

INCLINED PINS • DIRECT PUSH-UP PINS③

— ONE SIDE MALE THREAD • THE OTHER FEMALE THREAD TYPE —

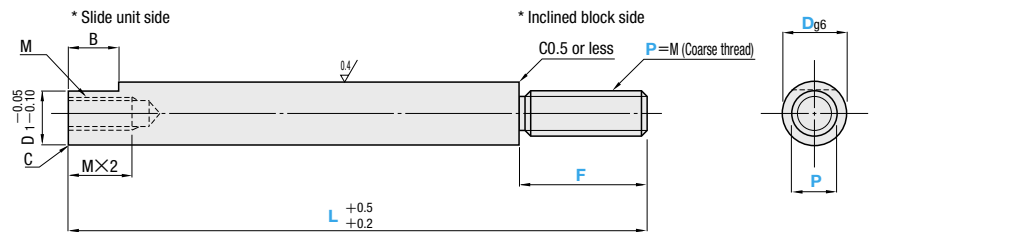
Ⓜ Non JIS material definition is listed on P.1351 - 1352

RoHS



One side male thread • the other side female thread type

K-KSPSE (Applicable to standard SCZN • SCZA)
KSPSE (For SCY)

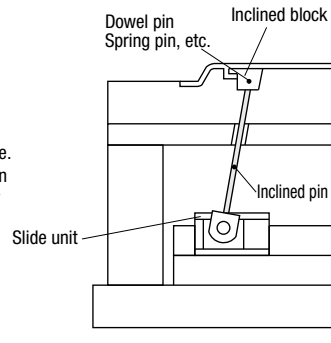


M SUJ2
H 58HRC~
S Induction hardening (depth : 0.5mm or more)



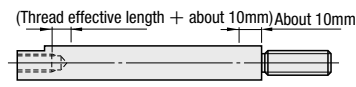
Example

- When connecting the inclined pin and inclined block, use a dowel pin, etc. to fix them after preparing a common hole.
- The inclined pin's full length (L) is set in the positive range of tolerance in order to accommodate for fine adjustment.



< About shaft end processing >

- Induction hardening is not applied since machining of shaft ends and key flats are performed after annealing.



- * The area (D dimension wise) within 10mm or so from the machined section may have a lower hardness due to annealing.

Dimension contrast table

Corresponding oil-free slide units	Standard type (SCZN • SCZA)			SCY						
	K-KSPSA (P.669) K-KSPSB (P.669)	K-KSPSC (P.671) K-KSPSD (P.671)	K-KSPSE	KSPSA (P.669) KSPSB (P.669)		KSPSC (P.671)		KSPSE		
Part Number	D	M	B	M	M	B	M	B	M	
8	—	—	—	—	—	—	M 4	10	M 4	M4
10	—	—	—	—	—	—	M 5	10	M 5	M5
12	M 5	13	M 5	M 5	M 5	13	M 6	10	M 6	—
16	M 8	14	M 6	M 8	M 8	14	M 8	13	M 8	—
20	—	16	M 8	—	—	16	M10	16	M10	—
25	M10	18	M10	M10	—	18	M12	19	M12	—
30	—	20	M10	—	—	20	M12	19	M12	—

• Note that inclined pins of D8 and D10 corresponding to the standard are not on sale.

K-KSPSE One side male thread • the other side female thread type (Applications : slide units standard SCZN P.659 • SCZA P.661)

D1	B	M	Dg6	Part Number			Selection	U/Price 1~9							
				Type	D	L		F	P	L100~200	201~300	301~400	401~500	501~600	601~800
11	13	M 5	12	K-KSPSE	12	100~800	P ≤ F ≤ P × 3 (L - B - F ≥ 10)	6	8	10					
15	14	M 8	16		16			8	10	12					
18	16	M10	20	20	20	10	12	16							
22	18		25	25	25	12	16	20							
27.5	20		30	30	30	16	20	24							

Quotation

KSPSE One side male thread • the other side female thread type (Applications : slide units for SCY P.665)

D1	B	M	Dg6	Part Number			Selection	U/Price 1~9							
				Type	D	L		F	P	L100~200	201~300	301~400	401~500	501~600	601~800
7.5	10	M4	8	KSPSE	8	100~600	P ≤ F ≤ P × 3 (L - B - F ≥ 10)	4	5	6					
8.5	10	M5	10		10			100~800	5	6	8				

