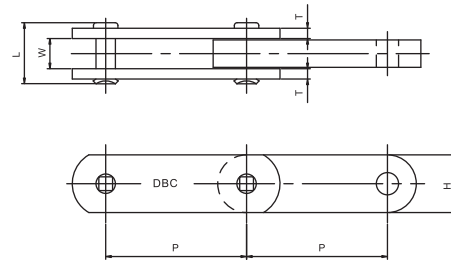
| DONG BO Chain No. | Pitch P | Dimensions of Link | | | | Dimensions of Att. □ B | Avg. Breaking Load (kgf) | Max. Allowable Load (kgf) | Weight of Chain (kg/m) |
|----------------------|------------|--------------------|----|----|----|------------------------------|--------------------------------|---------------------------------|------------------------------|
| | | 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

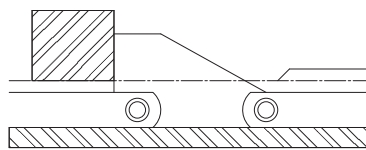


| DONG BO Chain No. | Pitch P | Inner width W | Pin L | Plate | | Avg. Breaking Load (kgf) | Approx. Weight (kg/m) |
|-------------------|---------|---------------|-------|-------|------|--------------------------|-----------------------|
| | | | | T | H | | |
| DF30150 | 150 | | | | | | 7.0 |
| DF30200 | 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

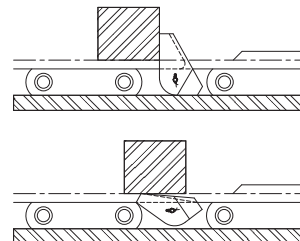
Fixed Dog 고정도그

내측, 혹은 외측링크를 높여 수송물을 미는 형식



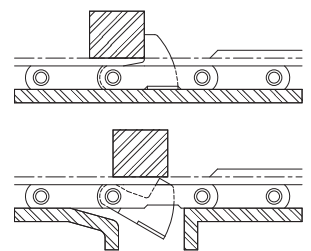
Tilting 톨팅

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.

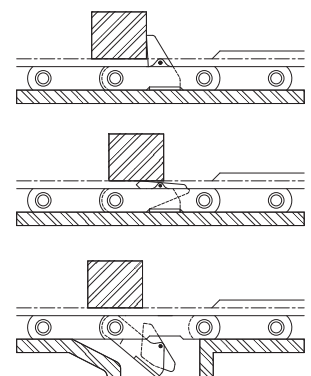


Tilting & Ducking Dog 톨팅 & 더킹도그

톨팅도그와 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.

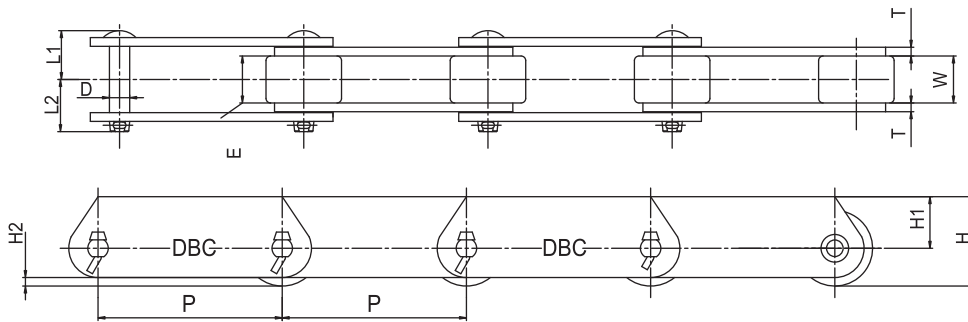
Application

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 | L ₁ | L ₂ | Standard Series | Heavy Series | Standard Series | Heavy Series | | |
| | | | | | | | H ₁ | H ₂ | | | | | | | | | |
| 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.

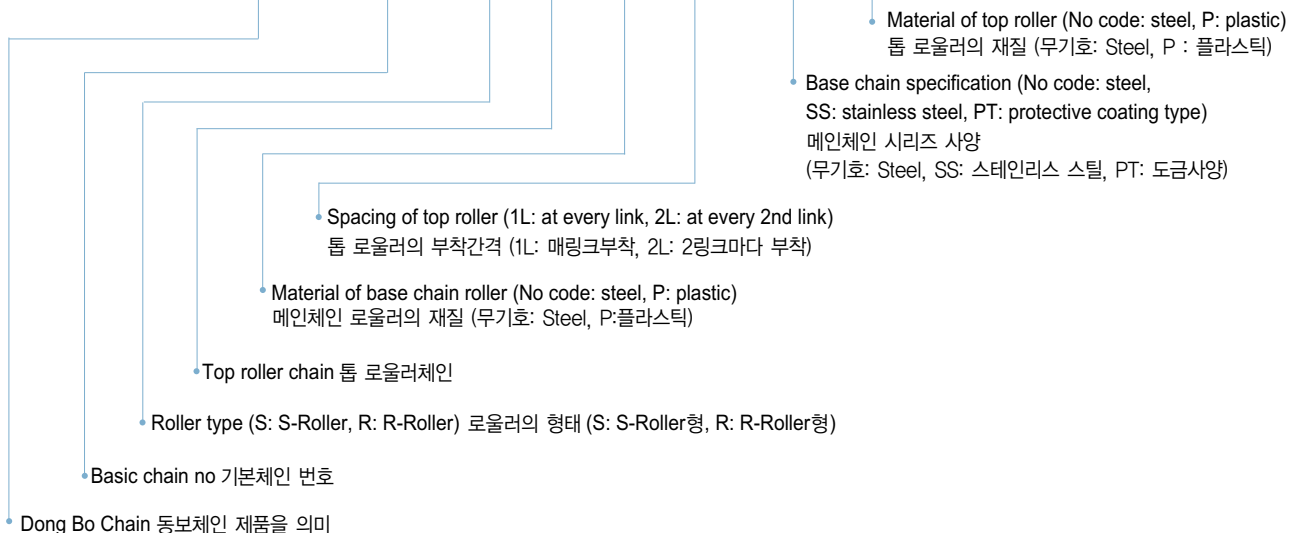
- 스틸 톱 로울러 선택 시: 허용하중 및 사용 허용온도 (-10°C ~150°C)가 상향됨
- 플라스틱 톱 로울러 선택 시: 경량, 저소음, 주행 저항의 감소로 체인에 대한 장력이 감소되는 장점이 있으나 사용 허용온도 (-10°C ~60°C)가 낮아지는 단점이 있습니다.

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 | |

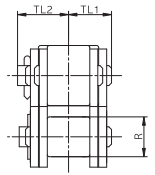
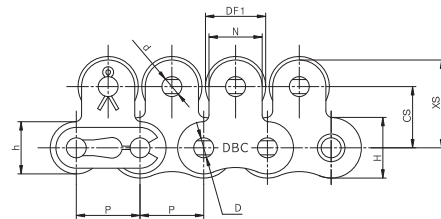
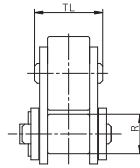
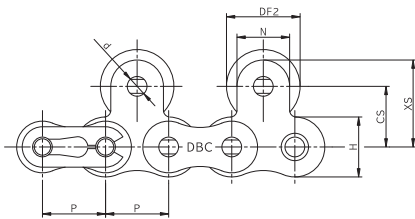
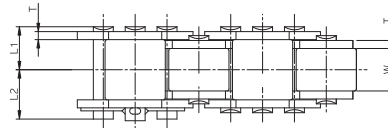
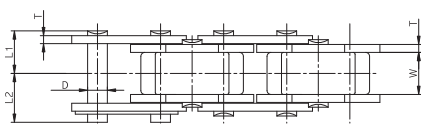
Designation of Top Roller Chain 호칭 번호 부여의 예

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.

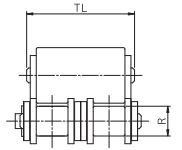
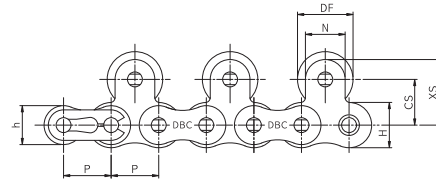
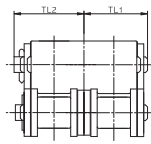
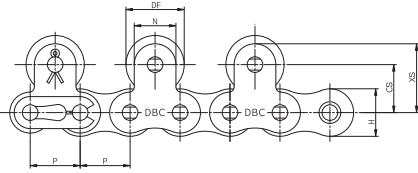
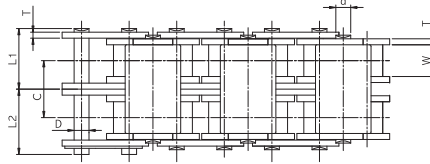
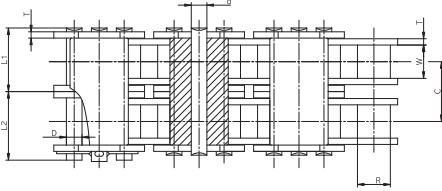


Top Roller Chains

톱 로울러 체인

Single Pitch Top Roller Chains 표준형 톱 로울러 체인

Double strand 2열



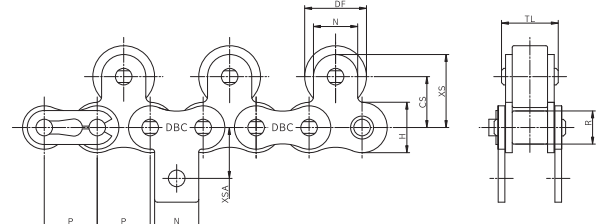
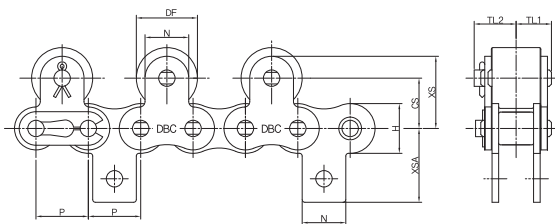
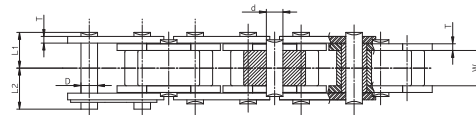
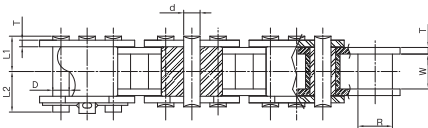
Outer Link Top Roller Installation
외판링크 톱 로울러 부착시

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

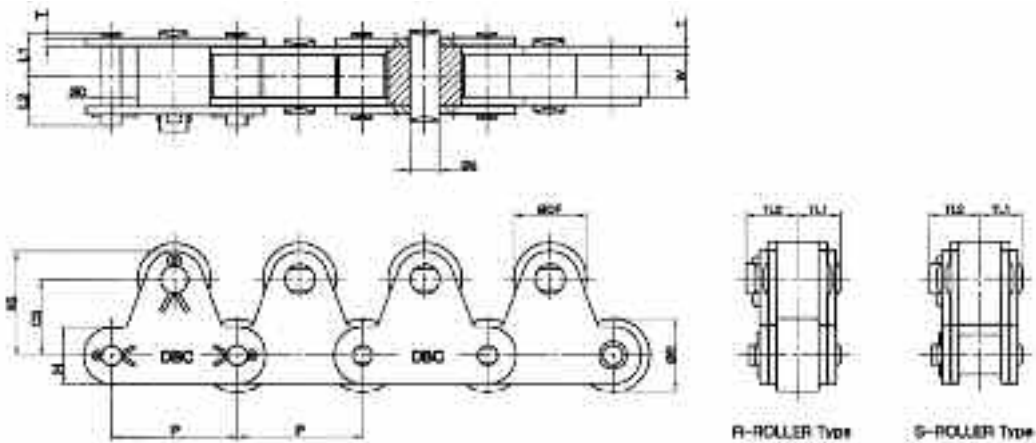
Inner Link Top Roller Installation
내판링크 톱 로울러 부착시

