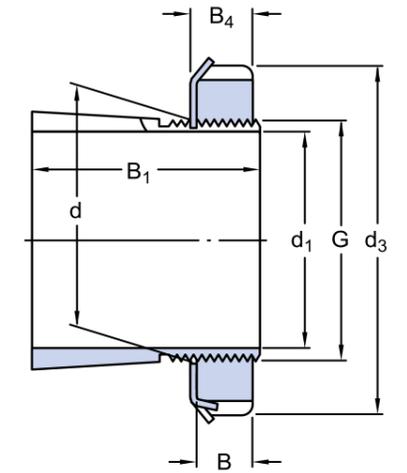
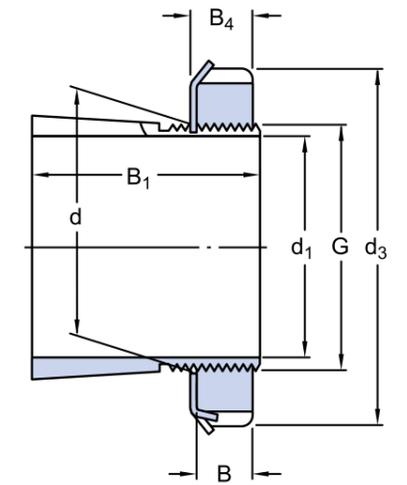


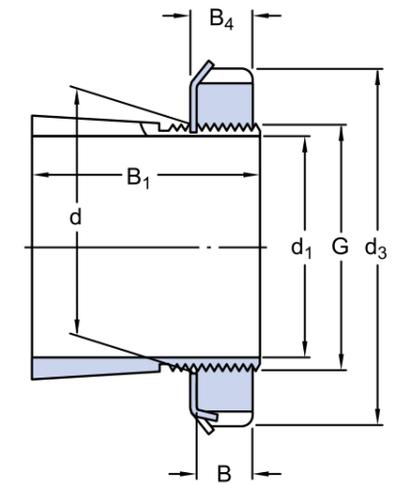
Designations	Principal dimensions				Designations			
	Adapter sleeve assembly				Adapter sleeve assembly	Included lock nut	Included locking device	Associated hydraulic nut
	d1[mm]	d[mm]	d3[mm]	B1[mm]				
 op den velde INDUSTRIE								
H 204	17	20	32	24	H 204	KM 4	MB 4	
H 304	17	20	32	28	H 304	KM 4	MB 4	
H 304 E	17	20	38	28	H 304 E	KMFE 4		
H 205	20	25	38	26	H 205	KM 5	MB 5	
H 305	20	25	38	29	H 305	KM 5	MB 5	
H 305 E	20	25	38	29	H 305 E	KMFE 5		
H 2305	20	25	38	35	H 2305	KM 5	MB 5	
H 206	25	30	45	27	H 206	KM 6	MB 6	
H 306	25	30	45	31	H 306	KM 6	MB 6	
H 306 E	25	30	45	31	H 306 E	KMFE 6		
H 2306	25	30	45	38	H 2306	KM 6	MB 6	
H 207	30	35	52	29	H 207	KM 7	MB 7	
H 307	30	35	52	35	H 307	KM 7	MB 7	
H 307 E	30	35	52	35	H 307 E	KMFE 7		
H 307 EL	30	35	52	35	H 307 EL	KMFE 7 L		
H 2307	30	35	52	43	H 2307	KM 7	MB 7	
H 208	35	40	58	31	H 208	KM 8	MB 8	
H 308	35	40	58	36	H 308	KM 8	MB 8	
H 308 E	35	40	58	36	H 308 E	KMFE 8		
H 2308	35	40	58	46	H 2308	KM 8	MB 8	
H 2308 E	35	40	58	46	H 2308 E	KMFE 8		
H 209	40	45	65	33	H 209	KM 9	MB 9	
H 309	40	45	65	39	H 309	KM 9	MB 9	
H 309 E	40	45	65	39	H 309 E	KMFE 9		
H 2309	40	45	65	50	H 2309	KM 9	MB 9	
H 210	45	50	70	35	H 210	KM 10	MB 10	HMV 10E
H 310	45	50	70	42	H 310	KM 10	MB 10	HMV 10E
H 310 E	45	50	70	42	H 310 E	KMFE 10		HMV 10E
H 2310	45	50	70	55	H 2310	KM 10	MB 10	HMV 10E
H 211	50	55	75	37	H 211	KM 11	MB 11	HMV 11E
H 311	50	55	75	45	H 311	KM 11	MB 11	HMV 11E
H 311 E	50	55	75	45	H 311 E	KMFE 11		HMV 11E
H 2311	50	55	75	59	H 2311	KM 11	MB 11	HMV 11E
H 212	55	60	80	38	H 212	KM 12	MB 12	HMV 12E
H 312	55	60	80	47	H 312	KM 12	MB 12	HMV 12E
H 312 E	55	60	80	47	H 312 E	KMFE 12		HMV 12E
H 2312	55	60	80	62	H 2312	KM 12	MB 12	HMV 12E



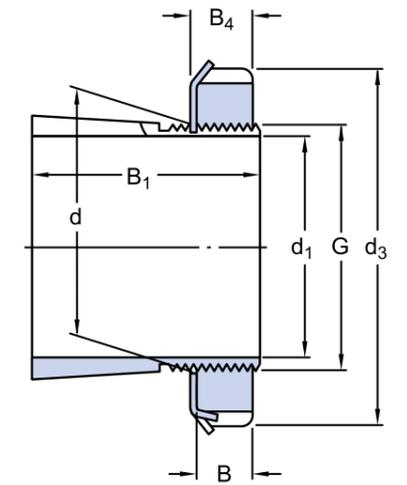
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H 313	60	65	85	50	H 313	KM 13		MB 13		HMV 13 E
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H 2313	60	65	85	65	H 2313	KM 13		MB 13		HMV 13 E
