

볼스크류

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연삭 주문형식

SFU R 025 05 T4 D G C5 - 600 - P1 - B2 + N3 N3

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

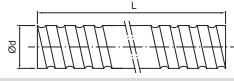
① 품번	② 나사방향	⑤ 회로수	⑦ 축종류
S : Single nut	R : Right	Turn : T : 1	G : Ground
D : Double nut	L : Left	A : 1.5 (or 1.7/1.8)	F : Rolled
O : OFF set double nut		B : 2.5/2.8	
F : With flange	③ 축경	C : 3.5	⑧ 정도 등급
C : Without flange	Unit : mm	D : 4.8	C0, C1, C2, C3, C5, C7, C10
NI : NI type nut		E : 5.8	
NU : NU type nut		ex : (2.5 × 2 = B2)	
H : H type nut	④ 리드	⑥ 플랜지타입	⑨ 축길이
A : A type nut	Unit : mm	N : Not cutting	Unit : mm
NH : NH nut 슬라이드테이블용		S : Single cutting	
U : Y : Y type nut		D : Double cutting	
YA : YA type nut			
V : V type nut			
U : U type nut			
M : M type nut			
K : K type nut			

⑩ 축 방향 클리어런스	⑪ 축표면처리
P0, P1, P2, P3, P4	(너트 불필요시 공란) EX : 축에 너트 2개 조립시 B2

⑫ 너트표면처리	⑬ 축표면처리
S : 표준	S : 표준
B1 : 흑산화처리	B1 : 흑산화처리
N1 : 경질크롬도금	N1 : 경질크롬도금
P : 인산염처리	P : 인산염처리
N3 : 니켈도금	N3 : 니켈도금
N4 : 레이던트	N4 : 레이던트
N5 : 크롬도금	N5 : 크롬도금

※ 도금이 필요하지 않은 경우 생략
※ C5급 이상의 연삭 볼스크류는 검사 성적서 제공

볼스크류 모델코드



나사(스크류) 축 외경

연삭 볼스크류 사양 Ø4~32

품번 Ød	l	Da	정도등급	나사방향	열수	축 표준 품번	너트타입
				R : Right L : Left			
4	1	0.8	C7, C5, C3	R	1	SCR00401	K
6	1	0.8	C7, C5, C3	R	1	SCR00601	K
8	1	0.8	C7, C5, C3	R/L	1	SCR00801	K
	2	1.2	C7, C5, C3	R/L	1	SCR00802	K
	2.5	1.2	C7, C5, C3	R	1	SCR0082.5	K, BSH
10	2	1.2	C7, C5, C3	R/L	1	SCR01002	K, BSH
	4	2	C7, C5, C3	R	1	SCR01004	K, BSH
	2	1.2	C7, C5, C3	R/L	1	SCR01202	K
12	4	2.5	C7, C5, C3	R	1	SCR01204	U, BSH
	5	2.5	C7, C5, C3	R	1	SSR01205	V, U, BSH, H, A
	10	2.5	C7, C5, C3	R	1	SCR01210-B	V
	2	1.2	C7, C5, C3	R/L	1	SCR01402	K
14	4	2.5	C7, C5, C3	R	1	SCR01404	K, BSH
	10	3.175	C7, C5, C3	R	1	SCR01510	V
15	20	3.175	C7, C5, C3	R	1	SCR01520	V
16	2	1.2	C7, C5, C3	R/L	1	SCR01602	K
	4	2.381	C7, C5, C3	R	1	SCR01604(N)	V, I, U, BSH
	5	3.175	C7, C5, C3	R/L	1	SCR01605	V, NI, NU, BSH
	10	3.175	C7, C5, C3	R/L	1	SCR01610	V, NI, NU, BSH
	16	2.778	C7, C5, C3	R	2	SCR01616	Y, YA
	32	2.778	C7, C5, C3	R	2	SCR01632	Y, YA
20	2	1.2	C7, C5, C3	R	1	SCR02002	K
	4	2.381	C7, C5, C3	R	1	SCR02004(N)	V, I, U
	5	3.175	C7, C5, C3	R/L	1	SCR02005	V, NI, NU, BSH, H, A
	10	3.969	C7, C5, C3	R	1	SCR02010	V
	20	3.175	C7, C5, C3	R	2	SCR02020	V, Y, YA, H, A
	40	3.175	C7, C5, C3	R	2	SCR02040	Y, YA
25	2	1.2	C7, C5, C3	R	1	SCR02502	K
	4	2.381	C7, C5, C3	R	1	SCR02504(N)	I, U
	5	3.175	C7, C5, C3	R/L	1	SCR02505	V, NI, NU, BSH, H, A
	6	3.969	C7, C5, C3	R	1	SCR02506	V, U
	8	4.762	C7, C5, C3	R	1	SCR02508	V, U
	10	4.762	C7, C5, C3	R/L	1	SCR02510-A	NI, NU, BSH
	10	6.35	C7, C5, C3	R	1	SCR02510-B	V
	25	3.969	C7, C5, C3	R	2	SCR02525	Y, YA
	50	3.969	C7, C5, C3	R	2	SCR02550	Y, YA
	4	2.381	C7, C5, C3	R	1	SCR03204(N)	V, I, U
32	5	3.175	C7, C5, C3	R/L	1	SCR03205	V, NI, NU, M, H, A
	6	3.969	C7, C5, C3	R	1	SCR03206	V, U
	8	4.762	C7, C5, C3	R	1	SCR03208	V, U
	10	6.35	C7, C5, C3	R/L	1	SCR03210	V, NI, NU
	20	6.35	C7, C5, C3	R	1	SCR03220	V
	32	4.762	C7, C5, C3	R	2	SCR03232	Y, YA
	64	4.762	C7, C5, C3	R	2	SCR03264	Y, YA

표준사양

단위 : mm

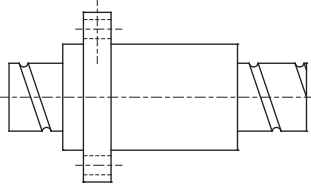
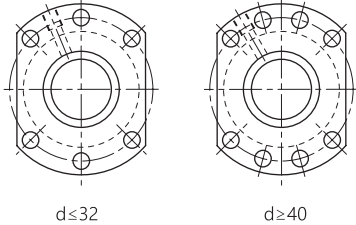
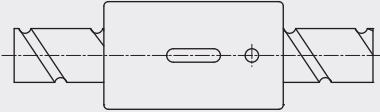
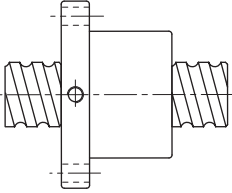
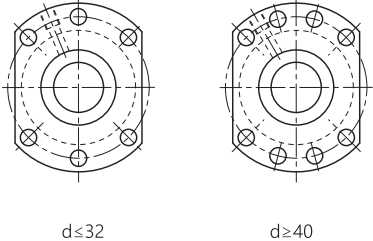
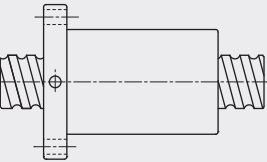
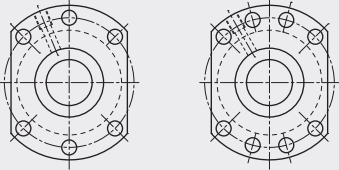
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Ød	I	Da		R : Right L : Left			
40	5	3.175	C7, C5, C3	R / L	1	SCR04005	V, NI, NU, H, A
	6	3.969	C7, C5, C3	R	1	SCR04006	V, U
	8	4.762	C7, C5, C3	R	1	SCR04008	V, U
	10	6.35	C7, C5, C3	R / L	1	SCR04010	V, NI, NU
	20	6.35	C7, C5, C3	R	1	SCR04020	V
	40	6.35	C7, C5, C3	R	2	SCR04040	Y, YA
	80	6.35	C7, C5, C3	R	2	SCR04080	Y, YA
50	5	3.175	C7, C5, C3	R	1	SCR05005	V, H, A
	10	6.35	C7, C5, C3	R / L	1	SCR05010	V, NI, NU
	20	7.144	C7, C5, C3	R	1	SCR05020	NU
	20	9.525	C7, C5, C3	R	1	SCR05020	V
	50	7.938	C7, C5, C3	R	2	SCR05050	Y, YA
	100	7.938	C7, C5, C3	R	2	SCR050100	Y, YA
63	10	6.35	C7, C5, C3	R	1	SCR06310	V, NI, NU
	20	9.525	C7, C5, C3	R	1	SCR06320	V, NU
80	10	6.35	C7, C5, C3	R	1	SCR08010	V, NI, NU
	20	9.525	C7, C5, C3	R	1	SCR08020	V, NU