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 |



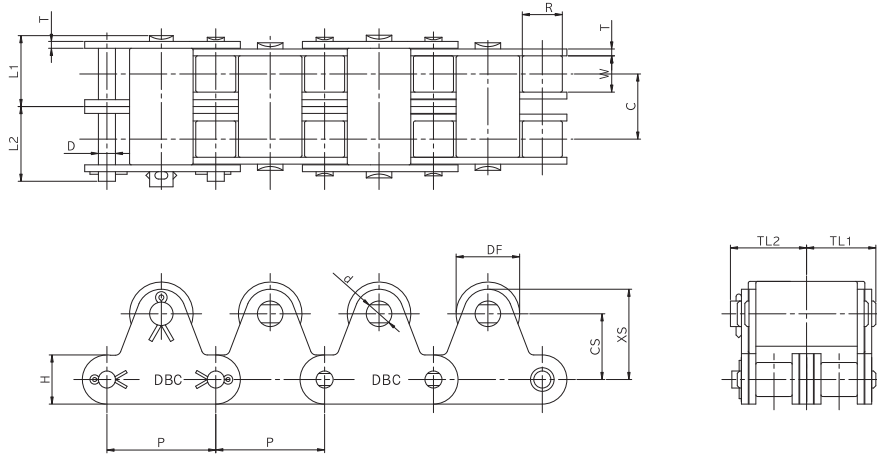


Top Roller Chains

톱 로울러 체인

Top Roller Chain - Double Pitch Type 더블피치형 톱 로울러체인

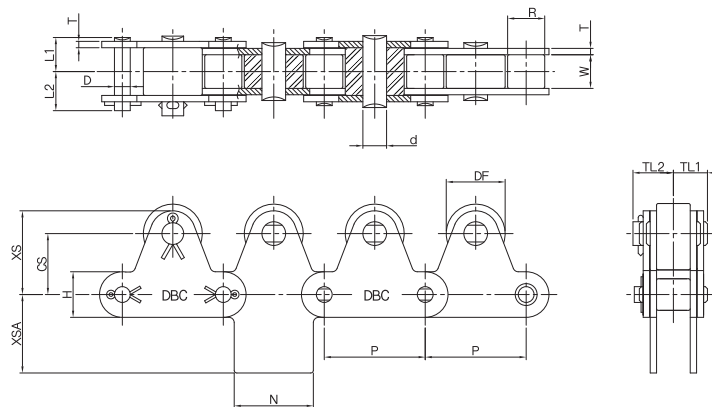
Double strand 2열



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 |

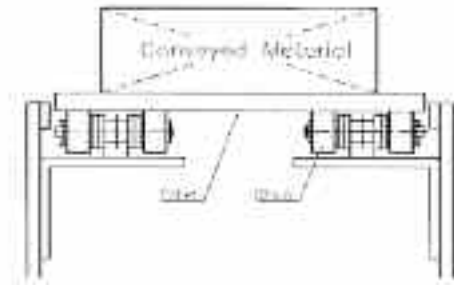
Derailing Prevention Type 이탈방지(離脫防止)형



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

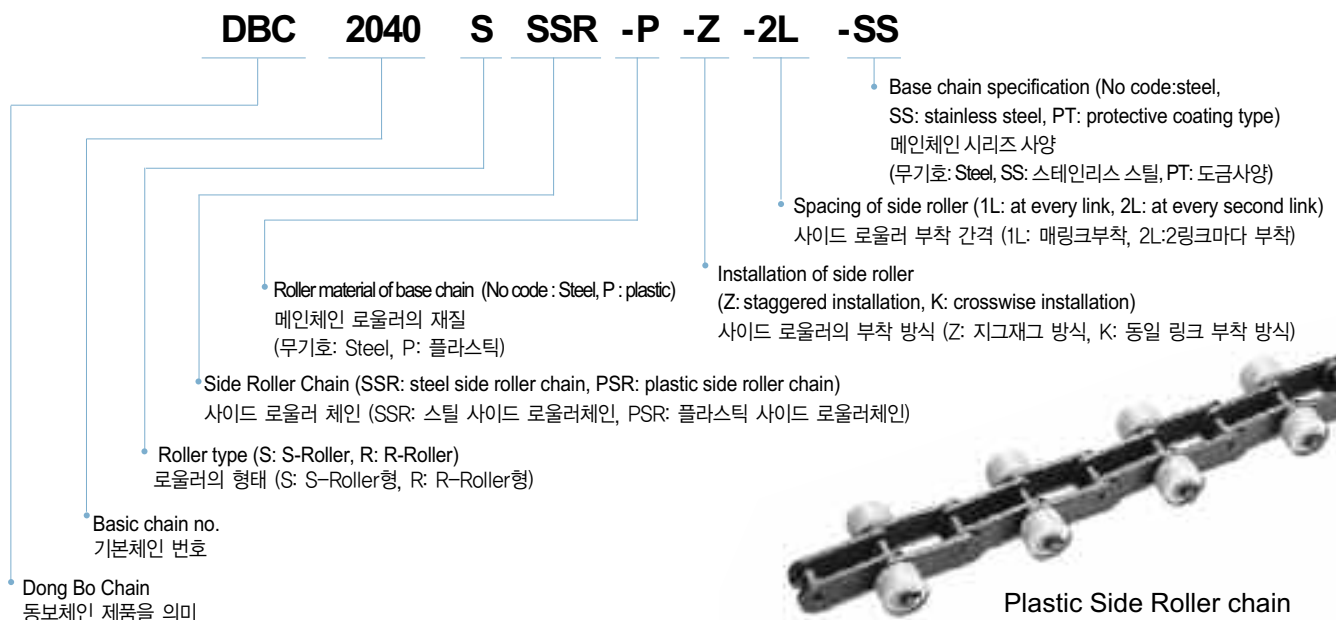
| Type of Chain | | Roller Material of Basic Chain | Top Roller Material | Variations of Base Chain |
|-------------------|------------|--------------------------------|---------------------|---|
| Single Pitch Type | | S* & SS* | S, SS & P* | Stainless Steel, Nickel-plated, Zinc galvanizing, Chromium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



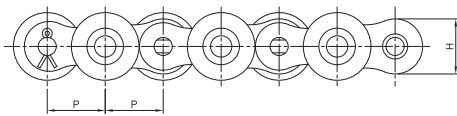
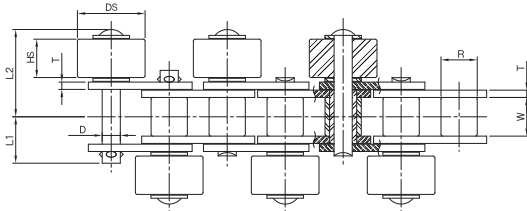
Side Roller Chains

사이드 로울러 체인

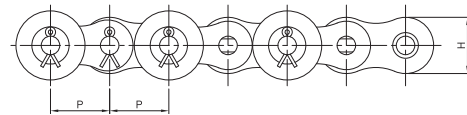
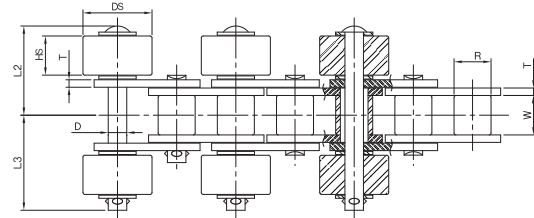
Single Pitch Type 표준형



Z - Type



K - Type



unit : mm

| DONG BO Chain No. | | Pitch P | Inner Width W | Roller Dia R | Plate | | Pin | | | Side Roller | | Approx.Weight(kg/m) | | |
|-------------------|------------------------|------------|---------------------|--------------------|-------|------|------|-------|-------|-------------|-------|---------------------|------|------|
| Basic Chain No | Type of side roller | | | | 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

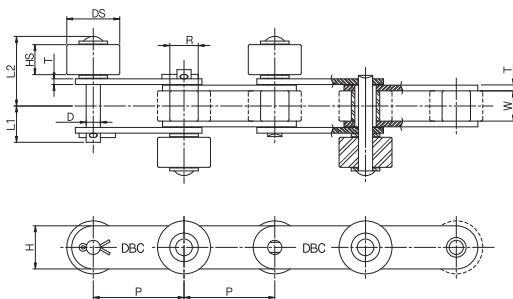
Note) The drawing shows the standard 'S' Roller (roller at main chain) drawn in solid lines and the oversize 'R' Roller in dotted lines

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

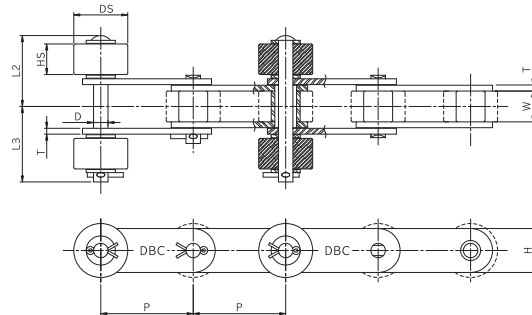
Double Pitch Type 더블피치형



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.

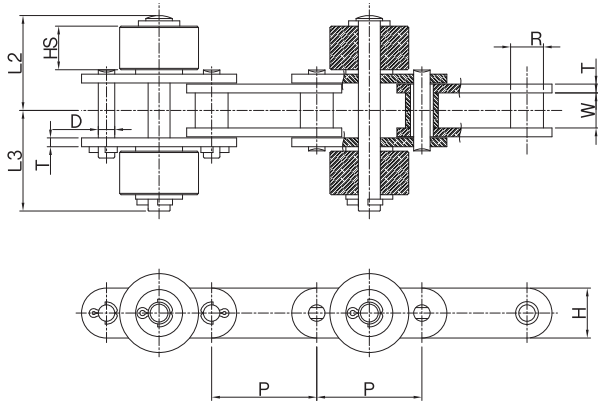
주) 1. 플라스틱 R-로울러 체인 타입은 2040, 2050, 2060번에 한해 생산됩니다.

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

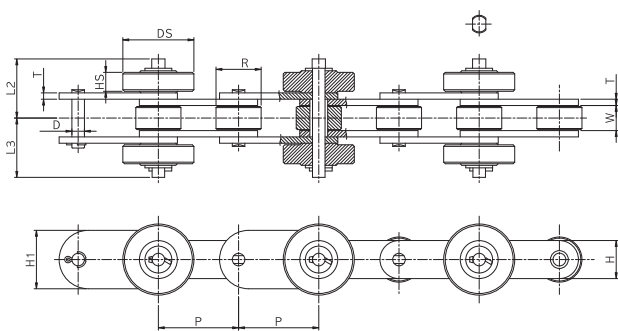


unit : mm

| DONG BO Chain No. | | | Pitch P | Inner Width W | Roller R | Plate | | Pin | | | Side Roller | | Approx.Weight (kg/m) | |
|-------------------|-----|-----|------------|---------------------|-------------|-------|------|------|------|------|-------------|------|-------------------------|------|
| DBC | PSR | -GK | | | | 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) |
|-------------------|-----|-----|------------|---------------------|--------------------|-------|------|----|------|-------|-------|-------------|------|-------------------------|
| DBC | SSR | -TG | | | 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.

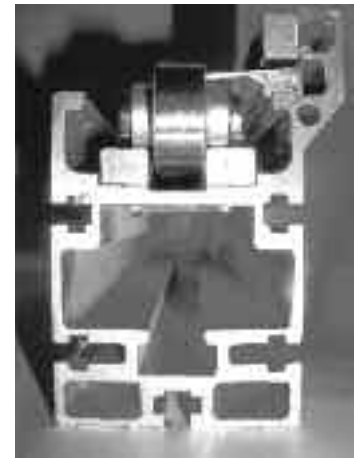
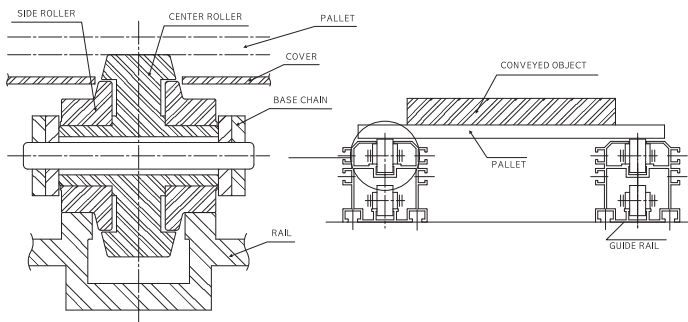
Double Plus Chains

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

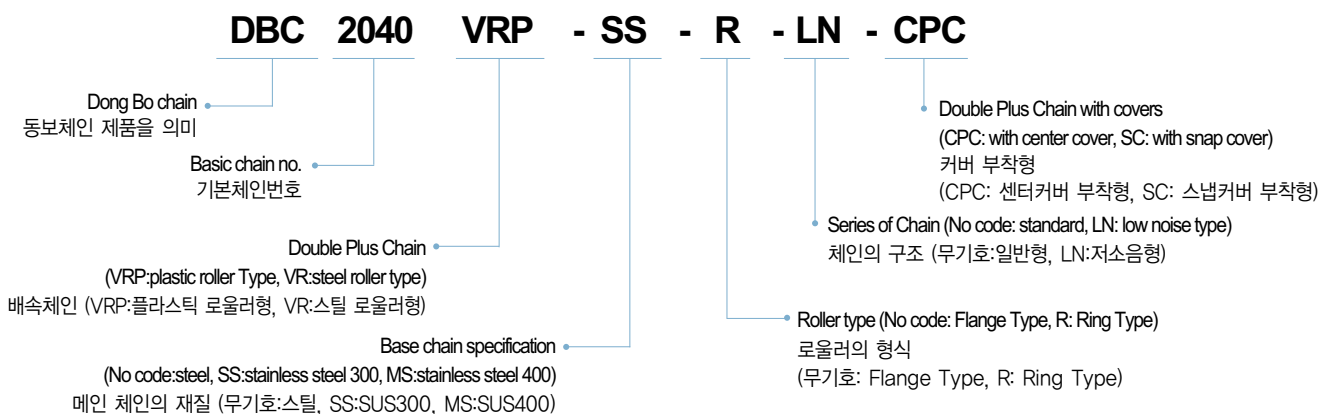
- 고속반송, 저소음
- 향상된 안정성
- 설계 및 제작이 용이: 전용 알루미늄 레일 및 스프라켓 등이 표준화 되어 컨베이어 설계 및 제작이 용이 합니다.

