대지 수정 2019 1904.10.3 4:28 PM 페이지 32

7. 오일레스 부싱 / DU 부싱

DU 부싱 (DU플레이트, DU와샤)

- 윤활성과 내마모성이 뛰어난 테프론과 납혼합물을 고체 윤활제로 사용한 복층 구조의 무급유 베어링으로 소형, 경량화 및 안전 무급유사업이 최대의 장점입니다.

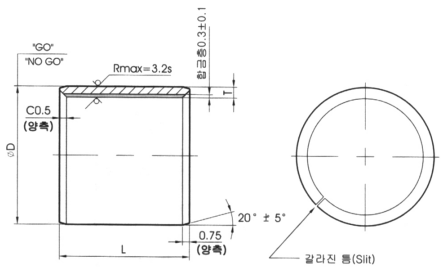
오일레스 부싱 (플레이트, 와샤)

- 특수고체 윤활제를 금속모재에 매입시킨 전식윤활계 베어링으로써 마찰 운동시 고체 윤활제의 미세 입자가 운동부위의 미세한 윤활피막을 형성하여 완전 무급유상태에서 우수한 자기윤활성과 뛰어난 내마모성을 발휘한다.

DU 베어링 표준품 치수표

베어링 / Ød 내경	외경 ØD "GO" Ring Gauge	외경 ØD "NOGO" Ring Gauge	권장 가공 공차 하우징 경 (H7)	권장 가공 공차 축 경 Dia.	코드 번호 & 길이 (길이 공차) { Ød 3Ø ~ 110Ø $^{0}_{-0.3}$, Ød 120Ø ~ 160Ø $^{0}_{-0.4}$ 3	4	5	6	7	8	10	12	15
3	5.047	5.017	5 $^{+0.012}_{0}$	3 $^{-0.025}_{-0.034}$	MB0303DU	MB0304DU	MB0305DU	MB0306DU					
4	6.047	6.017	6 $^{+0.012}_{0}$	4 $^{-0.025}_{-0.037}$		MB0404DU		MB0406DU		MB0408DU			
5	7.053	7.023	7 $^{+0.015}_{0}$	5 $^{-0.025}_{-0.037}$		MB0504DU	MB0505DU	MB0506DU		MB0508DU			
6	8.053	8.023	8 $^{+0.015}_{0}$	6 $^{-0.025}_{-0.037}$			MB0605DU	MB0606DU	MB0607DU	MB0608DU	MB0610DU		
7	9.053	9.053	9 $^{+0.015}_{0}$	7 $^{-0.025}_{-0.040}$			MB0705DU		MB0707DU		MB0710DU	MB0712DU	
8	10.055	10.025	10 $^{+0.015}_{0}$	8 $^{-0.025}_{-0.040}$			MB0805DU*	MB0806DU	MB0807DU*	MB0808DU	MB0810DU	MB0812DU	
9	11.060	11.030	11 $^{+0.018}_{0}$	9 $^{-0.025}_{-0.040}$							MB0910DU		
10	12.060	12.030	12 $^{+0.018}_{0}$	10 $^{-0.025}_{-0.040}$				MB1006DU	MB1007DU	MB1008DU	MB1010DU	MB1012DU	MB1015DU
12	14.060	14.030	14 $^{+0.018}_{0}$	12 $^{-0.025}_{-0.043}$				MB1206DU		MB1208DU	MB1210DU	MB1212DU	MB1215DU
13	15.063	15.033	15 $^{+0.018}_{0}$	13 $^{-0.025}_{-0.043}$						MB1308DU*	MB1310DU*		MB1315DU
14	16.063	16.033	16 $^{+0.018}_{0}$	14 $^{-0.025}_{-0.043}$							MB1410DU	MB1412DU	MB1415DU
15	17.073	17.038	17 $^{+0.018}_{0}$	15 $^{-0.025}_{-0.043}$						MB1508DU*	MB1510DU	MB1512DU	MB1515DU
16	18.073	18.038	18 $^{+0.018}_{0}$	16 $^{-0.025}_{-0.043}$							MB1610DU	MB1612DU	MB1615DU
17	19.081	19.046	19 $^{+0.021}_{0}$	17 $^{-0.025}_{-0.043}$									MB1715DU
18	20.081	20.046	20 $^{+0.021}_{0}$	18 $^{-0.025}_{-0.043}$							MB1810DU	MB1812DU	MB1815DU
19	22.081	22.046	22 $^{+0.021}_{0}$	19 $^{-0.025}_{-0.046}$							MB1910DU*		MB1915DU
20	23.081	23.046	23 $^{+0.021}_{0}$	20 $^{-0.025}_{-0.046}$							MB2010DU	MB2012DU	MB2015DU
22	25.086	25.051	25 $^{+0.021}_{0}$	22 $^{-0.025}_{-0.046}$							MB2210DU	MB2212DU	MB2215DU
24	27.086	27.051	27 $^{+0.021}_{0}$	24 $^{-0.025}_{-0.046}$									MB2415DU
25	28.093	28.056	28 $^{+0.021}_{0}$	25 $^{-0.025}_{-0.046}$							MB2510DU	MB2512DU	MB2515DU
26	30.115	30.075	30 $^{+0.021}_{0}$	26 $^{-0.025}_{-0.046}$									MB2615DU
28	32.115	32.075	32 $^{+0.025}_{0}$	28 $^{-0.025}_{-0.046}$								MB2812DU	MB2815DU
30	34.115	34.075	34 $^{+0.025}_{0}$	30 $^{-0.025}_{-0.046}$								MB3012DU	MB3015DU
31	35.115	35.075	35 $^{+0.025}_{0}$	31 $^{-0.025}_{-0.050}$									MB3115DU*
32	36.115	36.075	36 $^{+0.025}_{0}$	32 $^{-0.025}_{-0.050}$									
35	39.115	39.075	39 $^{+0.025}_{0}$	35 $^{-0.025}_{-0.050}$								MB3512DU	
38	42.115	42.075	42 $^{+0.025}_{0}$	38 $^{-0.025}_{-0.050}$									
40	44.115	44.075	44 $^{+0.025}_{0}$	40 $^{-0.025}_{-0.050}$								MB4012DU	MB4015DU*
45	50.115	50.075	50 $^{+0.025}_{0}$	45 $^{-0.025}_{-0.050}$									
50	55.145	55.095	55 $^{+0.030}_{0}$	50 $^{-0.025}_{-0.050}$									
55	60.145	60.095	60 $^{+0.030}_{0}$	55 $^{-0.025}_{-0.055}$									
60	65.145	65.095	65 $^{+0.030}_{0}$	60 $^{-0.025}_{-0.055}$									
65	70.145	70.095	70 $^{+0.030}_{0}$	65 $^{+0.035}_{+0.005}$									
70	75.145	75.095	75 $^{+0.030}_{0}$	70 $^{+0.035}_{+0.005}$									
75	80.160	80.095	80 $^{+0.030}_{0}$	75 $^{+0.035}_{+0.005}$									
80	85.165	85.100	85 $^{+0.035}_{0}$	80 $^{+0.035}_{+0.005}$									
85	90.165	90.100	90 $^{+0.035}_{0}$	85 $^{+0.035}_{0}$									
90	95.165	95.100	95 $^{+0.035}_{0}$	90 $^{+0.035}_{0}$									
100	105.180	105.115	105 $^{+0.035}_{0}$	100 $^{+0.035}_{0}$									
110	115.180	115.155	115 $^{+0.035}_{0}$	110 $^{+0.035}_{0}$									
120	125.185	125.120	125 $^{+0.040}_{0}$	120 $^{+0.035}_{0}$									
130	135.185	135.120	135 $^{+0.040}_{0}$	130 $^{+0.035}_{-0.005}$									
140	145.185	145.120	145 $^{+0.040}_{0}$	140 $^{+0.035}_{-0.005}$									
150	155.205	155.140	155 $^{+0.040}_{0}$	150 $^{+0.035}_{-0.005}$									
160	165.205	165.140	165 $^{+0.040}_{0}$	160 $^{+0.035}_{-0.005}$									

