

BLOCK CORE PINS

—STRAIGHT TYPE / FLANGE TYPE—

R-CHAMFERED BLOCK CORE PINS

—STRAIGHT TYPE / FLANGE TYPE—

Ⓜ Non JIS material definition is listed on P.1351 - 1352

RoHS

—STRAIGHT TYPE— SPHD · BCSS □

—FLANGE TYPE— BCS □

Part Number		M	H
SPHD	BCSX	SKH51	61~64HRC
BCSSX	BCSX	STAVAX ESR®	27~35HRC
BCSSR	BCSR	RIGOR®	53~55HRC
BCSSV	BCSV	ORVAR®	47~49HRC
BCSSA	BCSA	SUPREME	51~53HRC
BCSSN	BCSN	NAK80	37~43HRC
BCSSD	BCSD	DH2F	38~42HRC

Ⓜ P · W tolerance ± 0.005

Ⓜ STAVAX ESR®, ORVAR® SUPREME and RIGOR® are registered trademarks of UDDEHOLM TOOL CO.

Straight type					Flange type					
Part Number	Type	0.01mm increments			Part Number	Type	0.01mm increments			H
		L	P	W			L	P	W	
SPHD (SKH51)		10.00 *70.00 (100.00)	1.00~1.99	1.00~10.00	BCSH (SKH51)		10.00 *70.00 (100.00)	1.00~1.99	1.00~10.00	4
BCSSX (STAVAX ESR®)			2.00~10.00	1.00~20.00	BCSX (STAVAX ESR®)			2.00~10.00	1.00~20.00	
BCSSR (RIGOR®)			2.00~10.00	1.00~20.00	BCSR (RIGOR®)			2.00~10.00	1.00~20.00	
BCSSV (ORVAR® SUPREME)			10.01~20.00	2.00~20.00	BCSV (ORVAR® SUPREME)			10.01~20.00	2.00~20.00	
BCSSA (NAK80)			10.01~20.00	2.00~20.00	BCSA (NAK80)			10.01~20.00	2.00~20.00	
BCSSN (DH2F)					BCSN (DH2F)					
BCSSD (DH2F)					BCSD (DH2F)					

*P < 2.00 → L ≤ 50.00 W < 2.00 → L ≤ 50.00
BCSSR: W ≤ 3.49 → L ≤ 50.00
SPHD · BCSSN (L70.01~100.00), BCSSX → P · W ≥ 5.01
BCSSD → P · W ≥ 2.00

Ⓜ The figures in parentheses () for L dimensions are applicable for SPHD · BCSSX · BCSSN only.

*P < 2.00 → L ≤ 50.00 W < 2.00 → L ≤ 50.00
BCSR: W ≤ 3.49 → L ≤ 50.00
BCSH · BCSSN (L70.01~100.00), BCSSX → P · W ≥ 5.01
BCSD → P · W ≥ 2.00

Ⓜ The figures in parentheses () for L dimensions are applicable for BCSH · BCSX · BCSSN only.

Order **Part Number** — **L** — **P** — **W** — **H (BCS only)**
BCSR — 20.00 — P3.20 — W3.00 — H6

Price **Quotation**

Days to Ship **Quotation**

Alterations **Part Number** — **L** — **P** — **W** — **R** — **H(HC)** — **(TC)**
BCSR — 20.00 — P3.20 — W3.00 — R — HC5 — TC0.5

Alterations	Code	Spec.	1Code
	TC	Changes the flange width (0.3 ≤ TC ≤ 3.0) BCSX only (0.3 ≤ TC ≤ 1.0) TC = 0.1mm increments Ⓜ L10.00 30.00 → 0.3 ≤ TC ≤ 1.5 L30.01~50.00 → 0.3 ≤ TC ≤ 2.5 L50.01~70.00 → 0.3 ≤ TC ≤ 3.0	Quotation
	HC	Changes the flange thickness HC = 0.1mm increments Ⓜ 2 ≤ HC < H Ⓜ Dimension L remains unchanged.	Quotation

Precision Standard		Material	
Precision Standard	SKH51 equivalent	Others	
Warpage	a ≤ 0.01	P · W < 2 → a ≤ 0.05 P · W ≥ 2 → a ≤ 0.01	
Squareness	b ≤ 0.01		
Parallelism		P · W ≤ 10 → C ≤ 0.005 P · W > 10 → C ≤ 0.01	

RoHS

Shape	M	Part Number			
		One place of R	Two places of R	Three places of R	Four places of R
Straight	SKH51 (61~64HRC)	SPHD-1AR	SPHD-2AR SPHD-2BR SPHD-2CR	SPHD-3AR	SPHD-4R
	NAK80 (37~43HRC)	BCSSN-1AR	BCSSN-2AR BCSSN-2BR BCSSN-2CR	BCSSN-3AR	BCSSN-4R
With flange	SKH51 (61~64HRC)	BCSH-1AR BCSH-1BR	BCSH-2AR BCSH-2BR BCSH-2CR	BCSH-3AR BCSH-3BR	BCSH-4R
	NAK80 (37~43HRC)	BCSN-1AR BCSN-1BR	BCSN-2AR BCSN-2BR BCSN-2CR	BCSN-3AR BCSN-3BR	BCSN-4R

—Straight type—
SPHD — □□□
BCSSN — □□□

—Flange type—
BCSH — □□□
BCSN — □□□

No. of R machining	Shape	R position			
		① Upper left	② Upper right	③ Lower left	④ Lower right
One place	1AR	①	—	—	—
Two places	1BR	①	②	—	—
	2AR	①	②	③	—
Three places	2BR	①	②	③	④
	3AR	①	②	③	④
Four places	3BR	①	②	③	④
	4R	①	②	③	④

Ⓜ Side of flange has R-groove since R-chamfering is processed to overall length.

Straight type					Flange type										
Part Number	Type	Shape	0.01mm increments			R	Part Number	Type	Shape	0.01mm increments			R	H	
			L	P	W				L	P	W				
SPHD (SKH51)		1AR	10.00~ *70.00	1.00~1.99	1.00~10.00	0.1	BCSH (SKH51)		1AR	10.00~ *70.00	1.00~1.99	1.00~10.00	0.1	4	
		2AR		2.00~10.00	1.00~20.00		0.15				2AR	2.00~10.00			1.00~20.00
		2BR		10.01~20.00	2.00~20.00		0.2				2BR	10.01~20.00		2.00~20.00	0.2
BCSSN (NAK80)		2CR					BCSN (NAK80)		2CR				6		
		3AR							3AR						
		4R							4R						

*P < 2.00 → L ≤ 50.00 W < 2.00 → L ≤ 50.00

Order **Part Number** — **L** — **P** — **W** — **R** — **H (BCSH/BCSN)**
BCSH-1AR — 20.00 — P3.20 — W3.00 — R0.2 — H6

Days to Ship **Quotation** Price **Quotation** Alterations **Left page**