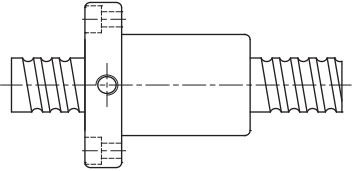
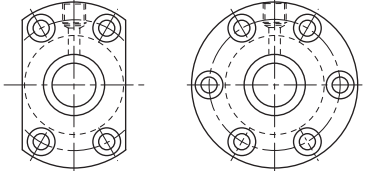
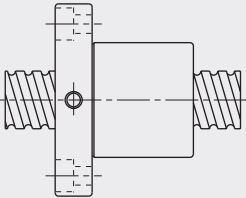
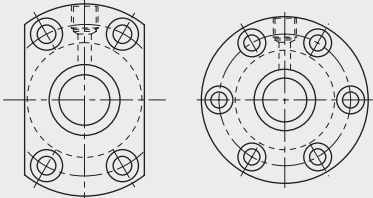
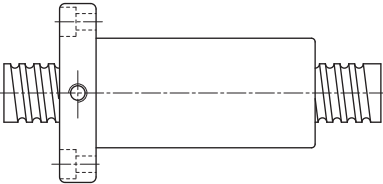
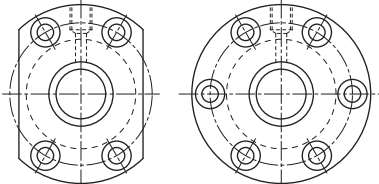
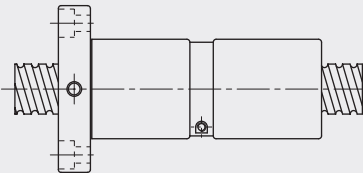
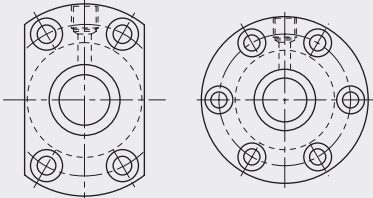
H,A 타입 사양

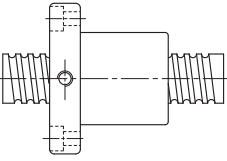
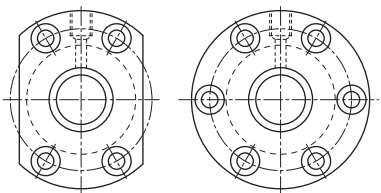
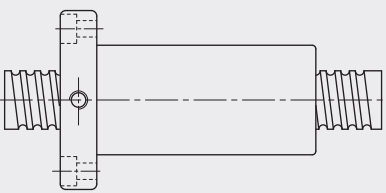
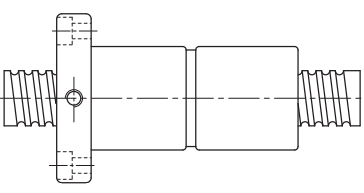
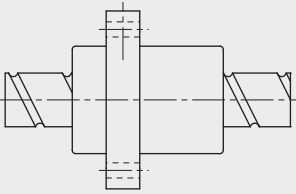
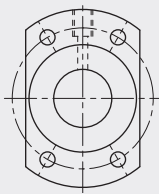
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Ød	I	Da		R : Right L : Left			
12	10	2.5	C7, C5, C3	R	1	SSR01210	H, A
16	5	2.778	C7, C5, C3	R	1	SSR01605	H, A
	10	2.778	C7, C5, C3	R	1	SSR01610	H, A
	16	2.778	C7, C5, C3	R	1	SSR01616	H, A
	20	2.778	C7, C5, C3	R	1	SSR01620	H, A
	30	2.778	C7, C5, C3	R	1	CR01630	A
20	10	3.175	C7, C5, C3	R	1	SSR02010	H, A
25	10	3.175	C7, C5, C3	R	1	SSR02510	H, A
	25	3.175	C7, C5, C3	R	1	SSR02525	H, A, V
32	10	3.969	C7, C5, C3	R	1	SSR03210	H, A
	20	3.969	C7, C5, C3	R	1	SSR03220	H, A
	32	6.35	C7, C5, C3	R	1	SSR03232	H, A
40	10	6.35	C7, C5, C3	R	1	SSR04010	H, A
	20	6.35	C7, C5, C3	R	1	SSR04020	H, A
	40	6.35	C7, C5, C3	R	1	SSR04040	H, A
50	10	6.35	C7, C5, C3	R	1	SSR05010	H, A
	20	6.35	C7, C5, C3	R	1	SSR05020	H, A
	50	6.35	C7, C5, C3	R	1	SSR05050	H, A

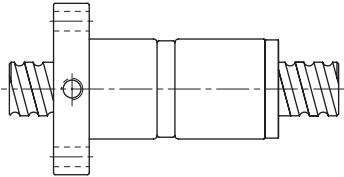
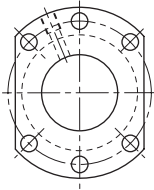
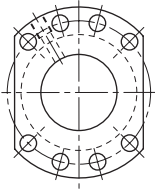
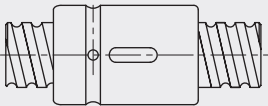
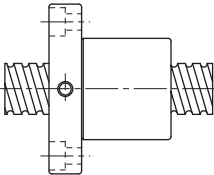
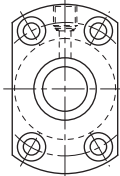
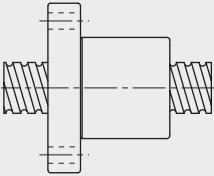
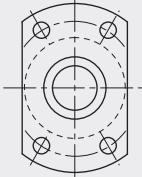
정밀 연삭 볼스크류 시리즈

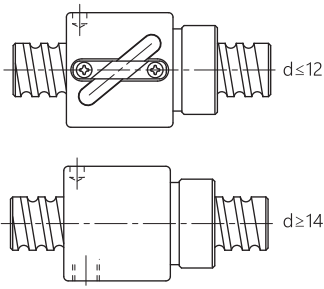
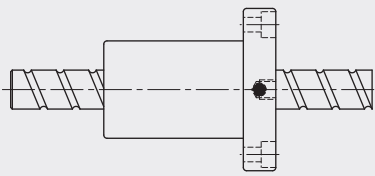
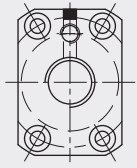
TBI MOTION 연삭 볼스크류 너트 타입

	너트 타입	플랜지 타입
NH/H/A	SFNH/SFH/SFA 고속/방진환경특화(구 SFS) 	 $d \leq 32$ $d \geq 40$
CNH	SCNH 	No-Flange
NU/U	SFNU/SFU 방진환경특화 	 $d \leq 32$ $d \geq 40$
OFU/U	OFU/DFU 	

