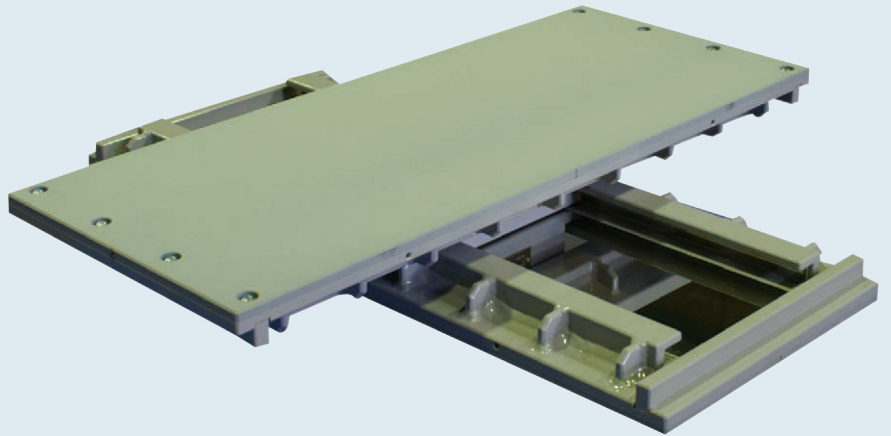


PILLAR Slide Bearing Series PILLAR UNI-TON™ Bearing System

PILLAR

High-performance,
small body bearing
that supports
a large load



This product is a slide bearing equipped with roller functionality (sliding capability) and pin functionality (inclination absorption capability).

This product allows structures to avoid deformation caused by earthquakes, wind, temperature, and other environmental impacts.

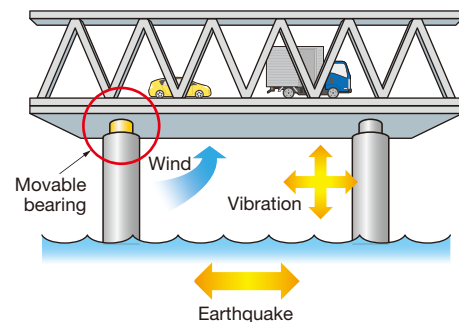
This product absorbs inclination caused by installation errors or deflection.

In addition to use in buildings, this product can be used with devices, pipes, and other objects.

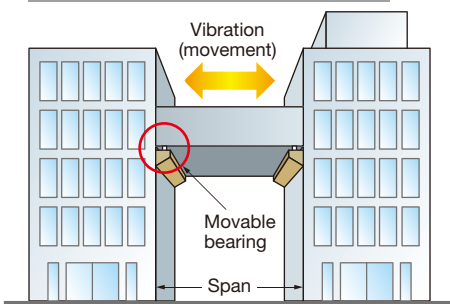
Features

- Fluorocarbon polymers with self-lubricating capabilities are used on the sliding surface, providing roller functionality with low friction.
- The elastomer (chloroprene rubber) sealed inside the base pot provides pin functionality freely in any direction.
- Various safety stoppers (to prevent excessive movement and rise) can be incorporated with the bearing.
- This product is compact and easy to install.
- We provide a rich array of product types and can also support special design conditions.

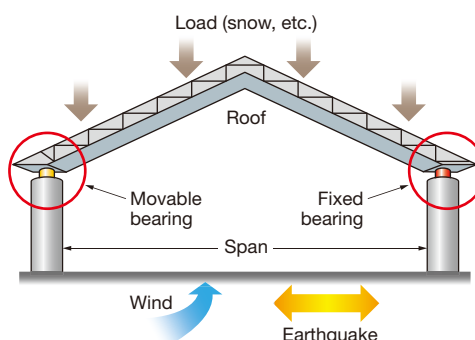
Bridge



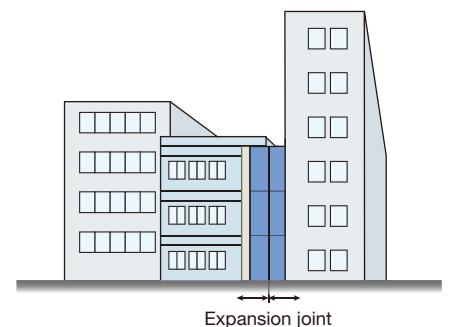
Corridor between two buildings



Roof



Expansion joint



NIPPON PILLAR PACKING CO., LTD.

Product number and model

E.g. No. 4802 - ASC - RX 050 N 055
 No. 4805 - ASS - MM 100 S 300

① ② ③ ④ ⑤ ⑥ ⑦

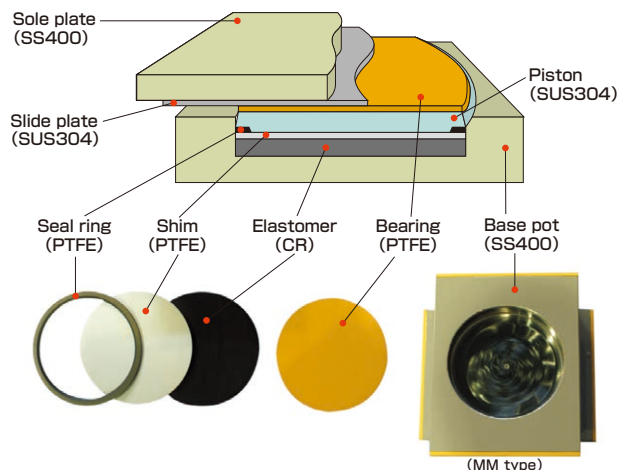
① ② ③ ④ ⑤ ⑥ ⑦

Product number Model

Item	Description
① Product number	4802: General UNI-TON Bearing System (except MM type) 4805: MM type
② Top structure type	S: Steel construction (S construction)
③ Bottom structure type	C: Concrete construction (RC construction)
④ Bearing type	See the table below.
⑤ Vertical load (long term) tonf	See the table below. (Support load per bearing)
⑥ Standard product or special product	N: Standard product S: Special product (For details, please contact us separately.)
⑦ Movement distance mm	See the table below. (Example) ±200 mm ⇒ 200

Standard materials

- Metal materials Based on JIS G 3101 "Rolled steels for general structure" (SS400)
 - Sliding materials ... PTFE and stainless steel plate based on JIS G 4305 "Cold-rolled stainless steel plate, sheet and strip" (SUS304)
 - Elastomer JIS K 6386 (Chloroprene rubber)
 - Painting Shop primer after surface preparation:
(SS400 parts)
Zinc-rich primer
Undercoat: Epoxy resin paint
Topcoat: Polyurethane resin paint (Munsell N6.0 light gray)
- *For any desired painting specifications, please contact us separately.
 *Welded sections and installation surfaces are only coated with shop primer.
 *Concrete contact surfaces are unpainted.
 *After this bearing is installed by welding, it must undergo repair finish coating.



Standard design conditions

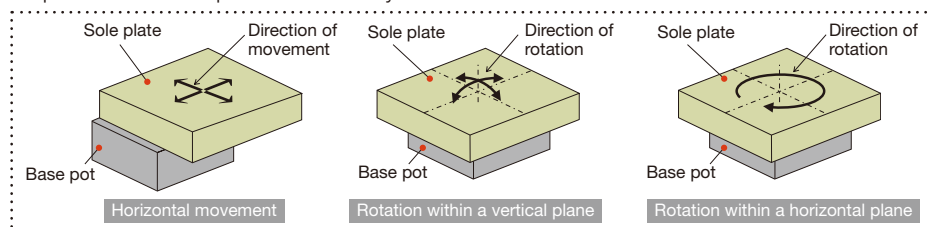
Bearing category	Bearing type	Support load			Displacement absorption functionality		
		Vertical load (long term) N	Horizontal load (short term) Q	Uplift load (short term) L	Movement distance e	Rotational angle	
		kN {tonf}	kN {tonf}	kN {tonf}	mm	Within a vertical plane	Within a horizontal plane
All-direction movable bearing	FM	(Common to all types)	—	—	± 55	± 2°	Free
	RX	100 {10}	N × 40%	—	(See the table below)		—
	MM	200 {20}	N × 40%	N × 20%	(See the table below)		—
One-direction movable bearing	RM	300 {30}	N × 40%	—	± 55		—
	UM	400 {40}	N × 20%	—	± 55		—
	LM	500 {50}	N × 20%	N × 20%	(See the table below)		—
Fixed bearing	FP	750 {75}	N × 40%	—	—		—
	UP	1000 {100}	N × 40%	N × 20%	—		—
	FS	1250 {125}	N × 40%	—	—		Free
	US	2000 {200}	N × 40%	—	—		Free
		2500 {250}	N × 40%	N × 20%	—		Free

- Notes
- 1) The short-term vertical load is long-term vertical load × 1.5.
 - 2) The horizontal load of movable bearings indicates the loads that the stopper can tolerate to prevent excessive movement.
 - 3) The uplift load indicates the loads that the stopper can tolerate to prevent rise.
 - 4) The standard design does not consider cases where uplift load or short-term vertical load and horizontal load act at the same time.
 - 5) The values of movement distance indicate limit values.
 - 6) Cases that do not apply to the standard design shown above are handled as special design.

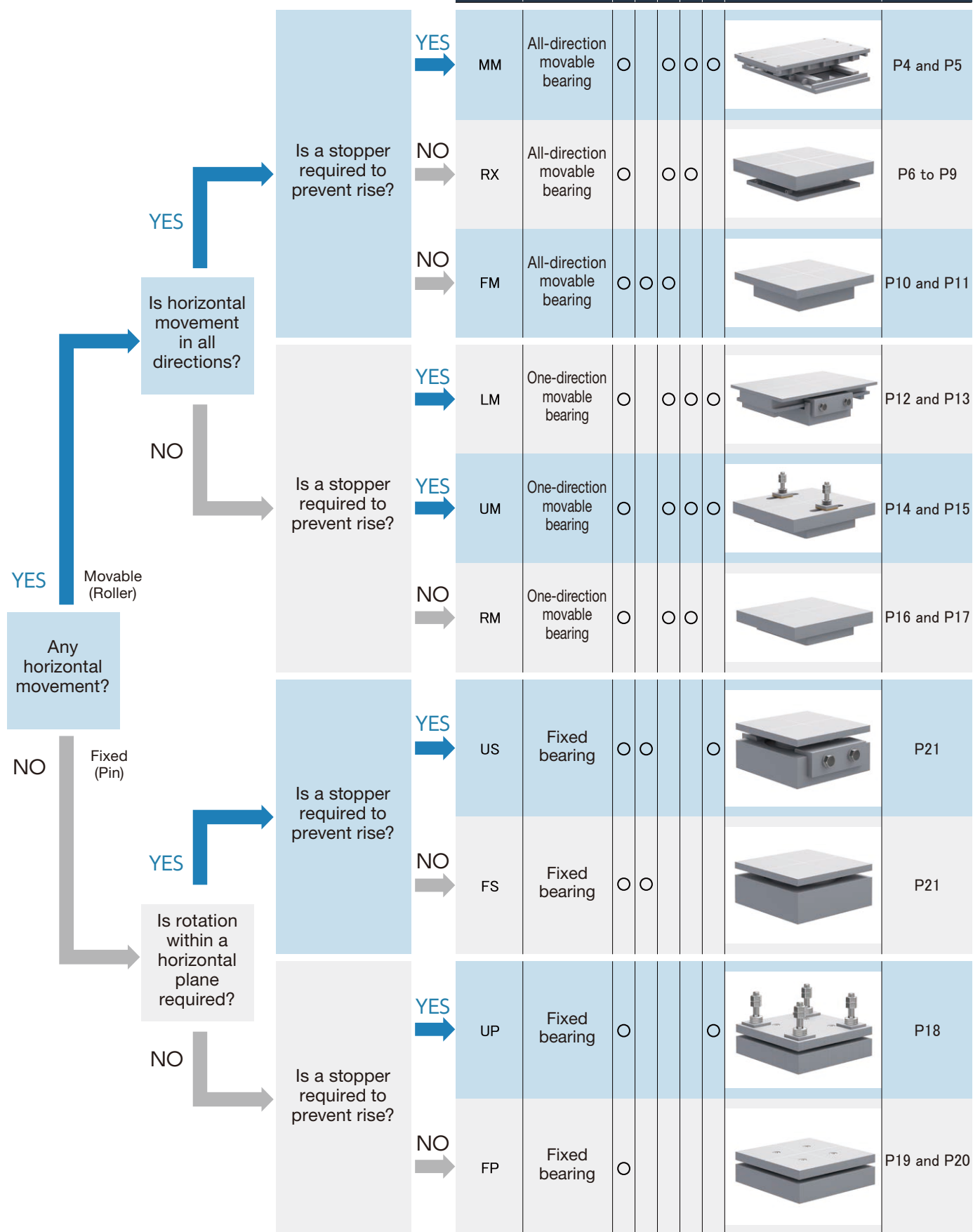
Unit: mm

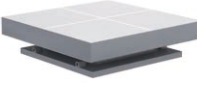
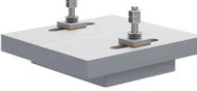
Movement distance e	RX	MM	LM
± 55	—	± 55	± 55
± 100	± 100	± 100	± 100
± 200	± 200	± 200	± 200
± 300	± 300	± 300	± 300
± 400	± 400	± 400	± 400
± 500	± 500	± 500	± 500