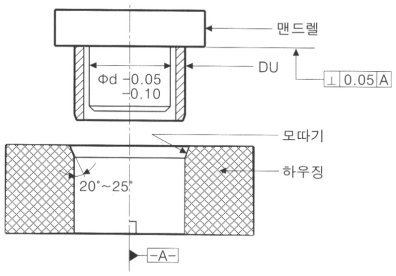
■ DU Bush



* 외경 10mm이하 또는 7mm이하의 Bush는 모서리 가공을 하지 않습니다.

■ 취급 방법

DU의 압입시 정확한 직각도가 중요하므로 아래 쪽 그림과 같은 맨드렐을 이용하여 주십시오.
쉬운 압입과 정밀도를 위하여 하우징에 20°정도의 면취가공을 하여 주십시오.



■ DU 베어링 두께 공차(T)

내경 기준(I.D) 초과	내경 기준(I.D) 이하	두께 (T)
—	Ø18	1.0 $^{0}_{-0.025}$
Ø18	Ø25	1.5 $^{0}_{-0.030}$
Ø25	Ø40	2.0 $^{0}_{-0.030}$
Ø40	Ø60	2.5 $^{0}_{-0.040}$
Ø60	Ø160	2.47 $^{0}_{-0.050}$

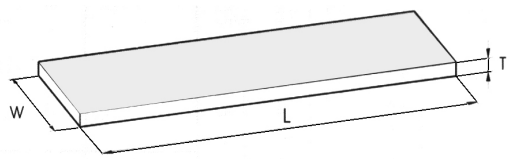
*표시 제품은 주문 사양입니다.