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

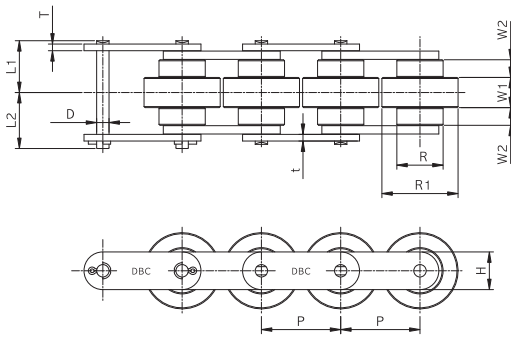
배속 체인

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

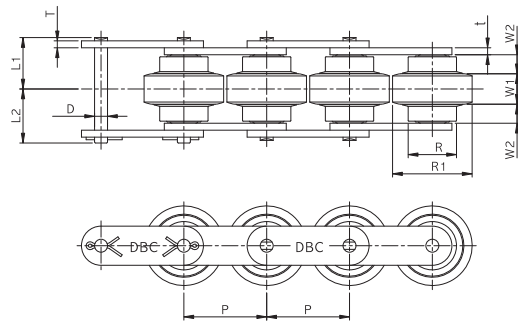
* 무급유형 배속체인은 사용자 요청에 의한 별도주문 제작사양 입니다.

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.

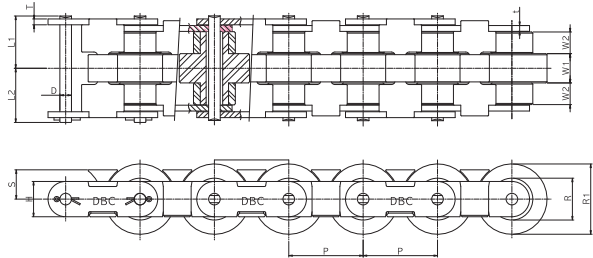
* Nos VRor VRP = Lube-Free Type double plus chain

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

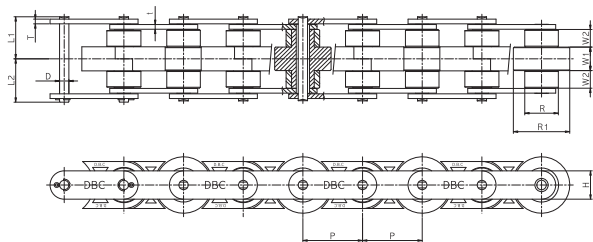
* Considering application of sprocket for snap cover type of double plus chain, it's required to discuss our engineers.

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

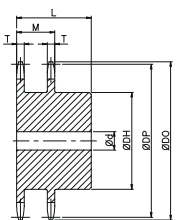
Double plus Chain with Center Cover 센터 커버 부착형 배속체인



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.

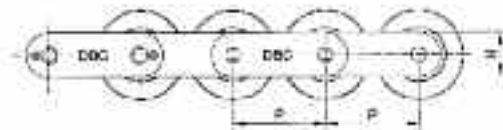
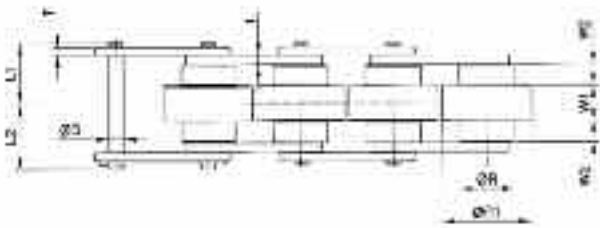
Advantages of Center Roller Chain

- Quite
- Best stability
- Wide selection

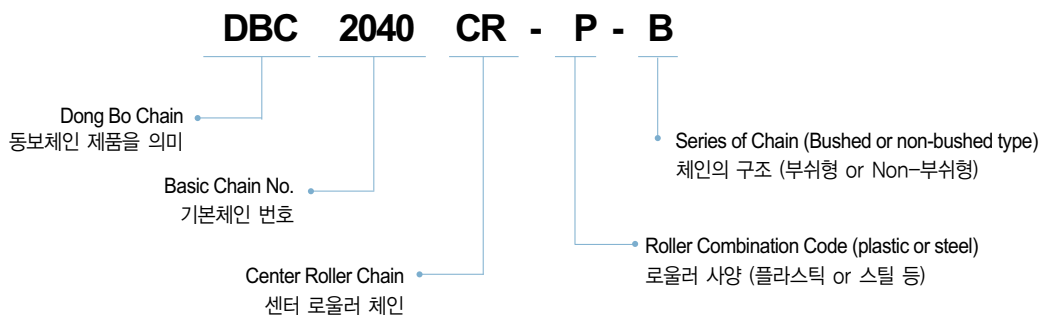
체인의 속도와 이송물의 속도가 1:1인 등속이나 톱 로울러 체인에 비해 무게 중심이 낮아 이송물을 안정적으로 수송할 수 있습니다.

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 |

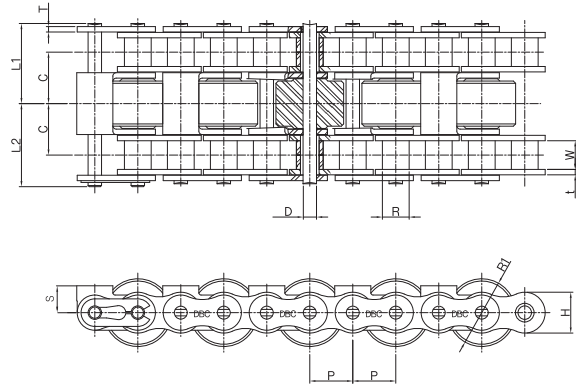
*Standard : All parts are made of steel
 *P : Plastic center & side roller type
 *PC : Plastic center roller type
 *PS : Plastic side roller type

*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

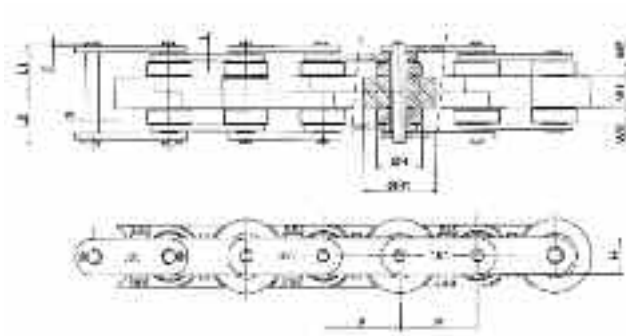
CRC Type



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 |

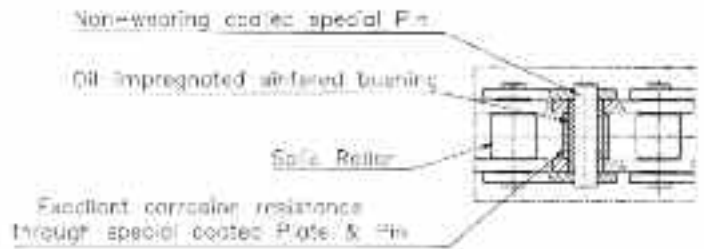


PART 6.



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.

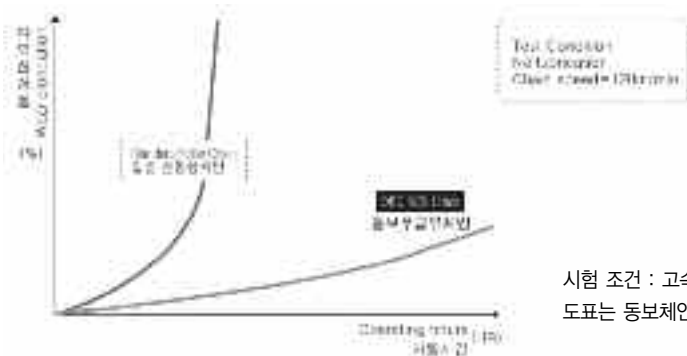
←Application→

- 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〉

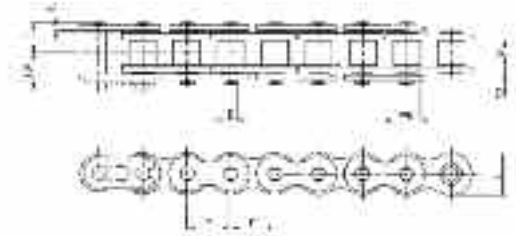
- 전자, 전기, 자동차 산업
- 의약품 제조라인
- 식품 가공 및 포장산업
- 인쇄분야
- 섬유산업
- 제지 및 출판 산업
- 목재 가공, 유리 및 도기 산업
- 이외 체인급유가 제한적으로만 허용되거나, 불가능한 모든 컨베이어 라인

[동보 무급유 체인의 사용 시험결과]



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

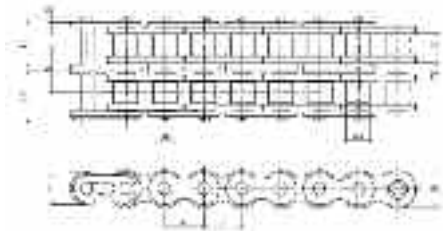
Single strand 1열



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 | - |

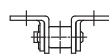
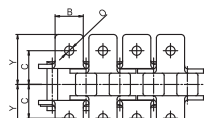
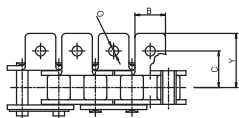
Double strand 2열



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



A-1

K-1

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 문의하여 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: -10C°~ 60C°
- * 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: -10C°~60C°
- * 주의 : 최대 허용 하중이 비도금형 일반제품에 비해 약15% 저하되므로, 선정 시 주의를 요합니다. (세부사항은 당사에 문의하여 주십시오)



4. Chromium Plating Chain 크롬 도금체인



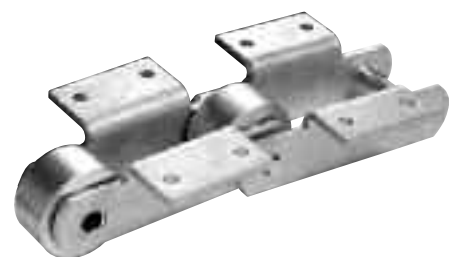
<Features>

- * 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: -10C°~60C°
- * 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: -10C°~60C°
- * 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)



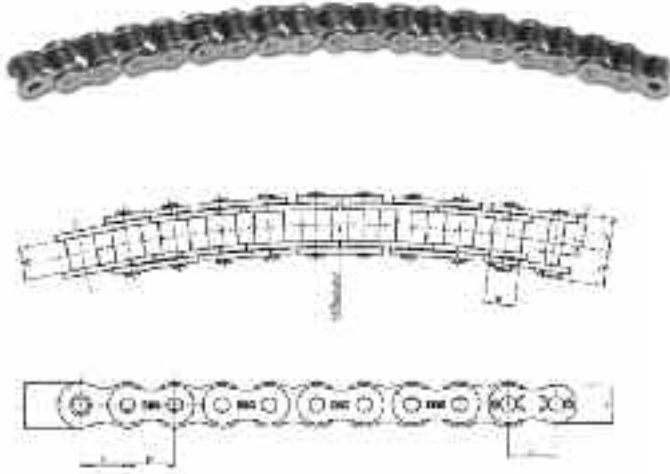
These chains are designed specially for applications in corrosive environment and can be used in all chemical plants, food processing machines, water treatment machines, etc.
Best wear resistance and low friction coefficient .