너트 타입		플랜지 타입
I/I/	SFNI/SFI 방진환경특화 	
M	SFM 밀링용 	
OF/I/	OFI/DFI 	
M	DFM 	

너트 타입		플랜지 타입	
V	SFV 고하중 		
OFV	OFV 		
V	DFV 고하중 		
Y/NA	SFY/SFYA 		

너트 타입		플랜지 타입	
S	DFS 고속/저소음		  Model No. ≤3232 Model No. ≥4005
	SCNI/SCI 표준		No-Flange
K	SFK 미니어쳐		 (SFK 01004) (SFK 02002) (SFK 02502)
	SFK 미니어쳐		

너트 타입		플랜지 타입
BSH	BSH  $d \leq 12$ $d \geq 14$	No-Flange
XSV	XSV 	

※특주타입 너트 별도 확인 필요

예압 차트

예압	I, U, M-type	H, A-type	Y, YA-type	V-type	BSH-type	K-type
P0						
P1	√	√	√	√	√	√
P2	√	√	√	√	√	
P3	√	√	√	√	√	
P4				√		

전조 볼스크류

전조 나사는 나사산 물러를 통해 만들어집니다. 일반적으로 전조 볼스크류는 마찰과 백래쉬를 낮추면서 보다 부드러운 작동을 실현합니다. 그래서 종래의 ACME나사와 사다리꼴 나사를 서서히 대체하여 왔습니다. 더욱이 전조는 연삭과 비교하여 비용대비 효율이 높고, 너트 예압에 의해 축방향 유격을 제거할 수 있습니다.

- (1) C5 등급까지의 리드 정확도
C7 및 C10 나사가 표준화됨. 요청시 C5.
- (2) 정밀 연삭 볼너트
고정밀 볼 너트는 전조 스크류와 연삭 스크류간에 상호 교환이 가능합니다.
- (3) 별도 배송가능
축과 너트를 분리하여 배송할 수 있어 최단 납기를 보장합니다. 너트는 P0예압으로 표준화되어 있으며 예압값은 리볼링을 통해 조정할 수 있습니다.

전조 축 주문형식

SC

R

025

05

F

C7

- 1000

+

N3

①

②

③

④

⑤

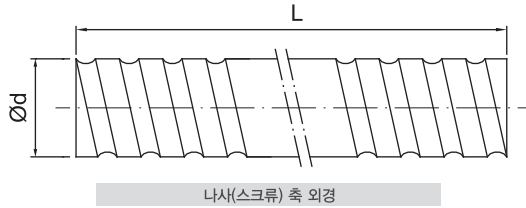
⑥

⑦

⑧

①	④	⑦
나사축의 종류	리드	축 길이
S : 표준	Unit : mm	Unit : mm
SS : H,NH,A형 너트		
②	⑤	⑧
나사방향	축의 종류	축 표면처리
R : Right	F : 전조	□ : 표준
L : Left		B1 : 흑산화처리
		N1 : 경질크롬도금
③	⑥	P : 인산염처리
축경	정도등급	N3 : 니켈도금
Unit : mm	C5, C7, C10	N4 : 레이던트
		N5 : 크롬도금

볼스크류 모델코드



전조 볼스크류 사양 Ø6~32

단위 : mm

품번			정도등급	나사방향	열수	축 품번	너트타입	축 최장길이
d	l	Da		R : Right L : Left				
6	1	0.8	C10, C7	R	1	SCR00601	K	1000
8	1	0.8	C10, C7	R	1	SCR00801	K	1000
	2	1.2	C10, C7	R	1	SCR00802	K	
	2.5	1.2	C10, C7	R	1	SCR0082.5	K, BSH	
10	2	1.2	C10, C7	R	1	SCR01002	K, BSH	3000
	4	2	C10, C7	R	1	SCR01004	K, BSH	
12	2	1.2	C10, C7	R	1	SCR01202	K	3000
	4	2.5	C10, C7	R	1	SCR01204	U, BSH	
	5	2.5	C10, C7	R	1	SSR01205	V, U, BSH, H, A	
	10	2.5	C10, C7	R	1	SCR01210-B	V	
14	2	1.2	C10, C7	R	1	SCR01220	Y	3000
	20	2.5	C10, C7	R	4	SCR01220	Y	
16	2	1.2	C10, C7	R	1	SCR01402	K	3000
	4	2.5	C10, C7	R	1	SCR01404	K, BSH	3000
20	4	2.381	C10, C7	R	1	SCR01604(N)	V, I, U, BSH	3000
	5	3.175	C10, C7	R/L	1	SCR01605	V, NI, NU, BSH	
	10	3.175	C10, C7	R	1	SCR01610	V, NI, NU, BSH	
	16	2.778	C10, C7	R	4	SCR01616	Y, YA	
	32	2.778	C10, C7	R	8	SCR01632	Y, YA	
25	4	2.381	C10, C7	R	1	SCR02004(N)	V, I, U	3000
	5	3.175	C10, C7	R/L	1	SCR02005	V, NI, NU, BSH, H, A	
	20	3.175	C10, C7	R	4	SCR02020	V, Y, YA, H, A	
	40	3.175	C10, C7	R	8	SCR02040	Y, YA	
32	4	2.381	C10, C7	R	1	SCR02504(N)	I, U	6000
	5	3.175	C10, C7	R/L	1	SCR02505	V, NI, NU, BSH, H, A	
	10	4.762	C10, C7	R	1	SCR02510-A	NI, NU, BSH	
	25	3.969	C10, C7	R	4	SCR02525	Y, YA	
	50	3.969	C10, C7	R	8	SCR02550	Y, YA	
32	4	2.381	C10, C7	R	1	SCR03204(N)	V, I, U	6000
	5	3.175	C10, C7	R/L	1	SCR03205	V, NI, NU, M, H, A	
	10	6.35	C10, C7	R/L	1	SCR03210	V, NI, NU	
	32	4.762	C10, C7	R	4	SCR03232	Y, YA	
	64	4.762	C10, C7	R	8	SCR03264	Y, YA	

표준 사양 Ø40~80

품번			정도등급	나사방향	열수	축 품번	너트타입	축 최장길이
d	I	Da		R : Right L : Left				
40	5	3.175	C10, C7	R/L	1	SCR04005	V, NI, NU, H, A	6000
	10	6.35	C10, C7	R/L	1	SCR04010	V, NI, NU	
	20	6.35	C10, C7	R	1	SCR04020	V	
	40	6.35	C10, C7	R	4	SCR04040	Y, YA	
	80	6.35	C10, C7	R	8	SCR04080	Y, YA	
50°	5	3.175	C10, C7	R	1	SCR05005	V, H, A	6000
	10	6.35	C10, C7	R/L	1	SCR05010	V, NI, NU	
	20	9.525	C10, C7	R	1	SCR05020	V	
	50	7.938	C10, C7	R	4	SCR05050	Y, YA	
	100	7.938	C10, C7	R	8	SCR050100	Y, YA	
63°	10	6.35	C10, C7	R	1	SCR06310	V, NI, NU	7000
	20	9.525	C10, C7	R	1	SCR06320	V, NU	
80°	10	6.35	C10, C7	R	1	SCR08010	V, NI, NU	7000
	20	9.525	C10, C7	R	1	SCR08020	V, NU	

표준 사양 Ø12~50

품번			정도등급	나사방향	열수	축 품번	너트타입	축 최장길이
d	I	Da		R : Right L : Left				
12	10	2.5	C10, C7	R	2	SSR01210	H, A	3000
16	5	2.778	C10, C7	R	1	SSR01605	H, A	3000
	10	2.778	C10, C7	R	2	SSR01610	H, A	
	16	2.778	C10, C7	R	4	SSR01616	H, A	
	20	2.778	C10, C7	R	4	SSR01620	H, A	
20	10	3.175	C10, C7	R	2	SSR02010	H, A	3000
25	10	3.175	C10, C7	R	2	SSR02510	H, A	6000
	25	3.175	C10, C7	R	4	SSR02525	H, A, V	
32	10	3.969	C10, C7	R	1	SSR03210	H, A	6000
	20	3.969	C10, C7	R	2	SSR03220	H, A	
	32	3.969	C10, C7	R	4	SSR03232	H, A	
40	10	6.35	C10, C7	R	1	SSR04010	H, A	6000
	20	6.35	C10, C7	R	2	SSR04020	H, A	
	40	6.35	C10, C7	R	4	SSR04040	H, A	
50°	10	6.35	C10, C7	R	1	SSR05010	H, A	6000
	20	6.35	C10, C7	R	2	SSR05020	H, A	
	50	6.35	C10, C7	R	4	SSR05050	H, A	

