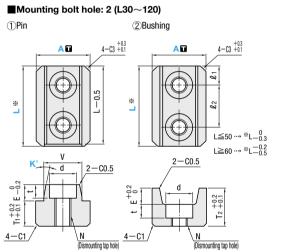
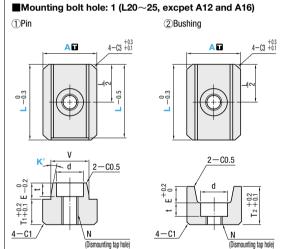
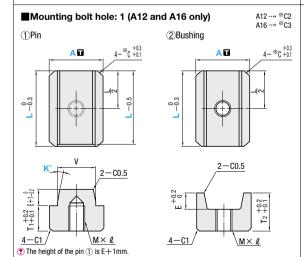


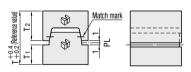
Group		Part Number		ΠA	V dim	nension symmetry	M	(1)	
Group	Set	Pin only	Bushing only	UA	aç	gainst A plane	Ш	Ш	
Standard	TBS	_	_	+0.02 0	(Match mark type)	To add fitting processing, not applicable to combination with other than sets.	SKD11	58~62HRC	
Precision	VTBS	VTBSP	VTBSB	0 -0.005		It can be used without caring set combination or direction.ex) -color molding, insert molding, etc.	equivalent	00∼02HKU	







Dimensions when combined



- There is a match mark on the Misumi logo side, facilitating position alignment.
- Set the blocks so that the 'MISUMI' logo is visible from outside of the die.
- TBS must be used in set combination and direction being preset upon delivery. TIBS has only the Misumi logo. It does not have a match mark.
- 40 VTBS25 - 30









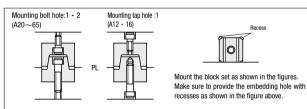
	■ Standard Match mark type																
٧	Е	Т	T ₁	T ₂	Bolt		nole		Installation bolts	Тар	Tap hole	No. of bolt boloo	Part Number		L	Κ°	U/Price
V	v =	•	11	12	ℓ1	ℓ2	d t		Installation boits	N	M×ℓ	No. of bolt holes	Type	Α	Selection	Selection	1~9 Set
7	*5						_		M3 bolt	M 3	M3×6	1 (Tap hole)		12	15 20		
9		23	7	14	_	_			M4 bolt	M 4	M4×6	1 (Tap hole)		16	20 25		
12	*7	23	1	14			0.5	3.5	M3 bolt	M 4		1		20	20 25		
12					7.5 10	15 20	0.5	3.3	D INIO DOIL	IVI 4		2		20	30 40	3	
15		28	9	17	_	_	8	_	M4 bolt	M 5		1	0.5	25	20 25		-
15	8	20	9		7.5 10	15 20	°	5				2		20	30 40		atic
17		32	10	20	- 7.5	15 o	9	6	6	M5 bolt	M 6		1	TBS 30	25 30	5	Quotation
					10 7.5	20 15		0	i iii boit	IVI O	_				40 30		
20	10	35	11	22	10	20 30	0							35	40 50		
25	15	45	14	29	10	20 30	11	7	M6 bolt	M 8		2		45	40 50		
25	20 15	40	14		17.5 20	40 60									75 100	3	
35	20	60	19	39	15 20 30	30 50 60	14	9	M8 bolt	M10				65	90 120	5	

Precision	

The height of the pin is E+1mm for A12 and A16.

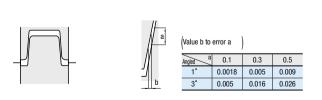
v	Е	т	T ₁	T ₂	Bolt hole				Installation bolts	Тар	No. of bolt holes	Part Numb	er	L	K°	U/Pr	ice 1	~9		
٧	-	•			ℓ1	l2	d	t	ilistaliation poits	N	NO. OI DOIL HOIES	Туре	Α	Selection	Selection	VTBS VI (1)+2)	VTBSP ①Pin	VTBSB ②Bushing		
10	7	23	7	14	_	_	6.5	3.5	M3 bolt	MA	1	VTBS	20	25						
12	'	23	'	14	7.5	15	0.5	3.5	IVIS DOIL	M4	2	(1)+(2)Set)	20	30	1					
15		28	9	17	-	_	8	_	5	5	M4 bolt	M5	1	VTBSP	25	25	2	Our	stat	
15 8 2	20	9	17	7.5	15	°	5	IVI4 DOIL	GIVI		(①Pin)	25	30	3	Que	Jiai				
17	8	32	10	20	10	20	9	6	M5 bolt	M6	2	VTBSB	30	40	5					
20	10	35	11	22	10	20	11	7	M6 bolt	M8		(@Bushing)	35	40						

■When using

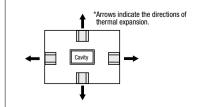




About mounting bolt hole: 1 or 2 As shown in the figure, the block can be easily removed by screwing a bolt into its tapping part to extract



When the matching cone angle is large, the height of tapered pin and bushing must be adjusted so that they fit more tightly. On the other hand, it is necessary to take possible sticking of the pin and bushing into consideration when the angle is small. At 1° taper, (also 3° taper in some cases), sticking can be avoided by setting them slightly afloat as shown in the figure. When the angle is small, the creep of the height (a in the left drawing) against the width (b in the left drawings) also small so that there is no need to worry about positioning inaccuracies.



■The tapered block sets are capable of offsetting the plate's thermal expansion caused in high temperature molding processes for thermosetting resins, etc., thereby maintaining positioning accuracy. The pin type positioning method cannot thoroughly absorb thermal expansion when it takes place in directions as shown in the figure. The block type will be unaffected if the groove direction is in parallel to the directions of thermal expansion as shown in the drawing.