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



Side-bow Chains

굴곡 체인



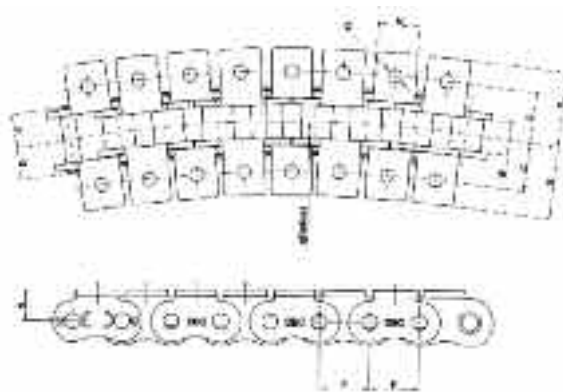
The Side Bow Chain has special flexibility allowance between pin and bush, and between the roller link plate and the pin link plate. This gives additional radius for curving sideways and basic dimensions are identical to Standard Roller Chains. By applying various attachments to the chain, it can also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

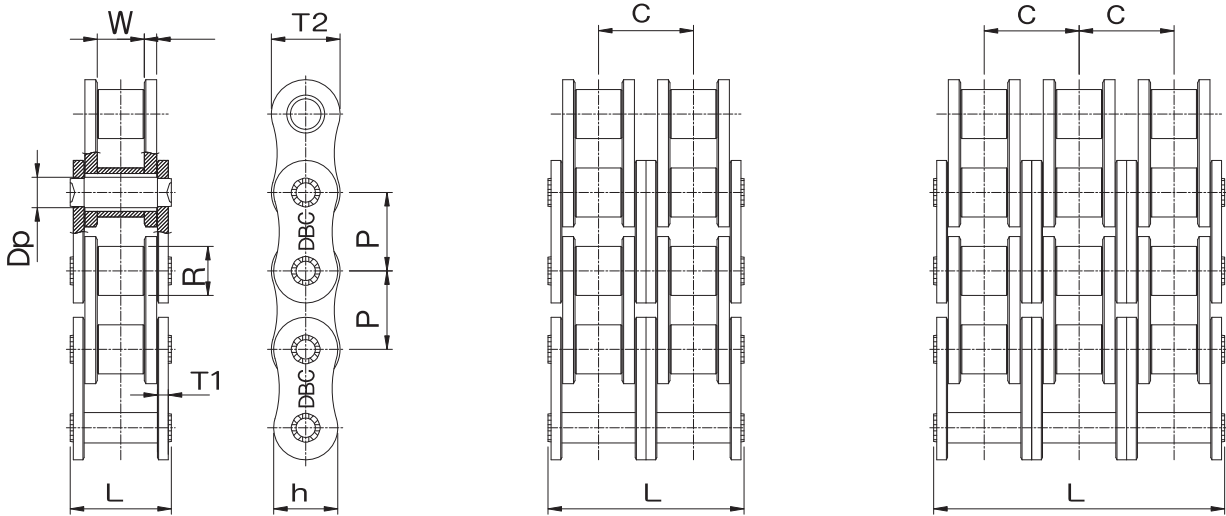


Marine Diesel Engine Chains

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 | | | | | | 126.80 | | 80,000 | 72,580 | 60.0 |
| DBC | MD64B-2 | 101.60 | 63.50 | 60.96 | 90.10 | 39.40 | 247.00 | 119.89 | 154,500 | 145,150 | 120.0 |
| DBC | MD72B-1 | | | | | | 44.50 | | 144.40 | 136.27 | 105,000 |

unit : mm

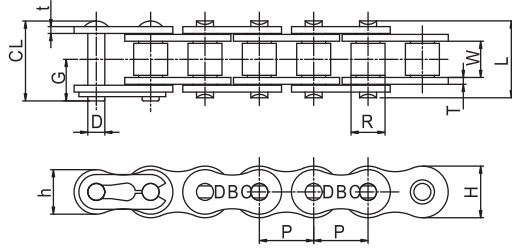
* B.S = British Standard

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

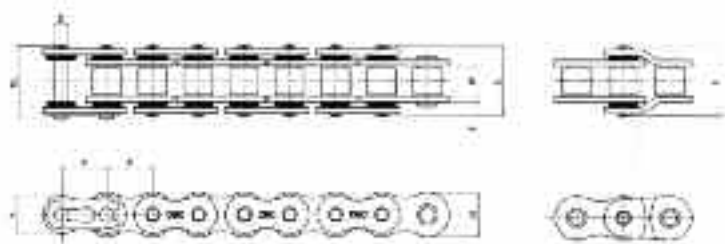
| DONG BO Chain No. | Pitch | | Inner Width W | Roller Dia R | Plate | | | | Pin | | | | Breaking Load kgf |
|-------------------|--------|-------|---------------|--------------|-------|-----|------|------|------|-------|-------|-------|-------------------|
| | mm | inch | | | T | t | H | h | D | L | 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

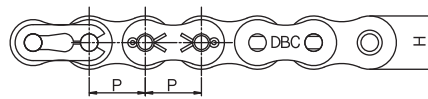
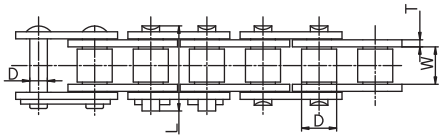
| DONG BO Chain No. | ISO NO. | Chain Type | Pitch P | Bushing or Roller Dia B or R | Inner Width W | Plate | | | | Pin | | Transverse Pitch C | Breaking Load kgf(KN) | Approx Weight (g/link) |
|----------------------|------------|---------------|------------|------------------------------------|---------------------|-------|------|------|------|------|------|--------------------------|-----------------------------|------------------------------|
| | | | | | | 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.

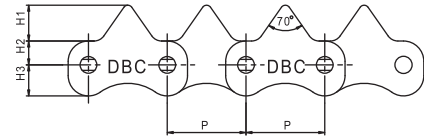
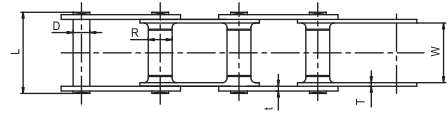
unit : mm

| 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.



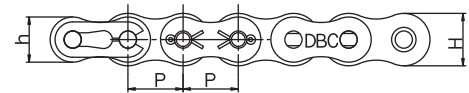
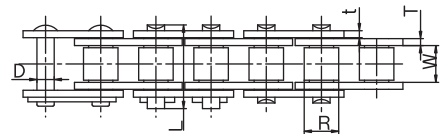
unit : mm

| 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

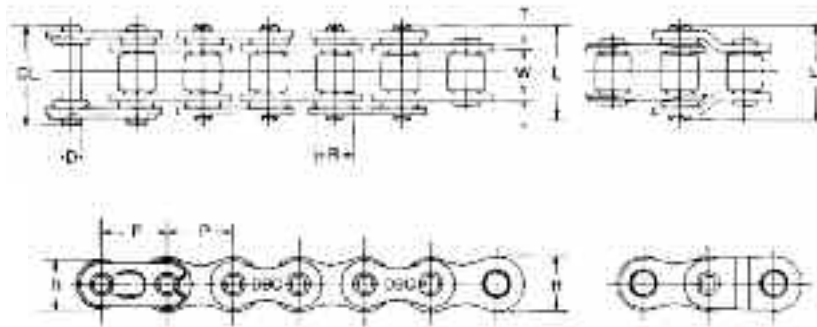
오링 체인



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 외판 사이에 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

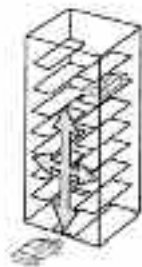
주차 설비용 체인

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.

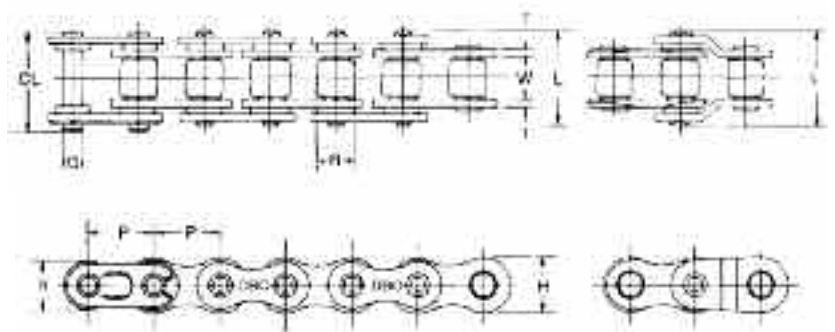
주차 빌딩에 사용되는 체인은 경량이면서도 충분한 강도와 수명을 유지하기 위하여 각 부위의 정밀도를 향상 시키는 동시에 당사의 독특한 열처리 과정을 거쳐 제조 됩니다. 내마모, 내구성이 탁월하고, 성능 및 안전도에서도 우수한 성능을 지니며 유지관리가 편리하도록 제작 되었습니다.

O-Ring Chain for Puzzle Tower Type Parking System

퍼즐 타워방식에 사용되는 오링 체인



Puzzle Tower

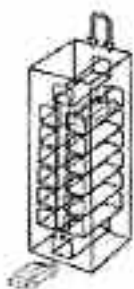


unit : mm

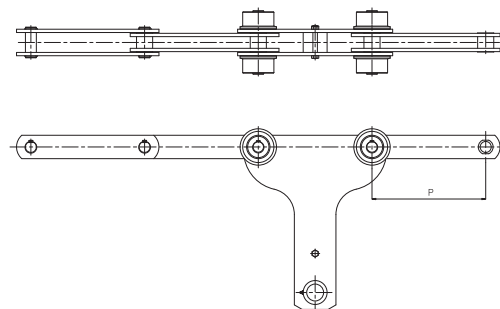
| DONG BO Chain No. | Pitch | Inner Width | Roller Dia | Pin | | | Plate | | | Breaking Load | Approx.Weight |
|-------------------|-------|-------------|------------|------|------|---------|-------|------|------|---------------|---------------|
| | P | W | R1 | D | L | CL(max) | T | H | h | kgf | kg/m |
| 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

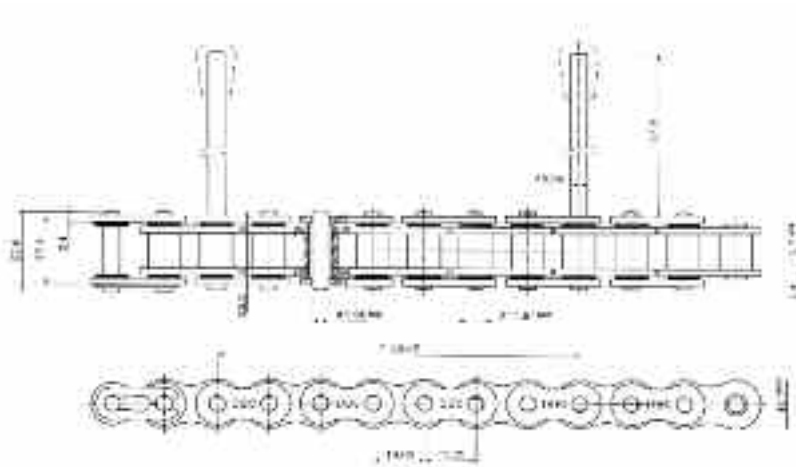
Dong Bo Pin Oven Chain is specially designed for can painting and labeling conveyor lines. The chain can withstand in high operating temperature (available in 250°C) and at high speed (250m/min = an output capacity of 1,800~2,000 cans perminute).

* 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.



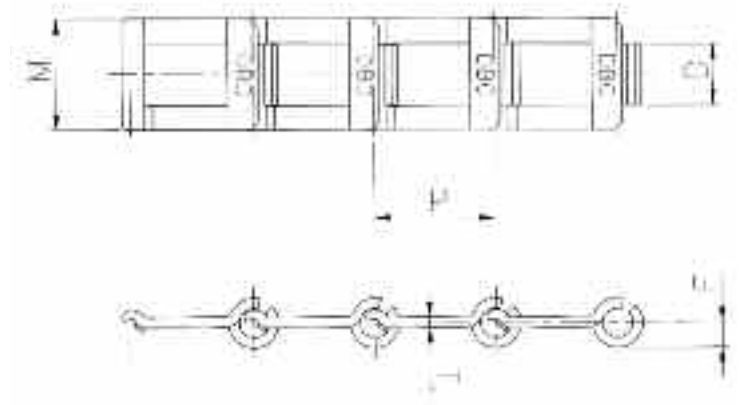
unit : mm

| 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 최초에 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

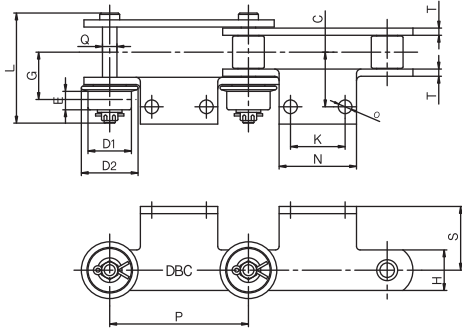


with hanger and pusher dog

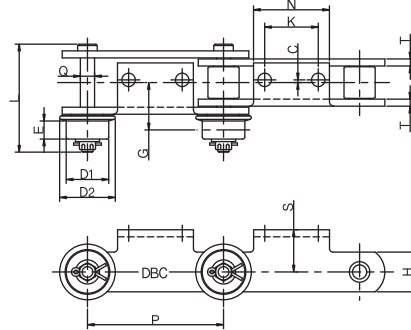
Application



Slat Chain for Automobile Assembly Line 슬래트 체인 (자동차 조립 라인용)



VB-Type



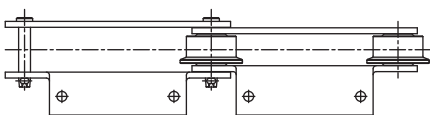
FB-Type



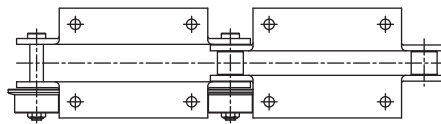
unit : mm

| 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 | 52 | 68 | 18 | 45.5 | 7 | 38 | 15.4 | 116 | 190 | 140 | 12 | 75 | 35 | 60 | 2.5 | 15,000 | 11.5 | 9.4 | |
| DBC SL13006 | 152.4 | | | | | | | | | 98 | 60 | | | | | | | | 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 | 12 | 80 | 45 | 60 | 2.5 | 24,000 | 17.8 | 16.0 | |
| DBC SL20008 | 203.2 | 68 | 84 | 25 | 56.6 | 9 | 50 | 21 | 138 | 133 | 80 | | | | | | | | 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

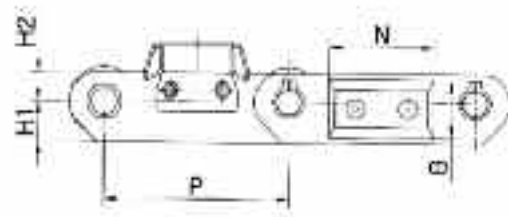
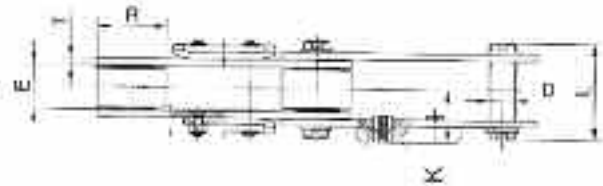
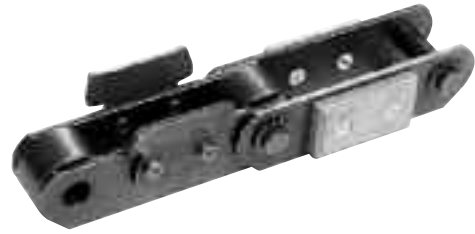


Skid Chain for Automobile Assembly Line 스키드 체인 (자동차 조립 라인용)

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.