Displacement absorption functionality

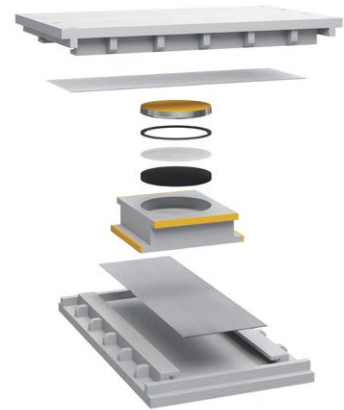
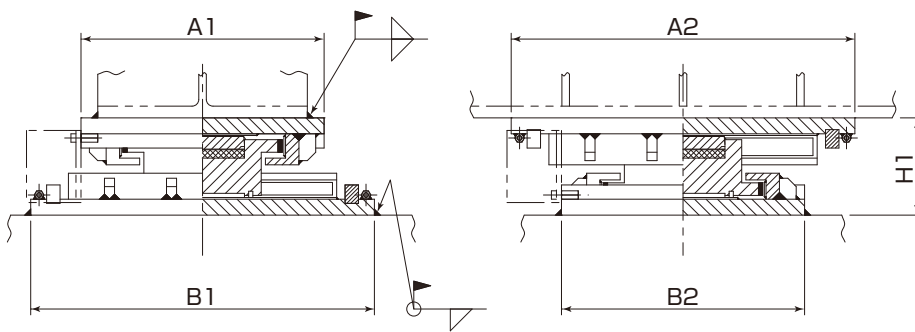


Selection method



Bearing type	Bearing category	Functions					Appearance	Size tables
		Rotation within a ver. plane	Rotation within a hor. plane	Hor. movement	Excessive movement prevention	Rise prevention		
MM	All-direction movable bearing	☐	☐	☐	☐	☐		P4 and P5
RX	All-direction movable bearing	☐	☐	☐	☐	☐		P6 to P9
FM	All-direction movable bearing	☐	☐	☐	☐	☐		P10 and P11
LM	One-direction movable bearing	☐	☐	☐	☐	☐		P12 and P13
UM	One-direction movable bearing	☐	☐	☐	☐	☐		P14 and P15
RM	One-direction movable bearing	☐	☐	☐	☐	☐		P16 and P17
US	Fixed bearing	☐	☐	☐	☐	☐		P21
FS	Fixed bearing	☐	☐	☐	☐	☐		P21
UP	Fixed bearing	☐	☐	☐	☐	☐		P18
FP	Fixed bearing	☐	☐	☐	☐	☐		P19 and P20

No.4805-ASS-MM



Bearing model*1			ASS-MM010N ***					ASS-MM020N ***					ASS-MM030N ***				
Ver. load (long term)	kN {tonf}		100 {10}					200 {20}					300 {30}				
Hor. load (short term)	kN {tonf}		40 {4}					80 {8}					120 {12}				
Uplift load (short term)	kN {tonf}		20 {2}					40 {4}					60 {6}				
Movement distance	X-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
	Y-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	290	290	290	290	290	350	350	350	350	350	390	390	390	390	390
	A2	mm	410	610	810	1010	1210	450	650	850	1050	1250	480	680	880	1080	1280
	B1	mm	410	610	810	1010	1210	450	650	850	1050	1250	480	680	880	1080	1280
	B2	mm	290	290	290	290	290	350	350	350	350	350	390	390	390	390	390
	H1	mm	116	116	116	116	116	125	125	125	125	125	134	134	134	134	134

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

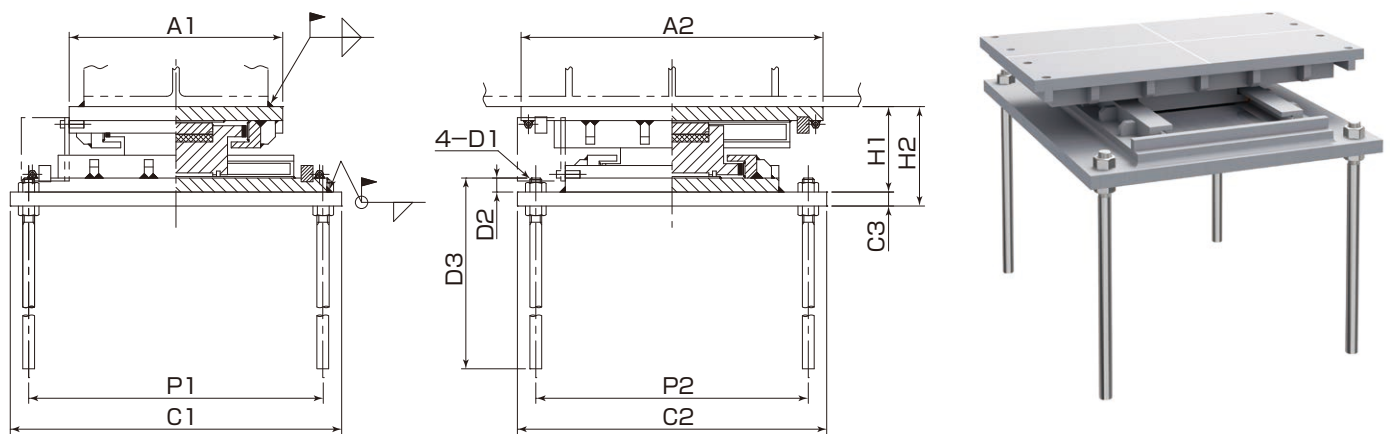
Bearing model*1			ASS-MM040N ***					ASS-MM050N ***				
Ver. load (long term)	kN {tonf}		400 {40}					500 {50}				
Hor. load (short term)	kN {tonf}		160 {16}					200 {20}				
Uplift load (short term)	kN {tonf}		80 {8}					100 {10}				
Movement distance	X-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
	Y-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	430	430	430	430	430	470	470	470	470	470
	A2	mm	510	710	910	1110	1310	550	750	950	1150	1350
	B1	mm	510	710	910	1110	1310	550	750	950	1150	1350
	B2	mm	430	430	430	430	430	470	470	470	470	470
	H1	mm	143	143	143	143	143	159	159	159	159	159

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing model*1			ASS-MM075N ***					ASS-MM100N ***				
Ver. load (long term)	kN {tonf}		750 {75}					1000 {100}				
Hor. load (short term)	kN {tonf}		300 {30}					400 {40}				
Uplift load (short term)	kN {tonf}		150 {15}					200 {20}				
Movement distance	X-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
	Y-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	550	550	550	550	550	620	620	620	620	620
	A2	mm	620	820	1020	1220	1420	680	880	1080	1280	1480
	B1	mm	620	820	1020	1220	1420	680	880	1080	1280	1480
	B2	mm	550	550	550	550	550	620	620	620	620	620
	H1	mm	174	174	174	174	174	186	186	186	186	186

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4805-ASC-MM



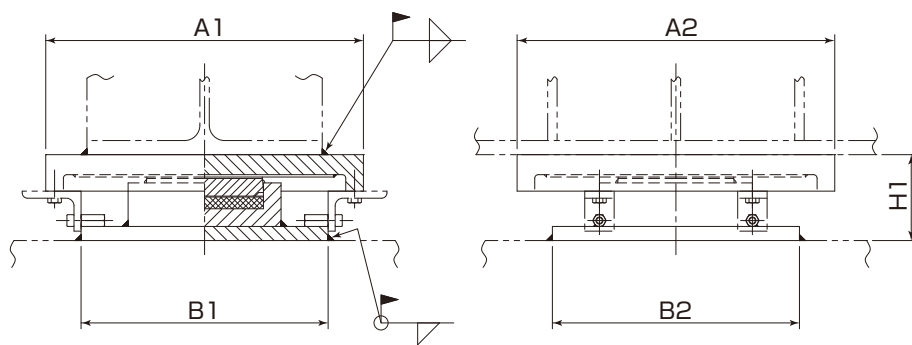
Bearing model*1			ASC-MM010N * * *					ASC-MM020N * * *					ASC-MM030N * * *					ASC-MM040N * * *				
Ver. load (long term)	kN(tonf)		100 {10}					200 {20}					300 {30}					400 {40}				
Hor. load (short term)	kN(tonf)		40 {4}					80 {8}					120 {12}					160 {16}				
Uplift load (short term)	kN(tonf)		20 {2}					40 {4}					60 {6}					80 {8}				
Movement distance	X-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
	Y-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	290	290	290	290	290	350	350	350	350	350	390	390	390	390	390	430	430	430	430	430
	A2	mm	410	610	810	1010	1210	450	650	850	1050	1250	480	680	880	1080	1280	510	710	910	1110	1310
	C1	mm	450	650	850	1050	1250	490	690	890	1090	1290	520	720	920	1120	1320	550	750	950	1150	1350
	C2	mm	420	420	420	420	420	500	500	500	500	500	580	580	580	580	580	660	660	660	660	660
	C3	mm	19	19	19	19	19	22	22	22	22	22	25	25	25	25	25	28	28	28	28	28
	D1	mm	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M24	M24	M24	M30	M30	M30	M30	M30
	D2	mm	19	19	19	19	19	24	24	24	24	24	28	28	28	28	28	35	35	35	35	35
	D3	mm	280	280	280	280	280	380	380	380	380	380	460	460	460	460	460	510	510	510	510	510
	H1	mm	116	116	116	116	116	125	125	125	125	125	134	134	134	134	134	143	143	143	143	143
	H2	mm	135	135	135	135	135	147	147	147	147	147	159	159	159	159	159	171	171	171	171	171
	P1	mm	400	600	800	1000	1200	430	630	830	1030	1230	440	640	840	1040	1240	460	660	860	1060	1260
	P2	mm	370	370	370	370	370	440	440	440	440	440	500	500	500	500	500	570	570	570	570	570

*1: " * * *" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing model ^{*1}		ASC-MM050N * * *						ASC-MM075N * * *					ASC-MM100N * * *				
Ver. load (long term)	kN(tonf)	500 {50}						750 {75}					1000 {100}				
Hor. load (short term)	kN(tonf)	200 {20}						300 {30}					400 {40}				
Uplift load (short term)	kN(tonf)	100 {10}						150 {15}					200 {20}				
Movement distance	X-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
	Y-direction	mm	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	470	470	470	470	470	550	550	550	550	550	620	620	620	620	620
	A2	mm	550	750	950	1150	1350	620	820	1020	1220	1420	680	880	1080	1280	1480
	C1	mm	590	790	990	1190	1390	660	860	1060	1260	1460	720	920	1120	1320	1520
	C2	mm	740	740	740	740	740	850	850	850	850	850	990	990	990	990	990
	C3	mm	32	32	32	32	32	36	36	36	36	36	40	40	40	40	40
	D1	mm	M36	M36	M36	M36	M36	M42	M42	M42	M42	M42	M48	M48	M48	M48	M48
	D2	mm	41	41	41	41	41	48	48	48	48	48	53	53	53	53	53
	D3	mm	610	610	610	610	610	710	710	710	710	710	810	810	810	810	810
	H1	mm	159	159	159	159	159	174	174	174	174	174	186	186	186	186	186
	H2	mm	191	191	191	191	191	210	210	210	210	210	226	226	226	226	226
	P1	mm	480	680	880	1080	1280	540	740	940	1140	1340	570	770	970	1170	1370
	P2	mm	630	630	630	630	630	730	730	730	730	730	840	840	840	840	840

*1: " * * *" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4802-ASS-RX



Bearing model*1			ASS-RX010N * * *							ASS-RX020N * * *							ASS-RX030N * * *						
Ver. load (long term)		kN {tonf}	100 {10}							200 {20}							300 {30}						
Hor. load (short term)		kN {tonf}	40 {4}							80 {8}							120 {12}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500			
Dims	A1	mm	270	360	560	760	960	1160	310	400	600	800	1000	1200	360	450	650	850	1050	1250			
	A2	mm	270	360	560	760	960	1160	310	400	600	800	1000	1200	360	450	650	850	1050	1250			
	B1	mm	210	300	500	680	880	1070	250	340	530	720	910	1100	290	380	570	760	950	1140			
	B2	mm	210	300	500	680	880	1070	250	340	530	720	910	1100	290	380	570	760	950	1140			
	H1	mm	73	73	73	81	85	89	80	80	86	91	97	102	97	97	103	108	113	118			