H 2313 E	60	65	85	65	H 2313 E		KMFE 13			HMV 13 E
H 314	60	70	92	52	H 314	KM 14		MB 14		HMV 14 E
H 314 E	60	70	92	52	H 314 E		KMFE 14			HMV 14 E
H 2314	60	70	92	68	H 2314	KM 14		MB 14		HMV 14 E
H 215	65	75	98	43	H 215	KM 15		MB 15		HMV 15E
H 315	65	75	98	55	H 315	KM 15		MB 15		HMV 15 E
H 315 E	65	75	98	55	H 315 E		KMFE 15			HMV 15 E
H 2315	65	75	98	73	H 2315	KM 15		MB 15		HMV 15 E
H 216	70	80	105	46	H 216	KM 16		MB 16		HMV 16E
H 316	70	80	105	59	H 316	KM 16		MB 16		HMV 16 E
H 316 E	70	80	105	59	H 316 E		KMFE 16			HMV 16 E
H 2316	70	80	105	78	H 2316	KM 16		MB 16		HMV 16 E
H 217	75	85	110	50	H 217	KM 17		MB 17		HMV 17E
H 317	75	85	110	63	H 317	KM 17		MB 17		HMV 17 E
H 317 E	75	85	110	63	H 317 E		KMFE 17			HMV 17 E
H 2317	75	85	110	82	H 2317	KM 17		MB 17		HMV 17 E
H 218	80	90	120	52	H 218	KM 18		MB 18		HMV 18E
H 318	80	90	120	65	H 318	KM 18		MB 18		HMV 18 E
H 318 E	80	90	120	65	H 318 E		KMFE 18			HMV 18 E
H 2318 E/L73	80	90	120	73	H 2318 E/L73		KMFE 18			HMV 18 E
H 2318	80	90	120	86	H 2318	KM 18		MB 18		HMV 18 E
H 219	85	95	125	55	H 219	KM 19		MB 19		HMV 19E
H 319	85	95	125	68	H 319	KM 19		MB 19		HMV 19 E
H 319 E	85	95	125	68	H 319 E		KMFE 19			HMV 19 E
H 2319	85	95	125	90	H 2319	KM 19		MB 19		HMV 19 E
H 2319 EL	85	95	125	90	H 2319 EL		KMFE 19 L			HMV 19 E
H 220	90	100	130	58	H 220	KM 20		MB 20		HMV 20E
H 320	90	100	130	71	H 320	KM 20		MB 20		HMV 20 E
H 320 E	90	100	130	71	H 320 E		KMFE 20			HMV 20 E
H 3120	90	100	130	76	H 3120	KM 20		MB 20		HMV 20 E
H 3120 E	90	100	130	76	H 3120 E		KMFE 20			HMV 20 E
H 2320	90	100	130	97	H 2320	KM 20		MB 20		HMV 20 E
H 2320 E	90	100	130	97	H 2320 E		KMFE 20			HMV 20 E
H 222	100	110	145	63	H 222	KM 22		MB 22		HMV 22E
H 322	100	110	145	77	H 322	KM 22		MB 22		HMV 22 E
H 322 E	100	110	145	77	H 322 E		KMFE 22			HMV 22 E
H 3122	100	110	145	81	H 3122	KM 22		MB 22		HMV 22 E
H 3122 E	100	110	145	81	H 3122 E		KMFE 22			HMV 22 E
H 2322	100	110	145	105	H 2322	KM 22		MB 22		HMV 22 E
H 2322 E	100	110	145	105	H 2322 E		KMFE 22			HMV 22 E