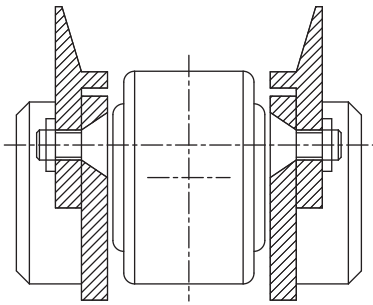
자동차 도장, 조립라인 등에 주로 사용되어지고 있습니다.
정밀도, 내충격성, 내부식성, 내마모성이 우수합니다.
용도에 따라 다양한 어태치먼트를 부착할 수 있습니다.



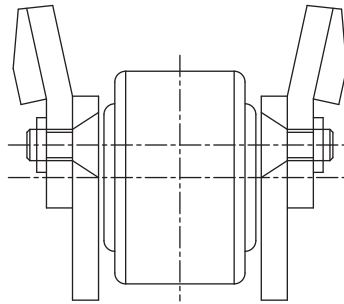
unit : mm

| 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

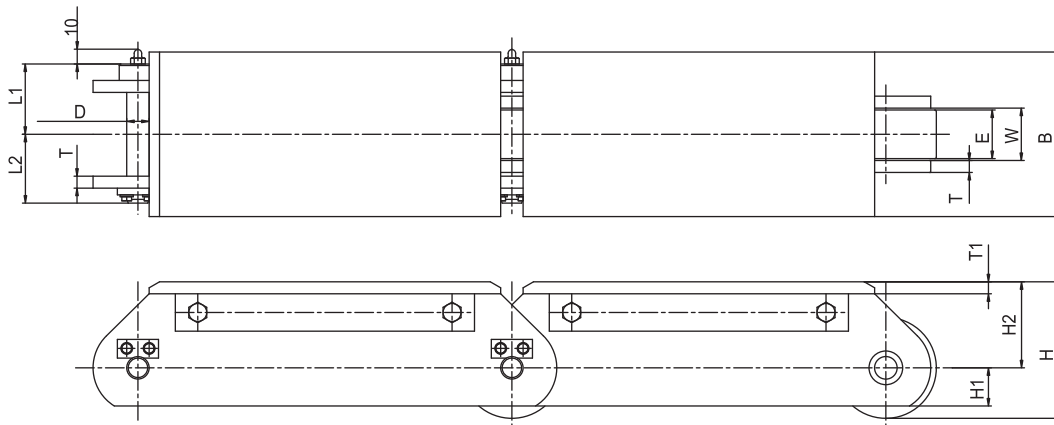


Flat Top Coil Conveyor Chains

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.



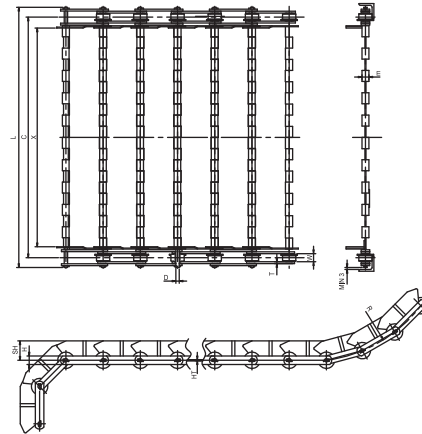
unit : mm

| 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 |

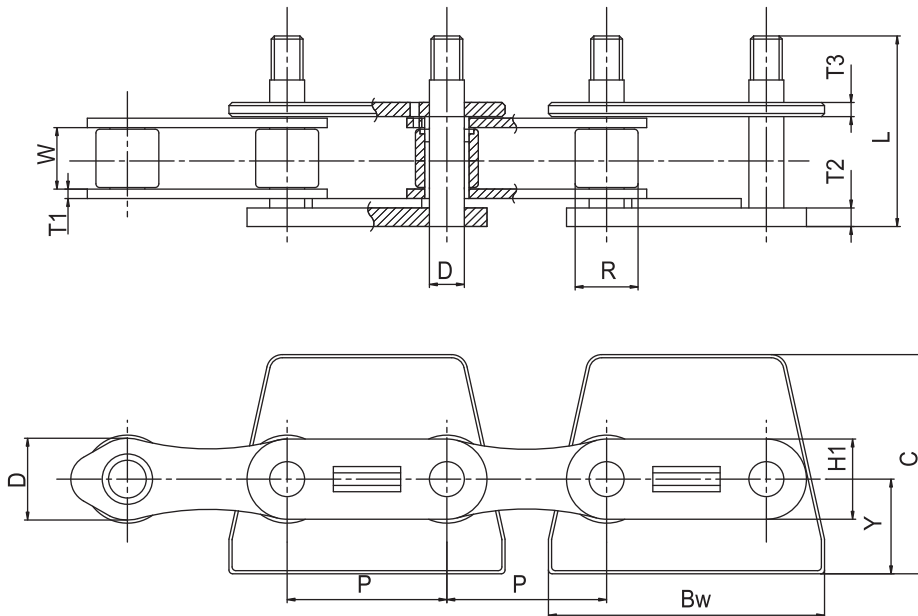
- * 용어설명 : 1. Width between both Main Chains = 메인 체인간의 거리 2. Hinge Dia. = 힌지외경
- 3. Min. Radius of Higher Part = 상부최소 곡률 반경 4. Min. Radius of lower Part = 하부최소 곡률반경
- * To locate more information about dimensions of Main Chain refer to the 'Standard Conveyor Chain'
- * 메인 체인에 대한 자세한 정보는 표준형 컨베이어 페이지를 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

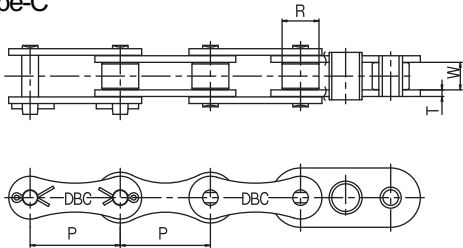
에스컬레이터용 체인

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.

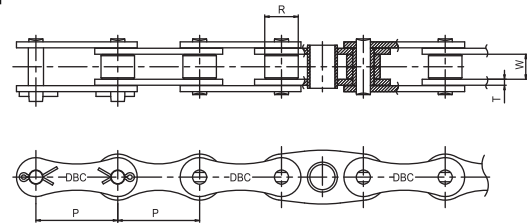
에스컬레이터는 안정성과 안정도를 높이기 위하여 정밀도가 높은 컨베이어 체인을 필요로 합니다. 당사의 에스컬레이터용 스텝체인 (Step Chain)은 탑승자가 진동이나 소음을 거의 느낄 수 없도록 특수설계되어 있습니다.



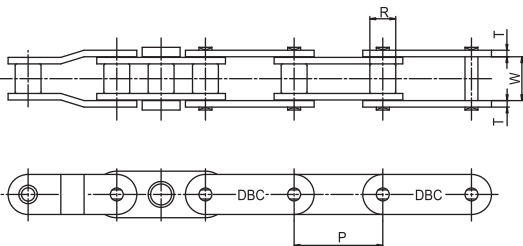
Type-C



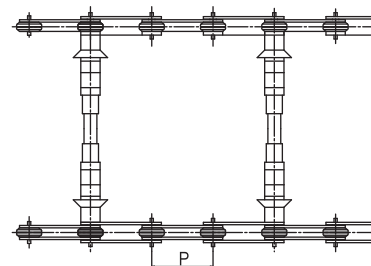
Type-H



Type-N



Type-A (Axle type)



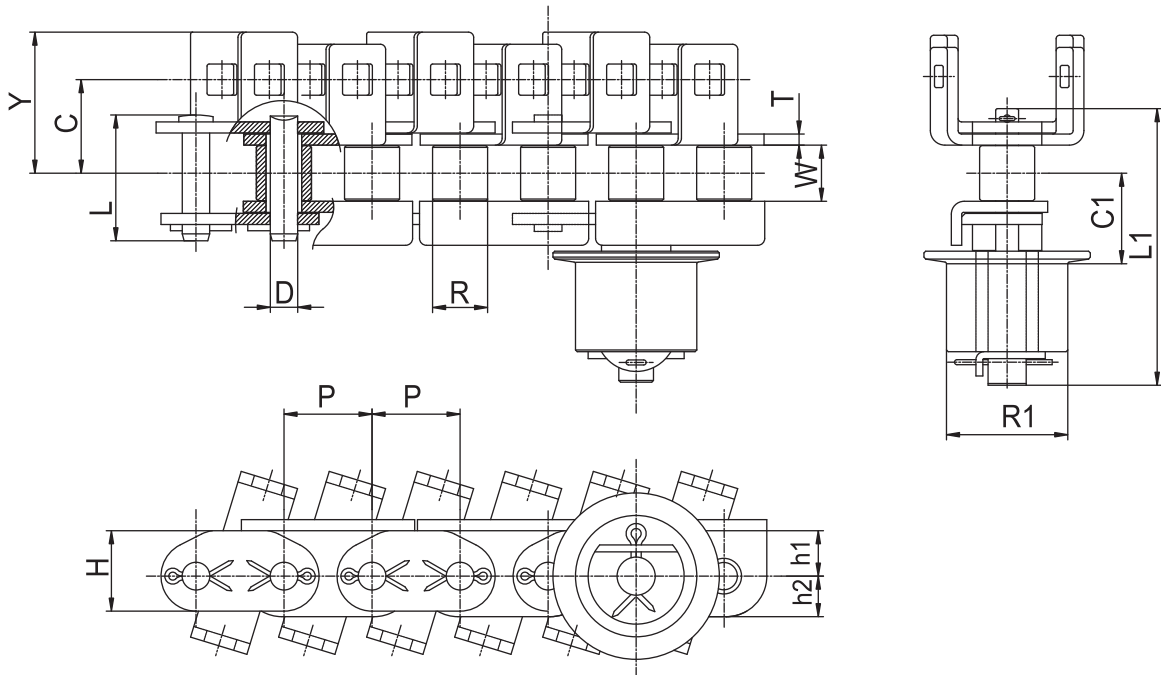
| DONG BO Chain No. | Type | Pitch P | Roller Dia R | Inner Width W | Breaking Load (kgf) | Weight (kg/m) |
|-------------------|------|---------|--------------|---------------|---------------------|---------------|
| DBC C-8T | C | 68.4 | 32 | 21 | 8,300 | |
| DBC C-10T | | | | | 10,000 | |
| DBC C-13T | | | | 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 | | 66.6 | | 25.4 | 20.6 | 9,000 |
| 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 |

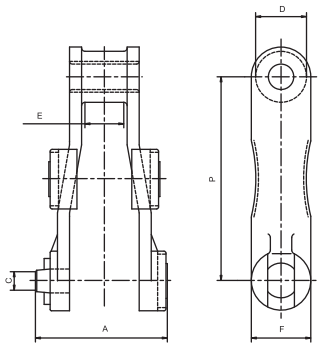
Chains for Water Industry / Sewage Treatment

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 |

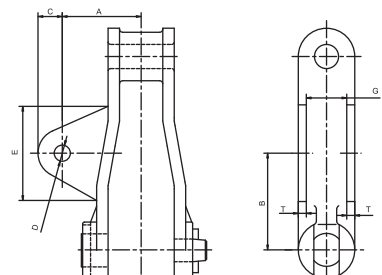
Available Attachment 어태치먼트 일람표

| 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

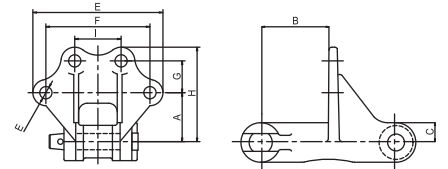
700 Class pintle chain 700 클래스 핀틀 체인



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

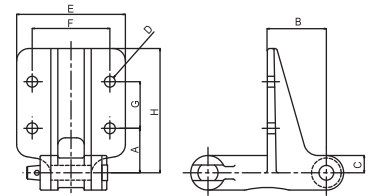


F-2

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

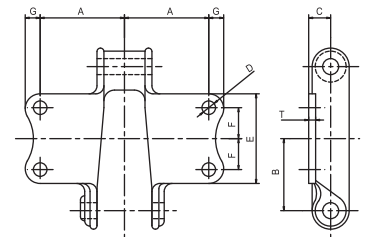
| DONG BO | | Dimensions | | | | | | | | Weight |
|-----------|------|------------|----|------|------|-----|----|----|-----|--------|
| Chain No. | | A | B | C | D | E | F | G | H | (kg/m) |
| DBC | 720 | 60 | 76 | 19.1 | 12.7 | 130 | 95 | 67 | 152 | 16.7 |
| | 720S | 60 | 76 | 19.8 | 12.7 | 130 | 95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