너트 주문형식

F SFU R 025 05 T4 D + N3

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

①

제품코드

②

표준모델

S	S : Single nut
	D : Double nut
F	F : With flange
	C : Without flange
U	NI : NI type nut
	NU : NU type nut
	H : H type nut
	A : A type nut
	NH : NH nut (A solution for slide table)
	Y : Y type nut
	YA : YA type nut
	V : V type nut
	U : U type nut
	M : M type nut
	K : K type nut

③

나사 방향

R : Right
L : Left

④

축경

Unit : mm

⑤

리드

Unit : mm

⑥

회로수

Turn : T : 1
A : 1.5 (or 1.7/1.8)
B : 2.5/2.8
C : 3.5
D : 4.8
E : 5.8
ex : (2.5 × 2 = B2)

⑦

플랜지 타입

N : 원형
S : 싱글커팅
D : 더블커팅

⑧

너트 표면처리

S : 표준
B1 : 흑산화처리
N1 : 경질크롬도금
P : 인산염처리
N3 : 니켈도금
N4 : 레이던트
N5 : 크롬도금

전조 볼스크류의 예압

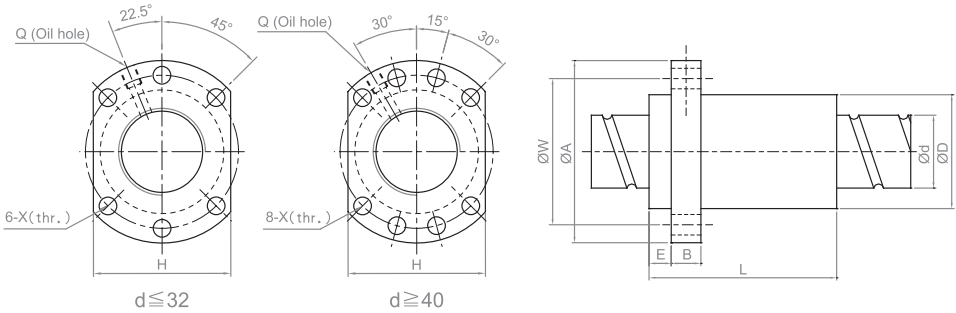
전조 볼스크류 예압은 P0, P1은 사전에 문의하십시오.

전조 볼스크류의 정도 등급

단위 : μm

정도등급	C5 (DIN)	C7	C10
e300	23	50	210

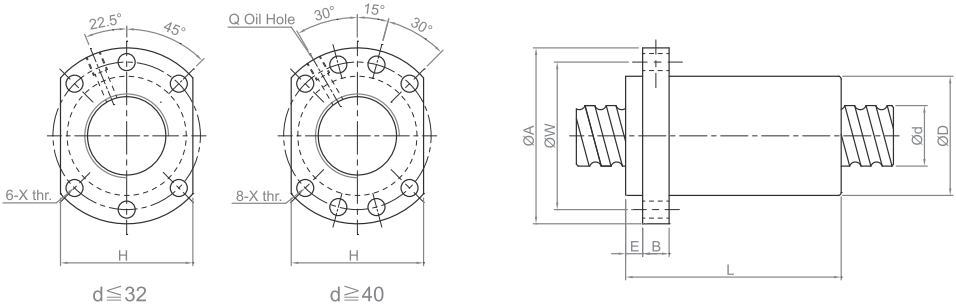
SFNH/SFH 사양(구 SFS)



단위 : mm

품번	d	l	Da	Dimension										동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)
				D	A	E	B	L	W	H	X	Q	회로수			
SFH01205-2.8 *	12	5	2.5	24	40	5	10	30	32	30	4.5		2.8x1	661	1316	19
SFH01210-2.8 *		10	2.5	24	40	5	10	45	32	30	4.5		2.8x1	642	1287	19
SFH01605-3.8 *	15	5	2.778	28	48	5	10	37	38	40	5.5	M6	3.8x1	1112	2507	30
SFH01610-2.8 *		10	2.778	28	48	5	10	45	38	40	5.5	M6	2.8x1	839	1821	23
SFH01616-1.8 *		16	2.778	28	48	5	10	45	38	40	5.5	M6	1.8x1	552	1137	14
SFH01616-2.8 *		16	2.778	28	48	5	10	61	38	40	5.5	M6	2.8x1	808	1769	22
SFH01620-1.8 *		20	2.778	28	48	7	10	58	38	40	5.5	M6	1.8x1	554	1170	14
SFH02005-3.8 *	20	5	3.175	36	58	7	10	37	47	44	6.6	M6	3.8x1	1484	3681	37
SFH02010-3.8 *		10	3.175	36	58	7	10	55	47	44	6.6	M6	3.8x1	1516	3833	40
SFH02020-1.8 *		20	3.175	36	58	7	10	54	47	44	6.6	M6	1.8x1	764	1758	19
SFH02020-2.8 *		20	3.175	36	58	7	10	74	47	44	6.6	M6	2.8x1	1118	2734	29
SFH02505-3.8 *	25	5	3.175	40	62	7	10	37	51	48	6.6	M6	3.8x1	1650	4658	43
SFH02510-3.8 *		10	3.175	40	62	7	12	55	51	48	6.6	M6	3.8x1	1638	4633	45
SFH02525-1.8 *		25	3.175	40	62	7	12	64	51	48	6.6	M6	1.8x1	843	2199	22
SFH02525-2.8 *		25	3.175	40	62	7	12	89	51	48	6.6	M6	2.8x1	1232	3421	34
SFH03205-3.8	32	5	3.175	50	80	9	12	37	65	62	9	M6	3.8x1	1839	6026	51
SFH03210-3.8		10	3.969	50	80	9	12	57	65	62	9	M6	3.8x1	2460	7255	55
SFH03220-2.8		20	3.969	50	80	9	12	76	65	62	9	M6	2.8x1	1907	5482	43
SFH03232-1.8		32	3.969	50	80	9	12	80	65	62	9	M6	1.8x1	1257	3426	27
SFH03232-2.8		32	3.969	50	80	9	12	112	65	62	9	M6	2.8x1	1838	5329	42
SFH04005-3.8	40	5	3.175	63	93	9	15	42	78	70	9	M8	3.8x1	2018	7589	60
SFH04010-3.8		10	6.35	63	93	9	14	60	78	70	9	M8	3.8x1	5035	13943	67
SFH04020-2.8		20	6.35	63	93	9	14	80	78	70	9	M8	2.8x1	3959	10715	54
SFH04040-1.8		40	6.35	63	93	9	14	98	78	70	9	M8	1.8x1	2585	6648	34
SFH04040-2.8		40	6.35	63	93	9	14	138	78	70	9	M8	2.8x1	3780	10341	52
SFH05005-3.8	50	5	3.175	75	110	10.5	15	42	93	85	11	M8	3.8x1	2207	9542	68
SFH05010-3.8		10	6.35	75	110	10.5	18	60	93	85	11	M8	3.8x1	5638	17852	79
SFH05020-3.8		20	6.35	75	110	10.5	18	100	93	85	11	M8	3.8x1	5749	18485	87
SFH05050-1.8		50	6.35	75	110	10.5	18	120	93	85	11	M8	1.8x1	2946	8749	42
SFH05050-2.8		50	6.35	75	110	10.5	18	170	93	85	11	M8	2.8x1	4308	13610	65