DU 베어링의 표준 규격

unit : mm

코드 번호 & 길이						(길이 공차) { Ød 3Ø ~ 110Ø $^{0}_{-0.3}$ / Ød 120Ø ~ 160Ø $^{0}_{-0.4}$					
20	25	30	35	40	50	60	70	80	90	95	100
MB1020DU											
MB1220DU											
MB1420DU											
MB1520DU	MB1525DU										
MB1620DU	MB1625DU										
MB1820DU	MB1825DU										
MB2020DU	MB2025DU	MB2030DU									
MB2220DU	MB2225DU										
MB2420DU	MB2425DU	MB2430DU									
MB2520DU	MB2525DU	MB2530DU	MB2535DU*								
MB2620DU		MB2630DU									
MB2820DU	MB2825DU*	MB2830DU									
MB3020DU	MB3025DU	MB3030DU	MB3035DU*	MB3040DU							
	MB3125DU			MB3140DU							
MB3220DU	MB3225DU	MB3230DU		MB3240DU							
MB3520DU	MB3525DU	MB3530DU	MB3535DU*	MB3540DU	MB3550DU						
MB3820DU	MB3825DU*	MB3830DU*	MB3835DU*	MB3840DU							
MB4020DU	MB4025DU	MB4030DU	MB4035DU*	MB4040DU	MB4050DU						
MB4520DU	MB4525DU	MB4530DU	MB4535DU*	MB4540DU	MB4550DU						
MB5020DU	MB5025DU*	MB5030DU	MB5035DU*	MB5040DU	MB5050DU*	MB5060DU					
	MB5525DU*	MB5530DU	MB5535DU*	MB5540DU	MB5550DU*	MB5560DU					
		MB6030DU	MB6035DU*	MB6040DU		MB6060DU					
		MB6530DU		MB6540DU	MB6550DU*	MB6560DU					
		MB7030DU	MB7035DU*	MB7040DU	MB7050DU*	MB7060DU		MB7080DU			
		MB7530DU	MB7535DU*	MB7540DU	MB7550DU*	MB7560DU		MB7580DU			
				MB8040DU	MB8050DU*	MB8060DU		MB8080DU			
				MB8540DU	MB8550DU*	MB8560DU		MB8580DU			
				MB9040DU		MB9060DU			MB9090DU		
					MB10050DU		MB10070DU			MB10095DU	
					MB11050DU		MB11070DU			MB11095DU	
					MB12050DU		MB12070DU			MB12095DU	
					MB13050DU			MB13080DU			
					MB14050DU			MB14080DU			MB140100DU
					MB15050DU			MB15080DU			MB150100DU
					MB16050DU			MB16080DU			MB160100DU

DU 미끄럼 판



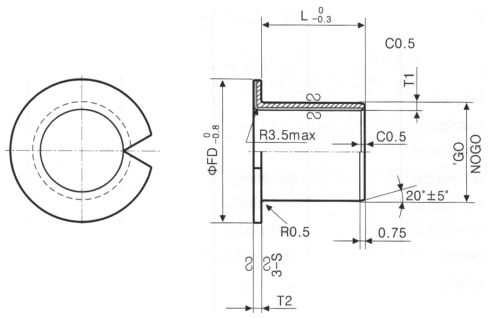
코드번호	두께 (t)	폭 (W)	길이 (L)
SS 100 DUN	1.00 $^{-0.03}_{-0.13}$	80 $^{+2.0}_{0}$	500 $^{+10.0}_{0}$
SS 150 DUN	1.50 $^{-0.03}_{-0.13}$	90 $^{+2.0}_{0}$	
SS 200 DUN	2.00 $^{-0.03}_{-0.13}$	100 $^{+2.0}_{0}$	
SS 250 DUN	2.50 $^{-0.05}_{-0.15}$	100 $^{+2.0}_{0}$	
SS 300 DUN	3.00 ±0.05	100 $^{+2.0}_{0}$	

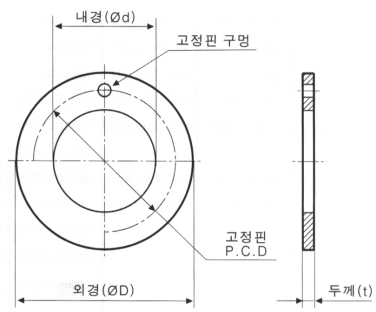
MB ○○ ○○ **DU**

- **DU** → 상품명(Product Name)
- ○○ → Bush 길이(Length)
- ○○ → Bush의 내경(Inner Dia.)
- **MB** → Millimeter-sized Bush

