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

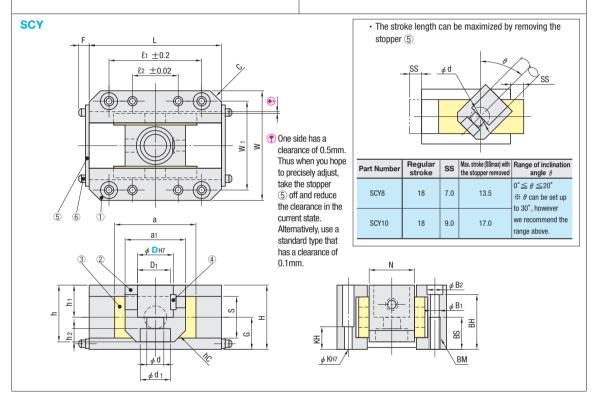


■ Features of Oil-free Slide Units for Loose Core

- Enables the inclined pin to slide smoothly when pushing out a loose core (including undercut) at an angle.
- The inclined pin guide slides within the range of θ , and the automatic center adjustment function reduces wear and scoring on the guide and slide plates.

	Item	Components	Parts Name	M	Piece
ı	1	Slide base	Slide Base	S55C	2
	2	Inclined pin holder	Inclined Pin Holder	SCM440	1
ı	3	Slide plate	Slide Plate	* CAC304+Solid lubricant	2
	4	Spring Pins & Dowel Pins	Set Pin	S45C	1
	(5)	Stopper	Stopper	SS400	2
	6	Stopper fixing screw	Set Screw for Stopper	SCM435	4

* High strength brass casting class 4 (Old JIS: HBsC4)



1) Slide base				② Inclined pin holder								③ Slide plate			C F	Part Number		II/Dries	
W	L	Н	С	D1	d	d1	h	h1	h2	а1	hC	N	S	а	G	_ F	Туре	D	U/Price
44	44	24	3	7.5	4.5	10	20	12	5	16	2.5	12	14	26	12	5	SCY	8	Quotation
50	50	28	3	8.5	5.5	11	24	14	6	20	3	14	16	32	14	5		10	

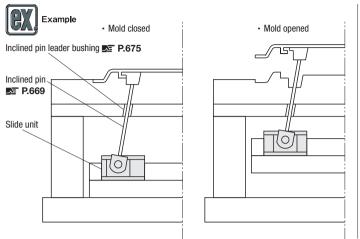
Part Number		Bolt hole dimensions									
Туре	D	ℓ 1	ℓ2	W1	B ₁	B ₂	вм	вн	BS	K	KH
SCY	8	30	12	35	4.3	8	M5	19.0	14	4	10
301	10	36	16	38	4.3	8	M5	23.0	14	4	10

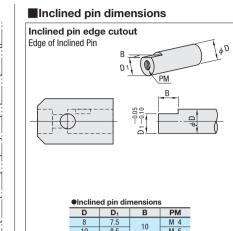


Part Number SCY8

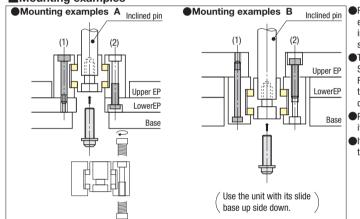








■Mounting examples



- •Refer to the above table for dimensions of the inclined pin's edge cutout and screw size (PM). The counterbore on the inclined pin holder is made in a size that accommodates for a socket head cap screw with a spring washer.
- ●The unit can be mounted on an ejector plate in two ways:(1) Screwing into the ejector plate, or (2) Screwing into the unit. For (2) use a socket head cap screw that corresponds to BM in the Bolt hole dimensions table. For (1) select a rank below the corresponding BM (i.e., M6 screw when BM is M8).
- Prior to mounting, apply * grease to the unit in order to protect it from wear during initial running-in.

Slide plate

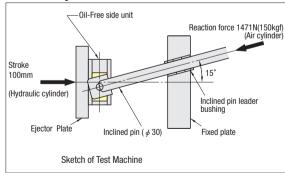
Slide base

40 Test Cycle

30

●If the stroke is long, it is recommended that you use a bushing that supports the inclined pin. ▶ P.675

■Durability test data



●Testing method and conditions

Tested Product : Oil-free Slide Guide Units for Loose Core Old Standard SCY30

Inclination angle: 15°

Reaction: 1471N(150kgf) (applied at the ejector plate start up and kept until the stroke reaches 10mm)

Stroke: Ejector plate stroke 100mm (Slide plate stroke 26.8mm)
Testing speed: 0.42S⁻¹{25cpm} (Slide plate's sliding speed 0.04m/s {2.5m/min})

Results of durability test

Durability Test Result

0.02

0.0

(mm)

- Repeated 500,000 times, the test results indicate excellent abrasion resistance with an average wear amount of 0.005mm on the slide base, 0.013mm on the slide plate.
- This is considered to be attributable to the slide unit's automatic center adjustment function that helped prevent uneven sliding, and the oil-free bearing's excellent scoring resistance.

Slide Cores

50×10⁵

665