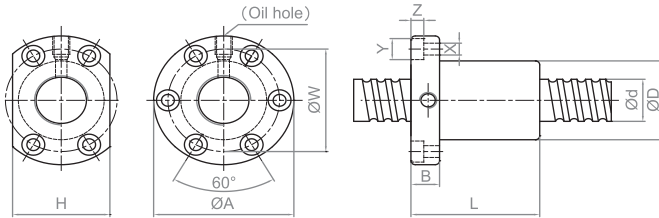
SFA 사양 (구 SFNH/SFH/SFS)



단위 : mm

품번	d	l	Da	Dimension										동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)
				D	A	E	B	L	W	H	X	Q	회로수			
SFA1205-2.8 *	12	5	2.5	24	40	5	10	30	32	30	4.5		2.8×1	661	1316	19
SFA1210-2.8 *		10	2.5	24	40	5	10	42	32	30	4.5		2.8×1	642	1287	19
SFA1605-3.8 *	15	5	2.778	28	48	5	10	31	38	40	5.5	M6	3.8×1	1112	2507	30
SFA1610-2.8 *		10	2.778	28	48	5	10	42	38	40	5.5	M6	2.8×1	839	1821	23
SFA1616-1.8 *		16	2.778	28	48	5	10	43	38	40	5.5	M6	1.8×1	552	1137	14
SFA1616-2.8 *		16	2.778	28	48	5	10	59	38	40	5.5	M6	2.8×1	808	1769	22
SFA1620-1.8 *		20	2.778	28	48	5	10	50	38	40	5.5	M6	1.8×1	554	1170	14
SFA1630-1.8 *		30	2.778	28	48	7	10	70	38	40	5.5	M6	1.8×1	534	1195	14
SFA2005-3.8 *	20	5	3.175	36	58	7	10	33	47	44	6.6	M6	3.8×1	1484	3681	37
SFA2010-3.8 *		10	3.175	36	58	7	10	52	47	44	6.6	M6	3.8×1	1516	3833	40
SFA2020-1.8 *		20	3.175	36	58	7	10	52	47	44	6.6	M6	1.8×1	764	1758	19
SFA2020-2.8 *		20	3.175	36	58	7	10	72	47	44	6.6	M6	2.8×1	1118	2734	29
SFA2505-3.8 *	25	5	3.175	40	62	7	10	33	51	48	6.6	M6	3.8×1	1650	4658	43
SFA2510-3.8 *		10	3.175	40	62	7	12	52	51	48	6.6	M6	3.8×1	1638	4633	45
SFA2525-1.8 *		25	3.175	40	62	7	12	60	51	48	6.6	M6	1.8×1	843	2199	22
SFA2525-2.8 *		25	3.175	40	62	7	12	85	51	48	6.6	M6	2.8×1	1232	3421	34
SFA3205-3.8	32	5	3.175	50	80	9	12	35	65	62	9	M6	3.8×1	1839	6026	51
SFA3210-3.8	31	10	3.969	50	80	9	12	53	65	62	9	M6	3.8×1	2460	7255	55
SFA3220-2.8		20	3.969	50	80	9	12	72	65	62	9	M6	2.8×1	1907	5482	43
SFA3232-1.8		32	3.969	50	80	9	12	78	65	62	9	M6	1.8×1	1257	3426	27
SFA3232-2.8		32	3.969	50	80	9	12	110	65	62	9	M6	2.8×1	1838	5329	42
SFA4005-3.8	40	5	3.175	63	93	9	14	39	78	70	9	M8	3.8×1	2018	7589	60
SFA4010-3.8	38	10	6.35	63	93	9	14	57	78	70	9	M8	3.8×1	5035	13943	67
SFA4020-2.8		20	6.35	63	93	9	14	78	78	70	9	M8	2.8×1	3959	10715	54
SFA4040-1.8		40	6.35	63	93	9	14	96	78	70	9	M8	1.8×1	2585	6648	34
SFA4040-2.8		40	6.35	63	93	9	14	136	78	70	9	M8	2.8×1	3780	10341	52
SFA5005-3.8	50	5	3.175	75	110	10.5	15	42	93	85	11	M8	3.8×1	2207	9542	68
SFA5010-3.8	48	10	6.35	75	110	10.5	18	57	93	85	11	M8	3.8×1	5638	17852	79
SFA5020-3.8		20	6.35	75	110	10.5	18	98	93	85	11	M8	3.8×1	5749	18485	87
SFA5050-1.8		50	6.35	75	110	10.5	18	117	93	85	11	M8	1.8×1	2946	8749	42
SFA5050-2.8		50	6.35	75	110	10.5	18	167	93	85	11	M8	2.8×1	4308	13610	65

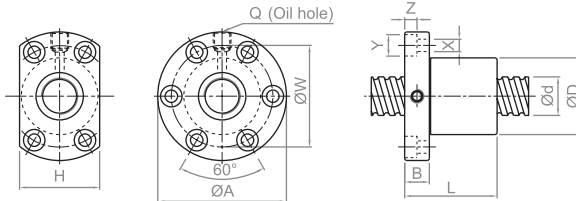
SFNI/SFI 사양



단위 : mm

품번	d	l	Da	Dimension										동정격		정정격	강성
				D	A	B	L	W	H	X	Y	Z	Q	회로수	하중(kgf)		
SFNI01605-4 [*]	16	5	3.175	30	49	10	45	39	34	4.5	8	4.5	M6	1x4	1380	3052	33
XSIRO1603-3 [*]		10	3.175	30	49	10	55	39	34	4.5	8	4.5	M6	1x3	1103	2401	27
SFNI02005-4 [*]	20	5	3.175	34	57	11	51	45	40	5.5	9.5	5.5	M6	1x4	1551	3875	39
SFNI02505-4 [*]	25	5	3.175	40	63	11	51	51	46	5.5	9.5	5.5	M8	1x4	1724	4904	45
SFNI02510-4 [*]		10	4.762	46	72	12	80	58	52	6.5	11	6.5	M6	1x4	2954	7295	51
SFNI03205-4 [*]	32	5	3.175	46	72	12	52	58	52	6.5	11	6.5	M8	1x4	1922	6343	52
SFNI03210-4 [*]		10	6.35	54	88	15	85	70	62	9	14	8.5	M8	1x4	4805	12208	62
SFNI04005-4 [*]	40	5	3.175	56	90	15	55	72	64	9	14	8.5	M8	1x4	2110	7988	59
SFNI04010-4 [*]		10	6.35	62	104	18	88	82	70	11	17.5	11	M8	1x4	5399	15500	72
SFNI05010-4 [*]	50	10	6.35	72	114	18	88	92	82	11	17.5	11	M8	1x4	6004	19614	83
SFNI06310-4	63	10	6.35	85	131	22	93	107	95	14	20	13	M8	1x4	6719	25358	95
SFNI08010-4	80	10	6.35	105	150	22	93	127	115	14	20	13	M8	1x4	7346	31953	109
SFI01604-4	16	4	2.381	30	49	10	45	39	34	4.5	8	4.5	M6	1x4	973	2406	32
SFI02004-4		4	2.381	34	57	11	46	45	40	5.5	9.5	5.5	M6	1x4	1066	2987	37
SFI0205T-4	20	5.08	3.175	34	57	11	51	45	40	5.5	9.5	5.5	M6	1x4	1550	3875	39
SFI02504-4 [*]		4	2.381	40	63	11	46	51	46	5.5	9.5	5.5	M6	1x4	1180	3795	43
SFI0255T-4		5.08	3.175	40	63	11	51	51	46	5.5	9.5	5.5	M8	1x4	1724	4903	45
SFI03204-4	32	4	2.381	46	72	12	47	58	52	6.5	11	6.5	M6	1x4	1296	4838	49

