


BUSHINGS FOR RUNNER LOCK PIN

RUNNER EJECTOR SETS

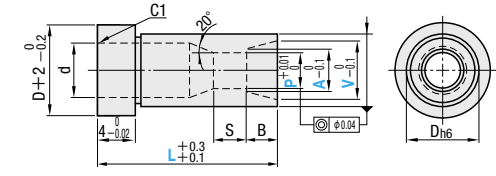
Ⓜ Non JIS material definition is listed on P.1351 - 1352

RoHS

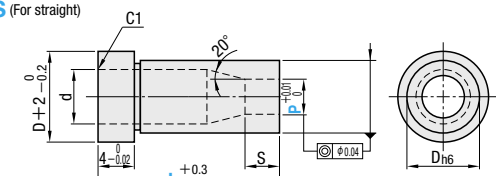


SKD11
60~63HRC

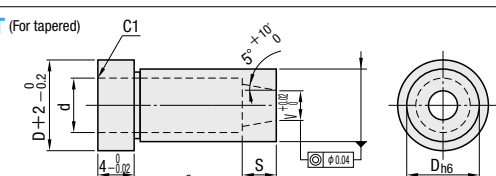
RLBST (For straight, no tapering required)



RLBS (For straight)



RLBT (For tapered)



Applicable Runner Lock Pins

Part Number		
RLR	RLRSB	P.803
RLRL	RLRSBF	
RLRB		
RLRG	RLREB	P.804
RLRBF	RLREBF	
RLRGF		
RLH	RLKL	P.805
RLHL	RLKB	
RLHB	RLKG	
RLHG	RLKBF	
RLHBF	RLKGF	
RLHGF		

Applicable Runner Lock Pins

Part Number		
RLTB	RHTB	P.802
RLTG	RHTG	
RLTBF	RHTBF	
RLTGF	RHTGF	

Applicable Screw Plugs	D	d	S	B	Part Number		L	0.5mm increments		U/Price 1~4
					Type	P		A	V	
MSWA10	5	2.5	6	2	RLBST	2	15 20 25	P < A ≤ V and A ≤ D - 1.5 A ≤ V ≤ D - 1.0		Quotation
						2.5	15 20 25			
						3	10 15 20 25			
MSWA12	8	4.5	2.5	3	RLBST	4	15 20 25			Quotation
						5	15 20 25 30			
MSWA16	10	6.5	8	4	RLBST	6	15 20 25 30			Quotation
MSWA18	13	8.5	4	8	RLBST	8	15 20 25 30			Quotation
MSWA20	15	10.5	5	10	RLBST	10	25 30			Quotation

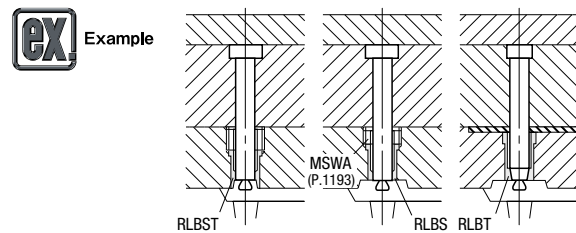
Ⓜ P dimension corresponds to the applicable runner pin's D dimension.

Applicable Screw Plugs	D	d	S	Part Number		L	U/Price 1~4
				Type	P		
MSWA10	6	3.5	6	RLBS	3	10 15	Quotation
MSWA12	8	4.5	5	4	10 15 25		
				5	10		
MSWA16	10	6.5	8	6	15 20 25 30		
MSWA18	13	8.5	4	8	25		

Ⓜ P dimension corresponds to the applicable runner pin's D dimension.

Applicable Screw Plugs	D	d	S	V	Part Number		L	U/Price 1~4
					Type	No.		
MSWA12	8	4.5	4	3.0	RLBT	4	15 20 25	Quotation
						5	10 15 20 25	
MSWA16	10	6.5	7	4.0	6	15 20 25	Quotation	

Ⓜ No. corresponds to the applicable runner pin's D dimension.



Characteristics of RLBST

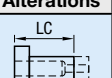
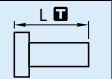
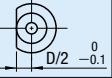
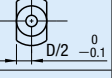
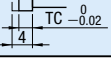
Since undercut part of the runner lock pin is processed not to project into runner, no tapering is necessary to the plate.

