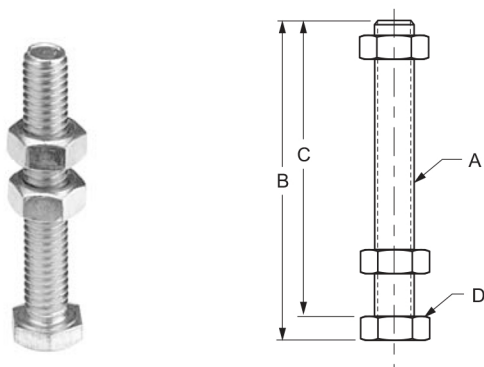


ACCESSORIES

The hex head spindle assembly is for heavy duty applications. A replaceable slip-on neoprene cap can be added to the hex head to give it a cushion surface.



HEX HEAD SPINDLE ASSEMBLY - METRIC					
P/N	DIMENSIONS				
	A	B	C	D	
832203-M	M4	21	18.5	6	
407203-M	M4	27	24	6	
420125-M	M6	54	50	10	
518136-M	M8	30	25	12	
518125-M	M8	35	30	12	
518203-M	M8	50	45	12	
518205-M	M8	55	50	12	
518207-M	M8	70	65	12	
316125-M	M10	39	33	14	
316203-M	M10	77	71	14	
113203-M	M12	68	60	19	

STAINLESS STEEL HEX HEAD SPINDLE ASSEMBLY - METRIC					
P/N	DIMENSIONS				
	A	B	C	D	
832203-2SM	M4	23	20	6	
508203-2SM	M5	28.7	25	8	
420136-2SM	M6	44	40	10	
518205-2SM	M8	55.6	50	12	

HEX HEAD SPINDLE ASSEMBLY - INCH					
P/N	DIMENSIONS				MOD/N
	A	B	C	D	
832203	#8-32 (NYLON)	.81	.69	.25	AHH150, AHH250, ASL10, ASL10-2S, ASL07
423203	1/4-20	1.91	1.75	.44	-
420125	1/4-20	2.13	2.00	.44	ANO38B(S), ANO38S(S)
425203	1/4-20	3.16	3.00	.44	-
518136	5/16-18	1.19	1.00	.50	ASA350, ANO51, ASL241-B, ASL251-B
518125	5/16-18	1.44	1.25	.50	ASA255-2
518203	5/16-18	2.00	1.75	.50	ASA250
518205	5/16-18	2.72	2.50	.50	ANO42A, ANO42K, ANO42P, ANO42S, ANO38B(L), ANO38S(L)
316125	3/8-16	1.50	1.25	.56	ASA455-2
316203	3/8-16	3.00	2.75	.56	ASA550
319203	3/8-16	4.25	4.00	.56	-
320203	3/8-16	5.25	5.00	.56	-
113203	1/2-13	2.69	2.38	.75	ASA2

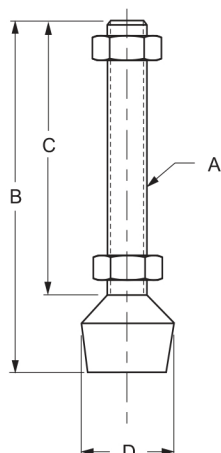
STAINLESS STEEL HEX HEAD SPINDLE ASSEMBLY - INCH					
P/N	DIMENSIONS				MOD/N
	A	B	C	D	
508208-2S	10-32	1.12	1.00	.31	AHH300-2S
420136-2S	1/4-20	1.63	1.50	.44	AHH350-2S, AHH400-2S
518205-2S	5/16-18	2.22	2.00	.50	AHV450-2S, AHV455-22, ANO42A-2S, ANO42K-2S