SFM 사양

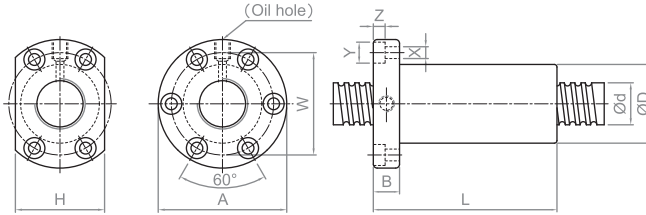


단위 : mm

품번	d	l	Da	Dimension										동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)	
				D	A	B	L	W	H	X	Y	Z	Q				회로수
SFM03205-4*	32	5	3.175	48	74	12	52	60	60	6.5	11	6.5	M8	1x4	1922	6343	53
SFM0325T-4*		5.08	3.175	48	74	12	53	60	60	6.5	11	6.5	M8	1x4	1922	6343	53

※ ☆ 왼쪽 사용 가능

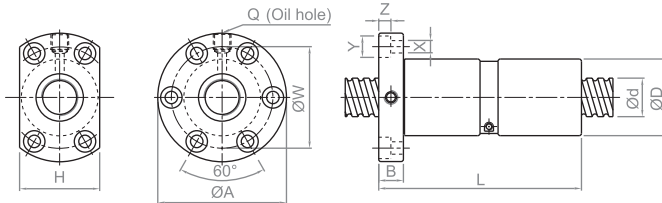
OFI/DFI 사양



단위 : mm

품목	d	l	Da	Dimension										동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)	
				D	A	B	L	W	H	X	Y	Z	Q				회로수
OFI01605-4	16	5	3.175	30	49	10	75	39	34	4.5	8	4.5	M6	1x4	1380	3052	44
OFI02005-4	20	5	3.175	34	57	11	85	45	40	5.5	9.5	5.5	M6	1x4	1551	3875	52
OFI02505-4	25	5	3.175	40	63	11	86	51	46	5.5	9.5	5.5	M8	1x4	1724	4904	62
OFI02510-4		10	4.762	46	72	12	130	58	52	6.5	11	6.5	M6	1x4	2954	7295	68
OFI03205-4	32	5	3.175	46	72	12	87	58	52	6.5	11	6.5	M8	1x4	1922	6343	72
OFI03210-4		10	6.35	54	88	15	145	70	62	9	14	8.5	M8	1x4	4805	12208	83
OFI04005-4	40	5	3.175	56	90	15	90	72	64	9	14	8.5	M8	1x4	2110	7988	84
OFI04010-4		10	6.35	62	104	18	148	82	70	11	17.5	11	M8	1x4	5399	15500	99
OFI05010-4	50	10	6.35	72	114	18	148	92	82	11	17.5	11	M8	1x4	6004	19614	115
OFI06310-4	63	10	6.35	85	131	22	153	107	95	14	20	13	M8	1x4	6719	25358	135
OFI08010-4	80	10	6.35	105	150	22	153	127	115	14	20	13	M8	1x4	7346	31953	156
DFI01604-4	16	4	2.381	30	49	10	80	39	34	4.5	8	4.5	M6	1x4	973	2406	44
DFI02004-4	20	4	2.381	34	57	11	80	45	40	5.5	9.5	5.5	M6	1x4	1066	2987	51
DFI02504-4	25	4	2.381	40	63	11	80	51	46	5.5	9.5	5.5	M6	1x4	1180	3795	60
DFI0255T-4		5.08	3.175	40	63	11	101	51	46	5.5	9.5	5.5	M8	1x4	1724	4903	62
DFI03204-4	32	4	2.381	46	72	12	80	58	52	6.5	11	6.5	M6	1x4	1296	4838	69
DFI0325T-4		5.08	3.175	46	72	12	102	58	52	6.5	11	6.5	M8	1x4	1922	6343	72

DFM 사양

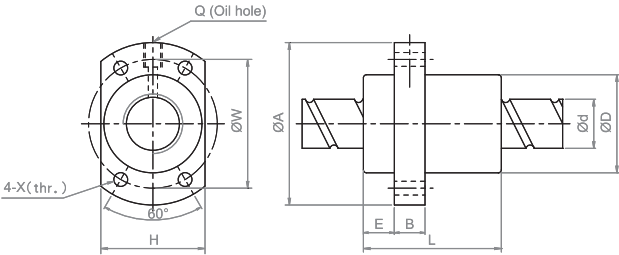


단위 : mm

품목	d	l	Da	Dimension										동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)	
				D	A	B	L	W	H	X	Y	Z	Q				회로수
DFM03205-4*	32	5	3.175	48	74	12	102	60	60	6.5	11	6.5	M8	1x4	1922	6343	73
DFM0325T-4*		5.08	3.175	48	74	12	104	60	60	6.5	11	6.5	M8	1x4	1922	6343	73

* ☆ 왼쪽 사용 가능

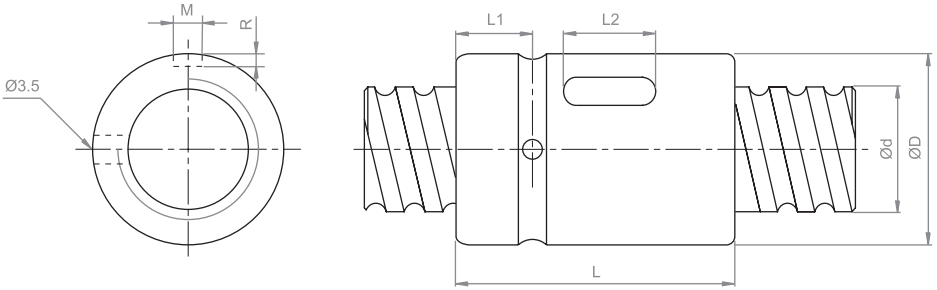
SFYA 사양 (구 SFY)



단위 : mm

품번	d	l	Da	Dimension										동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/ μ m)
				D	A	E	B	L	W	H	X	Q	회로수			
SFYA01616-3.6	16	16	2.778	32	53	10.1	10	45	42	34	4.5	M6	1.8*2	1073	2551	31
SFYA02020-3.6	20	20	3.175	39	62	13	10	52	50	41	5.5	M6	1.8*2	1387	3515	37
SFYA02525-3.6	25	25	3.969	47	74	15	12	64	60	49	6.6	M6	1.8*2	2074	5494	45
SFYA03232-3.6	32	32	4.762	58	92	17	12	78	74	60	9	M6	1.8*2	3021	8690	58
SFYA04040-3.6	40	40	6.35	73	114	19.5	15	99	93	75	11	M6	1.8*2	4831	14062	70
SFYA05050-3.6	50	50	7.938	90	135	21.5	20	117	112	92	14	M6	1.8*2	7220	21974	86
품번	d	l	Da	Dimension										동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/ μ m)
				D	A	E	B	L	W	H	X	Q	회로수			
SFYA01632-1.6	16	32	2.778	32	53	10.1	10	42.5	42	34	4.5	M6	0.8*2	493	1116	11
SFYA02040-1.6	20	40	3.175	39	62	13	10	48	50	41	5.5	M6	0.8*2	653	1597	15
SFYA02550-1.6	25	50	3.969	47	74	15	12	58	60	49	6.6	M6	0.8*2	976	2495	19
SFYA03264-1.6	32	64	4.762	58	92	17	12	71	74	60	9	M6	0.8*2	1374	3571	22
SFYA04080-1.6	40	80	6.35	73	114	19.5	15	90	93	75	11	M6	0.8*2	2273	6387	29
SFYA050100-1.6	50	100	7.938	90	135	21.5	20	111	112	92	14	M6	0.8*2	3398	9980	35