DU 플랜지 베어링 표준품 치수표

베어링		권장 가공 공차		두 께		코드번호 & 길이 (길이 공차) $^{0}_{-0.3}$				
내경 (Ø d)	플랜지경 (Ø FD)	하우징 경 (H7)	축 경	T1	T2	3	4	5	6	7
3	7	$4.6^{+0.012}_{0}$	$3^{-0.025}_{-0.034}$	$0.8^{0}_{-0.025}$	$0.8^{0}_{-0.15}$	MB0303-7FDU				
4	9	$5.6^{+0.012}_{0}$	$4^{-0.025}_{-0.037}$				MB0404-9FDU			
5	10	$7^{+0.015}_{0}$	$5^{-0.025}_{-0.037}$	$1.0^{0}_{-0.025}$	$1.0^{0}_{-0.15}$		MB0504-10FDU	MB0505-10FDU		
6	12	$8^{+0.015}_{0}$	$6^{-0.025}_{-0.037}$					MB0605-12FDU	MB0606-12FDU	MB0607-12FDU
7	13	$9^{+0.015}_{0}$	$7^{-0.025}_{-0.040}$					MB0705-13FDU		MB0707-13FDU
8	15	$10^{+0.015}_{0}$	$8^{-0.025}_{-0.040}$						MB0806-15FDU	
10	18	$12^{+0.018}_{0}$	$10^{-0.025}_{-0.040}$						MB1006-18FDU	MB1007-18FDU
12	20	$14^{+0.018}_{0}$	$12^{-0.025}_{-0.043}$						MB1206-20FDU	
14	22	$16^{+0.018}_{0}$	$14^{-0.025}_{-0.043}$							
15	23	$17^{+0.018}_{0}$	$15^{-0.025}_{-0.043}$							
16	24	$18^{+0.018}_{0}$	$16^{-0.025}_{-0.043}$							
18	26	$20^{+0.021}_{0}$	$18^{-0.025}_{-0.043}$							
20	31	$23^{+0.021}_{0}$	$20^{-0.025}_{-0.046}$	$1.5^{0}_{-0.030}$	$1.5^{0}_{-0.15}$					
22	33	$25^{+0.021}_{0}$	$22^{-0.025}_{-0.046}$							
24	35	$27^{+0.021}_{0}$	$24^{-0.025}_{-0.046}$							
25	36	$28^{+0.021}_{0}$	$25^{-0.025}_{-0.046}$							
26	38	$30^{+0.021}_{0}$	$26^{-0.025}_{-0.046}$	$2.0^{0}_{-0.030}$	$2.0^{0}_{-0.15}$					
28	40	$32^{+0.025}_{0}$	$28^{-0.025}_{-0.046}$							
30	42	$34^{+0.025}_{0}$	$30^{-0.025}_{-0.046}$							
31	45	$35^{+0.025}_{0}$	$31^{-0.025}_{-0.050}$							
32	46	$36^{+0.025}_{0}$	$32^{-0.025}_{-0.050}$							
35	49	$39^{+0.025}_{0}$	$35^{-0.025}_{-0.050}$							
38	52	$42^{+0.025}_{0}$	$38^{-0.025}_{-0.050}$							
40	54	$44^{+0.025}_{0}$	$40^{-0.025}_{-0.050}$							
45	60	$50^{+0.025}_{0}$	$45^{-0.025}_{-0.050}$	$2.5^{0}_{-0.040}$	$2.5^{0}_{-0.15}$					
50	65	$55^{+0.030}_{0}$	$50^{-0.025}_{-0.050}$							
55	70	$60^{+0.030}_{0}$	$55^{-0.025}_{-0.055}$							
60	75	$65^{+0.030}_{0}$	$60^{-0.025}_{-0.055}$							





DU FLANGE BUSH

MB ○○ ○○ - ○○ **F** **DU**

- **DU** ▶ 상품명(Product Name)
- **F** ▶ Flange
- ○○ ▶ Flange Dia.
- ○○ ▶ Flange 제외 길이(Length, except for Flange)
- ○○ ▶ Bush의 내경(Inner Dia.)
- **MB** ▶ Millimeter-sized Bush

DU THRUST WASHER

WC ○○ **DUN**

- **DUN** ▶ 상품명(Product Name)
- ○○ ▶ 조립할 Bush의 내경(Bush Inner Dia.)
- **WC** ▶ Thrust Washer