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

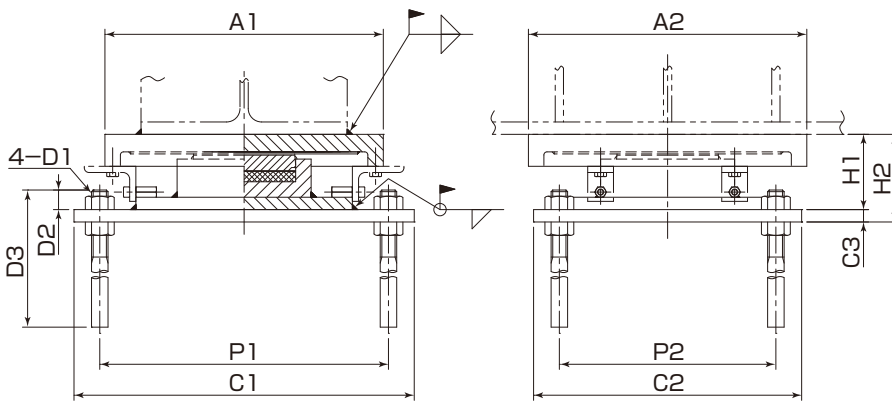
Bearing model*1			ASS-RX040N * * *							ASS-RX050N * * *						
Ver. load (long term)		kN {tonf}	400 {40}							500 {50}						
Hor. load (short term)		kN {tonf}	160 {16}							200 {20}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500		
Dims	A1	mm	400	490	690	890	1090	1290	430	520	720	920	1120	1320		
	A2	mm	400	490	690	890	1090	1290	430	520	720	920	1120	1320		
	B1	mm	330	400	590	780	970	1160	330	410	600	790	980	1180		
	B2	mm	330	400	590	780	970	1160	330	410	600	790	980	1180		
	H1	mm	108	114	119	124	129	134	120	125	130	135	140	140		

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing model ^{*1}			ASS-RX075N * * *							ASS-RX100N * * *					
Ver. load (long term)		kN {tonf}	750 {75}							1000 {100}					
Hor. load (short term)		kN {tonf}	300 {30}							400 {40}					
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	
Dims	A1	mm	500	590	790	990	1190	1390	560	650	850	1050	1250	1450	
	A2	mm	500	590	790	990	1190	1390	560	650	850	1050	1250	1450	
	B1	mm	390	470	660	850	1040	1230	440	520	710	900	1090	1280	
	B2	mm	390	470	660	850	1040	1230	440	520	710	900	1090	1280	
	H1	mm	137	141	146	151	156	161	153	158	163	168	173	178	

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4802-ASC-RX



Bearing model*1			ASC-RX010N * * *						ASC-RX020N * * *						ASC-RX030N * * *					
Ver. load (long term)		kN(tonf)	100 {10}						200 {20}						300 {30}					
Hor. load (short term)		kN(tonf)	40 {4}						80 {8}						120 {12}					
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	270	360	560	760	960	1160	310	400	600	800	1000	1200	360	450	650	850	1050	1250
	A2	mm	270	360	560	760	960	1160	310	400	600	800	1000	1200	360	450	650	850	1050	1250
	C1	mm	330	420	620	800	1000	1190	390	480	670	860	1050	1240	470	560	750	940	1130	1320
	C2	mm	260	350	550	730	930	1120	300	390	580	770	960	1150	340	430	620	810	1000	1190
	C3	mm	12	12	12	12	12	12	16	16	16	16	16	16	19	19	19	19	19	19
	D1	mm	M16	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M20	M24	M24	M24	M24	M24	M24
	D2	mm	19	19	19	19	19	19	24	24	24	24	24	24	28	28	28	28	28	28
	D3	mm	280	280	280	280	280	280	340	340	340	340	340	340	410	410	410	410	410	410
	H1	mm	73	73	73	81	85	89	80	80	86	91	97	102	97	97	103	108	113	118
	H2	mm	85	85	85	93	97	101	96	96	102	107	113	118	116	116	122	127	132	137
	P1	mm	280	370	570	750	950	1140	330	420	610	800	990	1180	390	480	670	860	1050	1240
	P2	mm	210	300	500	680	880	1070	240	330	520	710	900	1090	260	350	540	730	920	1110

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

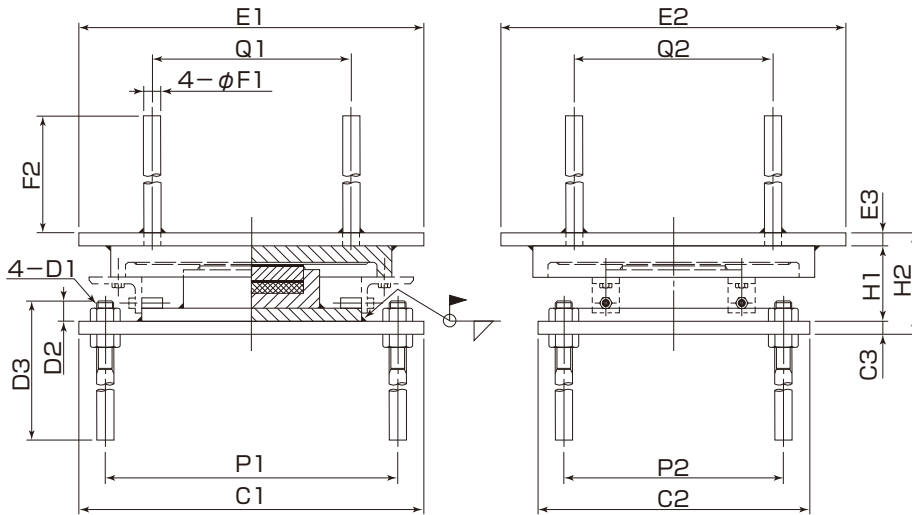
Bearing model ^{*1}		ASC-RX040N ***							ASC-RX050N ***						
Ver. load (long term)	kN(tonf)	400 {40}							500 {50}						
Hor. load (short term)	kN(tonf)	160 {16}							200 {20}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 500
Dims	A1	mm	400	490	690	890	1090	1290	430	520	720	920	1120	1320	1320
	A2	mm	400	490	690	890	1090	1290	430	520	720	920	1120	1320	1320
	C1	mm	540	610	800	990	1180	1370	590	670	860	1050	1240	1440	1440
	C2	mm	380	450	640	830	1020	1210	380	460	650	840	1030	1230	1230
	C3	mm	22	22	22	22	22	22	25	25	25	25	25	25	25
	D1	mm	M30	M30	M30	M30	M30	M30	M36	M36	M36	M36	M36	M36	M36
	D2	mm	35	35	35	35	35	35	41	41	41	41	41	41	41
	D3	mm	510	510	510	510	510	510	610	610	610	610	610	610	610
	H1	mm	108	114	119	124	129	134	120	125	130	135	140	140	140
	H2	mm	130	136	141	146	151	156	145	150	155	160	165	165	165
	P1	mm	450	520	710	900	1090	1280	480	560	750	940	1130	1330	1330
	P2	mm	290	360	550	740	930	1120	270	350	540	730	920	1120	1120

*1: "****" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing model ^{*1}		ASC-RX075N ***							ASC-RX100N ***						
Ver. load (long term)	kN(tonf)	750 {75}							1000 {100}						
Hor. load (short term)	kN(tonf)	300 {30}							400 {40}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 500
Dims	A1	mm	500	590	790	990	1190	1390	560	650	850	1050	1250	1450	1450
	A2	mm	500	590	790	990	1190	1390	560	650	850	1050	1250	1450	1450
	C1	mm	690	770	960	1150	1340	1530	790	870	1060	1250	1440	1630	1630
	C2	mm	440	520	710	900	1090	1280	490	570	760	950	1140	1330	1330
	C3	mm	32	32	32	32	32	32	36	36	36	36	36	36	36
	D1	mm	M42	M42	M42	M42	M42	M42	M48	M48	M48	M48	M48	M48	M48
	D2	mm	48	48	48	48	48	48	53	53	53	53	53	53	53
	D3	mm	710	710	710	710	710	710	810	810	810	810	810	810	810
	H1	mm	137	141	146	151	156	161	153	158	163	168	173	178	178
	H2	mm	169	173	178	183	188	193	189	194	199	204	209	214	214
	P1	mm	560	640	830	1020	1210	1400	640	720	910	1100	1290	1480	1480
	P2	mm	310	390	580	770	960	1150	340	420	610	800	990	1180	1180

*1: "****" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4802-ACC-RX



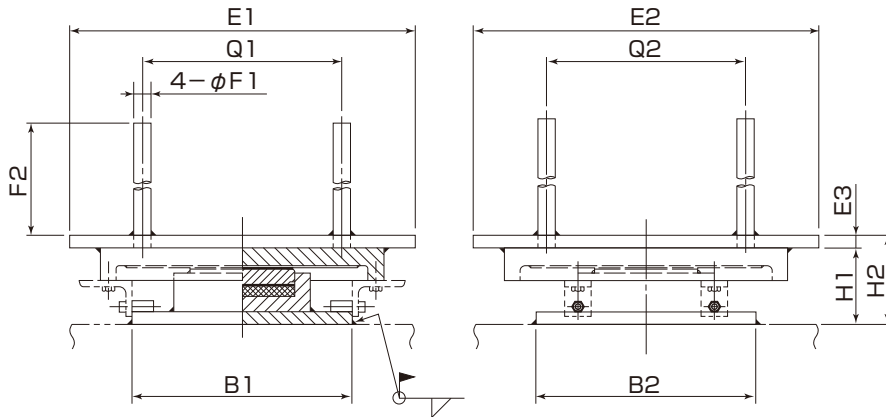
Bearing model* ¹		ACC-RX010N * * *							ACC-RX020N * * *							ACC-RX030N * * *							ACC-RX040N * * *						
Ver. load (long term)	kN{tonf}	100 {10}							200 {20}							300 {30}							400 {40}						
Hor. load (short term)	kN{tonf}	40 {4}							80 {8}							120 {12}							160 {16}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500			
Dims	C1	mm	330	420	620	800	1000	1190	390	480	670	860	1050	1240	470	560	750	940	1130	1320	540	610	800	990	1180	1370			
	C2	mm	260	350	550	730	930	1120	300	390	580	770	960	1150	340	430	620	810	1000	1190	380	450	640	830	1020	1210			
	C3	mm	12	12	12	12	12	12	16	16	16	16	16	16	19	19	19	19	19	19	22	22	22	22	22	22			
	D1	mm	M16	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M20	M24	M24	M24	M24	M24	M24	M30	M30	M30	M30	M30	M30			
	D2	mm	19	19	19	19	19	19	24	24	24	24	24	24	28	28	28	28	28	28	35	35	35	35	35	35			
	D3	mm	280	280	280	280	280	280	340	340	340	340	340	340	410	410	410	410	410	410	510	510	510	510	510	510			
	E1	mm	330	420	620	820	1020	1220	370	460	660	860	1060	1260	420	510	710	910	1110	1310	460	550	750	950	1150	1350			
	E2	mm	330	420	620	820	1020	1220	370	460	660	860	1060	1260	420	510	710	910	1110	1310	460	550	750	950	1150	1350			
	E3	mm	12	12	12	12	12	12	16	16	16	16	16	16	19	19	19	19	19	19	22	22	22	22	22	22			
	F1	mm	16	16	16	16	16	16	20	20	20	20	20	20	24	24	24	24	24	24	24	30	30	30	30	30	30		
	F2	mm	160	160	160	160	160	160	200	200	200	200	200	200	240	240	240	240	240	240	300	300	300	300	300	300			
	H1	mm	73	73	73	81	85	89	80	80	86	91	97	102	97	97	103	108	113	118	108	114	119	124	129	134			
	H2	mm	97	97	97	105	109	113	112	112	118	123	129	134	135	135	141	146	151	156	152	158	163	168	173	178			
	P1	mm	280	370	570	750	950	1140	330	420	610	800	990	1180	390	480	670	860	1050	1240	450	520	710	900	1090	1280			
	P2	mm	210	300	500	680	880	1070	240	330	520	710	900	1090	260	350	540	730	920	1110	290	360	550	740	930	1120			
Q1	mm	190	280	480	680	880	1080	270	360	560	760	960	1160	320	410	610	810	1010	1210	320	410	610	810	1010	1210				
Q2	mm	190	280	480	680	880	1080	270	360	560	760	960	1160	320	410	610	810	1010	1210	320	410	610	810	1010	1210				