316220: Spindle for ASA550-BS

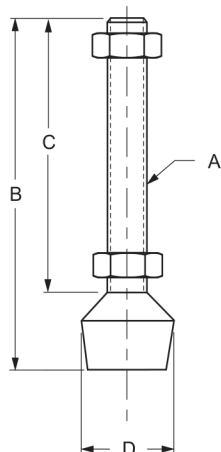


500220: Bomb Sight for ASA550-BS



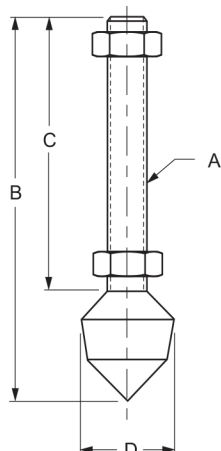
FLAT TIPPED SPINDLE ASSEMBLY - INCH

P/N	DIMENSIONS				
	A	B	C	D	MOD/N
417208	8-32	1.00	.63	.56	-
833208	8-32	1.25	.88	.56	-
508208	10-32	1.34	1.00	.56	AHH300, AHV200
421208	1/4-20	1.00	.63	.66	-
422209	1/4-20	1.50	1.13	.66	-
422208	1/4-20	1.63	1.13	.66	-
420208	1/4-20	1.94	1.36	.66	AHH350, AHH350-S, AHH400, AHV250, AHV250-U, AAC250
825208	5/16-18	1.73	1.38	.66	HV300
518208	5/16-18	2.50	1.81	.75	AHH450, AHH450-RL, AHH500, AHV350, AHV450, AAC350, AAC450, AUF450, ASF450, AHV450-F, ANO82, ANO82-S, AAC353-L, AAC453-L, AAC82
520208	5/16-18	3.00	2.25	.75	-
105208	3/8-16	2.64	2.13	.87	AHV400
316208	3/8-16	3.25	2.25	.90	AHH550, AHH600, AHV550, AHV650, AAC550, AAC650, AHH550-RL
317208	3/8-16	3.50	2.50	.88	-
318208	3/8-16	5.75	4.75	.88	-
116208	1/2-13	4.00	2.69	1.13	-
511208	5/8-11	5.00	3.63	1.38	-



FLAT TIPPED SPINDLE ASSEMBLY - METRIC

P/N	DIMENSIONS			
	A	B	C	D
833208-M	M4	31.75	25.40	14.20
508208-M	M5	34.00	24.40	14.20
422208-M	M6	43.90	31.75	16.80
420208-M	M6	55.60	42.10	16.80
518208-M	M8	65.60	46.45	19.00
508208-M	M8	77.70	58.70	19.00
316208-M	M10	83.50	58.10	22.35
318208-M	M10	149.40	124.00	22.35
417208-M	M4	21.80	14.70	14.20
825208-M	M8	44.00	35.00	16.80
105208-M	M10	67.00	54.00	22.00

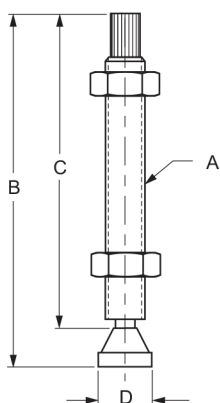


CONE TIPPED BONDED SPINDLE ASSEMBLY - INCH

P/N	DIMENSIONS			
	A	B	C	D
509210	10-32	1.44	1.00	.56
420210	1/4-20	2.13	1.50	.75
520210	5/16-18	2.94	2.25	.75
521210	5/16-18	5.38	4.69	.75
316210	3/8-16	2.88	2.00	.88
317210	3/8-16	3.44	2.56	.88

ACCESSORIES

The swivel pad spindle assembly has a large flat contact surface. The floating pad can swivel 12 degrees in each direction to accommodate an unlevel surface.

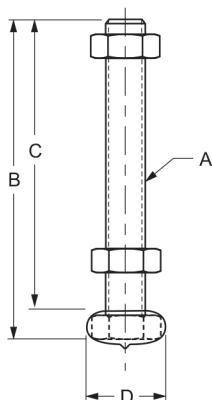


SWIVEL FOOT SPINDLE ASSEMBLY - INCH

P/N	DIMENSIONS				
	A	B	C	D	MOD/N
420206	1/4-20	2.38	2.00	.50	-
518234	5/16-18	2.73	2.34	.55	-
518206	5/16-18	2.75	2.32	.56	-
316206	3/8-16	3.13	2.66	.63	ASA450, ASA550
317206	3/8-16	3.38	2.95	.63	-
113206	1/2-13	4.63	4.07	1.00	-

SWIVEL FOOT SPINDLE ASSEMBLY - METRIC

P/N	DIMENSIONS			
	A	B	C	D
316206-M	M10	77.60	65.60	16



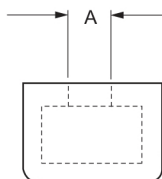
VINYL COATED HEX-HEAD SPINDLE ASSEMBLY - INCH

P/N	DIMENSIONS				
	A	B	C	D	MOD/N
832208	8-32	1.19	.94	.34	AHV150
430208	1/4-20	1.53	1.19	.56	ASA150
431208	1/4-20	1.22	.88	.56	ASA155-2

VINYL COATED HEX-HEAD SPINDLE ASSEMBLY - METRIC

P/N	DIMENSIONS			
	A	B	C	D
832208-M	M4	30	23.0	8.5
430208-M	M6	35	28.4	14.0
431208-M	M10	31	22.0	16.0

These are Neoprene slip-on caps for hex head spindles. Large contact area.