DU 플랜지 베어링 표준 규격

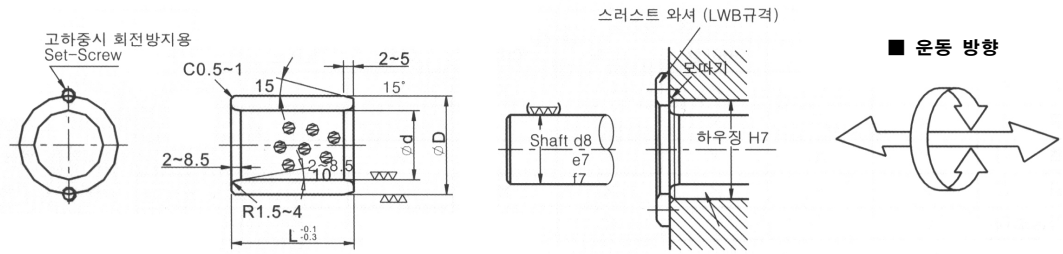
unit : mm

코드번호 & 길이					(길이 공차) $^{0}_{-0.3}$				
8	10	12	15	20	25	30	40	50	60
MB0608-12FDU	MB0610-12FDU								
	MB0710-13FDU	MB0712-13FDU							
MB0808-15FDU	MB0810-15FDU	MB0812-15FDU							
MB1008-18FDU	MB1010-18FDU	MB1012-18FDU	MB1015-18FDU						
MB1208-20FDU	MB1210-20FDU	MB1212-20FDU	MB1215-20FDU	MB1220-20FDU					
	MB1410-22FDU	MB1412-22FDU	MB1415-22FDU	MB1420-22FDU					
	MB1510-23FDU	MB1512-23FDU	MB1515-23FDU	MB1520-23FDU	MB1525-23FDU				
	MB1610-24FDU	MB1612-24FDU	MB1615-24FDU	MB1620-24FDU	MB1625-24FDU				
	MB1810-26FDU	MB1812-26FDU	MB1815-26FDU	MB1820-26FDU	MB1825-26FDU				
	MB2010-31FDU	MB2012-31FDU	MB2015-31FDU	MB2020-31FDU	MB2025-31FDU	MB2030-31FDU			
	MB2210-33FDU	MB2212-33FDU	MB2215-33FDU	MB2220-33FDU	MB2225-33FDU				
			MB2415-35FDU	MB2420-35FDU	MB2425-35FDU	MB2430-35FDU			
	MB2510-36FDU	MB2512-36FDU	MB2515-36FDU	MB2520-36FDU	MB2525-36FDU	MB2530-36FDU			
			MB2615-38FDU	MB2620-38FDU					
		MB2812-40FDU	MB2815-40FDU	MB2820-40FDU		MB2830-40FDU			
		MB3012-42FDU	MB3015-42FDU	MB3020-42FDU	MB3025-42FDU	MB3030-42FDU	MB3040-42FDU		
					MB3125-45FDU				
				MB3220-46FDU	MB3225-46FDU	MB3230-46FDU			
		MB3512-49FDU		MB3520-49FDU	MB3525-49FDU	MB3530-49FDU	MB3540-49FDU	MB3550-49FDU	
				MB3820-52FDU		MB3830-52FDU	MB3840-52FDU		
		MB4012-54FDU		MB4020-54FDU	MB4025-54FDU	MB4030-54FDU	MB4040-54FDU	MB4050-54FDU	
				MB4520-60FDU	MB4525-60FDU	MB4530-60FDU	MB4540-60FDU	MB4550-60FDU	
				MB5020-65FDU		MB5030-65FDU	MB5040-65FDU		MB5060-65FDU
						MB5530-70FDU	MB5540-70FDU		MB5560-70FDU
						MB6030-75FDU	MB6040-75FDU		MB6060-75FDU

DU 스러스트 와셔 표준품 치수표

코드번호	내경 (Ød)	외경 (ØD)	두께 (t)	고정핀 홀직경	고정핀 P.C.D	하우징 깊이
WC 06 DUN	8 $^{+0.25}_{0}$	16 $^{0}_{-0.25}$	1.5 $^{-0.03}_{-0.08}$	1.0 $^{+0.20}_{-0.05}$	12 $^{+0.12}$	1.0 $^{+0.20}_{-0.05}$
WC 08 DUN	10 $^{+0.25}_{0}$	18 $^{0}_{-0.25}$			14 $^{+0.12}$	
WC 10 DUN	12 $^{+0.25}_{0}$	24 $^{0}_{-0.25}$			18 $^{+0.12}$	
WC 12 DUN	14 $^{+0.25}_{0}$	26 $^{0}_{-0.25}$			20 $^{+0.12}$	
WC 14 DUN	16 $^{+0.25}_{0}$	30 $^{0}_{-0.25}$			23 $^{+0.12}$	
WC 16 DUN	18 $^{+0.25}_{0}$	32 $^{0}_{-0.25}$			25 $^{+0.12}$	
WC 18 DUN	20 $^{+0.25}_{0}$	36 $^{0}_{-0.25}$			28 $^{+0.12}$	
WC 20 DUN	22 $^{+0.25}_{0}$	38 $^{0}_{-0.25}$			30 $^{+0.12}$	
WC 22 DUN	24 $^{+0.25}_{0}$	42 $^{0}_{-0.25}$			33 $^{+0.12}$	
WC 24 DUN	26 $^{+0.25}_{0}$	44 $^{0}_{-0.25}$			35 $^{+0.12}$	
WC 25 DUN	28 $^{+0.25}_{0}$	48 $^{0}_{-0.25}$			38 $^{+0.12}$	
WC 30 DUN	32 $^{+0.25}_{0}$	54 $^{0}_{-0.25}$			43 $^{+0.12}$	
WC 35 DUN	38 $^{+0.25}_{0}$	62 $^{0}_{-0.25}$			50 $^{+0.12}$	
WC 40 DUN	42 $^{+0.25}_{0}$	66 $^{0}_{-0.25}$			54 $^{+0.12}$	
WC 45 DUN	48 $^{+0.25}_{0}$	74 $^{0}_{-0.25}$	2.0 $^{-0.03}_{-0.08}$	1.5 $^{+0.2}_{-0.05}$	61 $^{+0.12}$	1.5 $^{+0.20}_{-0.05}$
WC 50 DUN	52 $^{+0.25}_{0}$	78 $^{0}_{-0.25}$			65 $^{+0.12}$	

