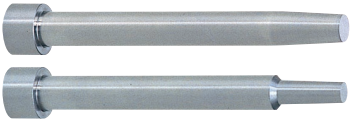


Dies Steel
SKD61 equivalent
+
Nitrided

DIE CAST CORE PINS

—SHAFT DIAMETER (P) DESIGNATION TYPE—

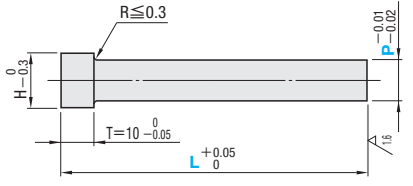
Ⓜ Non JIS material definition is listed on P.1359 - 1360



RoHS

Part Number	M	S	H
DSPB		—	48±2HRC
DSB□	SKD61 equivalent (DAC)	—	
DPB		Nitrided	Surface 900HV~ Base metal 48±2HRC
DPDB□			

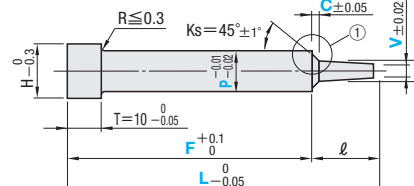
DSPB
DPB (Nitrided)



$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $L = 0$
 $P = 0$
 $V = 0.01$
 $A = 0.02$
 $\ell \geq 1.0$

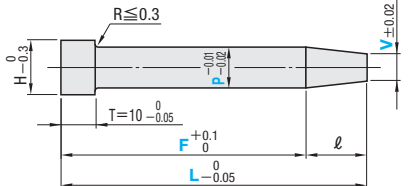
DSBD
DPDBD (Nitrided)

Select DSBC - DPDBC, when $C = \frac{P-A}{2}$



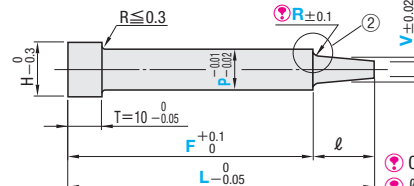
$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0.02$
 $A = 0.02$
 $C = \pm 0.05$
 $K_s = 45^\circ \pm 1'$
 $\ell \geq C + 1.0$
 $\ell \geq R + 1.0$

DSBA
DPDBA (Nitrided)



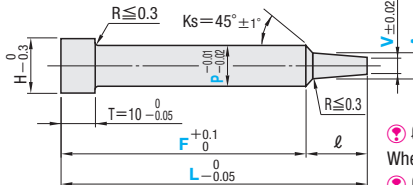
$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0.02$
 $\ell \geq 1.0$

DSBE
DPDBE (Nitrided)



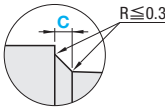
$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0.02$
 $A = 0.02$
 $R \leq 0.1$
 $\ell \geq R + 1.0$

DSBC
DPDBC (Nitrided)

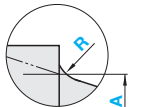


$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0.02$
 $A = 0.02$
 $K_s = 45^\circ \pm 1'$
 $\ell \geq \frac{P-A}{2} + 1.0$
When AC code is used
 $\ell \geq \frac{P-A}{2 \tan AC} + 1.0$

Details of part ①



Details of part ②



H	Part Number		0.01mm increments					0.1mm increments	ℓmax.
	Type	No.	L	P	F	A	Vmin.	C · R	
8	(No Nitrided)	4	30.00 ~ 200.00	3.50 ~ 3.99	F ≥ 10.00	P > A ≥ V	1.00	0.1 ≤ C ≤ 1.5 and C < $\frac{P-A}{2}$ (DSBD DPDBD) R ≥ 0.3 and R ≤ $\frac{P-A}{2}$ (DSBE DPDBE)	45.00
9	DSPB	5		4.00 ~ 4.99			1.50		
10	DSBA DSBC	6		5.00 ~ 5.99			2.00		
13	DSBD DSBE	8		6.00 ~ 7.99			2.00		
15		10		8.00 ~ 9.99			2.50		
17	(Nitrided)	12		10.00 ~ 11.99					
19	DPDBA DPDBC	14		12.00 ~ 13.99					
21	DPDBD DPDBE	16		14.00 ~ 15.99					
23		18	16.00 ~ 17.99						

Ⓜ Designation of R is available for DSBE, DPDBE only. Ⓜ When L dimension is 100 or more, the head area is annealed.

Order Part Number — L — P — F — A — V — C · R
DPDBC6 — 50.00 — P5.70 — F40.00 — A5.00 — V3.00

Days to Ship

- DSPB: 3 Days
- DSB□: 3 Days
- DPB · DPDB□: 3 Days

Ⓜ Delivery days depend on subsidiary. Ⓜ P.45

Express T Express A Ⓜ P.46




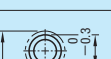
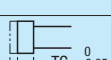
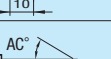
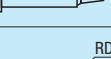
Express A Ⓜ P.46

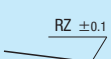
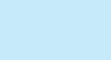
Price Quantity discount rate Ⓜ P.45

Quantity	Rate
1~4	—
5~12	5%
13~19	10%
20~50	15%

Ⓜ To be quoted on price & lead time above Max. Q'ty.

Alterations Part Number — L — P — F — A — V — C · R — (KC · WKC...etc.)
DPDBC6 — 50.00 — P5.70 — F40.00 — A5.00 — V3.00 — TC5.0

Alterations	Code	Spec.	1Code
	KC	Single flat cutting KC=0.1mm increments KC=P/2 → 0.005mm increments possible Ⓜ P/2 ≤ KC < H/2	
	WKC	Two flats cutting WKC=0.1mm increments WKC=P/2 → 0.005mm increments possible Ⓜ P/2 ≤ WKC < H/2	
	RKC	Two flats (right angled) cutting RKC=0.1mm increments RKC=P/2 → 0.005mm increments possible Ⓜ P/2 ≤ RKC < H/2	
	HC	Head diameter change HC=0.1mm increments Ⓜ P ≤ HC < H Ⓜ In relation to the head diameter tolerance, alteration may create a straight piece with little difference between the head and shaft in diameter.	Quotation
	TC	Head thickness change TC=0.1mm increments Ⓜ 4.0 ≤ TC < 10, 10 - TC ≤ L max. — L (Dimensions L and F remain unchanged)	
	AC	Changes the standard angle (Ks=45°). AC=1° increments Ⓜ 30 ≤ AC ≤ 60 Ⓜ Available for DSBC, DPDBC, DSBD, DPDBD only Working limits for DSBD, DPDBD A + 2(C × tan AC) < P	
	RD	Changes general R0.3 or less to R0.8~1.0. Ⓜ Available for DSBC, DPDBC, DSBD, DPDBD only P-A ≥ 2.0 C ≥ 1.0 for DSBD, DPDBD Ⓜ Combination with AC code not available	

Alterations	Code	Spec.	1Code
	RZ	Tip R processing RZ=0.1mm increments *V is a dimension prior to R processing. Ⓜ 0.3 ≤ RZ < $\frac{V}{2}$ Ⓜ Not available for DSPB, DPB	
	BZ	Tip spherical (SR) processing. *V is a dimension prior to SR processing. Ⓜ BZ=SR= $\frac{V}{2}$ Ⓜ Not available for DSPB, DPB Ⓜ It will be L-0.1	Quotation

Ⓜ Key flat cutting (KC, WKC, RKC) tolerance is $-\frac{0.1}{2}$
When P/2 is designated to align to the shaft diameter, 0.005mm increments is possible, but tolerance $-\frac{0.1}{2}$ remains unchanged.

Die Cast Parts