H 3024	110	120	145	72	H 3024	KML 24		MBL 24		HMV 24 E
H 3124 L	110	120	145	88	H 3124 L	KML 24		MBL 24		HMV 24 E
H 2324 L	110	120	145	112	H 2324 L		KML 24		MBL 24	HMV 24 E
H 3024 E	110	120	155	72	H 3024 E		KMFE 24			HMV 24 E
H 3124	110	120	155	88	H 3124	KM 24		MB 24		HMV 24 E
H 2324	110	120	155	112	H 2324	KM 24		MB 24		HMV 24 E
H 2324 E	110	120	155	112	H 2324 E		KMFE 24			HMV 24 E
H 2324 EH	110	120	155	112	H 2324 EH		KMFE 24 H			HMV 24 E
H 3026	115	130	155	80	H 3026	KML 26		MBL 26		HMV 26 E



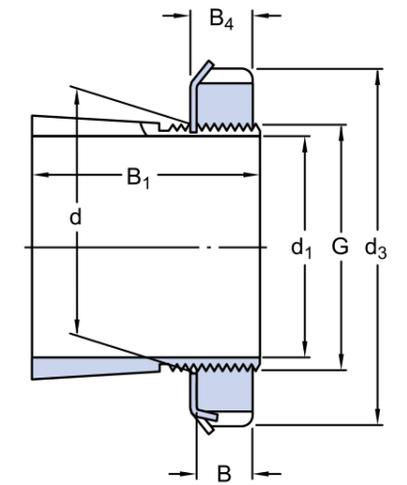
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H 2326 L	115	130	155	121	H 2326 L		KML 26		MBL 26	HMV 26 E
H 3026 E	115	130	165	80	H 3026 E		KMFE 26			HMV 26 E
H 3126	115	130	165	92	H 3126	KM 26		MB 26		HMV 26 E
H 2326	115	130	165	121	H 2326	KM 26		MB 26		HMV 26 E
H 3028	125	140	165	82	H 3028	KML 28		MBL 28		HMV 28 E
H 3128 L	125	140	165	97	H 3128 L	KML 28		MBL 28		HMV 28 E
H 3028 E	125	140	180	82	H 3028 E		KMFE 28			HMV 28 E
H 3128	125	140	180	97	H 3128	KM 28		MB 28		HMV 28 E
H 2328	125	140	180	131	H 2328	KM 28		MB 28		HMV 28 E
H 3030	135	150	180	87	H 3030	KML 30		MBL 30		HMV 30 E
H 3130 L	135	150	180	111	H 3130 L	KML 30		MBL 30		HMV 30 E
H 2330 L	135	150	180	139	H 2330 L		KML 30		MBL 30	HMV 30 E
H 3030 E	135	150	195	87	H 3030 E		KMFE 30			HMV 30 E
H 3130	135	150	195	111	H 3130	KM 30		MB 30		HMV 30 E
H 3130 E	135	150	195	111	H 3130 E		KMFE 30			HMV 30 E
H 2330	135	150	195	139	H 2330	KM 30		MB 30		HMV 30 E
H 3032	140	160	190	93	H 3032	KML 32		MBL 32		HMV 32 E
H 3132 L	140	160	190	119	H 3132 L	KML 32		MBL 32		HMV 32 E
H 2332 L	140	160	190	147	H 2332 L		KML 32		MBL 32	HMV 32 E
H 3032 E	140	160	210	93	H 3032 E		KMFE 32			HMV 32 E
H 3132	140	160	210	119	H 3132	KM 32		MB 32		HMV 32 E
H 3132 E	140	160	210	119	H 3132 E		KMFE 32			HMV 32 E
H 2332	140	160	210	147	H 2332	KM 32		MB 32		HMV 32 E
H 3034	150	170	200	101	H 3034	KML 34		MBL 34		HMV 34 E
H 3134 L	150	170	200	122	H 3134 L	KML 34		MBL 34		HMV 34 E
H 3034 E	150	170	220	101	H 3034 E		KMFE 34			HMV 34 E