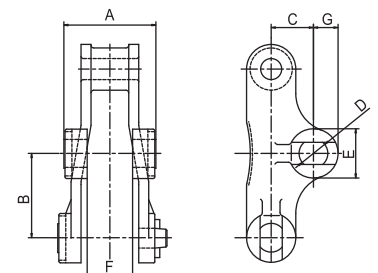
| DONG BO | | Dimensions | | | | | | | | Weight |
|-----------|-----|------------|----|------|------|-----|----|----|-----|--------|
| Chain No. | | A | B | C | D | E | F | G | H | (kg/m) |
| DBC | 710 | 79 | 60 | 20.6 | 19.1 | 84 | 29 | 14 | 6.3 | 12.1 |
| | 730 | 76 | 76 | 25.4 | 12.7 | 102 | 33 |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

unit : mm

M-1 Attachment

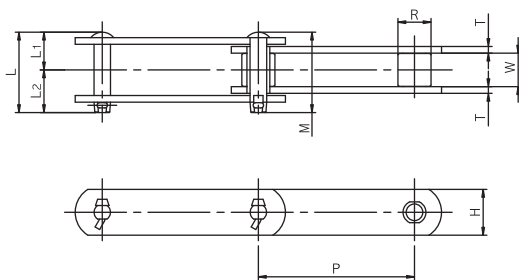
| DONG BO | | Dimensions | | | | | | | Weight |
|-----------|------|------------|----|------|------|------|------|------|--------|
| Chain No. | | A | B | C | D | E | F | G | (kg/m) |
| DBC | 720 | 76 | 76 | 38.1 | 19.1 | 38.1 | 38.1 | 19.1 | 9 |
| | 720S | 76 | 76 | 38.1 | 19.1 | 38.1 | 38.1 | 19.1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

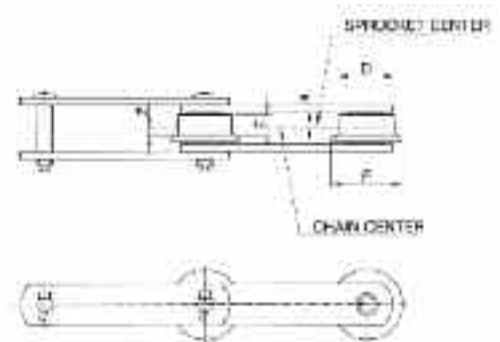
unit : mm

| 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 |
|-------------------|-----------|------|-----|-----|
| DBC | DAS 15215 | | ○ | ○ |
| | DAS 15219 | ○ | ○ | ○ |
| | DAS 15228 | ○ | ○ | ○ |
| | DAS 15235 | ○ | ○ | ○ |
| | DAS 15248 | | ○ | |

Chain for Water Industry / Sewage Treatment

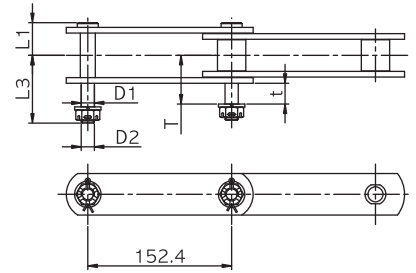
수처리 장치용 체인

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

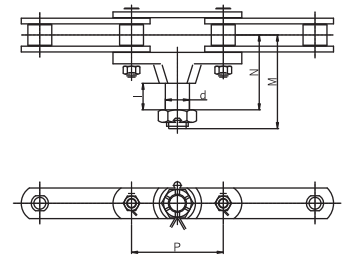


D-22 Attachment

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

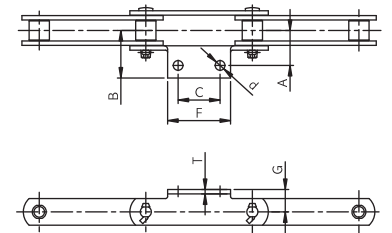


T-1 Attachment

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 |

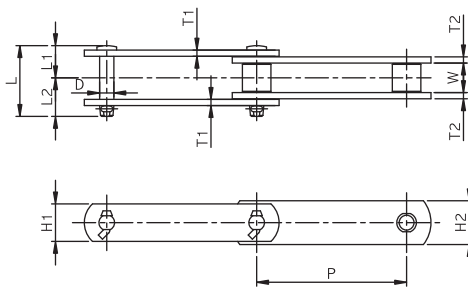
unit : mm



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.

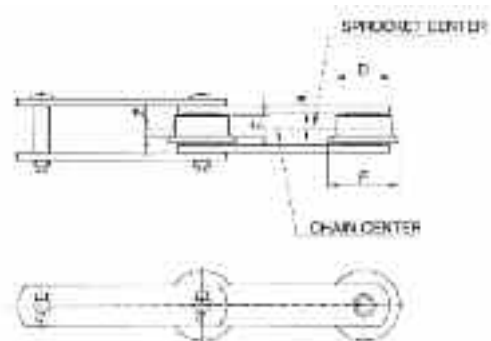
슬러지컬렉터(Sludge Collector)용의 플라이트(Flight)에는 SF-4 어태치먼트, 그리트컬렉터(Grit Collector)용의 버킷 엘리베이터(Bucket Elevator)에는 D-22 어태치먼트, 더스트 컬렉터 (Dust Collector)용의 레이크(Rake)에는 A-2 어태치먼트를 각각 취부합니다.

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

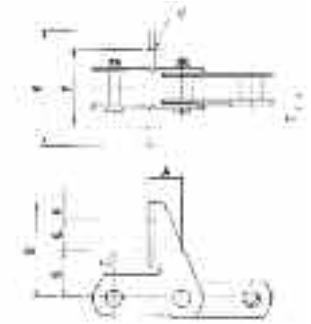
| DONG BO Chain No. | | SF-4 | A-2 | D-22 |
|-------------------|-----------|------|-----|------|
| DBC | DSS 15215 | ○ | ○ | ○ |
| | DSS 15219 | ○ | ○ | ○ |
| | DSS 15225 | ○ | ○ | ○ |
| | DSS 15235 | ○ | ○ | ○ |

Chains for Water Industry / Sewage Treatment

수처리 장치용 체인

DSS Stainless Steel Chain

SF-4 Attachment

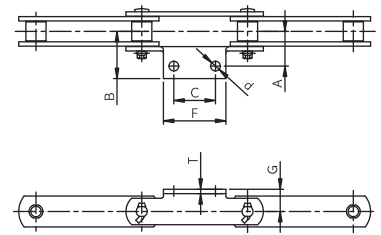


SF-4 Attachment

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

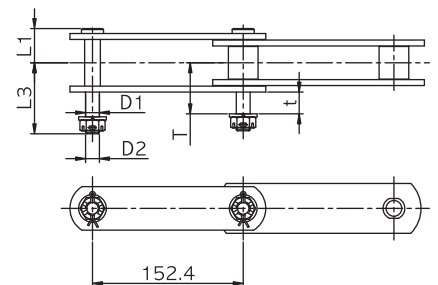


A-2 Attachment

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.



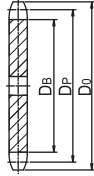
Sprocket
스프라켓

Sprocket for Standard Roller Chain

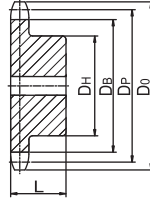
표준형 로울러 체인의 스프라켓

DBC 25

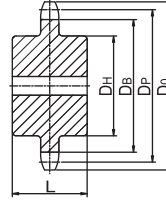
Type - A



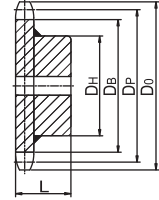
Type - B



Type - C



Type - BW



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

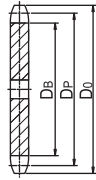
unit : mm

| 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 | | | |

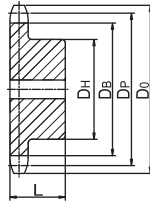
Note) 1. The indicated maximum axis diameter is for general cases. Please use general mechanical design knowledge when determining the value. You should also check the key surface pressure in the same manner. 2. The sprockets in colored portions of above table are already tooth line hardened.
 주) 1.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

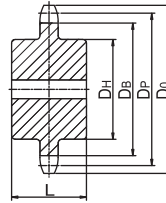
Type - A



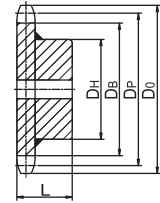
Type - B



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 | 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.

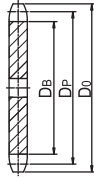
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키이의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

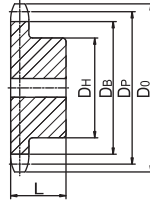
표준형 로울러 체인의 스프라켓

DBC 40

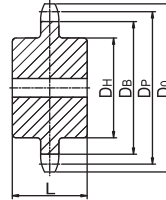
Type - A



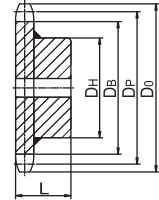
Type - B



Type - C



Type - BW



No hub extension
평판형

One-side hub extension
한쪽 보스형

Two-side hub extension
양쪽보스형

Hub Detachable Type
보스분리형

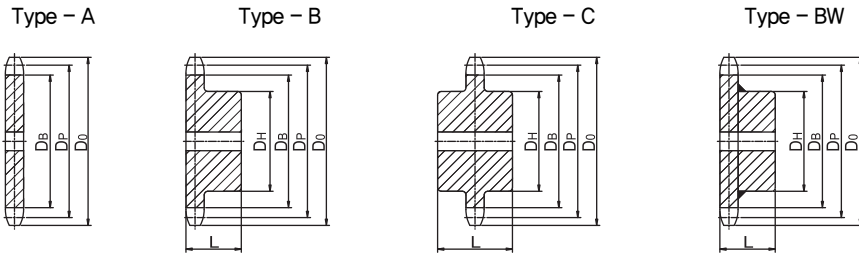
unit : mm

| 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.

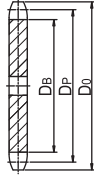
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

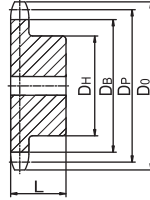
표준형 로울러 체인의 스프라켓

DBC 60

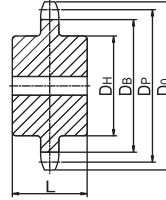
Type - A



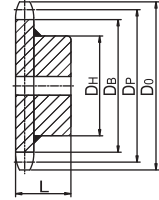
Type - B



Type - C



Type - BW



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

unit : mm

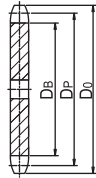
| No. of Teeth N | Outside Dia D _o | Pitch Dia D _p | Bottom Dia D _b | Hub 최대보스 | | Material 재질 | No. of Teeth N | Outside Dia D _o | Pitch Dia D _p | Bottom Dia D _b | Hub 최대보스 | | Material 재질 | |
|-------------------|-------------------------------|-----------------------------|------------------------------|-----------------------|-------------|----------------|-------------------|-------------------------------|-----------------------------|------------------------------|-----------------------|----------------|----------------|------|
| | | | | Dia D _H | Length L | | | | | | Dia D _H | Thickness L | | |
| 잇수 | 외경 | 피치원지름 | 이뿌리원지름 | 지름 | 길이 | | 잇수 | 외경 | 피치원지름 | 이뿌리원지름 | 지름 | 길이 | | |
| 10 | 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.

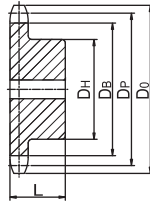
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다.
 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

DBC 80

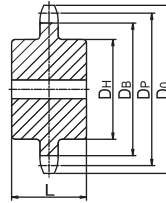
Type - A



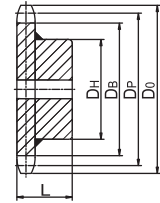
Type - B



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 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 | 108 | 60 | 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 | 108 | 60 | 86 | 710 | 695.47 | 679.59 | | | | |
| 47 | 395 | 380.28 | 364.40 | 108 | 60 | 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 | 108 | 60 | 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.

