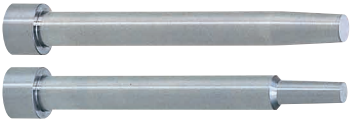


Dies Steel
SKD61 equivalent
+
Nitrided

DIE CAST CORE PINS

—SHAFT DIAMETER (P) DESIGNATION TYPE—

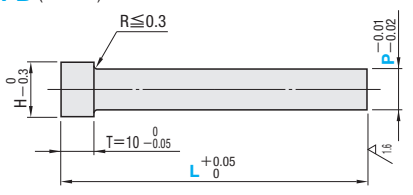
Ⓜ Non JIS material definition is listed on P.1351 - 1352



RoHS

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

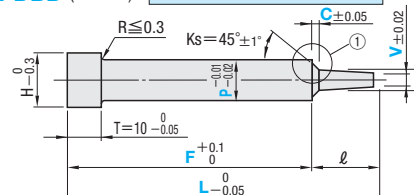
DSPB
DPB (Nitrided)



$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $L = 0$
 $P = 0$
 $V = 0$
 $A = 0$
 $C = 0$
 $R = 0$

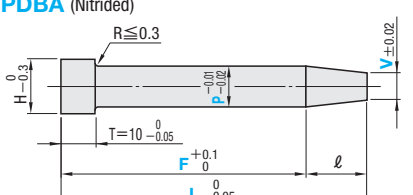
DSBD
DPDBD (Nitrided)

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



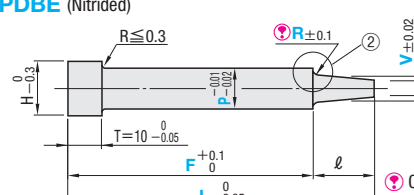
$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0$
 $A = 0$
 $C = 0$
 $R = 0$
 $K_s = 45^\circ \pm 1'$
 $\phi C \pm 0.05$
 $V \pm 0.02$
 $A \pm 0.02$
 $\phi C < \frac{P-A}{2}$
 $\phi 0.1 \leq C \leq 1.5$
 $\phi \ell \geq C + 1.0$

DSBA
DPDBA (Nitrided)



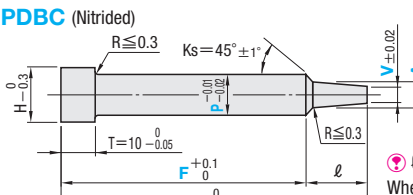
$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0$
 $A = 0$
 $\phi \ell \geq 1.0$

DSBE
DPDBE (Nitrided)



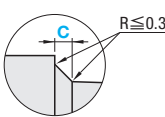
$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0$
 $A = 0$
 $\phi R \pm 0.1$
 $\phi 0.3 \leq R \leq \frac{P-A}{2}$
 $\phi \ell \geq R + 1.0$

DSBC
DPDBC (Nitrided)

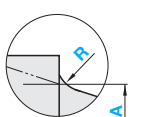


$R \leq 0.3$
 $H = 0$
 $T = 10 \begin{smallmatrix} 0 \\ -0.05 \end{smallmatrix}$
 $F = 0$
 $L = 0$
 $P = 0$
 $V = 0$
 $A = 0$
 $\phi \ell \geq \frac{P-A}{2} + 1.0$
When AC code is used
 $\phi \ell \geq \frac{P-A}{2 \tan AC} + 1.0$

Details of part ①



Details of part ②






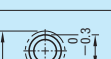
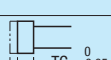
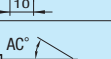
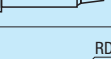
P Price

Quotation

Alterations

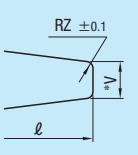
Part Number — L — P — F — A — V — C · R — (KC · WKC...etc.)

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 $A + 2(C \times \tan AC) < P$	
	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

RZ



$RZ \pm 0.1$
 ℓ
 V

Code

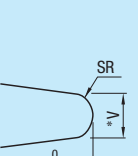
Spec.

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

Part Number	RZ · BZ max.
DSBA, DPDBA	$\ell - 1.0$
DSBC, DPDBC	$\ell - (1.0 + \frac{P-A}{2})$ * When AC code is used $\ell - (1.0 + \frac{P-A}{2 \tan AC})$
DSBD, DPDBD	$\ell - (1.0 + C)$
DSBE, DPDBE	$\ell - (1.0 + R)$

Alterations

BZ



ϕSR
 $L = 0$
 ϕV

Code

Spec.

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 $L = 0$

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

H	Part Number		0.01mm increments				0.1mm increments	ℓmax.
	Type	No.	L	P	F	A	Vmin.	
8	(No Nitrided)	4	30.00 } 200.00	3.50~ 3.99	F ≥ 10.00	P > A ≥ V	1.00	45.00
9	DSPB	5		4.00~ 4.99			1.50	
10	DSBA DSBC	6		5.00~ 5.99			C < $\frac{P-A}{2}$ (DSBD DPDBD)	
13	DSBD DSBE	8		6.00~ 7.99				
15		10		8.00~ 9.99			R ≥ 0.3 and R ≤ $\frac{P-A}{2}$ (DSBE DPDBE)	
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

Quotation

Die Cast Parts