


Support Units - Fixed Side, Square <Convenient> Type with Damper / Type with Dowel Holes

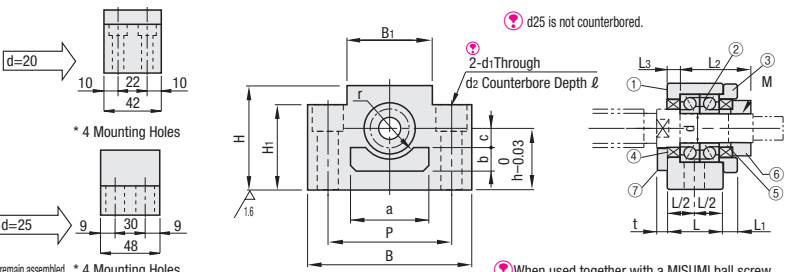
Support Units with Damper integrate the Stopper for Ball Screws and the Support Unit and are suitable for use in limited spaces.

Fixed Side Standard with Damper
(Industry Standard, for High Speed Applications)



RoHS 10

Type	Material	Surface Treatment
BSWD	S45C	Black Oxide



Component Details

Number	Part Name	Quantity
①	Bearing Housing	1
②	Japanese standard angular contact bearing Grade 5	1 Set
③	Cover	1
④	Oil Seal	2
⑤	Collar	2
⑥	Bearing Nut (with Set Piece)	1
⑦	Urethane Damper (Shore A70)	1

Do not disassemble the fixed side main body (①, ②, ③, ④ and ⑤), as they must remain assembled. * 4 Mounting Holes
⑦ is adhesive bonded to the housing.


d25 is not counterbored.
When used together with a MISUMI ball screw, there is one support unit accessory collar spare.

Part Number Type	No.	d	L	L ₁	L ₂	L ₃	B	H	h	B ₁	H ₁	P	d ₁	d ₂	ℓ	M (Fine)	Oil Seal Applicable Shaft Dia.	Damper Dimension					Unit Price 1 ~ 10 pc (s).
																		a	b	c	r	t	
BSWD	1022	10	24	6	29.5	6	70	40	22	32	35	52	9	14	11	M10x1.0	14	34	10	6	12	10	
	10S																						12
	10																						14
	1223	12	24	6	29.5	6	70	41	23	33	35	52	9	14	11	M12x1.0	15	34	10	6	12	10	
	12																						12
	1223																						14
	1526	15	25	6	38	5	80	46	26	36	40	60	11	17	15	M15x1.0	20	46	12	7	15.5	10	
	1528																						15
	15																						15
	20	20	42	10	52	10	95	58	*30	56	45	75	50	11	17	15	M20x1.0	25	50	15	10	18	10
	25	25	48	13	59	14	105	68	35	66	25	85	60	11	-	-	M25x1.5	31	60	19	10	25	10

Take care in combining No.20 with Ball Screw BSSZ (K) 2510, BSSR (K) 2510 or BSST2510. The ball screw nut may come in contact with the bottom surfaces.

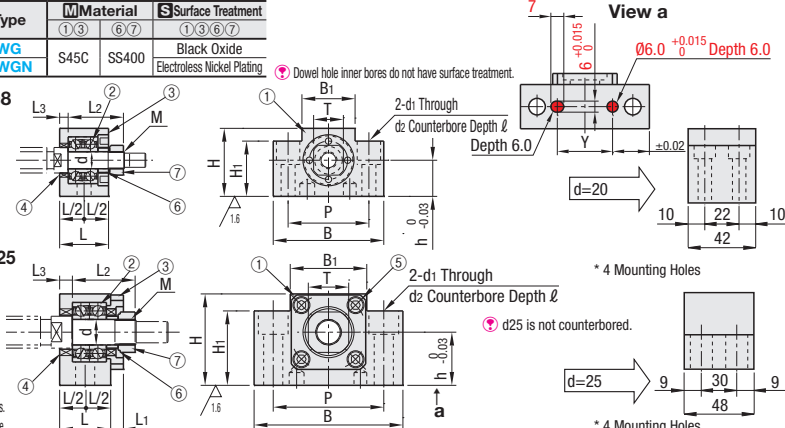
MISUMI Original Standard Type with Dowel Holes achieves better repeatability and accurate positioning than conventional products.