H 3134	150	170	220	122	H 3134	KM 34		MB 34		HMV 34 E
H 3134 E	150	170	220	122	H 3134 E		KMFE 34			HMV 34 E
H 2334	150	170	220	154	H 2334	KM 34		MB 34		HMV 34 E
H 3936	160	180	210	87	H 3936		KML 36		MBL 36	HMV 36 E
H 3036	160	180	210	109	H 3036	KML 36		MBL 36		HMV 36 E
H 3136 L	160	180	210	131	H 3136 L	KML 36		MBL 36		HMV 36 E
H 3036 E	160	180	230	109	H 3036 E		KMFE 36			HMV 36 E
H 3136	160	180	230	131	H 3136	KM 36		MB 36		HMV 36 E
H 2336	160	180	230	161	H 2336	KM 36		MB 36		HMV 36 E
H 3938	170	190	220	89	H 3938		KML 38		MBL 38	HMV 38 E
H 3038	170	190	220	112	H 3038	KML 38		MBL 38		HMV 38 E
H 3138	170	190	240	141	H 3138	KM 38		MB 38		HMV 38 E
H 2338	170	190	240	169	H 2338	KM 38		MB 38		HMV 38 E
H 3940	180	200	240	98	H 3940		KML 40		MBL 40	HMV 40 E
H 3040	180	200	240	120	H 3040	KML 40		MBL 40		HMV 40 E
H 2340 L	180	200	240	176	H 2340 L		KML 40		MBL 40	HMV 40 E
H 3140	180	200	250	150	H 3140	KM 40		MB 40		HMV 40 E
H 2340	180	200	250	176	H 2340	KM 40		MB 40		HMV 40 E
OH 3944 H	200	220	260	96	OH 3944 H		HM 3044		MS 3044	HMV 44E
OH 3044 H	200	220	260	126	OH 3044 H		HM 3044		MS 3044	HMV 44E
OH 3144 HTL	200	220	260	161	OH 3144 HTL		HM 3044		MS 3044	HMV 44E
OH 3144 H	200	220	280	161	OH 3144 H		HM 44 T		MB 44	HMV 44E
OH 2344 H	200	220	280	186	OH 2344 H		HM 44 T		MB 44	HMV 44E
OH 3948 H	220	240	290	101	OH 3948 H		HM 3048		MS 3052-48	HMV 48E
OH 3048 H	220	240	290	133	OH 3048 H		HM 3048		MS 3052-48	HMV 48E
OH 3048 HE	220	240	290	133	OH 3048 HE		HME 3048		MS 3052-48	HMV 48E



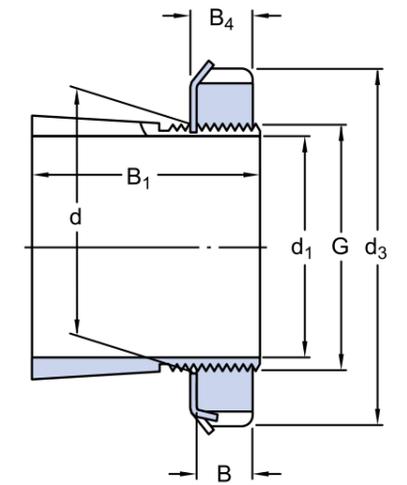
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OH 3148 H	220	240	300	172	OH 3148 H	HM 48 T	MB 48	HMV 48E
OH 2348 H	220	240	300	199	OH 2348 H	HM 48 T	MB 48	HMV 48E
OH 3952 H	240	260	310	116	OH 3952 H	HM 3052	MS 3052-48	HMV 52E
OH 3052 H	240	260	310	145	OH 3052 H	HM 3052	MS 3052-48	HMV 52E
OH 3052 HE	240	260	310	145	OH 3052 HE	HME 3052	MS 3052-48	HMV 52E
OH 3152 HTL	240	260	310	190	OH 3152 HTL	HM 3052	MS 3052-48	HMV 52E
OH 3152 H	240	260	330	190	OH 3152 H	HM 52 T	MB 52	HMV 52E
OH 2352 H	240	260	330	211	OH 2352 H	HM 52 T	MB 52	HMV 52E