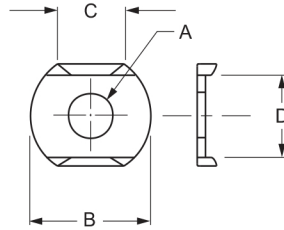
NEOPRENE CAPS FPR HEX HEAD SPINDLES

P/N	DIMENSIONS	
	A	
420209	1/4	
332209	5/16	
316209	3/8	

SPECIAL NEOPRENE CAPS FOR PLAIN SPINDLE

P/N	DIMENSIONS	
	A	
608209	11/32	
708209	7/32	

Two washers are supplied with U-bar type toggle clamps.

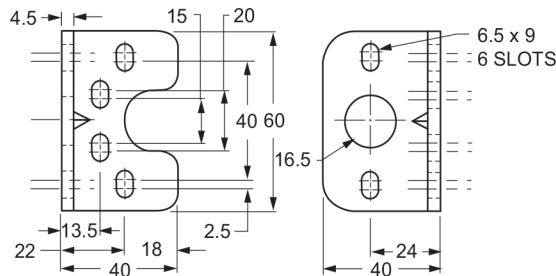


FLANGED WASHERS - STAINLESS STEEL

P/N	DIMENSIONS				
	A	B	C	D	
832106-2S	#8	.44	.19	.38	AHH250-2S
832111-2S	#8	.56	.19	.38	AHV150-2S
508107-2S	#10	.56	.22	.44	AHV200-2S, AHH300-2S
420111-2S	1/4	.69	.25	.50	AHV250-U2B, AAC250-2S
420105-2S	1/4	.72	.28	.47	AHH350-2S, AHH400-2S, AHH401-B2S
420106-2S	1/4	.81	.25	.61	ANO38B(S)-2S, ANO38S(S)-2S
518105-2S	5/16	.64	.33	.69	ANO42A-2S, ANO42-2S KANO42P-2S, ANO42S-2S
518107-2S	5/16	.88	.33	.63	AHH450-2S, AHH500-2S, AHV450-2S, ANO82-2S, AUF450-2S, AAC450-2S, AAC453-L2S, AHV300-2S

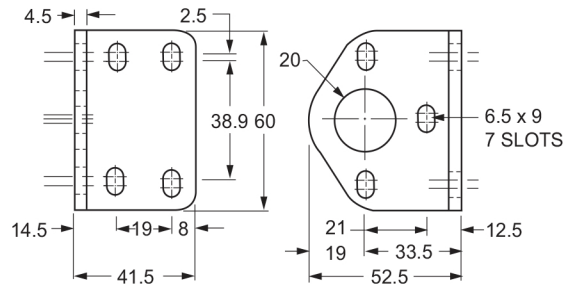
FLANGED WASHERS

P/N	DIMENSIONS				
	A	B	C	D	MOD/N
832106	#8	.44	.19	.38	AHH250
832111	#8	.56	.19	.38	AHV150
508107	#10	.56	.22	.44	AHV200, AHH300
420111	1/4	.69	.25	.50	AHV250-U, AAC250
420105	1/4	.72	.28	.47	AHH350, AHH400, AHH401-B
420106	1/4	.81	.25	.61	ANO38B(S), ANO38S(S)
518105	5/16	.64	.33	.69	ANO42A, ANO42K, ANO42P, ANO42S
518107	5/16	.88	.33	.63	AHH450, AHH450-RL, AHH500, AHV450, ANO82AUF450, AHV450-F, AAC450, AAC453-L, AHV300
518111	5/16	1.00	.34	.78	ANO38B(L), ANO38S(S)
316106	3/8	1.03	.41	.83	AHH550, AHH550-RL, AHV650, AAC650, AHH600, AHV400
113106	1/2	1.25	.53	.94	AHV850
511106	5/8	1.44	.69	1.13	AHV1050