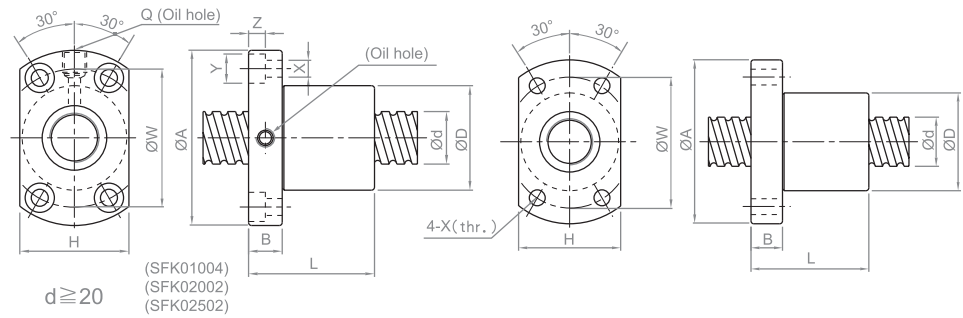
SCNI/SCI 사양



단위 : mm

품번	d	I	Da	Dimension							동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)
				D	L	L1	L2	M	R	회로수			
SCNI 01605-4	16	5	3.175	30	45	9	20	5	3	1x4	1380	3052	33
SCNI 02005-4	20	5	3.175	34	45	9	20	5	3	1x4	1551	3875	39
SCNI 02505-4	25	5	3.175	40	45	9	20	5	3	1x4	1724	4904	45
SCNI 02510-4		10	4.762	46	85	13	30	5	3	1x4	2954	7295	51
SCNI 03205-4	32	5	3.175	46	45	9	20	5	3	1x4	1922	6343	52
SCNI 03210-4		10	6.35	54	85	13	30	5	3	1x4	4805	12208	62
SCNI 04005-4	40	5	3.175	56	45	9	20	5	3	1x4	2110	7988	59
SCNI 04010-4		10	6.35	62	85	13	30	5	3	1x4	5399	15500	72
SCNI 05010-4	50	10	6.35	72	85	13	30	5	3	1x4	6004	19614	83
SCNI 06310-4	63	10	6.35	85	85	13	30	6	3.5	1x4	6719	25358	95
SCNI 08010-4	80	10	6.35	105	85	13	30	8	4.5	1x4	7346	31953	109
SCI 01604-4	16	4	2.381	30	40	9	15	3	1.5	1x4	973	2406	32
SCI 02004-4	20	4	2.381	34	40	9	15	3	1.5	1x4	1066	2987	37
SCI 02504-4	25	4	2.381	40	40	9	15	3	1.5	1x4	1180	3795	43
SCI 03204-4	32	4	2.381	46	40	9	15	3	1.5	1x4	1296	4838	49

SFK 사양



단위 : mm

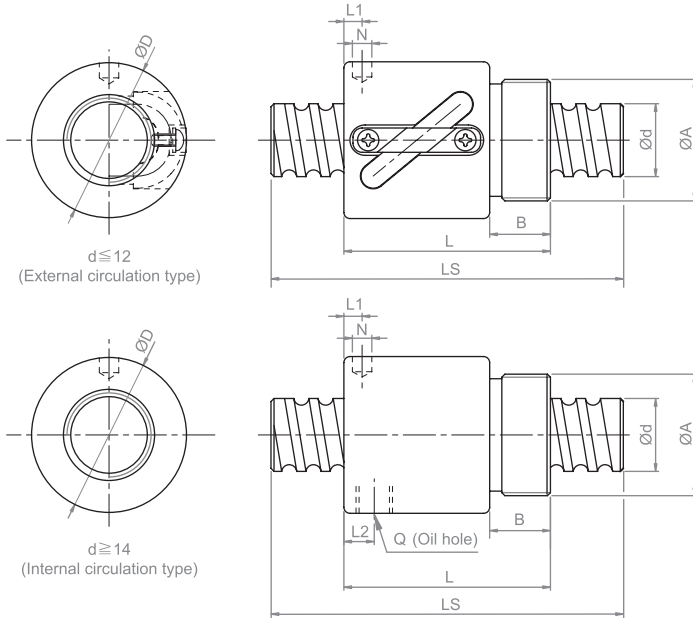
품번	d	I	Da	Dimension											동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)
				D	A	B	L	W	H	X	Y	Z	Q	회로수			
SFK00401	4	1	0.8	10	20	3	12	15	14	2.9	-	-	-	1x2	64	97	5
SFK00601	6	1	0.8	12	24	3.5	15	18	16	3.4	-	-	-	1x3	111	224	9
SFK00801 [☆]	8	1	0.8	14	27	4	16	21	18	3.4	-	-	-	1x4	161	403	14
SFK00802 [☆]		2	1.2	14	27	4	18	21	18	3.4	-	-	-	1x3	222	458	13
SFK0082.5		2.5	1.2	16	29	4	26	23	20	3.4	-	-	-	1x3	221	457	13
SFK01002 [☆]	10	2	1.2	18	35	5	28	27	22	4.5	-	-	-	1x3	243	569	15
SFK01004		4	2	20	37	6	34	29	28	4.5	-	-	-	1x3	468	905	17
SFK01202 [☆]	12	2	1.2	20	37	5	28	29	24	4.5	-	-	-	1x4	334	906	22
SFK01402 [☆]	14	2	1.2	21	40	6	23	31	26	5.5	-	-	-	1x4	354	1053	24
SFK01602 [☆]	16	2	1.2	25	42	10	40	35	29	5.5	-	-	M6	1x4	373	1200	26
SFK02002	20	2	1.2	50	80	15	55	65	68	6.5	10.5	6	M6	1x6	581	2284	48
SFK02502	25	2	1.2	50	80	13	43	65	68	6.5	10.5	6	M6	1x5	540	2381	46

※ ☆ 왼쪽 사용 가능

단위 : mm

품번	d	I	Da	Dimension											동정격 하중(kgf)	정정격 하중(kgf)	강성 (kgf/μm)
				D	A	B	L	W	H	X	Y	Z	Q	회로수			
XSUR01204T3D-02	12	4	2.5	24	40	6	28	32	25	3.5	-	-	-	1x3	704	1413	-
XSUR01205T3D-00		5	2.5	22	37	8	39	29	24	4.5	-	-	-	1x3	702	1409	17

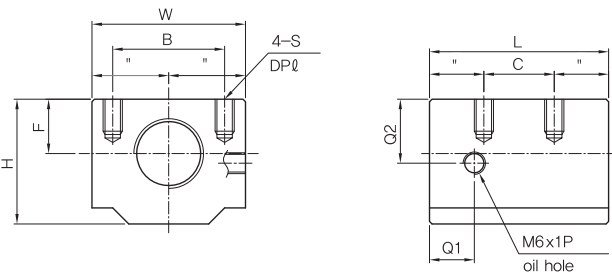
BSH 사양



단위 : mm

품번	d	l	Da	Dimension									동정력 하중(kgf)	정정력 하중(kgf)	강성 (kgf/μm)
				D	A	B	L	L1	N	L2	Q	회로수			
BSHR0082.5-2.5	8	2.5	1.2	17.5	M15x1P	7.5	23.5	10	3	-	-	2.5x1	189	381	11
BSHR01002-3.5	10	2	1.2	19.5	M17x1P	7.5	22	3	3.2	-	-	3.5x1	277	664	17
BSHR01004-2.5		4	2	25	M20x1P	10	34	3	3	-	-	2.5x1	400	754	14
BSHR01204-3.5	12	4	2.5	25.5	M20x1P	10	34	13	3	-	-	3.5x1	804	1649	23
BSHR01205-3.5		5	2.5	25.5	M20x1P	10	39	16.25	3	-	-	3.5x1	801	1644	24
BSHR01404-3	14	4	2.5	32.1	M25x1.5P	10	35	11	3	-	-	1x3	748	1609	26
BSHR01604-3	16	4	2.381	29	M22x1.5P	8	32	4	3.2	-	-	1x3	759	1804	24
BSHR01605-3		5	3.175	32.5	M26x1.5P	12	42	19.25	3	-	-	1x3	1077	2289	25
BSHR01610-2		10	3.175	32	M26x1.5P	12	50	3	4	3	M4	1x2	779	1601	14
BSHR02005-3	20	5	3.175	38	M35x1.5P	15	45	20.3	3	-	-	1x3	1211	2906	30
BSHR02505-4	25	5	3.175	43	M40x1.5P	19	69	32.11	3	8	M6	1x4	1724	4904	37
BSHR02510-4		10	4.762	43	M40x1.5P	19	84	8	6	8	M6	1x4	2954	7295	41