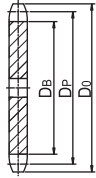
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다.
 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

표준형 로울러 체인의 스프라켓

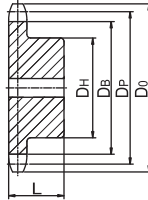
DBC 100

Type - A



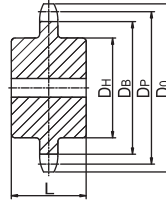
No hub extension
평판형

Type - B



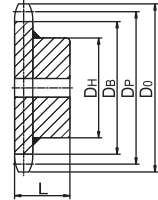
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보스분리형

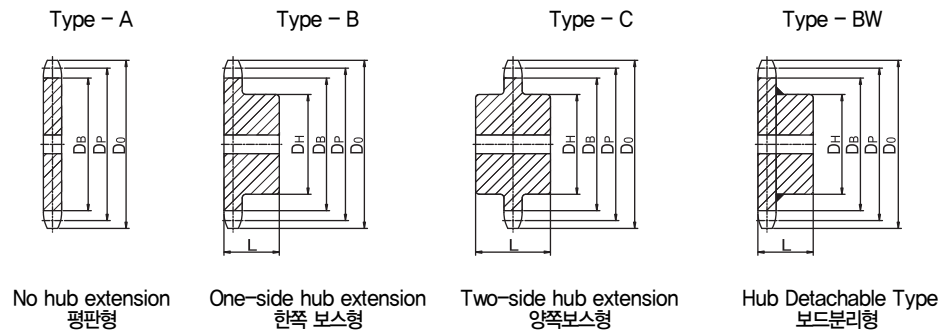
unit : mm

| 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 | 117 | 70 | | | | |
| 21 | 230 | 213.03 | 193.98 | 105 | 80 | 61 | 635 | 616.76 | 597.71 | | | | | | |
| 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 | | | | 117 | 70 | |
| 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 | 117 | 70 | SS41 | | | |
| 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 | | | | 117 | 70 | |
| 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 | 117 | 70 | | | | |
| 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 | 90 | 928 | 899.65 | 890.70 | | | | | | |

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



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.

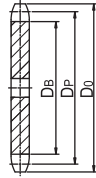
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

표준형 로울러 체인의 스프라켓

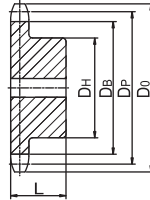
DBC 140

Type - A



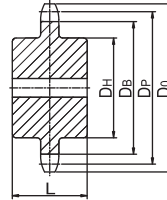
No hub extension
평판형

Type - B



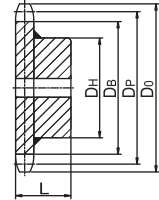
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보스분리형

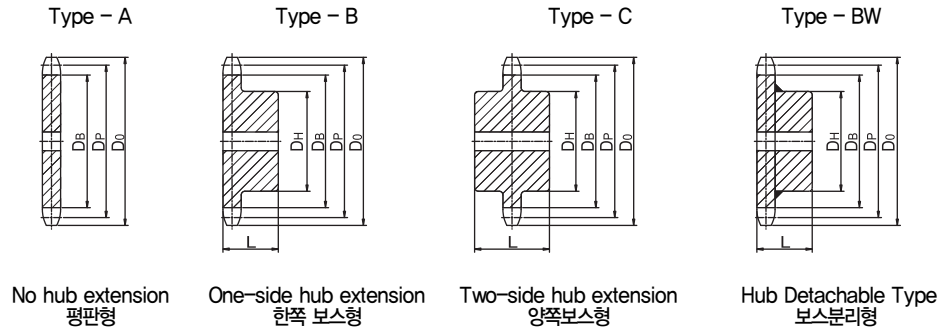
unit : mm

| 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 | | | | | | | | |
| 21 | 322 | 298.24 | 272.84 | 130 | 85 | 61 | 889 | 863.46 | 838.06 | | | | | | | | |
| 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 | SS41 | 69 | 1002 | 976.61 | 951.21 | 190 | 140 | | | | | |
| 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 | SS41 | 72 | | | 1045 | 1019.04 | 993.64 | | |
| 33 | 492 | 467.62 | 442.22 | | | | | | | 150 | | | 110 | 73 | 1059 | 1033.09 | 1007.79 |
| 34 | 506 | 481.75 | 456.35 | | | | | | | 150 | | | 110 | 74 | 1073 | 1047.33 | 1021.93 |
| 35 | 521 | 495.88 | 470.48 | | | | | | | 150 | | | 110 | 75 | 1087 | 1061.47 | 1036.07 |
| 36 | 535 | 510.01 | 484.61 | | | | | | | 150 | | | 110 | 76 | 1101 | 1075.62 | 1050.22 |
| 37 | 549 | 524.14 | 498.74 | | | | | | | 150 | | | 110 | 77 | 1116 | 1089.77 | 1064.37 |
| 38 | 563 | 538.27 | 512.87 | | | | | | | 150 | | | 110 | 78 | 1130 | 1103.91 | 1078.51 |
| 39 | 577 | 552.40 | 527.00 | 150 | 110 | 79 | | | | 1144 | 1118.06 | 1092.66 | | | | | |
| 40 | 591 | 566.54 | 541.14 | 150 | 110 | 80 | | | | 1158 | 1132.20 | 1106.80 | | | | | |
| 41 | 606 | 580.67 | 555.27 | 165 | 120 | 81 | | | | 1172 | 1146.35 | 1120.95 | | | | | |
| 42 | 620 | 594.81 | 569.41 | 165 | 120 | SS41 | 82 | 1186 | 1160.49 | 1135.09 | | | | | | | |
| 43 | 634 | 608.94 | 583.54 | | | | 165 | 120 | 83 | 1200 | 1174.64 | 1149.24 | | | | | |
| 44 | 648 | 623.08 | 597.68 | | | | 165 | 120 | 84 | 1215 | 1188.78 | 1163.38 | | | | | |
| 45 | 662 | 637.22 | 611.82 | | | | 165 | 120 | 85 | 1229 | 1202.93 | 1177.53 | | | | | |
| 46 | 676 | 651.35 | 625.95 | | | | 165 | 120 | 86 | 1243 | 1217.07 | 1191.67 | | | | | |
| 47 | 691 | 665.49 | 640.09 | | | | 165 | 120 | 87 | 1257 | 1231.22 | 1205.82 | | | | | |
| 48 | 705 | 679.63 | 654.23 | | | | 165 | 120 | 88 | 1271 | 1245.36 | 1219.96 | | | | | |
| 49 | 719 | 693.77 | 668.37 | | | | 165 | 120 | 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



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.

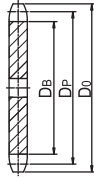
주) 1. 최대축경은 일반적인 경우를 나타내고 있기 때문에 결정시에는 일반기계설계의 상식으로 결정해 주십시오. 단 키의 면압에 관해서도 같은 식으로 체크 바랍니다. 2. 위 표의 착색부분은 이미 치선경화(硬化)가 되어 있습니다.

Sprocket for Standard Roller Chain

표준형 로울러 체인의 스프라켓

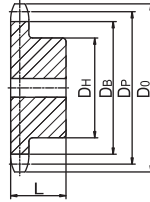
DBC 200

Type - A



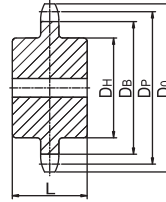
No hub extension
평판형

Type - B



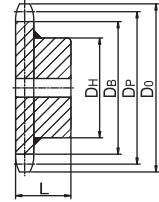
One-side hub extension
한쪽 보스형

Type - C



Two-side hub extension
양쪽보스형

Type - BW



Hub Detachable Type
보스분리형

unit : mm

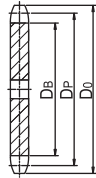
| No. of Teeth N | Outside Dia D _o | Pitch Dia D _p | Bottom Dia D _b | Hub Dia D _h | Material 재질 | No. of Teeth N | Outside Dia D _o | Pitch Dia D _p | Bottom Dia D _b | Hub Dia D _h | Material 재질 |
|-------------------|-------------------------------|-----------------------------|------------------------------|---------------------------|----------------|-------------------|-------------------------------|-----------------------------|------------------------------|---------------------------|----------------|
| 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.

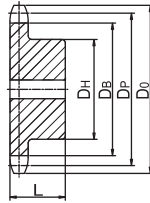
DBC 240

Type - A



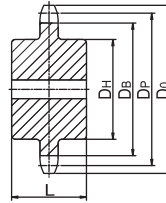
No hub extension
평판형

Type - B



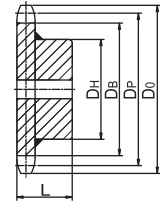
One-side hub extension
한쪽 보스형

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

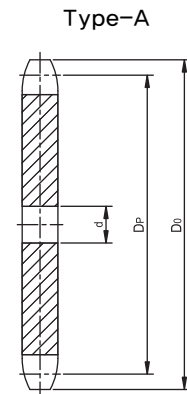
더블피치 체인의 스프라켓

DBC 2040

S-Roller Type : A2040, C2040

unit : mm

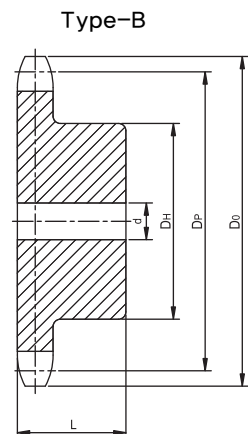
| No. of Teeth 잇수 N | Outside Dia 외경 DO | Pitch Dia 피치원지름 DP | Pilot Bore 기준경 | | Hub Dia 보스지름 DH | Length thru Bore 보스길이 L | Approx. Weight 개략중량 (Kg) | |
|-------------------------|-------------------------|--------------------------|----------------|-----|-----------------------|----------------------------------|-----------------------------|--------|
| | | | 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 |

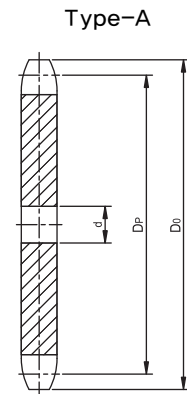


DBC 2050

S-Roller Type : A2050, C2050

unit : mm

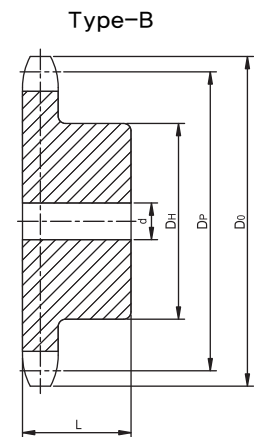
| No. of Teeth 잇수 N | Outside Dia 외경 DO | Pitch Dia 피치원지름 DP | Pilot Bore 기준경 | | Hub Dia 보스지름 DH | Length thru Bore 보스길이 L | Approx. Weight 개략중량 (Kg) Type-B |
|-------------------------|-------------------------|--------------------------|----------------|-----|-----------------------|----------------------------------|---------------------------------------|
| | | | 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

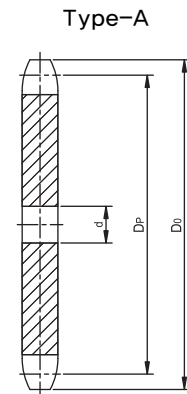
더블피치 체인의 스프라켓

DBC 2060

S-Roller Type A2060, C2060

unit : mm

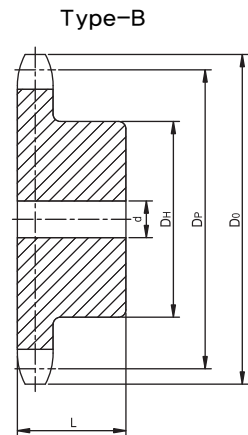
| No. of Teeth 잇수 N | Outside Dia 외경 DO | Pitch Dia 피치원지름 DP | Pilot Bore 기준경 | | Hub Dia 보스지름 DH | Length thru Bore 보스길이 L | Approx. Weight 개략중량 (Kg) | |
|-------------------------|-------------------------|--------------------------|----------------|-----|-----------------------|----------------------------------|-----------------------------|--|
| | | | d | | | | Type-B | |
| | | | 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 개략중량 (Kg) | |
|-------------------------|-------------------------|--------------------------|----------------|-----|-----------------------|----------------------------------|-----------------------------|----------|
| | | | 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 | |

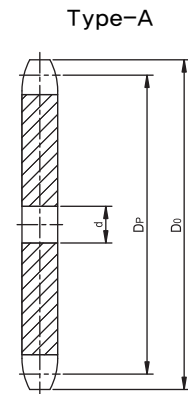


DBC 2080

S-Roller Type : A2080, C2080

unit : mm

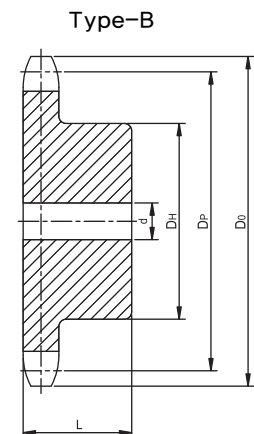
| No. of Teeth 잇수 N | Outside Dia 외경 DO | Pitch Dia 피치원지름 DP | Pilot Bore 기준경 d | | Hub Dia 보스지름 DH | Length thru Bore 보스길이 L | Approx. Weight 개략중량 (Kg) | |
|-------------------------|-------------------------|--------------------------|---------------------|-----|-----------------------|----------------------------------|-----------------------------|----|
| | | | 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