Fixed Side Standard with Dowel Holes
(Industry Standard, for High Speed Applications)



RoHS 10

Type	Material	Surface Treatment
BSWG	S45C	Black Oxide
BSWGN	SS400	Electroless Nickel Plating



Component Details

Number	Part Name	Quantity
①	Bearing Housing	1
②	Japanese standard angular contact bearing Grade 5	1 Set
③	Cover	1
④	Oil Seal	2
⑤	Hex Socket Head Cap Screw*	4
⑥	Collar	2
⑦	Bearing Nut (with Set Piece)	1

d=8 comes with one Oil Seal ④
Do not disassemble the fixed side main body (①, ②, ③, ④ and ⑤), as they must remain assembled.
BSWGR bearing is filled with low dust generation grease.
* screws of BSWG - BSWG are stainless steel.
For No.8S and 10S, the I.D. of oil seal is smaller than the previous No.8S and No.10S versions.
When used together with a MISUMI ball screw, there is one support unit accessory collar spare.

Dowel hole inner bores do not have surface treatment.
d25 is not counterbored.

Part Number Type	No.	d	L	L ₁	L ₂	L ₃	B	H	h	B ₁	H ₁	P	Y	d ₁	d ₂	ℓ	M (Fine)	T	Oil Seal Applicable Shaft Dia.	BSWG	BSWGN	
																				Unit Price 1 ~ 10 pc (s).	Unit Price 1 ~ 10 pc (s).	
BSWG BSWG	8S	8	23	-	26	4	52	32	17	25	26	38	20	6.6	11	11	M8x1.0	14	10	1 ~ 10 pc (s).	1 ~ 10 pc (s).	
	8																					11.5
	8																					14
	1022	10	24	6	29.5	6	70	43	25	36	35	52	30	9	14	11	M10x1.0	17	14	1 ~ 10 pc (s).	1 ~ 10 pc (s).	
	10S																					12
	10																					14
	1223	12	24	6	29.5	6	70	41	23	33	35	52	30	9	14	11	M12x1.0	19	15	1 ~ 10 pc (s).	1 ~ 10 pc (s).	
	12																					12
	1223																					14
	1526	15	25	6	38	5	80	46	26	36	40	60	36	11	17	15	M15x1.0	22	20	1 ~ 10 pc (s).	1 ~ 10 pc (s).	
	1528																					15
	15																					15
20	20	42	10	52	10	95	58	*30	56	45	75	50	11	17	15	M20x1.0	30	25	1 ~ 10 pc (s).	1 ~ 10 pc (s).		
25	25	48	13	59	14	105	68	35	66	25	85	60	11	-	-	M25x1.5	35	31	1 ~ 10 pc (s).	1 ~ 10 pc (s).		

Take care in combining No.20 with Ball Screw BSSZ(K)2510, BSSR(K)2510 or BSST2510. The ball screw nut may come in contact with the bottom surfaces.



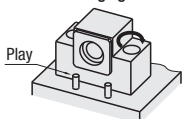
Features of Support Units with Dowel Holes

There is a method of pressing against vertical dowel pins for locating support units. However, care is required when tightening the mounting screws so as not to cause clearances between the pins and the support unit.

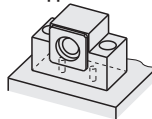
Using the Support Units with Dowel Holes reduces the assembling time as troublesome adjustments for the clearance will not be needed any more.

Method of Pressing against Vertically Placed Dowel Pins

Using the Support Units with Dowel Holes



When tightening the mounting screws, clearance between the pins and the wall may be created. If this clearance exists, readjustment is required.



As the dowel holes are provided with the Support Units, locating is easy.