
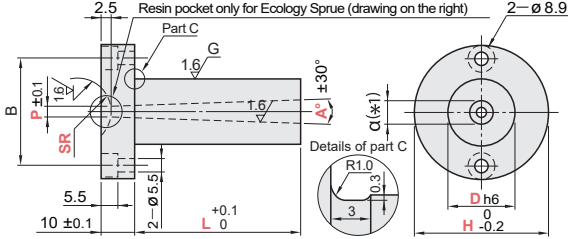



Straight Type



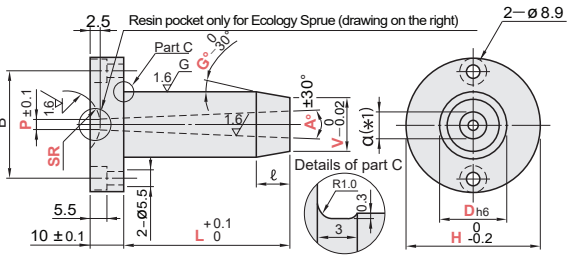
Type		M	H
Normal	String eliminator type		
SJAC	SJACH	S45C	—
SJAD	SJADH	SKD61	48-52HRC



Tapered Type



Type		M	H
Normal	String eliminator type		
SJGC	SJGCH	S45C	—
SJGD	SJGDH	SKD61	48-52HRC



H	B	D _{h6}	Type	D	L ^{(*)2} 0.5mm Increments	SR	P	A 0.5° Increments	V 0.1mm Increments	G 1° Increments
35	25	8	Straight Type SJAC SJAD SJACH SJADH	8 ^{(*)5}	0 ~ 80.0	0	2	1 ~ 3	D > V ≥ α + 2	1 ~ 10
		10.5				2.5				
		11				3				
		11				3.5				
50	36	10	Tapered Type SJGC SJGD SJGCH SJGDH	13	0 ~ 150.0	0	2 ^(*)3-4)	1 ~ 4 ^(*)3)	Available for tapered type only	Available for tapered type only
		10.5				2.5 ^(*)3)				
		11				3 ^(*)3)				
		12				4				
50	36	13	Tapered Type SJGC SJGD SJGCH SJGDH	20	0 ~ 200.0	0	4	1 ~ 4 ^(*)3)	Available for tapered type only	Available for tapered type only
		10.5				4				
		11				4.5				
		12				5				
50	36	16	Tapered Type SJGC SJGD SJGCH SJGDH	20	0 ~ 200.0	0	4	1 ~ 4 ^(*)3)	Available for tapered type only	Available for tapered type only
		10.5				4				
		11				4.5				
		12				5				

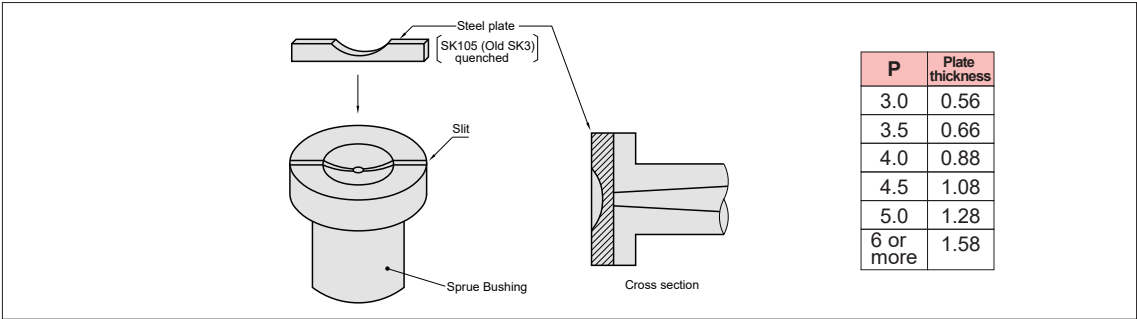
Order Example

TYPE	D	L	SR	P	A
SJAD	- D16	- L100	- SR11	- P3	- A2

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

P	2	2.5	3	3.5~4.5
A	1 1.5~4.0	1 1.5~4.0	1 1~1.5	1~1.5
L limits	50 85	50 85	50 85	150