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing model*1			ACC-RX050N * * *						ACC-RX075N * * *						ACC-RX100N * * *					
Ver. load (long term)		kN {tonf}	500 {50}						750 {75}						1000 {100}					
Hor. load (short term)		kN {tonf}	200 {20}						300 {30}						400 {40}					
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500
Dims	C1	mm	590	670	860	1050	1240	1440	690	770	960	1150	1340	1530	790	870	1060	1250	1440	1630
	C2	mm	380	460	650	840	1030	1230	440	520	710	900	1090	1280	490	570	760	950	1140	1330
	C3	mm	25	25	25	25	25	25	32	32	32	32	32	32	36	36	36	36	36	36
	D1	mm	M36	M36	M36	M36	M36	M36	M42	M42	M42	M42	M42	M42	M48	M48	M48	M48	M48	M48
	D2	mm	41	41	41	41	41	41	48	48	48	48	48	48	53	53	53	53	53	53
	D3	mm	610	610	610	610	610	610	710	710	710	710	710	710	810	810	810	810	810	810
	E1	mm	490	580	780	980	1180	1380	560	650	850	1050	1250	1450	620	710	910	1110	1310	1510
	E2	mm	490	580	780	980	1180	1380	560	650	850	1050	1250	1450	620	710	910	1110	1310	1510
	E3	mm	28	28	28	28	28	28	32	32	32	32	32	32	36	36	36	36	36	36
	F1	mm	36	36	36	36	36	36	42	42	42	42	42	42	48	48	48	48	48	48
	F2	mm	360	360	360	360	360	360	420	420	420	420	420	420	480	480	480	480	480	480
	H1	mm	120	125	130	135	140	140	137	141	146	151	156	161	153	158	163	168	173	178
	H2	mm	173	178	183	188	193	193	201	205	210	215	220	225	225	230	235	240	245	250
	P1	mm	480	560	750	940	1130	1330	560	640	830	1020	1210	1400	640	720	910	1100	1290	1480
	P2	mm	270	350	540	730	920	1120	310	390	580	770	960	1150	340	420	610	800	990	1180
Q1	mm	310	400	600	800	1000	1200	370	460	660	860	1060	1260	420	510	710	910	1110	1310	
Q2	mm	310	400	600	800	1000	1200	370	460	660	860	1060	1260	420	510	710	910	1110	1310	

*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4802-ACS-RX



Bearing model ^{*1}		ACS-RX010N ***							ACS-RX020N ***							ACS-RX030N ***						
Ver. load (long term)	kN(tonf)	100 {10}							200 {20}							300 {30}						
Hor. load (short term)	kN(tonf)	40 {4}							80 {8}							120 {12}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500		
Dims	B1	mm	210	300	500	680	880	1070	250	340	530	720	910	1100	290	380	570	760	950	1140		
	B2	mm	210	300	500	680	880	1070	250	340	530	720	910	1100	290	380	570	760	950	1140		
	E1	mm	330	420	620	820	1020	1220	370	460	660	860	1060	1260	420	510	710	910	1110	1310		
	E2	mm	330	420	620	820	1020	1220	370	460	660	860	1060	1260	420	510	710	910	1110	1310		
	E3	mm	12	12	12	12	12	12	16	16	16	16	16	16	19	19	19	19	19	19		
	F1	mm	16	16	16	16	16	16	20	20	20	20	20	20	24	24	24	24	24	24		
	F2	mm	160	160	160	160	160	160	200	200	200	200	200	200	240	240	240	240	240	240		
	H1	mm	73	73	73	81	85	89	80	80	86	91	97	102	97	97	103	108	113	118		
	H2	mm	85	85	85	93	97	101	96	96	102	107	113	118	116	116	122	127	132	137		
	Q1	mm	190	280	480	680	880	1080	270	360	560	760	960	1160	320	410	610	810	1010	1210		
	Q2	mm	190	280	480	680	880	1080	270	360	560	760	960	1160	320	410	610	810	1010	1210		

*1: " *** " in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

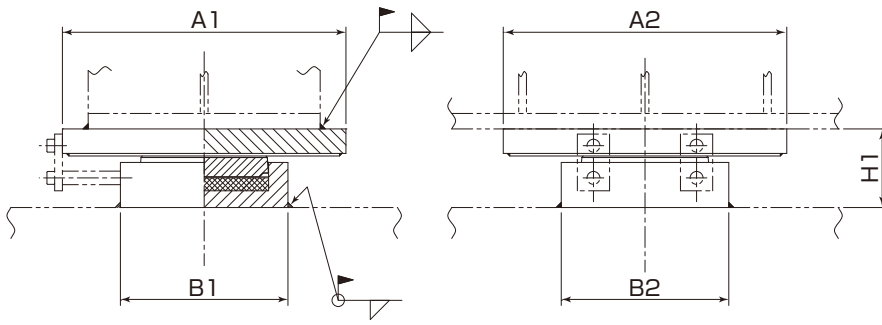
Bearing model ^{*1}		ACS-RX040N ***							ACS-RX050N ***						
Ver. load (long term)	kN(tonf)	400 {40}							500 {50}						
Hor. load (short term)	kN(tonf)	160 {16}							200 {20}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	
Dims	B1	mm	330	400	590	780	970	1160	330	410	600	790	980	1180	
	B2	mm	330	400	590	780	970	1160	330	410	600	790	980	1180	
	E1	mm	460	550	750	950	1150	1350	490	580	780	980	1180	1380	
	E2	mm	460	550	750	950	1150	1350	490	580	780	980	1180	1380	
	E3	mm	22	22	22	22	22	22	28	28	28	28	28	28	
	F1	mm	30	30	30	30	30	30	36	36	36	36	36	36	
	F2	mm	300	300	300	300	300	300	360	360	360	360	360	360	
	H1	mm	108	114	119	124	129	134	120	125	130	135	140	140	
	H2	mm	130	136	141	146	151	156	148	153	158	163	168	168	
	Q1	mm	320	410	610	810	1010	1210	310	400	600	800	1000	1200	
	Q2	mm	320	410	610	810	1010	1210	310	400	600	800	1000	1200	

*1: " *** " in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing model ^{*1}		ACS-RX075N ***							ACS-RX100N ***						
Ver. load (long term)	kN(tonf)	750 {75}							1000 {100}						
Hor. load (short term)	kN(tonf)	300 {30}							400 {40}						
Movement distance	All directions	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	
Dims	B1	mm	390	470	660	850	1040	1230	440	520	710	900	1090	1280	
	B2	mm	390	470	660	850	1040	1230	440	520	710	900	1090	1280	
	E1	mm	560	650	850	1050	1250	1450	620	710	910	1110	1310	1510	
	E2	mm	560	650	850	1050	1250	1450	620	710	910	1110	1310	1510	
	E3	mm	32	32	32	32	32	32	36	36	36	36	36	36	
	F1	mm	42	42	42	42	42	42	48	48	48	48	48	48	
	F2	mm	420	420	420	420	420	420	480	480	480	480	480	480	
	H1	mm	137	141	146	151	156	161	153	158	163	168	173	178	
	H2	mm	169	173	178	183	188	193	189	194	199	204	209	214	
	Q1	mm	370	460	660	860	1060	1260	420	510	710	910	1110	1310	
	Q2	mm	370	460	660	860	1060	1260	420	510	710	910	1110	1310	

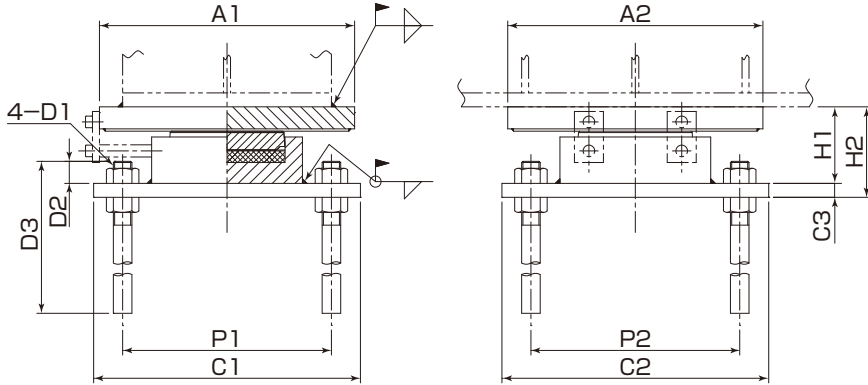
*1: " *** " in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4802-ASS-FM



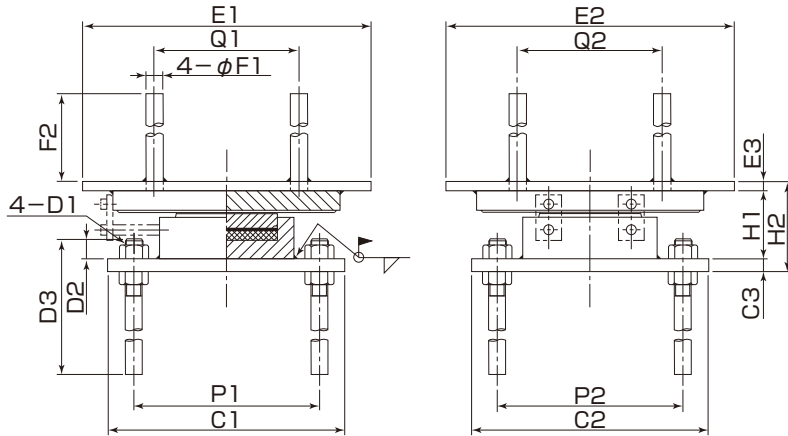
Bearing model		ASS-FM010N055	ASS-FM020N055	ASS-FM030N055	ASS-FM040N055	ASS-FM050N055	ASS-FM075N055	ASS-FM100N055
Ver. load (long term)	kN(tonf)	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Movement distance	All directions	mm	± 55	± 55	± 55	± 55	± 55	± 55
Dims	A1	mm	220	260	290	320	340	390
	A2	mm	220	260	290	320	340	390
	B1	mm	130	170	210	240	270	330
	B2	mm	130	170	210	240	270	330
	H1	mm	61	62	71	79	85	99

No.4802-ASC-FM



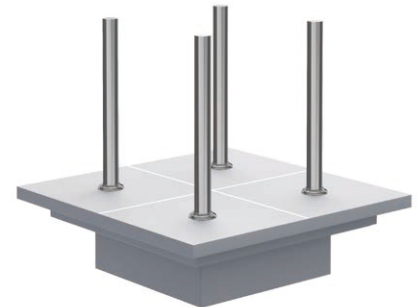
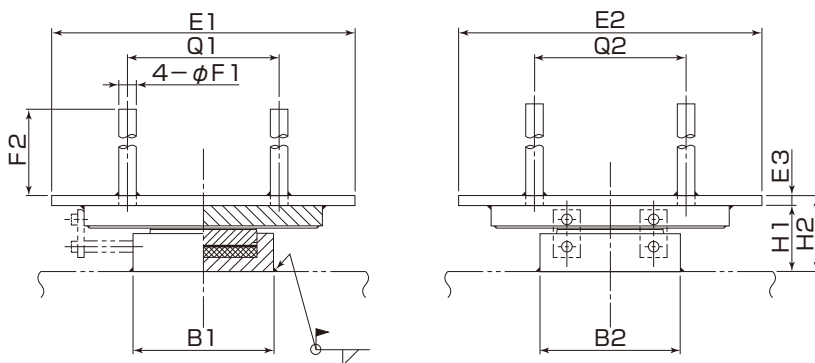
Bearing model		ASC-FM010N055	ASC-FM020N055	ASC-FM030N055	ASC-FM040N055	ASC-FM050N055	ASC-FM075N055	ASC-FM100N055
Ver. load (long term)	kN(tonf)	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Movement distance	All directions	mm	± 55	± 55	± 55	± 55	± 55	± 55
Dims	A1	mm	220	260	290	320	340	390
	A2	mm	220	260	290	320	340	390
	C1	mm	230	270	320	350	410	480
	C2	mm	230	270	320	350	410	480
	C3	mm	12	16	19	22	25	32
	D1	mm	M16	M16	M20	M20	M24	M30
	D2	mm	19	19	24	24	28	35
	D3	mm	280	280	350	350	420	520
	H1	mm	66	77	86	99	105	119
	H2	mm	78	93	105	121	130	151
	P1	mm	180	220	260	290	330	390
	P2	mm	180	220	260	290	330	390

No.4802-ACC-FM



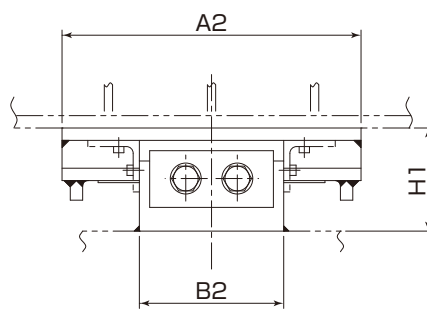
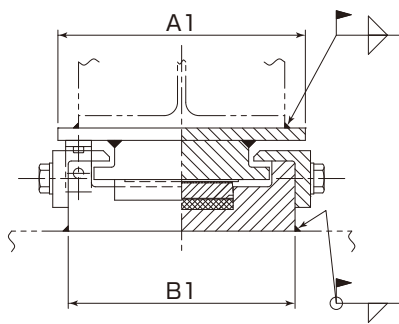
Bearing model			ACC-FM010N055	ACC-FM020N055	ACC-FM030N055	ACC-FM040N055	ACC-FM050N055	ACC-FM075N055	ACC-FM100N055
Ver. load (long term)		kN(tonf)	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Movement distance	All directions	mm	± 55	± 55	± 55	± 55	± 55	± 55	± 55
Dims	C1	mm	230	270	320	350	410	480	570
	C2	mm	230	270	320	350	410	480	570
	C3	mm	12	16	19	22	25	32	36
	D1	mm	M16	M16	M20	M20	M24	M30	M36
	D2	mm	19	19	24	24	28	35	41
	D3	mm	280	280	350	350	420	520	620
	E1	mm	280	320	350	380	400	450	490
	E2	mm	280	320	350	380	400	450	490
	E3	mm	9	16	16	16	22	28	28
	F1	mm	16	16	20	20	24	30	36
	F2	mm	160	160	200	200	240	300	360
	H1	mm	66	77	86	99	105	119	138
	H2	mm	87	109	121	137	152	179	202
	P1	mm	180	220	260	290	330	390	460
	P2	mm	180	220	260	290	330	390	460
	Q1	mm	140	160	180	190	200	230	250
	Q2	mm	140	160	180	190	200	230	250