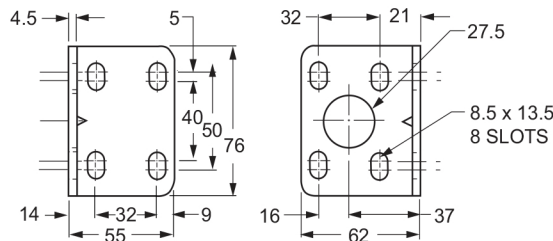
OPTIONAL MOUNTING PLATE

P/N	TYPE
500005	OPTIONAL MOUNTING PLATE FOR AFM50



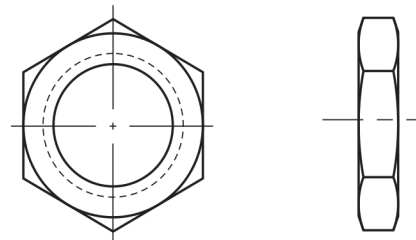
OPTIONAL MOUNTING PLATE

P/N	TYPE
150005	OPTIONAL MOUNTING PLATE FOR AFM150, AFM150-1



OPTIONAL MOUNTING PLATE

P/N	TYPE
250005	OPTIONAL MOUNTING PLATE FOR AFM250

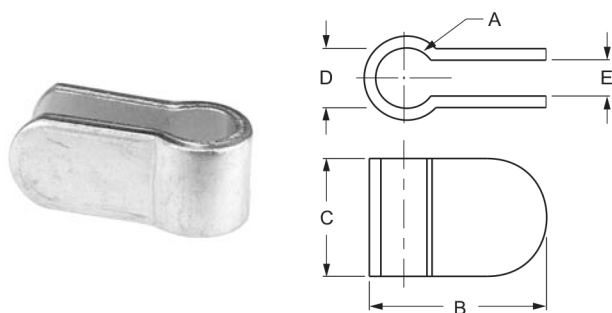


JAM NUTS

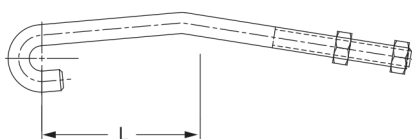
P/N	DIMENSIONS
	MOD/N
500006	AFM50
150006	AFM150
150106	AFM150-1
250006	AFM250

ACCESSORIES

One bolt retainer supplied with solid bar type toggle clamp.



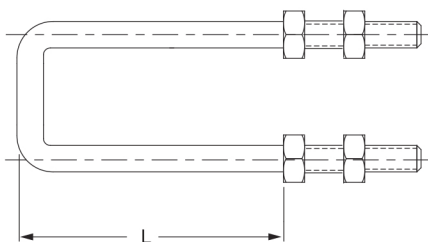
BOLT RETAINER					
P/N	DIMENSIONS				
	A	B	C	D	E
420000	1/4	1.25	.50	.16	.28
518000	5/16	1.30	.63	.25	.33
316000	3/8	1.84	.75	.33	.53
113000	1/2	1.50	.88	.36	.56
511000	5/8	1.72	1.25	.36	.64



J HOOK - INCH	
P/N	DIMENSIONS
	MOD/N
120002	APA50
518002	APA250
316002	APA270
113002	APA350

OPTIONAL J HOOK - METRIC					
P/N	DIMENSIONS				
	L	P/N	L	P/N	L
81-315A	25mm	81-315B	50mm	81-315C	100mm
81-3151A	25mm	81-3151B	50mm	81-3151C	100mm
81-3152A	25mm	81-3152B	50mm	81-3152C	100mm
81-3153A	25mm	81-3153B	50mm	81-3153C	100mm
81-3154A	25mm	81-3154B	50mm	81-3154C	100mm

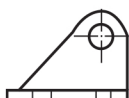
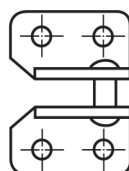
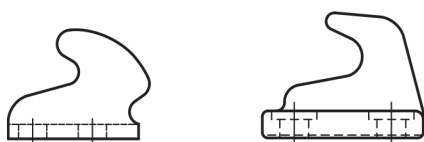
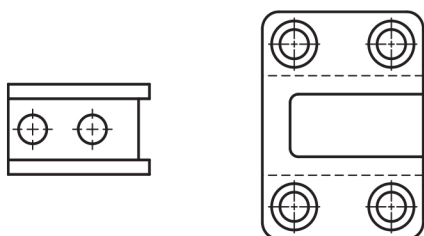
J HOOK - INCH - STAINLESS STEEL	
P/N	DIMENSIONS
	MOD/N
120002-2S	APA50-2S
518002-2S	APA250-2S
316002-2S	APA270-2S
113002-2S	APA350-2S