오일레스 #500 부싱 표준품(LSB 규격)



■ **가공할 축의 공차** … dB : 중하중용 e7 : 경하중용 f7 : 정밀급용

★ **재질** : #500SP(CAC304) & #500B(CAC406) #500F(GC250)

제품 코드	축경	치수 및 공차		길 이 (L -0.1 -0.3)								
		내 경	외 경									
		Ød F7	ØD m6	8	10	12	15	16	20	25	30	35
LSB	8	8 +0.028 +0.013	12 +0.018 +0.007	*081208	*081210	*081212	*081215					
	10	10 +0.028 +0.013	14 +0.018 +0.007	*101408	*101410	*101412	*101415		*101420			
	12	12 +0.034 +0.016	18 +0.018 +0.007		*121810	*121812	*121815	121816	121820	121825	121830	
	13	13 +0.034 +0.016	19 +0.021 +0.008		*131910		131915		131920			
	14	14 +0.034 +0.016	20 +0.021 +0.008		*142010	*142012	*142015		*142020	*142025	*142030	
	15	15 +0.034 +0.016	21 +0.021 +0.008		*152110	*152112	152115	*152116	152120	152125	*152130	
	16	16 +0.034 +0.016	22 +0.021 +0.008		*162210	*162212		162216	162220	162225	162230	162235
	18	18 +0.034 +0.016	24 +0.021 +0.008				182415	*182416	182420	182425	182430	
	20	20 +0.041 +0.020	28 +0.021 +0.008				*202815	202816	202820	202825	202830	202835
		20 +0.041 +0.020	30 +0.021 +0.008					203016	203020	203025	203030	203035
	25	25 +0.041 +0.020	33 +0.025 +0.009					253316	253320	253325	253330	253335
		25 +0.041 +0.020	35 +0.025 +0.009					253516	253520	253525	253530	253535
	30	30 +0.041 +0.020	38 +0.025 +0.009						303820	303825	303830	303835
		30 +0.041 +0.020	40 +0.025 +0.009						304020	304025	304030	304035
	31.5	31.5 +0.050 +0.025	40 +0.025 +0.009								314030	
	35	35 +0.050 +0.025	44 +0.025 +0.009								354430	354435
		35 +0.050 +0.025	45 +0.025 +0.009								354530	354535
	40	40 +0.050 +0.025	50 +0.025 +0.009								405030	405035
		40 +0.050 +0.025	55 +0.030 +0.011								405530	405535
	45	45 +0.050 +0.025	55 +0.030 +0.011								455530	455535
		45 +0.050 +0.025	56 +0.030 +0.011								455630	455635
		45 +0.050 +0.025	60 +0.030 +0.011								456030	456035
	50	50 +0.050 +0.025	60 +0.030 +0.011								506030	506035
		50 +0.050 +0.025	62 +0.030 +0.011								506230	506235
		50 +0.050 +0.025	65 +0.030 +0.011								506530	
	55	55 +0.060 +0.030	70 +0.030 +0.011									
	60	60 +0.060 +0.030	74 +0.030 +0.011								607430	607435
		60 +0.060 +0.030	75 +0.030 +0.011								607530	607535
	63	63 +0.060 +0.030	75 +0.030 +0.011									
	65	65 +0.060 +0.030	80 +0.030 +0.011									
	70	70 +0.060 +0.030	85 +0.035 +0.013									708535
		70 +0.060 +0.030	90 +0.035 +0.013									
	75	75 +0.060 +0.030	90 +0.035 +0.013									
		75 +0.060 +0.030	95 +0.035 +0.013									
	80	80 +0.060 +0.030	96 +0.035 +0.013									
		80 +0.060 +0.030	100 +0.035 +0.013									
	90	90 +0.071 +0.036	110 +0.035 +0.013									
	100	100 +0.071 +0.036	120 +0.035 +0.013									
	110	110 +0.071 +0.036	130 +0.040 +0.015									
	120	120 +0.071 +0.036	140 +0.040 +0.015									
	125	125 +0.083 +0.043	145 +0.040 +0.015									
	130	130 +0.083 +0.043	150 +0.040 +0.015									
	140	140 +0.083 +0.043	160 +0.040 +0.015									
	150	150 +0.083 +0.043	170 +0.040 +0.015									
	160	160 +0.083 +0.043	180 +0.040 +0.015									