No.4802-ACS-FM



Bearing model			ACS-FM010N055	ACS-FM020N055	ACS-FM030N055	ACS-FM040N055	ACS-FM050N055	ACS-FM075N055	ACS-FM100N055
Ver. load (long term)		kN(tonf)	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Movement distance	All directions	mm	± 55	± 55	± 55	± 55	± 55	± 55	± 55
Dims	B1	mm	130	170	210	240	270	330	380
	B2	mm	130	170	210	240	270	330	380
	E1	mm	280	320	350	380	400	450	490
	E2	mm	280	320	350	380	400	450	490
	E3	mm	9	16	16	16	22	28	28
	F1	mm	16	16	20	20	24	30	36
	F2	mm	160	160	200	200	240	300	360
	H1	mm	61	62	71	79	85	99	118
	H2	mm	70	78	87	95	107	127	146
	Q1	mm	140	160	180	190	200	230	250
Q2	mm	140	160	180	190	200	230	250	

No.4802-ASS-LM



Bearing model*1		ASS-LM010N * * *							ASS-LM020N * * *							ASS-LM030N * * *						
Ver. load (long term)	kN (tonf)	100 {10}							200 {20}							300 {30}						
Hor. load (short term)	kN (tonf)	40 {4}							80 {8}							120 {12}						
Uplift load (short term)	kN (tonf)	20 {2}							40 {4}							60 {6}						
Movement distance	One direction	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500		
Dims	A1	mm	240	240	240	240	240	240	290	290	290	290	290	290	320	320	320	320	320	320		
	A2	mm	290	380	580	780	980	1180	330	420	620	820	1020	1220	380	470	670	870	1070	1270		
	B1	mm	220	220	220	220	220	220	260	260	260	260	260	260	290	290	290	290	290	290		
	B2	mm	140	140	140	140	140	140	170	170	170	170	170	170	210	210	210	210	210	210		
	H1	mm	100	100	100	100	100	100	109	109	109	109	109	109	118	118	118	118	118	118		

*1: " * * *" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

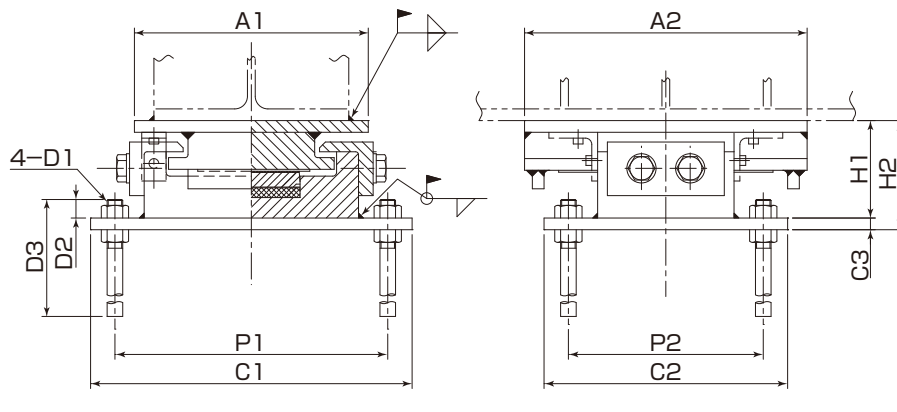
Bearing model* ¹		ASS-LM040N * * *							ASS-LM050N * * *					
Ver. load (long term)	kN (tonf)	400 {40}							500 {50}					
Hor. load (short term)	kN (tonf)	160 {16}							200 {20}					
Uplift load (short term)	kN (tonf)	80 {8}							100 {10}					
Movement distance	One direction	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	350	350	350	350	350	350	380	380	380	380	380	380
	A2	mm	410	500	700	900	1100	1300	450	540	740	940	1140	1340
	B1	mm	320	320	320	320	320	320	340	340	340	340	340	340
	B2	mm	240	240	240	240	240	240	270	270	270	270	270	270
	H1	mm	132	132	132	132	132	132	141	141	141	141	141	141

*1: " * * *" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing model*1		ASS-LM075N * * *							ASS-LM100N * * *					
Ver. load (long term)	kN (tonf)	750 {75}							1000 {100}					
Hor. load (short term)	kN (tonf)	300 {30}							400 {40}					
Uplift load (short term)	kN (tonf)	150 {15}							200 {20}					
Movement distance	One direction	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	430	430	430	430	430	430	490	490	490	490	490	490
	A2	mm	500	590	790	990	1190	1390	550	640	840	1040	1240	1440
	B1	mm	400	400	400	400	400	400	450	450	450	450	450	450
	B2	mm	310	310	310	310	310	310	350	350	350	350	350	350
	H1	mm	168	168	168	168	168	168	177	177	177	177	177	177

*1: " * * *" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4802-ASC-LM



Bearing mode ^{*1}		ASC-LM010N * * *							ASC-LM020N * * *							ASC-LM030N * * *							ASC-LM040N * * *						
Ver. load (long term)	kN(tonf)	100 {10}							200 {20}							300 {30}							400 {40}						
Hor. load (short term)	kN(tonf)	40 {4}							80 {8}							120 {12}							160 {16}						
Uplift load (short term)	kN(tonf)	20 {2}							40 {4}							60 {6}							80 {8}						
Movement distance	One direction	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500			
Dims	A1	mm	240	240	240	240	240	240	290	290	290	290	290	290	320	320	320	320	320	320	350	350	350	350	350	350			
	A2	mm	290	380	580	780	980	1180	330	420	620	820	1020	1220	380	470	670	870	1070	1270	410	500	700	900	1100	1300			
	C1	mm	330	330	330	330	330	330	390	390	390	390	390	390	450	450	450	450	450	450	500	500	500	500	500	500			
	C2	mm	250	250	250	250	250	250	300	300	300	300	300	300	370	370	370	370	370	370	420	420	420	420	420	420			
	C3	mm	12	12	12	12	12	12	16	16	16	16	16	16	19	19	19	19	19	19	22	22	22	22	22	22			
	D1	mm	M16	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M20	M24	M24	M24	M24	M24	M24	M30	M30	M30	M30	M30	M30			
	D2	mm	19	19	19	19	19	19	24	24	24	24	24	24	29	29	29	29	29	29	35	35	35	35	35	35			
	D3	mm	280	280	280	280	280	280	340	340	340	340	340	340	410	410	410	410	410	410	510	510	510	510	510	510			
	P1	mm	280	280	280	280	280	280	330	330	330	330	330	330	370	370	370	370	370	370	410	410	410	410	410	410			
	P2	mm	200	200	200	200	200	200	240	240	240	240	240	240	290	290	290	290	290	290	330	330	330	330	330	330			
	H1	mm	100	100	100	100	100	100	109	109	109	109	109	109	118	118	118	118	118	118	132	132	132	132	132	132			
	H2	mm	112	112	112	112	112	112	125	125	125	125	125	125	137	137	137	137	137	137	154	154	154	154	154	154			

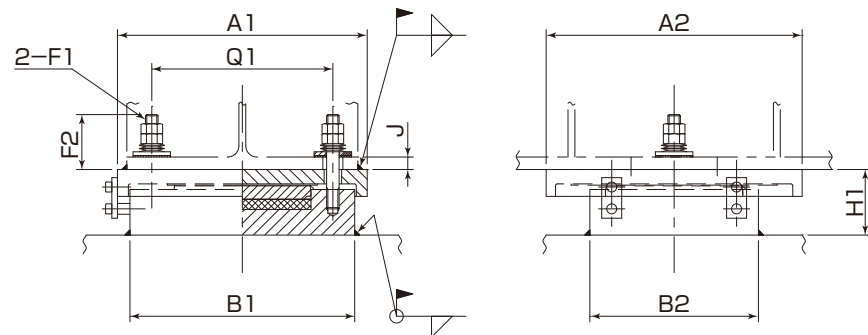
*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

Bearing mode ^{*1}		ASC-LM050N * * *							ASC-LM075N * * *						ASC-LM100N * * *					
Ver. load (long term)	kN(tonf)	500 {50}							750 {75}						1000 {100}					
Hor. load (short term)	kN(tonf)	200 {20}							300 {30}						400 {40}					
Uplift load (short term)	kN(tonf)	100 {10}							150 {15}						200 {20}					
Movement distance	One direction	mm	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500	± 55	± 100	± 200	± 300	± 400	± 500
Dims	A1	mm	380	380	380	380	380	380	430	430	430	430	430	430	490	490	490	490	490	490
	A2	mm	450	540	740	940	1140	1340	500	590	790	990	1190	1390	550	640	840	1040	1240	1440
	C1	mm	550	550	550	550	550	550	650	650	650	650	650	650	730	730	730	730	730	730
	C2	mm	480	480	480	480	480	480	560	560	560	560	560	560	630	630	630	630	630	630
	C3	mm	28	28	28	28	28	28	32	32	32	32	32	32	36	36	36	36	36	36
	D1	mm	M36	M36	M36	M36	M36	M36	M42	M42	M42	M42	M42	M42	M48	M48	M48	M48	M48	M48
	D2	mm	41	41	41	41	41	41	48	48	48	48	48	48	54	54	54	54	54	54
	D3	mm	610	610	610	610	610	610	710	710	710	710	710	710	810	810	810	810	810	810
	P1	mm	440	440	440	440	440	440	520	520	520	520	520	520	580	580	580	580	580	580
	P2	mm	370	370	370	370	370	370	430	430	430	430	430	430	480	480	480	480	480	480
	H1	mm	141	141	141	141	141	141	168	168	168	168	168	168	177	177	177	177	177	177
	H2	mm	169	169	169	169	169	169	200	200	200	200	200	200	213	213	213	213	213	213

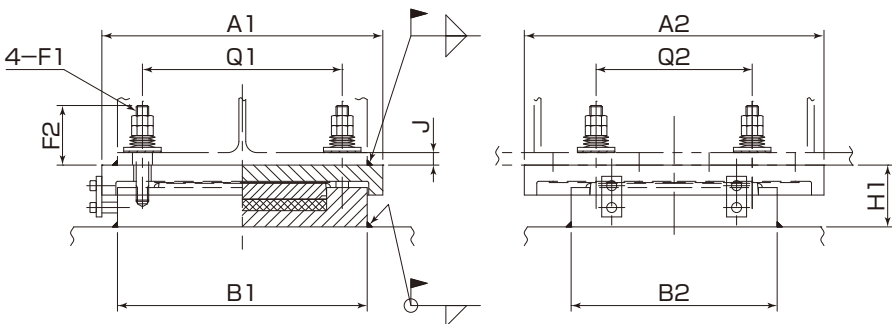
*1: "***" in each bearing model indicates movement distance. For the notation of bearing models, refer to page 2.