OH 3956 H	260	280	330	121	OH 3956 H	HM 3056	MS 3056	HMV 56E
OH 3056 H	260	280	330	152	OH 3056 H	HM 3056	MS 3056	HMV 56E
OH 3156 HTL	260	280	330	195	OH 3156 HTL	HM 3056	MS 3056	HMV 56E
OH 3156 H	260	280	350	195	OH 3156 H	HM 56 T	MB 56	HMV 56E
OH 2356 H	260	280	350	224	OH 2356 H	HM 56 T	MB 56	HMV 56E
OH 3960 H	280	300	360	140	OH 3960 H	HM 3060	MS 3060	HMV 60E
OH 3060 H	280	300	360	168	OH 3060 H	HM 3060	MS 3060	HMV 60E
OH 3160 H	280	300	380	208	OH 3160 H	HM 3160	MS 3160	HMV 60E
OH 3160 HE	280	300	380	208	OH 3160 HE	HME 3160	MS 3160	HMV 60E
OH 3260 H	280	300	380	240	OH 3260 H	HM 3160	MS 3160	HMV 60E
OH 3964 H	300	320	380	140	OH 3964 H	HM 3064	MS 3068-64	HMV 64E
OH 3064 H	300	320	380	171	OH 3064 H	HM 3064	MS 3068-64	HMV 64E
OH 3164 H	300	320	400	226	OH 3164 H	HM 3164	MS 3164	HMV 64E
OH 3264 H	300	320	400	258	OH 3264 H	HM 3164	MS 3164	HMV 64E
OH 3968 H	320	340	400	144	OH 3968 H	HM 3068	MS 3068-64	HMV 68E
OH 3068 H	320	340	400	187	OH 3068 H	HM 3068	MS 3068-64	HMV 68E
OH 3168 H	320	340	440	254	OH 3168 H	HM 3168	MS 3172-68	HMV 68E
OH 3168 HE	320	340	440	254	OH 3168 HE	HME 3168	MS 3172-68	HMV 68E
OH 3268 H	320	340	440	288	OH 3268 H	HM 3168	MS 3172-68	HMV 68E
OH 3972 H	340	360	420	144	OH 3972 H	HM 3072	MS 3072	HMV 72E
OH 3972 HE	340	360	420	144	OH 3972 HE	HME 3072	MS 3072	HMV 72E
OH 3072 H	340	360	420	188	OH 3072 H	HM 3072	MS 3072	HMV 72E
OH 3172 H	340	360	460	259	OH 3172 H	HM 3172	MS 3172-68	HMV 72E
OH 3172 HE	340	360	460	259	OH 3172 HE	HME 3172	MS 3172-68	HMV 72E
OH 3272 H	340	360	460	299	OH 3272 H	HM 3172	MS 3172-68	HMV 72E
OH 3976 H	360	380	450	164	OH 3976 H	HM 3076	MS 3080-76	HMV 76E
OH 3976 HE	360	380	450	164	OH 3976 HE	HME 3076	MS 3080-76	HMV 76E
OH 3076 H	360	380	450	193	OH 3076 H	HM 3076	MS 3080-76	HMV 76E
OH 3176 H	360	380	490	264	OH 3176 H	HM 3176	MS 3176	HMV 76E
OH 3176 HE	360	380	490	264	OH 3176 HE	HME 3176	MS 3176	HMV 76E
OH 3276 H	360	380	490	310	OH 3276 H	HM 3176	MS 3176	HMV 76E
OH 3980 H	380	400	470	168	OH 3980 H	HM 3080	MS 3080-76	HMV 80E
