SPRUE BUSHINGS STRING ELIMINATOR TYPE

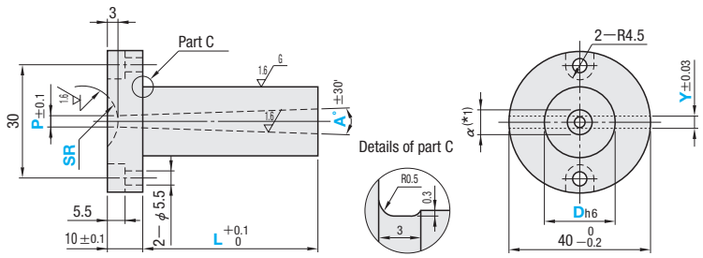
—NORMAL BOLT TYPE • FLANGE THICKNESS 10mm • BOARD THICKNESS (Y) SELECTION TYPE—

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

Details of string eliminator (P.747)

—Straight type—

Part Number / String eliminator type	M	H
SBBJH	HPM1 equivalent	37～43HRC
SBBYH	SKD61	48～52HRC



RoHS

A CB5—12 (2 pcs.)

Dh6		Part Number Type	D	L(*2) 0.1mm increments	SR	P	A° 0.5° increments	Y
10	0 −0.009	—Straight type— String eliminator type (HPM1 equivalent) SBBJH (SKD61) SBBYH	10	0～120.0	0	2.5(*3)	0.5(*3)	0.5
					10.5	3(*3)		
13	0 −0.011		13	0～150.0	11	3.5	≀	0.6
					12	4	4.0	
16			16		13	4.5		
					16			

(*1) The value of α is set in accordance with L dimension.
(*2) L dimension is restricted by P and A.

(*3) L dimension limits

P	2.5			3		3.5～4.5
A	0.5	1	1.5～4.0	0.5	1～1.5	0.5
L dimension limits	45	50	85	60	85	60

Working limits D− α ≧2

Conversion Chart of Trigonometric Functions P.1337

(Calculation of α value) α =P+2{L+(U)+7}tan A/2
U : with ZC alteration

Order

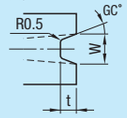
Part Number	L	SR	P	A	Y
SBBJH10	50.0	SR11	P3.5	A2	Y0.6

Days to Ship: Quotation

Price: Quotation

Alterations

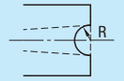
Part Number	L	SR	P	A	Y	(AIW・AXW…etc.)
SBBJH16	83.25	SR16	P2.5	A2	Y0.6	BXR3 — LKC

Alterations	Code	AIW	AHW	AXW	ATW	AJW	ALW	APW	Spec.
Shape A (Trapezoid)	Spec.	•	•	•	•	•	•	•	Designation method AIW10—GC7 +Bolt hole position
	1Code				Quotation				

⊗ Combination with ZC not available.
⊗ Combination with RC not available.
ATW, AJW, ALW and APW have working limits as follows.
when D=10, (α −0.6)≧W
when D≧13, (α −0.4)≧W
The trapezoidal taper angle, which was previously fixed at 10° , is now selectable from 10° and 7° .
Designation method AHW4—GC7 Specify in the sequence "(shape) (W dimension)—GC° ". If you do not make a specification, (AHW4, for example) will be 10° .

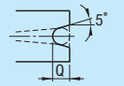
• W dimension and GC° selection

W	t	GC°
3	2.5	7°
4	3	
5	3.5	
6	4	10°
8	5.5	
10	7	

Alterations	Code	BIR	BHR	BXR	BTR	BJR	BLR	BPR	Spec.
Shape B (Semicircle)	Spec.	•	•	•	•	•	•	•	Designation method BXR2 +Bolt hole position
	1Code				Quotation				

⊗ Combination with ZC not available.
⊗ Combination with RC not available.
BTR, BJR, BLR and BPR have working limits as follows.
when D=10, (α −0.6)≧2×R
when D≧13, (α −0.4)≧2×R

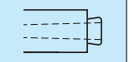
• R dimension selection: 1 / 1.25 / 1.5 / 1.75 / 2 / 2.25 / 2.5 / 3 / 3.5 / 4

Alterations	Code	CIQ	CHQ	CXQ	CTQ	CJQ	CLQ	CPQ	Spec.
Shape C (Arc+Tangent)	Spec.	•	•	•	•	•	•	•	Designation method CTQ5 +Bolt hole position
	1Code				Quotation				

⊗ Combination with ZC not available
⊗ Combination with RC not available.
CTQ, CJQ, CLQ and CPQ have working limits as follows.
when D=10, (α −0.6)≧Q×1.09
when D≧13, (α −0.4)≧Q×1.09

• Q dimension selection: 2 / 2.5 / 3 / 3.5 / 4 / 5 / 6 / 8

Alterations	Code	Spec.	1Code
	BC	Increases No. of bolt holes. No. of bolt holes : 2 ⋯ 4 (Supplied bolts : 4)	Quotation
	BN	Decreases No. of bolt holes. No. of bolt holes : 2 ⋯ 0 (Supplied bolts : 0) M Available for equivalent of material HPM1	
	LKC	L dimension tolerance alteration L +0.1 0 ⋯ L −0 0.02 L dimension can be designated at 0.01mm increments when LKC is used. ⊗ Combination with ZC not available.	

Alterations	Code	Spec.	1Code
	ZC	Undercut machining S, T, U=0.1mm increments S≧ α +2 α +2≦T≦D(V−2UtanG) 1.5≦U≦5 L max.≧L+U Designation method ZC—S3.5—T4.0—U2.0	Quotation
	RC	The step R is processed in the tip bore to prevent the connection between the sprue and the runner from breaking when releasing from the mold. Dimension selection of step R: 1 / 2. The step R is cut with an inner R cutter. Surface roughness and position precision are not provided. Available for α ≧5 D− α −(2×RC) 2 ⊗ Combination with shapes A, B and C not available. ⊗ Combination with ZC not available.	

■Feature

The thickness of the metal sheet of this product that is lightly press-fit for eliminating stringing can be selected. The metal sheet is thinner than that of a normal type product, and also the height direction is set on the short side.

■Expected effectiveness

Minimizes reduction of the injection pressure.
Reduction of frequency of occurrence of sticking of the sprue to the metal sheet

■Guide to the selection of metal sheet (for reference)

It is recommended that you select the sheet thickness taking into consideration the size of the molding machine, resin used, etc.
Y0.5 → 15t or 30t class molding machine
Y0.6 → Molding machine of 50t or greater class