(*4) Not available for product with string eliminator
 (*5) Available only for SJAD



Alterations	Code	AIW	AHW	AXW	ATW	AJW	ALW	APW	Spec.
Shape A (Trapezoid)	Spec.								Designation method AIW10°-10 +Bolt hole position W dimension and GC° selection •Dowel hole position (When NC, KP code is used) KC position ⓧ Combination with ZC not available ⚠ ATW-AJW-ALW and APW have working limits as follows ⓧ Combination with RC not available When D≤10, (α-0.6)≥W When D≥12, (α-0.4)≥W ⚠ Previously the trapezoidal taper angle was fixed at 10°, but it is possible to select a taper angle of either 10° or 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°

Alterations	Code	BIR	BHR	BXR	BTR	BJR	BLR	BPR	Spec.
Shape B (Semicircle)	Spec.								Designation method BXR2 • R dimension selection +Bolt hole position •Dowel hole position (When NC, KP code is used) ⓧ Combination with ZC not available ⚠ BTR-BJR-BLR and BPR have working limits as follows ⓧ Combination with RC not available When D≤10, (α-0.6)≥2×R / When D≥12, (α-0.4)≥2×R

Alterations	Code	CIQ	CHQ	CXQ	CTQ	CJQ	CLQ	CPQ	Spec.
Shape C (Arc-tangent)	Spec.								Designation method CTQ5 • Q dimension selection +Bolt hole position •Dowel hole position (When NC, KP code is used) ⓧ Combination with ZC not available ⚠ CTQ-CJQ-CLQ and CPQ have working limits as follows ⓧ Combination with RC not available When D≤10, (α-0.6)≥Q×1.09 / When D≥12, (α-0.4)≥Q×1.09

Alterations	Code	Spec.
	BC	Increases No. of bolt holes. No. of bolt holes: 2 → 4 ⓧ Combination with NC not available
	BN	Decreases No. of bolt holes. No. of bolt holes: 2 → 0 Ⓜ Available for S45C
	NC	Dowel hole boring ⓧ Not available for string eliminator type
	KP	Dowel hole boring (longitudinal) ⓧ Not available for string eliminator type ⓧ Combination with NC not available ⚠ Available for HPM1 equivalent only ⚠ The effective length of dowel hole is 10mm below underhead part (recessed hole Ø 6.5)
	KLC	L dimension tolerance alteration L ^{+0.1} ₀ → L ⁰ _{-0.02} ⚠ When LKC is used, L dimension alteration in 0.01mm increments possible ⓧ Combination with ZC not available
	GKC	Changes the G tolerance. G ^{-0.01} _{-0.03} → G ⁰ _{-0.15} ⚠ Available for tapered type when ℓ ≤ 15 and (L-ℓ) ≥ 10 ⓧ Combination with ZC not available

Alterations	Code	Spec.
	KC	Single flange cutting KC = 0.5mm increments D/2 ≤ KC < H/2 ⓧ Combination with BC not available ⓧ Not available for string eliminator type ⓧ Combination with NC · KP not available ⚠ Interference with the SR part may occur.
	WKC	Two parallel flange cutting WKC = 0.5mm increments D/2 ≤ WKC < H/2 ⓧ Combination with BC not available ⓧ Not available for string eliminator type ⓧ Combination with NC · KP not available ⚠ Interference with the SR part may occur.
	ZC	Undercut machining S, T, U = 0.1mm increments S ≥ α+2 α+2 ≤ T ≤ D (V-2UTanG) 1.5 ≤ U ≤ 5 Specification Lmax ≥ L+U Designation method ⓧ Not available for D8 ZC-S3.5-T4.0-U2.0
	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 outer. Surface roughness and position precision are not provided. ⚠ Available for α ≥ 5 ⚠ Straight type D - α - (2 × RC) > 2 ⚠ Tapered type V - α - (2 × RC) > 2 ⓧ Combination with shapes A · B · C not available ⓧ Combination with ZC not available