No.4802-ASS-UM

Vertical load (long term) for 100 to 500 kN



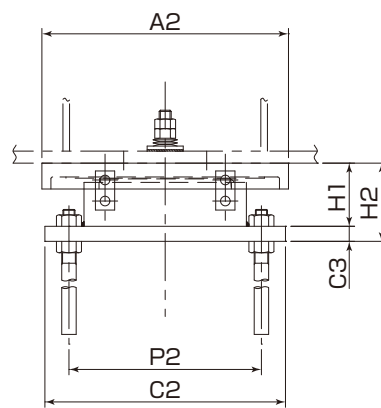
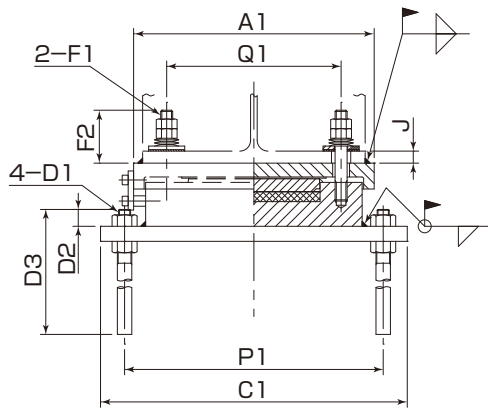
Vertical load (long term) for 750 and 1,000 kN



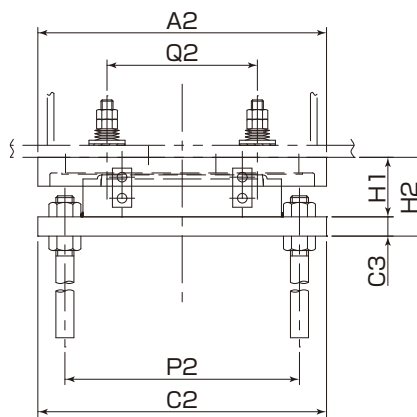
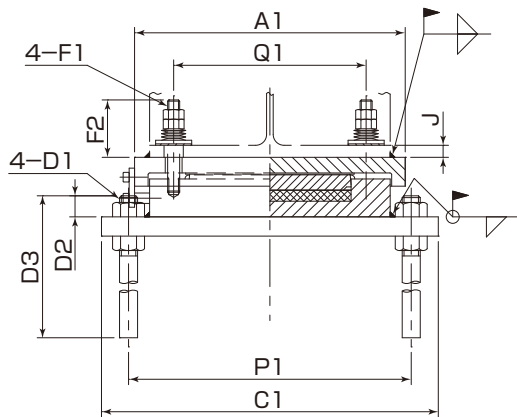
Bearing model			ASS-UM010N055	ASS-UM020N055	ASS-UM030N055	ASS-UM040N055	ASS-UM050N055	ASS-UM075N055	ASS-UM100N055
Ver. load (long term)	kN(tonf)		100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)	kN(tonf)		20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Uplift load (short term)	kN(tonf)		20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Movement distance	One direction	mm	± 55	± 55	± 55	± 55	± 55	± 55	± 55
Dims	A1	mm	230	270	310	380	400	450	500
	A2	mm	260	300	340	370	410	480	530
	B1	mm	200	240	270	340	360	400	440
	B2	mm	130	170	210	240	270	330	380
	F1	mm	M16	M16	M16	M20	M20	M20	M20
	F2	mm	72	76	82	97	97	105	117
	H1	mm	61	62	71	79	85	99	118
	Q1	mm	150	190	220	270	290	320	360
	Q2	mm	—	—	—	—	—	250	300
	J	Applicable thickness of top steel frame	mm	19 or less	19 or less	22 or less	25 or less	25 or less	28 or less

No.4802-ASC-UM

Vertical load (long term) for 100 to 500 kN

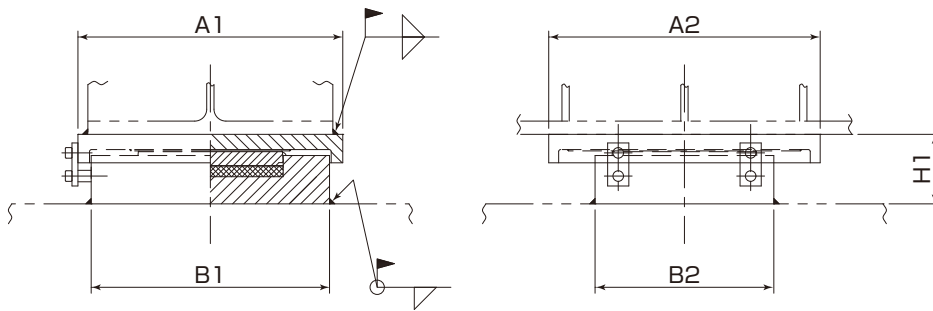


Vertical load (long term) for 750 and 1,000 kN



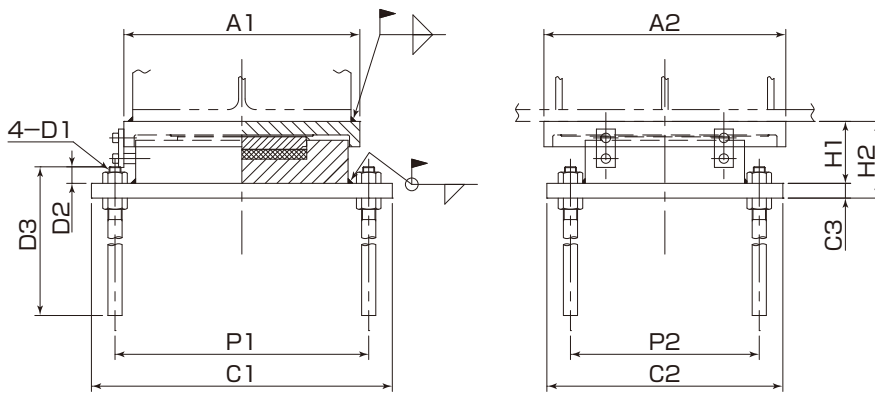
Bearing model		ASC-UM010N055	ASC-UM020N055	ASC-UM030N055	ASC-UM040N055	ASC-UM050N055	ASC-UM075N055	ASC-UM100N055
Ver. load (long term)	kN(tonf)	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)	kN(tonf)	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Uplift load (short term)	kN(tonf)	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Movement distance	One direction	mm	± 55	± 55	± 55	± 55	± 55	± 55
Dims	A1	mm	230	270	310	380	400	500
	A2	mm	260	300	340	370	410	530
	C1	mm	300	340	390	460	510	640
	C2	mm	220	260	320	340	400	570
	C3	mm	12	16	19	22	25	36
	D1	mm	M16	M16	M20	M20	M24	M36
	D2	mm	19	19	24	24	28	41
	D3	mm	280	280	350	380	420	620
	F1	mm	M16	M16	M16	M20	M20	M20
	F2	mm	72	76	82	97	97	117
	H1	mm	66	77	86	99	105	138
	H2	mm	78	93	105	121	130	174
	P1	mm	250	290	330	400	430	530
	P2	mm	170	210	260	280	320	460
	Q1	mm	150	190	220	270	290	360
	Q2	mm	—	—	—	—	250	300
	J	mm	19 or less	19 or less	22 or less	25 or less	25 or less	36 or less

No.4802-ASS-RM



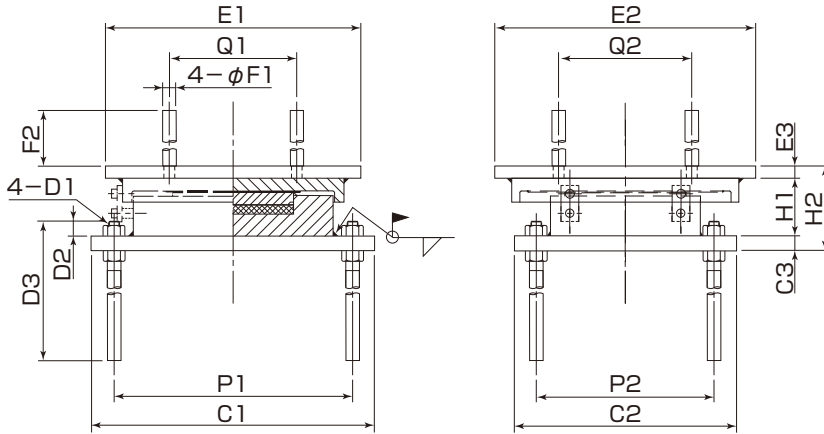
Bearing model		ASS-RM010N055	ASS-RM020N055	ASS-RM030N055	ASS-RM040N055	ASS-RM050N055	ASS-RM075N055	ASS-RM100N055
Ver. load (long term)	kN(tonf)	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)	kN(tonf)	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Movement distance	One direction mm	± 55	± 55	± 55	± 55	± 55	± 55	± 55
Dims	A1	mm	230	270	310	380	450	500
	A2	mm	260	300	340	370	410	530
	B1	mm	200	240	270	340	400	440
	B2	mm	130	170	210	240	330	380
	H1	mm	61	62	71	79	85	118

No.4802-ASC-RM



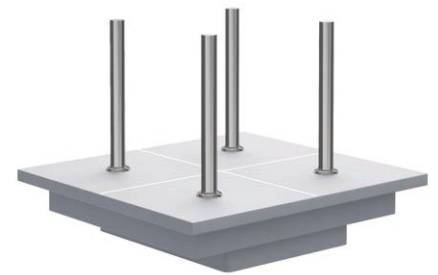
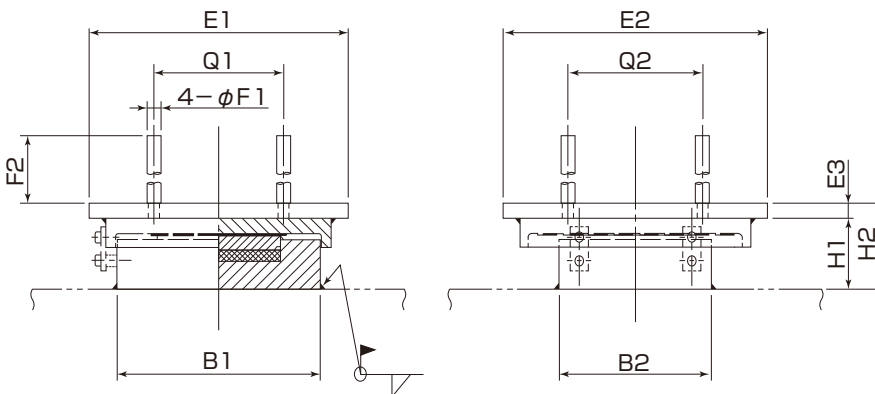
Bearing model		ASC-RM010N055	ASC-RM020N055	ASC-RM030N055	ASC-RM040N055	ASC-RM050N055	ASC-RM075N055	ASC-RM100N055
Ver. load (long term)	kN(tonf)	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)	kN(tonf)	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Movement distance	One direction mm	± 55	± 55	± 55	± 55	± 55	± 55	± 55
Dims	A1	mm	230	270	310	380	450	500
	A2	mm	260	300	340	370	410	530
	C1	mm	300	340	390	460	510	640
	C2	mm	220	260	320	340	400	570
	C3	mm	12	16	19	22	25	36
	D1	mm	M16	M16	M20	M20	M24	M30
	D2	mm	19	19	24	24	28	41
	D3	mm	280	280	350	350	420	620
	H1	mm	66	77	86	99	105	138
	H2	mm	78	93	105	121	130	174
	P1	mm	250	290	330	400	430	530
	P2	mm	170	210	260	280	320	460

No.4802-ACC-RM



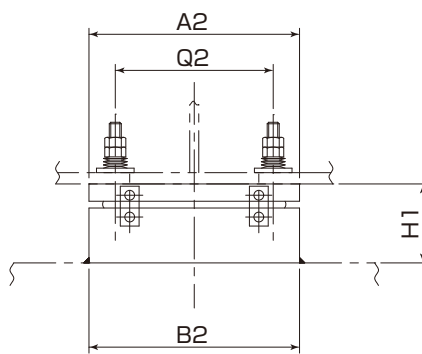
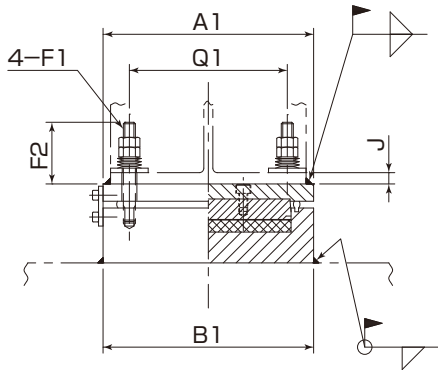
Bearing model			ACC-RM010N055	ACC-RM020N055	ACC-RM030N055	ACC-RM040N055	ACC-RM050N055	ACC-RM075N055	ACC-RM100N055
Ver. load (long term)		kN {tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)		kN {tonf}	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Movement distance	One direction	mm	± 55	± 55	± 55	± 55	± 55	± 55	± 55
Dims	C1	mm	300	340	390	460	510	560	640
	C2	mm	220	260	320	340	400	480	570
	C3	mm	12	16	19	22	25	32	36
	D1	mm	M16	M16	M20	M20	M24	M30	M36
	D2	mm	19	19	24	24	28	35	41
	D3	mm	280	280	350	350	420	520	620
	E1	mm	290	330	370	440	460	510	560
	E2	mm	320	360	400	430	470	540	590
	E3	mm	9	16	16	16	22	28	28
	F1	mm	16	16	20	20	24	30	36
	F2	mm	160	160	200	200	240	300	360
	H1	mm	66	77	86	99	105	119	138
	H2	mm	87	109	121	137	152	179	202
	P1	mm	250	290	330	400	430	470	530
	P2	mm	170	210	260	280	320	390	460
	Q1	mm	150	170	190	220	230	260	280
	Q2	mm	160	180	200	220	240	270	300