OH 3980 HE	380	400	470	168	OH 3980 HE	HME 3080	MS 3080-76	HMV 80E
OH 3080 H	380	400	470	210	OH 3080 H	HM 3080	MS 3080-76	HMV 80E
OH 3180 H	380	400	520	272	OH 3180 H	HM 3180	MS 3184-80	HMV 80E
OH 3180 HE	380	400	520	272	OH 3180 HE	HME 3180	MS 3184-80	HMV 80E
OH 3280 H	380	400	520	328	OH 3280 H	HM 3180	MS 3184-80	HMV 80E
OH 3984 H	400	420	490	168	OH 3984 H	HM 3084	MS 3084	HMV 84E
OH 3984 HE	400	420	490	168	OH 3984 HE	HME 3084	MS 3084	HMV 84E
OH 3084 H	400	420	490	212	OH 3084 H	HM 3084	MS 3084	HMV 84E
OH 3184 H	400	420	540	304	OH 3184 H	HM 3184	MS 3184-80	HMV 84E
OH 3284 H	400	420	540	352	OH 3284 H	HM 3184	MS 3184-80	HMV 84E
OH 3988 H	410	440	520	189	OH 3988 H	HM 3088	MS 3092-88	HMV 88E
OH 3988 HE	410	440	520	189	OH 3988 HE	HME 3088	MS 3092-88	HMV 88E



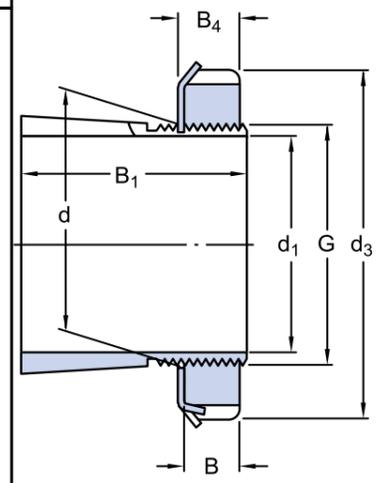
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OH 3188 H	410	440	560	307	OH 3188 H	HM 3188	MS 3192-88	HMV 88E
OH 3188 HE	410	440	560	307	OH 3188 HE	HME 3188	MS 3192-88	HMV 88E
OH 3288 H	410	440	560	361	OH 3288 H	HM 3188	MS 3192-88	HMV 88E
OH 3992 H	430	460	540	189	OH 3992 H	HM 3092	MS 3092-88	HMV 92E
OH 3092 H	430	460	540	234	OH 3092 H	HM 3092	MS 3092-88	HMV 92E
OH 3192 H	430	460	580	326	OH 3192 H	HM 3192	MS 3192-88	HMV 92E
OH 3292 H	430	460	580	382	OH 3292 H	HM 3192	MS 3192-88	HMV 92E
OH 3996 H	450	480	560	200	OH 3996 H	HM 3096	MS 30/500-96	HMV 96E
OH 3996 HE	450	480	560	200	OH 3996 HE	HME 3096	MS 30/500-96	HMV 96E
OH 3096 H	450	480	560	237	OH 3096 H	HM 3096	MS 30/500-96	HMV 96E
OH 3196 H	450	480	620	335	OH 3196 H	HM 3196	MS 3196	HMV 96E
OH 3196 HE	450	480	620	335	OH 3196 HE	HME 3196	MS 3196	HMV 96E
OH 3296 H	450	480	620	397	OH 3296 H	HM 3196	MS 3196	HMV 96E
OH 39/500 H	470	500	580	208	OH 39/500 H	HM 30/500	MS 30/500-96	HMV 100E
OH 39/500 HE	470	500	580	208	OH 39/500 HE	HME 30/500	MS 30/500-96	HMV 100E
OH 30/500 H	470	500	580	247	OH 30/500 H	HM 30/500	MS 30/500-96	HMV 100E
OH 31/500 H	470	500	630	356	OH 31/500 H	HM 31/500	MS 31/500	HMV 100E
OH 32/500 H	470	500	630	428	OH 32/500 H	HM 31/500	MS 31/500	HMV 100E