Order Part Number - L - A - V
RLBST8 - 20 - A9.0 - V11.0
RLBS 8 - 25

Days to Ship Quotation


Price Quotation

Alterations Part Number - L(LC) - A - V - (LKC · KC · etc.)
RLBST6 - LC22.3 - A7.0 - V9.0 - LKC

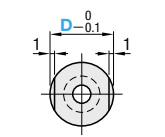
Alterations	Code	Spec.	1Code
	LC	Full length alteration Lmin. ≤ LC < L 0.1mm increments Ⓜ S becomes shorter by (L - LC). S ≥ 1 Ⓧ Not available for RLBT.	Quotation
	LKC	Changes L dimension tolerance L ± 0.3 → L ± 0.02 (L dimension designation in 0.01mm increments possible.) Ⓧ L < 16 not available. Ⓧ Not available for RLBT.	
	KC	Adds a single key flat on the head Ⓧ Not available when L < 16	
	WKC	Adds two parallel key flats on the head. Ⓧ Not available when L < 16	
	TC	Head thickness change 2.0 ≤ TC < 4 0.1mm increments Ⓜ L dimension becomes shorter by (4 - TC). When combined with LC, L dimension is equal to LC.	

RoHS

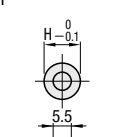
RES



① Housing



② Pin



① Housing
SCM435
33~38HRC

② Pin
SK95 (Old SK4)
53~58HRC

① Housing		② Pin		③ Spring						
D	M	d	E	H	P	B	L	Type/Dia. - Free length	Spring constant	
14	M14	9	10	26	8	6	10	35 40	WF 8-25 WFH8-25 WL 8-25 WLH8-25	WF=0.05 WFH=0.05 WL=0.1 WLH=0.1
							15	40 45 50 60		
16	M16	11	12	35	10	8	23	50 55 60 65 70	WF 8-30 WFH8-30 WL 8-30 WLH8-30	(Details) P.1224 P.1225 P.1231
							28	60 65 75 80		
							33	70 85		
18	M18	13	12	35	12	10	38	85		

Order Part Number - B - L - Spring
RES6 - 10 - 40 - WF

Housing only
Part Number
RESA14

Pin only
Part Number - B - L
RESB6 - 10 - 40

※ For details of springs (WF/WL/WFH/WLH), refer to P.1224, 1225, and 1231.

Part Number	Type	P	B	L	Spring	U/Price 1~4	
						Spring WF · WL	Spring WFH · WLH
RES	6	10	15	35 40	WF	Quotation	
				40 45 50 60	WFH		
①②	8	23	28	50 55 60 65 70	WFH	Quotation	
				60 65 75 80	WL		
③	10	33	38	70	85	Quotation	
				85	WLH		

① Housing only

P Application pin dia.	T	Part Number	U/Price 1~4
6	26	RESA 14	Quotation
8	35	RESA 16	
10	35	RESA 18	

② Pin only

Part Number	Type	P	B	L	U/Price 1~4
RESB	6	10	15	35 40	Quotation
				40 45 50 60	
8	23	28	50 55 60 65 70	60 65 75 80	Quotation
				70 85	
				85	
10	33	38	70	85	Quotation
				85	

※ Choices of the pin's P and B dimensions, as well as S (runner protrusion), W (runner stopper plate tapering depth) are provided in accordance with the thickness of runner stopper plates (T₂). Select the appropriate size from the table below.

Set Selections

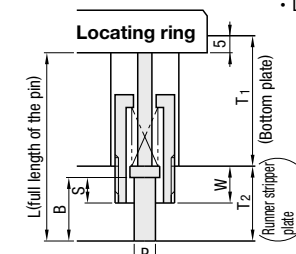
T ₁	Pin										Set		
	Set type: A					Set type: B					P	B	S
T ₂	25	30	35	40	45	20	25	30	35	40	6	10	5
	30	35	40	45	50	35	40	45	50	55	8	15	10
	35	40	45	50	55	45	50	55	60	65	8	23	10
	40	45	50	55	60	55	60	65	70	75	8	28	10
	45	50	55	60	65	65	70	75	80	85	10	33	10

Ⓜ Notes
 • When tapping a W deep hole, keep its bottom's incomplete thread 3mm or less.
 • Tighten the runner ejector set firmly using a spanner on the housing's notch. This forces the housing's flat bottom surface to be pressed hard on the tap hole bottom, and helps prevent the runner ejector set from loosening.

Days to Ship Quotation

Price Quotation

Example Set type: A
Held down with a locating ring
• Make a 5mm slot on the bottom plate and set the locating ring in it.
• L = T₁ + T₂ - 5



Set type: B
Held down with the molding machine's die plate
• Set the runner ejector set not to interfere with the die plate holes.
• L = T₁ + T₂