■ 코드표시법

LSB OO OO OO OO

- 재질(Base Metal) : SP, B, F, S, Aℓ 등
- 부싱 길이(Length)
- 외경(Outer Dia.)
- 내경(Inner Dia.)
- 제품코드(Product Code)

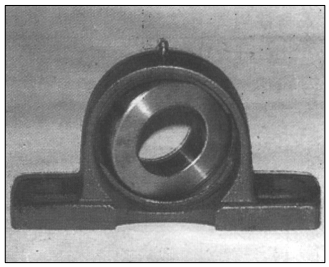
※ (구)코드 HB와 동일한 제품입니다.

단위 : mm

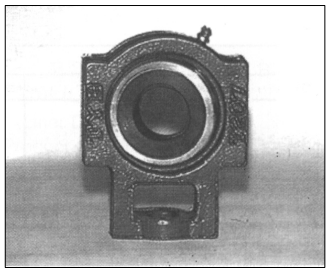
40	50	60	70	80	100	120	130	140	150	Ød	ØD	적용할 와셔
										8	12	-
										10	14	LWB-10
										12	18	LWB-12
										13	19	LWB-13
										14	20	LWB-14
										15	21	LWB-15
162240										16	22	LWB-16
										18	24	LWB-18
202840	*202850									20	28	LWB-20
203040										20	30	LWB-20
253340	253350	*253360								25	33	LWB-25
253540	253550									25	35	LWB-25
303840	303850	303860								30	38	LWB-30
304040	304050	304060								30	40	LWB-30
314040										31.5	40	-
354440	354450	354460								35	44	LWB-35
354540	354550	354560								35	45	LWB-35
405040	405050	405060	405070	*405080						40	50	LWB-40
405540	405550	405560								40	55	LWB-40
455540	455550	455560								45	55	LWB-45
455640	455650	455660								45	56	LWB-45
456040	456050	456060	456070	*456080						45	60	LWB-45
506040	506050	506060	*506070	*506080						50	60	LWB-50
506240	506250	506260	506270							50	62	LWB-50
506540	506550	506560	506570	506580	5065100					50	65	LWB-50
557040	557050	557060	557070							55	70	LWB-55
607440	607450	607460	607470	607480						60	74	LWB-60
607540	607550	607560	607570	607580	6075100					60	75	LWB-60
		637560	637570	637580						63	75	-
	658050	658060	658070	658080						65	80	LWB-65
708540	708550	708560	708570	708580	7085100					70	85	LWB-70
	709050	709060	709070	709080						70	90	LWB-70
		759060	759070	759080	7590100					75	90	LWB-75
		759560	759570	759580	7595100					75	95	LWB-75
809640	809650	809660	809670	809680	8096100	8096120				80	96	LWB-80
8010040	8010050	8010060	8010070	8010080	80100100	80100120		*80100140		80	100	LWB-80
		9011060		9011080	90110100	*90110120				90	110	LWB-90
		10012060	10012070	10012080	100120100	100120120		*100120140		100	120	LWB-100
				11013080	110130100	110130120				110	130	-
				12014080	120140100	120140120		*120140140		120	140	LWB-120
					125145100	125145120				125	145	-
					130150100		130150130			130	150	-
					140160100			140160140		140	160	-
					150170100				150170150	150	170	-
					160180100				160180150	160	180	-

U/C 베어링(응용 제품)

기존의 볼 베어링형 UC베어링으로는 해결이 어려웠던
특수용도에 적합한 진일보된 응용제품입니다.
뛰어난 내구성과 탁월한 성능으로 산업기계 전반에 걸쳐
지금까지의 문제점을 해결하는데 일익을 담당해 드릴 것입니다.



UC #500형



UC #200A형

■ 특 징

- 완전 무급유로 사용할 수 있습니다.
- 고하중의 저속운동에 이상적입니다.
- 저온～고온에 사용이 가능합니다.
- 내화학, 내식, 내수성이 우수합니다.
- 내충격, 이물질 침입에 강합니다.(특히 #200)

■ 베어링 특성

- UC #500 : 고하중, 저속, 내열, 내화학, 내식용

급유 \ 특성	사용온도(+℃)	허용하중 (kgf/cm$^{2)}$	허용속도 (m/min)	허용 PV값 (kgf/cm^2 · min)
무 급 유	80	500 (SL4)	15	1,000
	300	300 (1,000)	30	1,000
	400	50	15	600
정 기 급 유	150	300	60	2,000