Quotation



Order

SCZN • SCZA Applications
For SCY

Part Number	L	F	P
K-KSPSE12	500	F25	P8
KSPSE8	300	F20	P5



Days to Ship

Quotation



Price

Quotation



Alterations

Part Number	L	F	P(PMC)	(SC • SCW...etc.)
K-KSPSE20	300	F30	P17	SC-B16-H18

Alterations	Code	Spec.	1Code																
	SC	Flat edge cutting (1 plane) Chamfering dimension can be changed. B=1mm increments, H=1mm increments Ⓜ Not available for D8 • 10 Ⓜ 10 ≤ B ≤ 50 L-B-F ≥ 10 [Designation method] SC-B16-H17 <table border="1"> <tr> <td>D</td> <td>H</td> <td>D</td> <td>H</td> </tr> <tr> <td>12</td> <td>10 ≤ H ≤ 11</td> <td>20</td> <td>17 ≤ H ≤ 19</td> </tr> <tr> <td>16</td> <td>13 ≤ H ≤ 15</td> <td>25</td> <td>22 ≤ H ≤ 24</td> </tr> <tr> <td></td> <td></td> <td>30</td> <td>25 ≤ H ≤ 29</td> </tr> </table>	D	H	D	H	12	10 ≤ H ≤ 11	20	17 ≤ H ≤ 19	16	13 ≤ H ≤ 15	25	22 ≤ H ≤ 24			30	25 ≤ H ≤ 29	
D	H	D	H																
12	10 ≤ H ≤ 11	20	17 ≤ H ≤ 19																
16	13 ≤ H ≤ 15	25	22 ≤ H ≤ 24																
		30	25 ≤ H ≤ 29																
	SCW	Flat edge cutting (2 planes) B=1mm increments, K=1mm increments Ⓜ Not available for D8 • 10 Ⓜ 10 ≤ B ≤ 50 L-B-F ≥ 10 [Designation method] SCW-B16-K17 <table border="1"> <tr> <td>D</td> <td>K</td> <td>D</td> <td>K</td> </tr> <tr> <td>12</td> <td>8 ≤ K ≤ 10</td> <td>20</td> <td>14 ≤ K ≤ 18</td> </tr> <tr> <td>16</td> <td>10 ≤ K ≤ 14</td> <td>25</td> <td>19 ≤ K ≤ 24</td> </tr> <tr> <td></td> <td></td> <td>30</td> <td>20 ≤ K ≤ 29</td> </tr> </table>	D	K	D	K	12	8 ≤ K ≤ 10	20	14 ≤ K ≤ 18	16	10 ≤ K ≤ 14	25	19 ≤ K ≤ 24			30	20 ≤ K ≤ 29	Quotation
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12	8 ≤ K ≤ 10	20	14 ≤ K ≤ 18																
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	SCM	Inclined pin holder alteration available for small loose core unit by changing dimensions of tap hole and edge cutting. Ⓜ Available for D dimensions of KSPSE, K-KSPSE at 8, 10, 12. Ⓜ Combination with SC and SCW not available. [Designation method] SCM <table border="1"> <tr> <td>D</td> <td>M</td> <td>B</td> <td>H</td> </tr> <tr> <td>8</td> <td>M5</td> <td>15</td> <td>7.5</td> </tr> <tr> <td>10</td> <td>M6</td> <td>17</td> <td>9.5</td> </tr> <tr> <td>12</td> <td>M8</td> <td>17</td> <td>11</td> </tr> </table>	D	M	B	H	8	M5	15	7.5	10	M6	17	9.5	12	M8	17	11	
D	M	B	H																
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	BHX	Not available for single flat edge cutting.																	

Alterations	Code	Spec.	1Code																																								
	SSC	Adds a wrench flat. [Designation method] SSC5 Ⓜ SSC=1mm increments Ⓜ SSC+ℓ1+B<L-F SSC=0 or SSC ≥ 1 Adds two wrench flats. [Designation method] WSC12-X8 Ⓜ WSC, X=1mm increments Ⓜ WSC+X+ℓ1; X2+B<L-F WSC=0 or WSC ≤ 1 X=0 or X ≥ 1 Ⓜ Positioning of the two wrench flats is not on the same plane. <table border="1"> <tr> <td>D</td> <td>W</td> <td>ℓ1</td> </tr> <tr> <td>8</td> <td>7</td> <td></td> </tr> <tr> <td>10</td> <td>8</td> <td>8</td> </tr> <tr> <td>12</td> <td>10</td> <td></td> </tr> <tr> <td>16</td> <td>14</td> <td>10</td> </tr> <tr> <td>20</td> <td>17</td> <td></td> </tr> <tr> <td>25</td> <td>22</td> <td></td> </tr> <tr> <td>30</td> <td>27</td> <td>15</td> </tr> </table>	D	W	ℓ1	8	7		10	8	8	12	10		16	14	10	20	17		25	22		30	27	15																	
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	WSC	Ⓜ The area (D dimension wise) within 10mm or so from the machined section of the wrench flat may have a lower hardness due to annealing. Ⓜ The positional relation of the chamfered shaft end is arbitrary.	Quotation																																								
	PMC	Changes The male thread to fine thread in the table below. [Designation method] PMC17 <table border="1"> <tr> <td>D</td> <td colspan="3">PMC</td> </tr> <tr> <td>8</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>10</td> <td>5</td> <td>6</td> <td>8</td> </tr> <tr> <td>12</td> <td>6</td> <td>8</td> <td>10</td> </tr> <tr> <td>16</td> <td>8</td> <td>10</td> <td>12</td> </tr> <tr> <td>20</td> <td>10</td> <td>12</td> <td>15</td> </tr> <tr> <td>25</td> <td>12</td> <td>15</td> <td>17</td> </tr> <tr> <td>30</td> <td>15</td> <td>17</td> <td>20</td> </tr> <tr> <td>Pitch</td> <td>0.5</td> <td>0.75</td> <td>1.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td>1.5</td> </tr> </table>	D	PMC			8	4	5	6	10	5	6	8	12	6	8	10	16	8	10	12	20	10	12	15	25	12	15	17	30	15	17	20	Pitch	0.5	0.75	1.0				1.5	
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Slide Cores
Loose Cores