ADJUSTABLE U-BOLT ASSEMBLIES			
P/N	DIMENSIONS		
	MOD/N	P/N	MOD/N
455003	AFA100	314503	AFA600, AFA601-B
480003	AFA130	114503	AFA700
576003	AFA200	485003	AFA102, AFA140
611003	AFA230	611303	AFA202, AFA240
811303	AFA300	612703	AFA202 - 5"
815103	AFA330	815003	AFA302, AFA340

OPTIONAL ADJUSTABLE U-BOLT ASSEMBLIES - METRIC					
P/N	DIMENSIONS				
	L	P/N	L	P/N	L
82-001A	25mm	82-001B	50mm	82-001C	100mm
82-002A	25mm	82-002B	50mm	82-002C	100mm
82-003A	25mm	82-003B	50mm	82-003C	100mm
82-004A	25mm	82-004B	50mm	82-004C	100mm
82-005A	25mm	82-005B	50mm	82-005C	100mm
82-006A	25mm	82-006B	50mm	82-006C	100mm
82-007A	25mm	82-007B	50mm	82-007C	100mm
82-008A	25mm	82-008B	50mm	82-008C	100mm

ADJUSTABLE U-BOLT ASSEMBLIES STAINLESS STEEL			
P/N	DIMENSIONS		
	MOD/N	P/N	MOD/N
455003-2S	AFA100-2S	815103-2S	AFA330-2S
480003-2S	AFA130-2S	485003-2S	AFA102-2S, AFA140-2S
576003-2S	AFA200-2S	611303-2S	AFA202-2S, AFA240-2S
611003-2S	AFA230-2S	815003-2S	AFA302-2S, AFA340-2S
811303-2S	AFA300-2S		



U-BOLT LATCH PLATES

P/N	DIMENSIONS		
	MOD/N	P/N	MOD/N
100001	AFA100	601001	AFA601-B
130001	AFA130	102001	AFA102, AFA140
200001	AFA200	202001	AFA202, AFA240
230001	AFA230	302001	AFA302, AFA340
300001	AFA300	600001	AFA600, AFA700
330001	AFA330		

STAINLESS STEEL U-BOLT LATCH PLATES

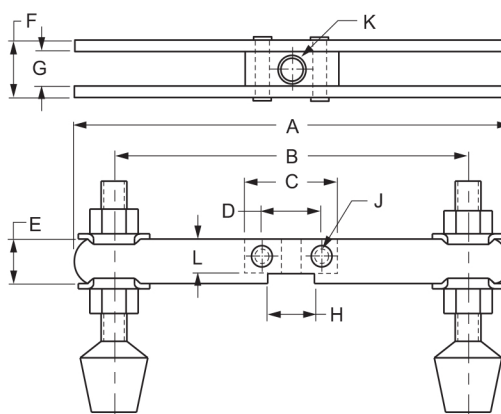
P/N	DIMENSIONS		
	MOD/N	P/N	MOD/N
100001-2S	AFA100-2S	300001-2S	AFA300-2S
130001-2S	AFA130-2S	601001-2S	AFA601-B2S
200001-2S	AFA200-2S	102001-2S	AFA102-2S, AFA140-2S
230001-2S	AFA230-2S	202001-2S	AFA202-2S, AFA240-2S

J-HOOK LATCH PLATES

P/N	DIMENSIONS		
	MOD/N	P/N	MOD/N
500001	APA50	270001	APA270
250001	APA250	350000	APA350

STAINLESS STEEL J-HOOK LATCH PLATES

P/N	DIMENSIONS		
	MOD/N	P/N	MOD/N
500001-2S	APA50-2S	250001-2S	APA250-2S



CROSSED BARS

P/N	DIMENSIONS											MOD/N
	A	B	C	D	E	F	G	H	J	K	L	
450004	4.92	3.94	1.02	.70	.47	.63	.38	.64	.16	M8	.35	AHH450, AHV450, AUF450, AN082
650004	6.30	5.12	1.34	.87	.63	.81	.49	.83	.20	M10	.47	AHH600, AHH550, AHV650