※ (1000) : 정적 허용하중(Low Speed), (SL4) : 수중용 윤활제

- UC #200A : 내충격, 이물질 침입, 내수, 내약품용

급유 \ 특성	허용하중 (kgf/cm^2)	허용속도 (m/min)	허용 PV값 (kgf/cm^2 · min)	사용온도(Max.+℃)
무 급 유	200	25	1,000	80
정 기 급 유	200	100	1,500	100

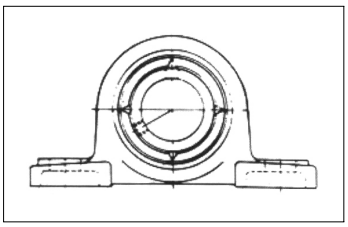
■ 사용분야

제철, 제강설비, 화학설비, 광산설비 및 Conveyor, (농축)수산물 가공설비 및 Conveyor 염색설비, Paining & Drying Line, 제지기계, 열교환기, 충전기계 외 산업기계 전반에 걸쳐 광범위한 용도를 가집니다.

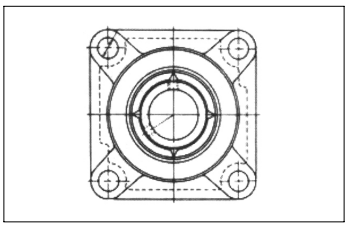
• 문의 사항 : (주)수덕베어링 T. 042) 625-6904 F. 042) 673-4807

■ 종 류

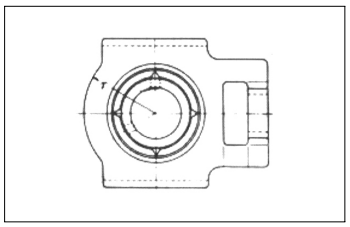
● 케이스 별



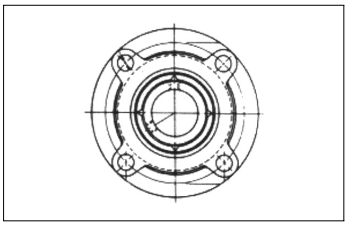
UCP형



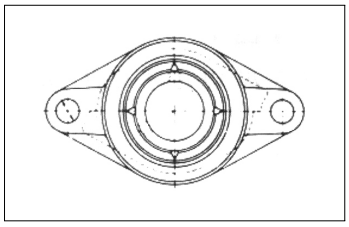
UCF형



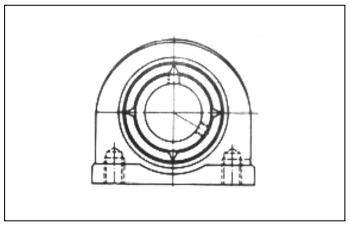
UCT형



UCFC형



UCFL형



UCUP형

※ 상기 외에도 CASE의 국내산업이 가능한 이행규격도 수주 생산합니다.
비표준품은 발주 전에 필히 당사와 기술검토를 요망합니다.

● 베어링 규격별

베어링 번호	축경(mm)	베어링 번호	축경(mm)
UC 201	12	UC 210	50
UC 202	15	UC 211	55
UC 203	17	UC 212	60
UC 204	20	UC 213	65
UC 205	25	UC 214	70
UC 206	30	UC 215	75
UC 207	35	UC 216	80
UC 208	40	UC 217	85
UC 209	45	UC 218	90

베어링 번호	축경(mm)	베어링 번호	축경(mm)	베어링 번호	축경(mm)
UC 305	25	UC 314	70	UC 324	120
UC 306	30	UC 315	75	UC 326	130
UC 307	35	UC 316	80	UC 328	140
UC 308	40	UC 317	85	-	-
UC 309	45	UC 318	90	-	-
UC 310	50	UC 319	95	-	-
UC 311	55	UC 320	100	-	-
UC 312	60	UC 321	105	-	-
UC 313	65	UC 322	110	-	-

■ 적용공차에 관하여

일반적으로 Ball Bearing형은 전동체인 Ball의 회전운동에 의해 작동되므로 축과 베어링 내륜간에 Running Clearance가 불필요하나 Oilless형은 축과 Bush 내경간의 직접적인 면마찰운동에 의해 작동하므로 필히 공차에 의한 Running Clearance가 확보되어야만 작동이 가능합니다.
따라서 예로 UCP #500이나 UCF #200A 등 상이한 재질을 용도별로 사용하고자 할 경우에는 필히 LuBo #500, LuBo #200A 등 각 카다로그에 표기되어 있는 공차 일람표상의 축과 Bush내경의 가공공차 및 Running Clearance를 참조해 주십시오.
이때 고열 사용이나 수중사용 등은 열팽창률과 흡수팽창률을 반드시 계산해서 내경 또는 축가공을 해주어야 함에 주의해야 합니다.