No.4802-ACS-RM



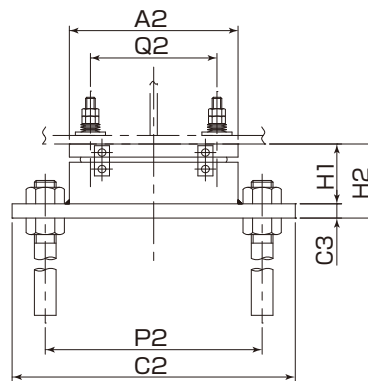
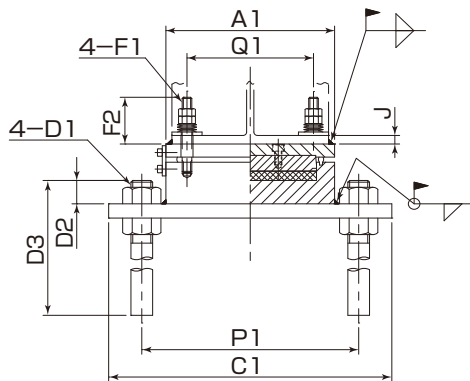
Bearing model			ACS-RM010N055	ACS-RM020N055	ACS-RM030N055	ACS-RM040N055	ACS-RM050N055	ACS-RM075N055	ACS-RM100N055
Ver. load (long term)		kN {tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)		kN {tonf}	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Movement distance	One direction	mm	± 55	± 55	± 55	± 55	± 55	± 55	± 55
Dims	B1	mm	200	240	270	340	360	400	440
	B2	mm	130	170	210	240	270	330	380
	E1	mm	290	330	370	440	460	510	560
	E2	mm	320	360	400	430	470	540	590
	E3	mm	9	16	16	16	22	28	28
	F1	mm	16	16	20	20	24	30	36
	F2	mm	160	160	200	200	240	300	360
	H1	mm	61	62	71	79	85	99	118
	H2	mm	70	78	87	95	107	127	146
	Q1	mm	150	170	190	220	230	260	280
Q2	mm	160	180	200	220	240	270	300	

No.4802-ASS-UP



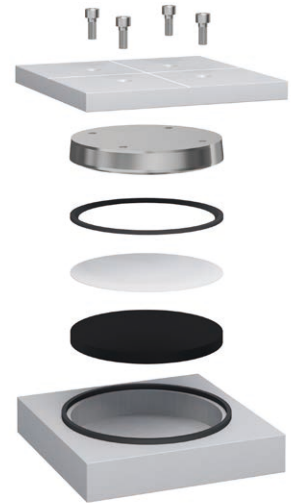
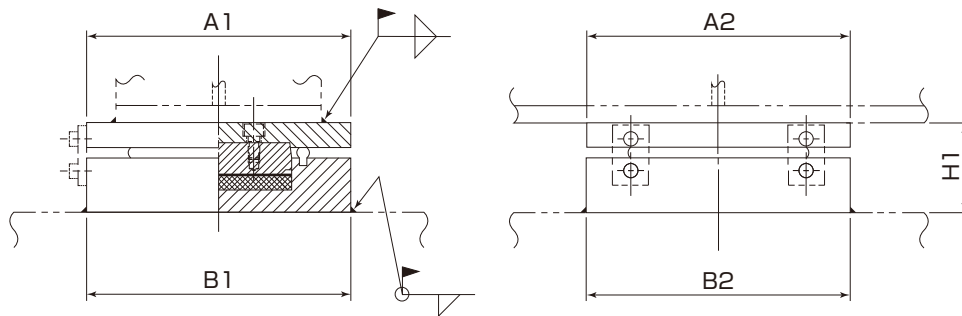
Bearing model			ASS-UP010N	ASS-UP020N	ASS-UP030N	ASS-UP040N	ASS-UP050N	ASS-UP075N	ASS-UP100N	
Ver. load (long term)			kN {tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)			kN {tonf}	40 {4}	80 {8}	120 {12}	160 {16}	200 {20}	300 {30}	400 {40}
Uplift load (short term)			kN {tonf}	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Dims	A1	mm	180	210	230	260	280	340	400	
	A2	mm	180	210	230	260	280	340	400	
	B1	mm	180	210	230	260	280	340	400	
	B2	mm	180	210	230	260	280	340	400	
	F1	mm	M16	M16	M16	M16	M16	M20	M20	
	F2	mm	72	76	79	79	82	98	114	
	H1	mm	61	62	71	79	85	99	118	
	Q1	mm	110	140	160	190	200	250	310	
	Q2	mm	110	140	160	190	200	250	310	
J Applicable thickness of top steel frame		mm	19 or less	19 or less	22 or less	25 or less	25 or less	28 or less	36 or less	

No.4802-ASC-UP



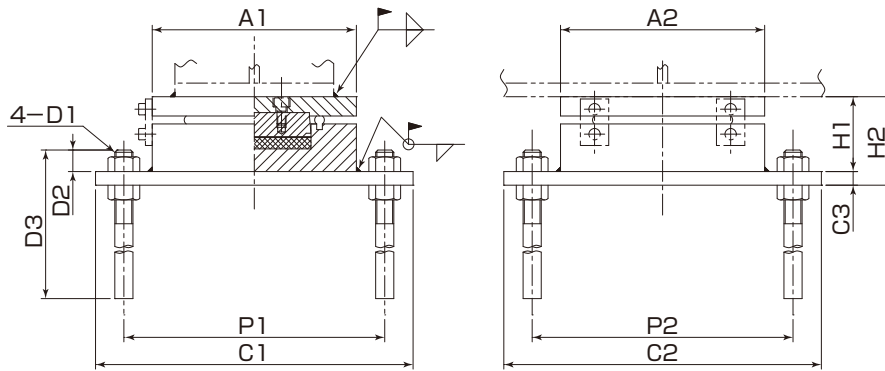
Bearing model			ASC-UP010N	ASC-UP020N	ASC-UP030N	ASC-UP040N	ASC-UP050N	ASC-UP075N	ASC-UP100N
Ver. load (long term)		kN {tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)		kN {tonf}	40 {4}	80 {8}	120 {12}	160 {16}	200 {20}	300 {30}	400 {40}
Uplift load (short term)		kN {tonf}	20 {2}	40 {4}	60 {6}	80 {8}	100 {10}	150 {15}	200 {20}
Dims	A1	mm	180	210	230	260	280	340	400
	A2	mm	180	210	230	260	280	340	400
	C1	mm	280	320	370	420	470	560	660
	C2	mm	280	320	370	420	470	560	660
	C3	mm	12	16	19	22	25	32	36
	D1	mm	M16	M20	M24	M30	M36	M42	M48
	D2	mm	19	24	28	35	41	48	53
	D3	mm	280	340	410	510	610	710	810
	F1	mm	M16	M16	M16	M16	M16	M20	M20
	F2	mm	72	76	79	79	82	98	114
	H1	mm	66	77	86	99	105	119	138
	H2	mm	78	93	105	121	130	151	174
	P1	mm	230	260	290	330	360	430	510
	P2	mm	230	260	290	330	360	430	510
	Q1	mm	110	140	160	190	200	250	310
	Q2	mm	110	140	160	190	200	250	310
	J Applicable thickness of top steel frame	mm	19 or less	19 or less	22 or less	25 or less	25 or less	28 or less	36 or less

No.4802-ASS-FP



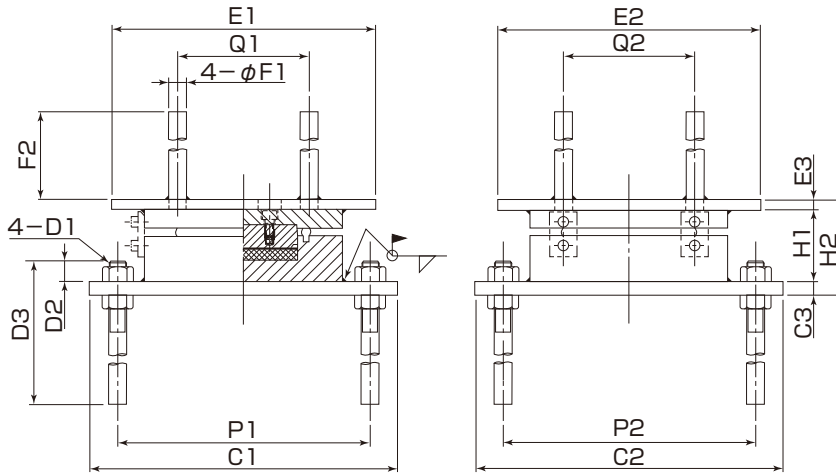
Bearing model			ASS-FP010N	ASS-FP020N	ASS-FP030N	ASS-FP040N	ASS-FP050N	ASS-FP075N	ASS-FP100N
Ver. load (long term)		kN{tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)		kN{tonf}	40 {4}	80 {8}	120 {12}	160 {16}	200 {20}	300 {30}	400 {40}
Dims	A1	mm	180	210	230	260	280	340	400
	A2	mm	180	210	230	260	280	340	400
	B1	mm	180	210	230	260	280	340	400
	B2	mm	180	210	230	260	280	340	400
	H1	mm	61	62	71	79	85	99	118

No.4802-ASC-FP



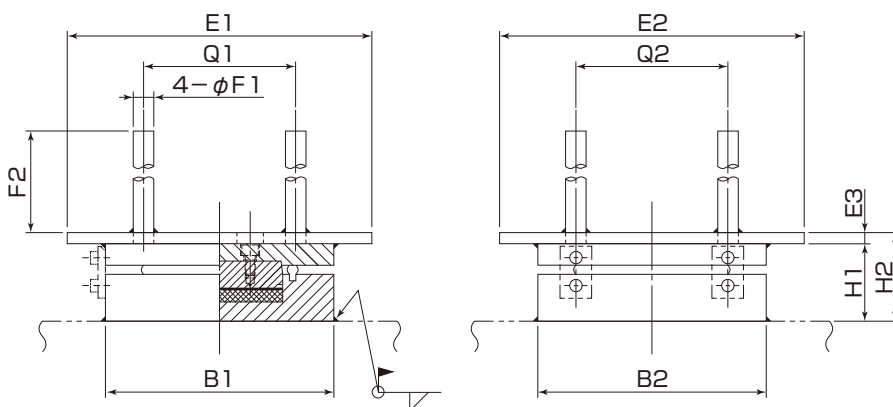
Bearing model			ASC-FP010N	ASC-FP020N	ASC-FP030N	ASC-FP040N	ASC-FP050N	ASC-FP075N	ASC-FP100N
Ver. load (long term)		kN{tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)		kN{tonf}	40 {4}	80 {8}	120 {12}	160 {16}	200 {20}	300 {30}	400 {40}
Dims	A1	mm	180	210	230	260	280	340	400
	A2	mm	180	210	230	260	280	340	400
	C1	mm	280	320	370	420	470	560	660
	C2	mm	280	320	370	420	470	560	660
	C3	mm	12	16	19	22	25	32	36
	D1	mm	M16	M20	M24	M30	M36	M42	M48
	D2	mm	19	24	28	35	41	48	53
	D3	mm	280	340	410	510	610	710	810
	H1	mm	66	77	86	99	105	119	138
	H2	mm	78	93	105	121	130	151	174
	P1	mm	230	260	290	330	360	430	510
	P2	mm	230	260	290	330	360	430	510

No.4802-ACC-FP



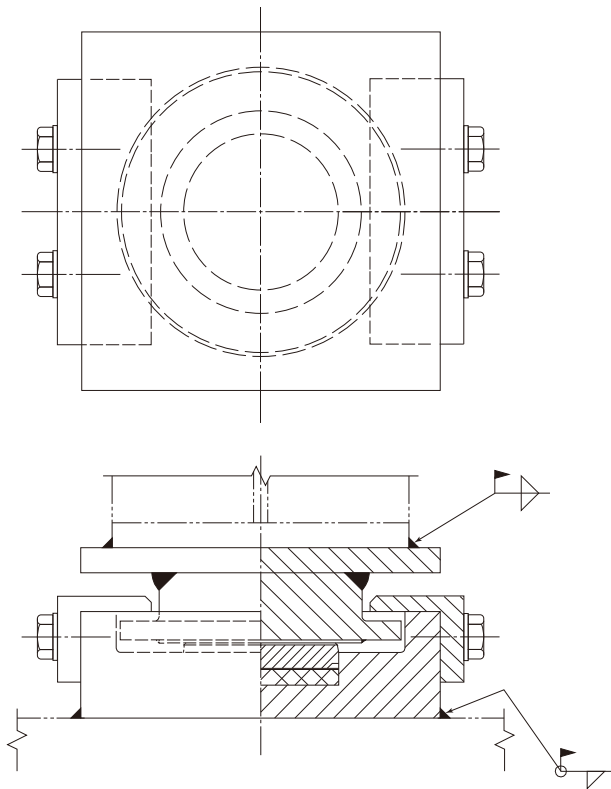
Bearing model			ACC-FP010N	ACC-FP020N	ACC-FP030N	ACC-FP040N	ACC-FP050N	ACC-FP075N	ACC-FP100N
Ver. load (long term)		kN {tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)		kN {tonf}	40 {4}	80 {8}	120 {12}	160 {16}	200 {20}	300 {30}	400 {40}
Dims	C1	mm	280	320	370	420	470	560	660
	C2	mm	280	320	370	420	470	560	660
	C3	mm	12	16	19	22	25	32	36
	D1	mm	M16	M20	M24	M30	M36	M42	M48
	D2	mm	19	24	28	35	41	48	53
	D3	mm	280	340	410	510	610	710	810
	E1	mm	240	270	290	320	340	400	460
	E2	mm	240	270	290	320	340	400	460
	E3	mm	9	16	16	16	22	28	28
	F1	mm	16	20	24	30	36	42	48
	F2	mm	160	200	240	300	360	420	480
	H1	mm	66	77	86	99	105	119	138
	H2	mm	87	109	121	137	152	179	202
	P1	mm	230	260	290	330	360	430	510
	P2	mm	230	260	290	330	360	430	510
	Q1	mm	120	140	150	160	170	200	230
	Q2	mm	120	140	150	160	170	200	230