BNTR 사양

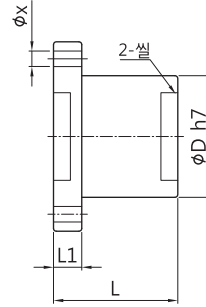
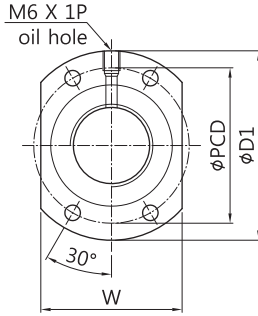


(단위 : mm)

품번		리드	W	H	F	L	B	C	S x ℓ	Ø1	Ø2	볼경	동정격 하중(kgf)	정정격 하중(kgf)	강성
BNTR	1604	4	42	32.5	16	51	32	22	M5x8	14	18	2.381	973	2406	32
BNTR	1605	5	42	32.5	16	56	32	22	M5x8	14	18	3.175	1380	3052	33
BNTL															
BNTR	2005	5	48	39	17	56	35	22	M6x10	14	20	3.175	1551	3875	39
BNTL															
BNTR	2505	5	60	45	20	56	40	22	M8x10	14	25	3.175	1724	4904	45
BNTL															
BNTR	2510	10	60	53	23	100	40	60	M8x8	20	23	4.762	2954	7295	51
BNTL															
BNTR	3210	10	86	67	29	100	60	60	M10x16	20	29	6.35	4805	12208	62
BNTL															

부하 회로수는 모두 동일하게 4열 * 1권입니다. 강성 : kgf/μm

STK(XSIR) 사양

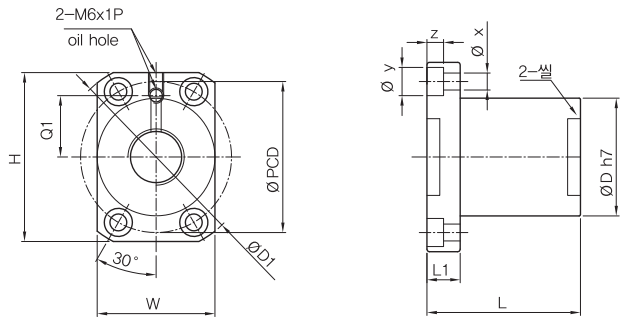


(단위 : mm)

품번		리드	ØD	ØD1	L	L1	W	PCD	Øx	회로수	볼경	동정격 하중(kgf)	정정격 하중(kgf)	강성
STKR (XSIR)	1605-20	5	34	54	43	10	40	44	4.5	3x1	3.175	780	1371	5
STKR (XSIR)	2005-15	5	40	60	43	10	46	50	4.5	3x1	3.175	795	1741	9
STKR (XSIR)	2505-21	5	43	67	44	10	50	55	5.5	3x1	3.175	885	2203	14
STKR (XSIR)	2510-02	10	60	96	102	15	72	78	9	6x1	4.762	2750	6556	13

강성 : kgf/μm

XSSR/XSNHR 사양

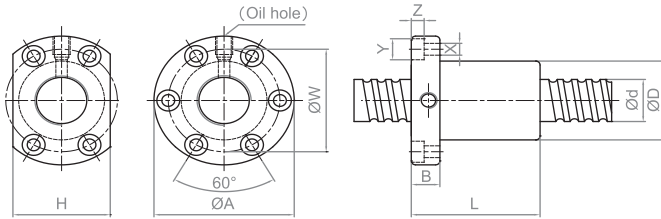


(단위 : mm)

품번	리드	ØD	ØD1	L	L1	W	H	PCD	Øx	Øy	z	Q1	회로수	볼경	동정격 하중(kgf)	정정격 하중(kgf)	강성
XSNHR 1205-06	5	30	50	40	10	32	45	40	4.5	8	5.5	16	1.8×1	2.5	1814	4650	19
XSNHR 1210-08	10	30	50	45	10	32	45	40	4.5	8	5	16	2.8×1	2.5	422	711	19
XSNHR 1605-04	5	34	58	37	12	34	50	45	6	9.5	6.5	18	3.8×1	2.778	730	1501	30
XSNHR 1610-03	10	34	57	45	12	34	50	45	6	9.5	6	18	2.8×1	2.778	551	1090	23
XSNHR 1620-03	20	34	58	58	12	34	50	45	6	9.5	6	18	1.8×1	2.778	554	1170	14
XSNHR 2010-03	10	46	74	55	13	46	66	59	6.6	11	6.5	24	3.8×1	3.175	1516	3833	40
XSNHR 2020-03	20	46	74	54	13	46	66	59	6.6	11	6.5	24	1.8×1	3.175	764	1758	19

강성 : kgf/μm

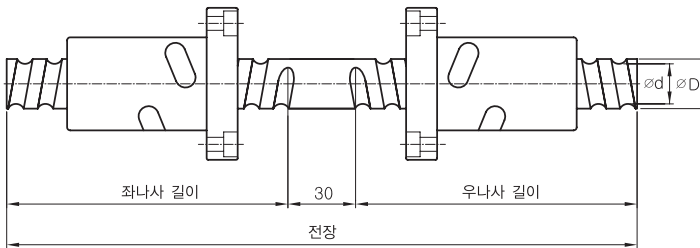
SFIX 사양



단위: (mm)

품 번	d	리드	볼경	D	A	B	L	W	H	X	Y	Z	Q	회로수	동정격 하중(kgf)	정정격 하중(kgf)	강 성 (kgf/μm)
SFIX01605-4	16	5	3.175	30	49	10	45	39	34	4.5	8	4.5	M6	1x4	1380	3052	33
SFIX01610-3	10	10	3.175	34	58	10	57	45	34	5.5	9.5	5.5	M6	1x3	1103	2401	27
SFIX02005-4	20	5	3.175	34	57	11	51	45	40	5.5	9.5	5.5	M6	1x4	1551	3875	39
SFIX02505-4	25	5	3.175	40	63	11	51	51	46	5.5	9.5	5.5	M8	1x4	1724	4904	45
SFIX02510-4	10	10	4.762	46	72	12	80	58	52	6.5	11	6.5	M6	1x4	2954	7295	51
SFIX03205-4	32	5	3.175	46	72	12	52	58	52	6.5	11	6.5	M8	1x4	1922	6343	52
SFIX03210-4	10	10	6.35	54	88	15	85	70	62	9	14	8.5	M8	1x4	4805	12208	62

좌우연삭 볼 나사축



단위: (mm)

축 형번	볼경	곡경	나사축 외경	리드	Total length 전체길이	R length 오른나사 길이	L length 왼나사 길이
		d	D		T	R	L
RL 1605	3.175	13.9	16	5	530	250	250
					730	350	350
					930	450	450
					1130	550	550
RL 1610	3.175	13.9	16	10	730	350	350
					930	450	450
					1130	550	550
					1330	650	650
RL 2005	3.175	17.9	20	5	530	250	250
					730	350	350
					930	450	450
					1130	550	550
RL 2505	3.175	22.9	25	5	1630	800	800
					730	350	350
					930	450	450
					1130	550	550
RL 2510	6.35	20.8	25	10	1630	800	800
					930	450	450
RL03205	3.175	29.9	32	5	1130	550	550
					1330	650	650
					1530	850	850
					1730	1050	1050
RL 3210	6.35	27.9	32	10	1130	550	550
					1630	800	800