OH 39/530 HE	500	530	630	216	OH 39/530 HE	HME 30/530	MS 30/600-530	HMV 106E
OH 30/530 H	500	530	630	265	OH 30/530 H	HM 30/530	MS 30/600-530	HMV 106E
OH 31/530 H	500	530	670	364	OH 31/530 H	HM 31/530	MS 31/530	HMV 106E
OH 32/530 H	500	530	670	447	OH 32/530 H	HM 31/530	MS 31/530	HMV 106E
OH 39/560 H	530	560	650	227	OH 39/560 H	HM 30/560	MS 30/560	HMV 112E
OH 39/560 HE	530	560	650	227	OH 39/560 HE	HME 30/560	MS 30/560	HMV 112E
OH 30/560 H	530	560	650	282	OH 30/560 H	HM 30/560	MS 30/560	HMV 112E
OH 31/560 H	530	560	710	377	OH 31/560 H	HM 31/560	MS 31/600-560	HMV 112E
OH 31/560 HE	530	560	710	377	OH 31/560 HE	HME 31/560	MS 31/600-560	HMV 112E
OH 32/560 H	530	560	710	462	OH 32/560 H	HM 31/560	MS 31/600-560	HMV 112E
OH 31/600 HE	530	600	750	377	OH 31/600 HE	HME 31/600	MS 31/600-560	HMV 120E
OH 39/600 H	560	600	700	239	OH 39/600 H	HM 30/600	MS 30/600-530	HMV 120E
OH 39/600 HE	560	600	700	239	OH 39/600 HE	HME 30/600	MS 30/600-530	HMV 120E
OH 30/600 H	560	600	700	289	OH 30/600 H	HM 30/600	MS 30/600-530	HMV 120E
OH 31/600 H	560	600	750	399	OH 31/600 H	HM 31/600	MS 31/600-560	HMV 120E
OH 32/600 H	560	600	750	487	OH 32/600 H	HM 31/600	MS 31/600-560	HMV 120E
OH 39/630 H	600	630	730	254	OH 39/630 H	HM 30/630	MS 30/630	HMV 126E
OH 39/630 HE	600	630	730	254	OH 39/630 HE	HME 30/630	MS 30/630	HMV 126E
OH 30/630 H	600	630	730	301	OH 30/630 H	HM 30/630	MS 30/630	HMV 126E
OH 31/630 H	600	630	800	424	OH 31/630 H	HM 31/630	MS 31/630	HMV 126E
OH 31/630 HE	600	630	800	424	OH 31/630 HE	HME 31/630	MS 31/630	HMV 126E
OH 30/670 H	630	670	780	324	OH 30/670 H	HM 30/670	MS 30/670	HMV 134E
OH 31/670 H	630	670	850	456	OH 31/670 H	HM 31/670	MS 31/670	HMV 134E
OH 31/670 HE	630	670	850	456	OH 31/670 HE	HME 31/670	MS 31/670	HMV 134E
OH 32/670 H	630	670	850	558	OH 32/670 H	HM 31/670	MS 31/670	HMV 134E
OH 39/710 H	670	710	830	286	OH 39/710 H	HM 30/710	MS 30/710	HMV 142E
OH 39/710 HE	670	710	830	286	OH 39/710 HE	HME 30/710	MS 30/710	HMV 142E
OH 30/710 H	670	710	830	342	OH 30/710 H	HM 30/710	MS 30/710	HMV 142E