No.4802-ACS-FP



Bearing model			ACS-FP010N	ACS-FP020N	ACS-FP030N	ACS-FP040N	ACS-FP050N	ACS-FP075N	ACS-FP100N	
Ver. load (long term)			kN {tonf}	100 {10}	200 {20}	300 {30}	400 {40}	500 {50}	750 {75}	1000 {100}
Hor. load (short term)			kN {tonf}	40 {4}	80 {8}	120 {12}	160 {16}	200 {20}	300 {30}	400 {40}
Dims	B1	mm	180	210	230	260	280	340	400	
	B2	mm	180	210	230	260	280	340	400	
	E1	mm	240	270	290	320	340	400	460	
	E2	mm	240	270	290	320	340	400	460	
	E3	mm	9	16	16	16	22	28	28	
	F1	mm	16	20	24	30	36	42	48	
	F2	mm	160	200	240	300	360	420	480	
	H1	mm	61	62	71	79	85	99	118	
	H2	mm	70	78	87	95	107	127	146	
	Q1	mm	120	140	150	160	170	200	230	
Q2	mm	120	140	150	160	170	200	230		

No.4802-ASS-US

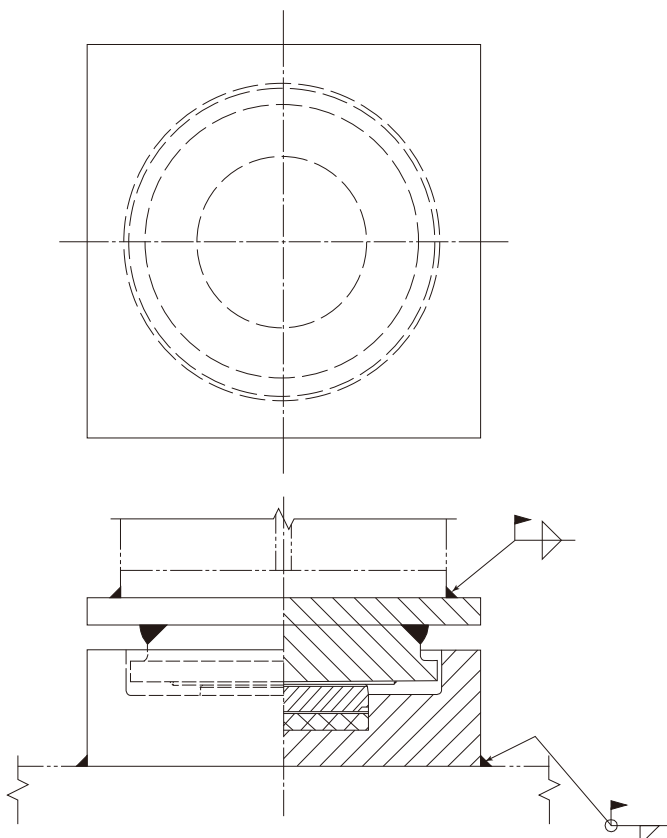


US types are designed individually.
For details, please contact us separately.

We also provide the following models.

- No.4802-ASC-US
- No.4802-ACC-US
- No.4802-ACS-US

No.4802-ASS-FS



FS types are designed individually.
For details, please contact us separately.

We also provide the following models.

- No.4802-ASC-FS
- No.4802-ACC-FS
- No.4802-ACS-FS

■ Example of installation procedure (Top: S construction, Bottom: RC construction)

1. Style of packing for bearing (See Figure 1)

Before each bearing is shipped, temporary securing brackets and eyebolts are mounted, centerlines are marked on the top surface of the bearing, and the bearing model is marked on the centerline. The bearing is packed in a wooden crate or on a pallet.

2. Transport and storage

- ① Store the bearing indoors wherever possible and prevent rain and dust from falling directly onto the bearing. If the bearing is stored outdoors, fully cover the bearing with a plastic sheet or similar material.
- ② Because moisture causes rust, store the bearing away from the ground using a temporary table or in another similar way.
- ⚠ ③ Do not put one bearing on top of another.
- ⚠ ④ When transporting or moving the bearing, use the eyebolts provided. If slinging work is performed without using eyebolts, hoist the bottom of the bearing.
- ⚠ ⑤ When transporting or storing the bearing, take care not to deform or damage the bearing by allowing it to hit against another object and fall down, for example.
- ⚠ ⑥ Before and after transporting the bearing, check the temporary securing state. If the bolts on the temporary securing brackets are loose, retighten them.



Caution

- The bearing is a heavy object. When handling the bearing, please pay enough attention to safety.

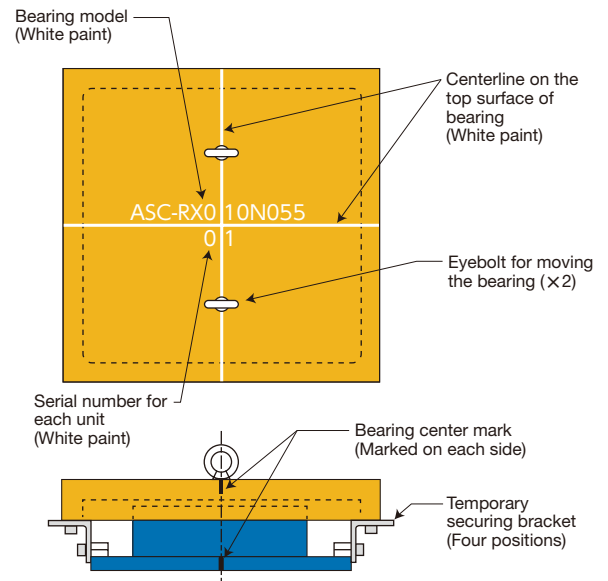


Figure 1: Style of packing for bearing (for bearing body alone)

3. Installing the bearing

3-1. Preparation for installation

- ① Check the bearing model marked on the bearing, as well as the number of bearings.
- ② Check the temporary securing state of the bearing. If the bolts on the temporary securing brackets are loose, retighten them.
- ③ Determine the installation position of the lower structure of the bearing by measuring and marking the installation position.
- ④ Determine the installation position of the upper structure of the bearing by marking the installation position.

3-2. Mounting the anchor bolts (See Figure 2)

- ① Mount the anchor bolts according to the marked position. Before doing this, adjust the rebars arranged on the lower structure so that they do not interfere with the anchor bolts.
- ② Using gauge plates or other similar materials (to be prepared onsite), mount each anchor bolt precisely according to the marked position.
- ③ Secure the anchor bolts and gauge plates with the main or auxiliary rebars inside the formwork. In this case, take care not to move the position of each anchor bolt when casting or compacting concrete.
- ④ Conduct a final check to make sure that the anchor bolts are secured properly before casting the concrete.

Check items

- (a) Anchor bolt position on a plane
- (b) Perpendicularity of anchor bolt
- (c) Anchor bolt height from top surface of concrete
- (d) Gauge plate height position
- (e) Levelness of gauge plate
- (f) Secured states of anchor bolts and gauge plates

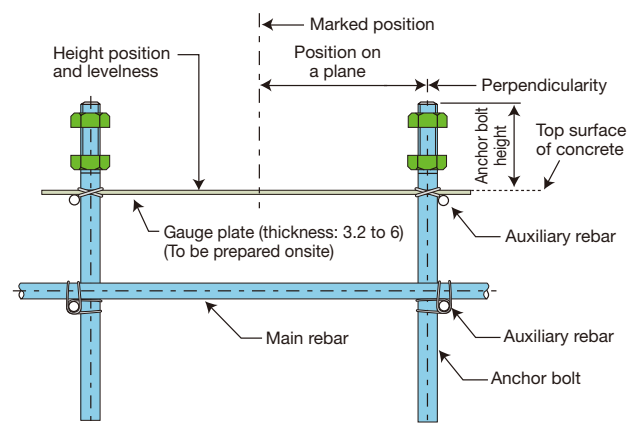


Figure 2: Mounting the anchor bolts

3-3. Installing the masonry plate (See Figure 3)

After concrete casting and curing are completed, install the masonry plate.

- Secure the masonry plate at the specified level (top surface of concrete + height of non-shrink mortar). When doing this, adjust the height position and levelness using the lower nut of the anchor bolt.

* The relative angle of the top structure and bottom structure of the bearing must be no more than 2°. (Max. allowable rotational angle of bearing within a vertical plane: 2°)

- Conduct a final check to make sure that the masonry plate is secured properly. Inject non-shrink mortar into the gap between the masonry plate and the underlying concrete.

Check items

- Height position of the top surface of masonry plate
- Levelness of the top surface of masonry plate
- Nut tightening status

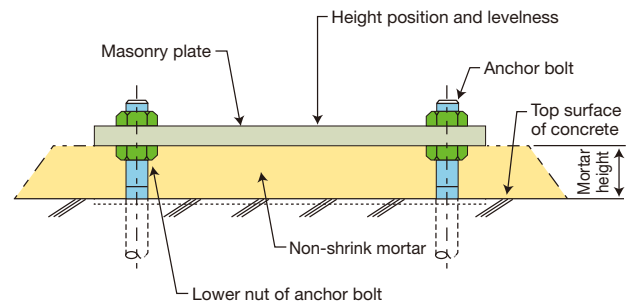


Figure 3: Installing the masonry plate

3-4. Installing the bearing body by welding (See Figure 4)

After completing casting and curing of non-shrink mortar, install the bearing body.

- Clean the bearing installation surfaces (top surface of masonry plate, top and bottom surfaces of bearing body, and top structure installation surface).
- Align the central position of the masonry plate with the central position of the bearing body, temporarily install the bearing body, and then perform full welding so that the leg length matches that specified in the drawing.
- If the temporary securing brackets interfere with full welding work, temporarily remove the brackets and restore them after welding work is finished.
- Install the top structure on the top surface of the bearing, align the centerline on the top surface of the bearing with the center of the bearing installation position on the top structure, and temporarily install the bearing body. From here, perform full welding so that the leg length matches that specified in the drawing.

Check items

- Bearing installation position
- Welding work status
- Restored temporary securing brackets

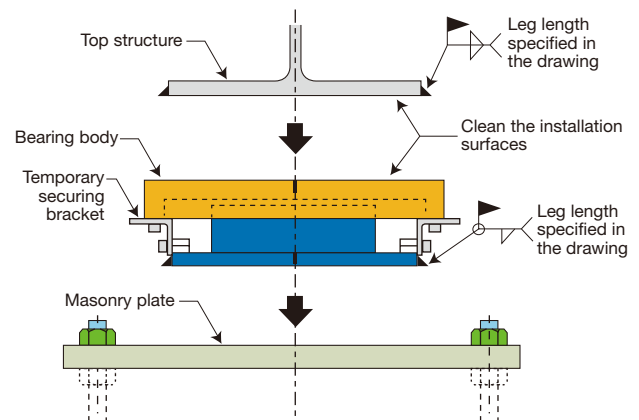


Figure 4: Installing the bearing body by welding

4. Removing the temporary securing brackets

When it is not a problem anymore even if the fulcrum on which the bearing is installed becomes movable during erection work, remove the temporary securing brackets from the bearing. (A spanner for hexagon socket head bolts is included in the package. Spanners for hexagon head bolts must be prepared onsite.)

5. Paint refinishing

This bearing is finish-coated before shipping. However, paint refinishing must be performed on parts installed by welding or on any portions where paint coatings became damaged during installation work.

6. Checking the installation status

Check the items below before finishing bearing installation work.

Check items

- Has the bearing been installed as shown in the design diagram?
- Have the temporary securing brackets been removed?
- Are the nuts on the anchor bolts tight?
- Has paint refinishing been performed?
- Are there any problems such as cracks, water buildup, or dust buildup on the underlying concrete and non-shrink mortar?
- Are there any obstacles or the like in the movable clearance?



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**Safety
precaution**

- When using this product, please use correctly and pay sufficient attention to safety.

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* The values shown on this catalog are reference values, not guaranteed values.