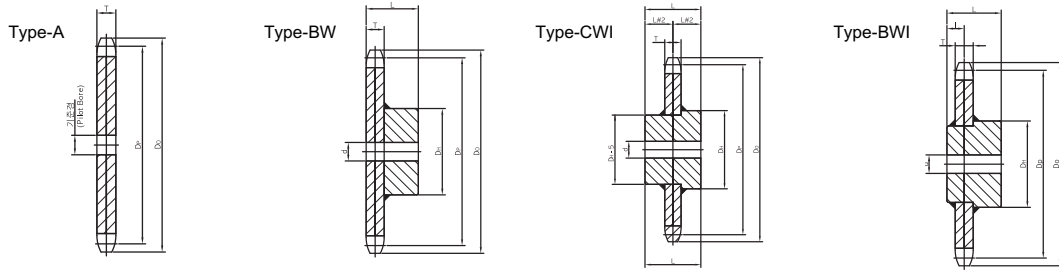
unit : mm

| 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

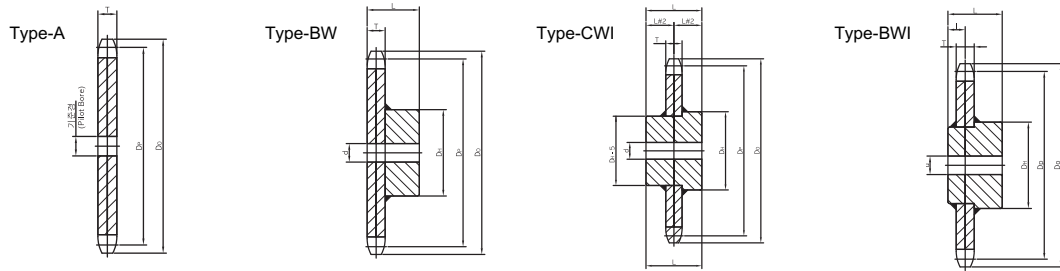
컨베이어 체인의 스프라켓



unit : mm

| DONG BO Chain No. | Type of Roller 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 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 | |
| | 12 | 392.6 | 405 | 16 | 20 | 16 | 30~65 | 100 | 81 | 20 | 30~70 | 110 | 90 | 21 | |
| | 12½ | 408.5 | 421 | 16 | 20 | 16 | 30~65 | 100 | 81 | 20 | 30~70 | 110 | 90 | 22 | |
| DBC 05075 | 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 |
| DBC 05100 | 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 |
| 12 | 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 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 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 | |
| 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 |
| | 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 |
| DBC 450 | R | 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 |
| | | 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 |
| | F | 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 |
| | | 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 |
| | S | 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 |
| | 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 | |
| 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

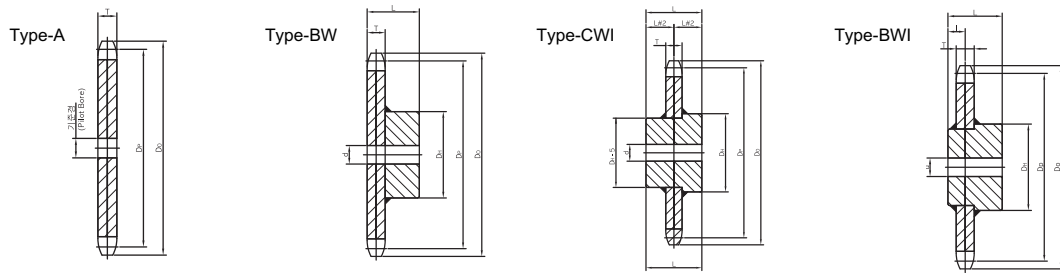
unit : mm

| 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 |
| | | 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 | 180 | 32 | 268 | 55~145 | 210 | 180 | 267 | |
| | | 12½ | 1005.3 | 1029 | 40 | 20 | 250 | 55~145 | 210 | 180 | 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 |

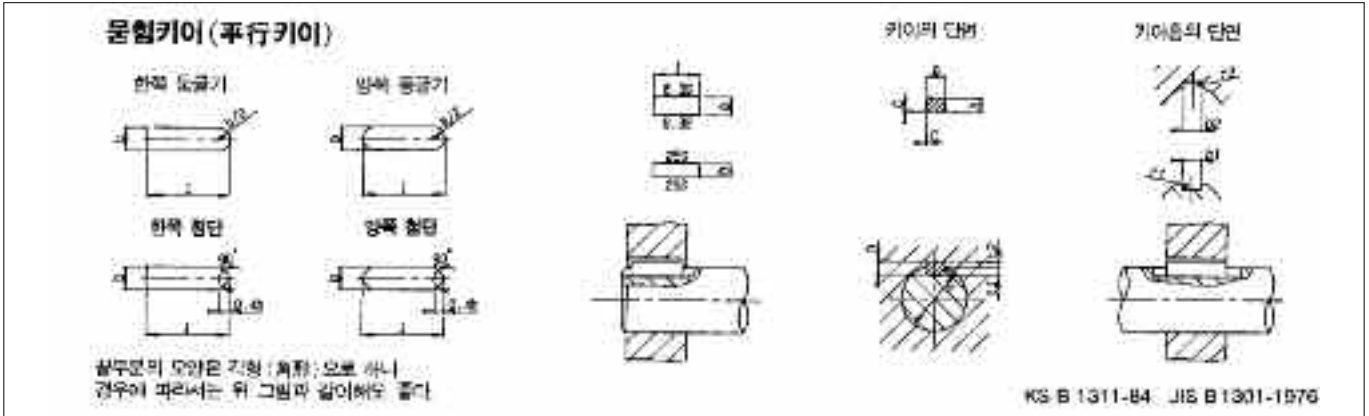
DBC B10150

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

표준 키 사양



unit : mm

| 키의 호칭 치수 b×h | 키의 치수 | | | | | | 키홈의 치수 | | | | | | | 참고 적용할 수 있는 d | | | | |
|---------------------------|-------|----------|------|--------------------------------|------|---------|--|---------------------------------|----------------|----------------|--------------------------------------|--------------------------|--------------------------|----------------------|-------------------------|---------|-------|-------|
| | b | | h | | C | ℓ | b ₁ b ₂ 의 기준치수 | 정밀급 | 보통급 | | r ₁ r ₂ | t ₁ 의 기준치수 | t ₂ 의 기준치수 | | t ₂ 의 허용차 | | | |
| | 기준치수 | 허용차 (h9) | 기준치수 | 허용차 | | | | b ₁ 및 b ₂ | b ₁ | b ₂ | | | | | | | | |
| | | | | | | | | 허용차 | 허용차 | 허용차 | | | | | | | | |
| 2x2 | 2 | 0 | 2 | 0 | h9 | 0.16 | 6~20 | 2 | -0.006 | -0.004 | ±0.0125 | 0.08 | 1.2 | 1.0 | +0.1 0 | 6~8 | | |
| 3x3 | 3 | -0.025 | 3 | -0.025 | | ~ | 6~36 | 3 | -0.031 | -0.029 | ±0.0125 | ~ | 1.8 | 1.4 | | 0 | 8~10 | |
| 4x4 | 4 | 0 | 4 | 0 | | 0.25 | 8~45 | 4 | -0.012 | 0 | ±0.0150 | 0.16 | 2.5 | 1.8 | | | 0 | 10~12 |
| 5x5 | 5 | -0.030 | 5 | -0.030 | | ~ | 10~56 | 5 | -0.042 | -0.030 | ±0.0150 | ~ | 3.0 | 2.3 | | | | 0 |
| 6x6 | 6 | 0 | 6 | 0 | | 0.40 | 14~70 | 6 | -0.042 | -0.030 | ±0.0150 | 0.16 | 3.5 | 2.8 | +0.2 0 | 17~22 | | |
| (7x7) | 7 | -0.036 | 7 | ⁰ _{-0.036} | | ~ | 16~80 | 7 | -0.015 | 0 | ±0.0180 | ~ | 4.0 | 3.0 | | 0 | 20~25 | |
| 8x7 | 8 | 0 | 7 | 0 | | 0.40 | 18~90 | 8 | -0.051 | -0.036 | ±0.0180 | 0.25 | 4.0 | 3.3 | | | 0 | 22~30 |
| 10x8 | 10 | 0 | 8 | 0 | | ~ | 22~110 | 10 | -0.018 | 0 | ±0.0215 | ~ | 5.0 | 3.3 | | 0 | | 30~38 |
| 12x8 | 12 | -0.043 | 8 | -0.090 | | 0.40 | 28~140 | 12 | -0.061 | -0.043 | ±0.0215 | 0.25 | 5.0 | 3.3 | | | 0 | 38~44 |
| 14x9 | 14 | 0 | 9 | 0 | | ~ | 36~160 | 14 | -0.018 | 0 | ±0.0215 | ~ | 5.5 | 3.8 | | 0 | | 44~50 |
| (15x10) | 15 | -0.052 | 10 | -0.110 | 0.60 | 40~180 | 15 | -0.022 | 0 | ±0.0260 | 0.40 | 5.0 | 5.0 | 0 | | | 50~55 | |
| 16x10 | 16 | 0 | 10 | 0 | ~ | 45~180 | 16 | -0.074 | -0.052 | ±0.0260 | ~ | 6.0 | 4.3 | | | 0 | 50~58 | |
| 18x11 | 18 | -0.062 | 11 | -0.130 | 0.80 | 50~200 | 18 | -0.088 | -0.062 | ±0.0310 | 0.40 | 7.0 | 4.4 | 0 | | | 58~65 | |
| 20x12 | 20 | 0 | 12 | 0 | ~ | 56~220 | 20 | -0.026 | 0 | ±0.0310 | ~ | 7.5 | 4.9 | | | 0 | 65~75 | |
| 22x14 | 22 | -0.074 | 14 | -0.160 | 1.00 | 63~250 | 22 | -0.106 | -0.074 | ±0.0370 | 0.60 | 9.0 | 5.4 | 0 | 75~85 | | | |
| (24x16) | 24 | 0 | 16 | 0 | ~ | 70~280 | 24 | -0.032 | 0 | ±0.0370 | ~ | 8.0 | 8.0 | | 0 | 80~90 | | |
| 25x14 | 25 | -0.087 | 14 | -0.160 | 1.20 | 70~280 | 25 | -0.037 | 0 | ±0.0435 | 0.60 | 9.0 | 5.4 | 0 | | 85~95 | | |
| 28x16 | 28 | 0 | 16 | 0 | ~ | 80~320 | 28 | -0.106 | -0.074 | ±0.0370 | ~ | 10.0 | 6.4 | | 0 | 95~110 | | |
| 32x18 | 32 | -0.062 | 18 | -0.130 | 1.60 | 90~360 | 32 | -0.124 | -0.087 | ±0.0435 | 1.00 | 11.0 | 7.4 | 0 | | 110~130 | | |
| (35x22) | 35 | 0 | 22 | 0 | ~ | 100~400 | 35 | -0.032 | 0 | ±0.0370 | ~ | 11.0 | 11.0 | | 0 | 125~140 | | |
| 36x20 | 36 | -0.074 | 20 | -0.160 | 2.00 | - | 36 | -0.032 | 0 | ±0.0370 | ~ | 12.0 | 8.4 | 0 | | 130~150 | | |
| (38x24) | 38 | 0 | 24 | 0 | ~ | - | 38 | -0.032 | 0 | ±0.0370 | ~ | 12.0 | 12.0 | | 0 | 140~160 | | |
| 40x22 | 40 | -0.087 | 22 | -0.130 | 2.50 | - | 40 | -0.037 | 0 | ±0.0435 | ~ | 13.0 | 9.4 | 0 | | 150~170 | | |
| (42x36) | 42 | 0 | 26 | 0 | ~ | - | 42 | -0.037 | 0 | ±0.0435 | ~ | 13.0 | 13.0 | | 0 | 160~180 | | |
| 45x25 | 45 | -0.062 | 25 | -0.130 | 3.00 | - | 45 | -0.037 | 0 | ±0.0435 | ~ | 15.0 | 10.4 | 0 | | 170~200 | | |
| 50x28 | 50 | -0.074 | 28 | -0.160 | ~ | - | 50 | -0.037 | 0 | ±0.0435 | ~ | 17.0 | 11.4 | | 0 | 200~230 | | |
| 56x32 | 56 | 0 | 32 | 0 | ~ | - | 56 | -0.037 | 0 | ±0.0435 | ~ | 20.0 | 12.4 | 0 | | 230~260 | | |
| 63x32 | 63 | -0.074 | 32 | -0.160 | 2.00 | - | 63 | -0.037 | 0 | ±0.0435 | ~ | 20.0 | 12.4 | | 0 | 260~290 | | |
| 70x36 | 70 | 0 | 36 | 0 | ~ | - | 70 | -0.037 | 0 | ±0.0435 | ~ | 22.0 | 14.4 | 0 | | 290~330 | | |
| 80x40 | 80 | -0.087 | 40 | -0.160 | 2.50 | - | 80 | -0.037 | 0 | ±0.0435 | ~ | 25.0 | 15.4 | | 0 | 330~380 | | |
| 90x45 | 90 | 0 | 45 | 0 | ~ | - | 90 | -0.037 | 0 | ±0.0435 | ~ | 28.0 | 17.4 | 0 | | 380~440 | | |
| 100x50 | 100 | -0.087 | 50 | -0.160 | 3.00 | - | 100 | -0.124 | -0.087 | ±0.0435 | 2.50 | 31.0 | 19.5 | | 0 | 440~500 | | |

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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