OH 30/710 HE	670	710	830	342	OH 30/710 HE	HME 30/710	MS 30/710	HMV 142E
OH 31/710 H	670	710	900	467	OH 31/710 H	HM 31/710	MS 31/710	HMV 142E
OH 31/710 HE	670	710	900	467	OH 31/710 HE	HME 31/710	MS 31/710	HMV 142E
OH 32/710 H	670	710	900	572	OH 32/710 H	HM 31/710	MS 31/710	HMV 142E
OH 39/750 H	710	750	870	291	OH 39/750 H	HM 30/750	MS 30/800-750	HMV 150E



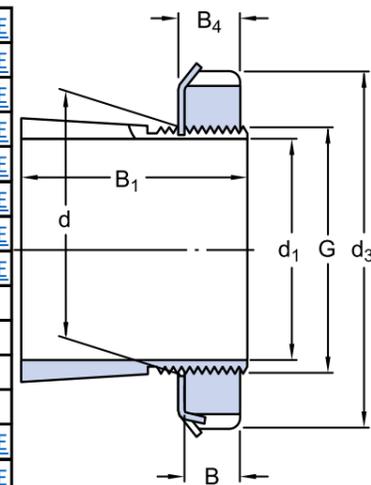
OH 39/750 HE	710	750	870	291	OH 39/750 HE	HME 30/750	MS 30/800-750	HMV 150E
OH 30/750 H	710	750	870	356	OH 30/750 H	HM 30/750	MS 30/800-750	HMV 150E
OH 30/750 HE	710	750	870	356	OH 30/750 HE	HME 30/750	MS 30/800-750	HMV 150E
OH 31/750 H	710	750	950	493	OH 31/750 H	HM 31/750	MS 31/800-750	HMV 150E
OH 31/750 HE	710	750	950	493	OH 31/750 HE	HME 31/750	MS 31/800-750	HMV 150E
OH 32/750 H	710	750	950	603	OH 32/750 H	HM 31/750	MS 31/800-750	HMV 150E
OH 39/800 H	750	800	920	303	OH 39/800 H	HM 30/800	MS 30/800-750	HMV 160E
OH 39/800 HE	750	800	920	303	OH 39/800 HE	HME 30/800	MS 30/800-750	HMV 160E
OH 30/800 H	750	800	920	366	OH 30/800 H	HM 30/800	MS 30/800-750	HMV 160E
OH 30/800 HE	750	800	920	366	OH 30/800 HE	HME 30/800	MS 30/800-750	HMV 160E
OH 31/800 H	750	800	1 000	505	OH 31/800 H	HM 31/800	MS 31/800-750	HMV 160E
OH 31/800 HE	750	800	1 000	505	OH 31/800 HE	HME 31/800	MS 31/800-750	HMV 160E
OH 39/850 H	800	850	980	308	OH 39/850 H	HM 30/850	MS 30/900-850	HMV 170E
OH 39/850 HE	800	850	980	308	OH 39/850 HE	HME 30/850	MS 30/900-850	HMV 170E
OH 30/850 H	800	850	980	380	OH 30/850 H	HM 30/850	MS 30/900-850	HMV 170E
OH 30/850 HE	800	850	980	380	OH 30/850 HE	HME 30/850	MS 30/900-850	HMV 170E
OH 31/850 H	800	850	1 060	536	OH 31/850 H	HM 31/850	MS 31/850	HMV 170E
OH 31/850 HE	800	850	1 060	536	OH 31/850 HE	HME 31/850	MS 31/850	HMV 170E
OH 39/900 H	850	900	1 030	326	OH 39/900 H	HM 30/900	MS 30/900-850	HMV 180E
OH 39/900 HE	850	900	1 030	326	OH 39/900 HE	HME 30/900	MS 30/900-850	HMV 180E
OH 30/900 H	850	900	1 030	400	OH 30/900 H	HM 30/900	MS 30/900-850	HMV 180E
OH 30/900 HE	850	900	1 030	400	OH 30/900 HE	HME 30/900	MS 30/900-850	HMV 180E
OH 31/900 H	850	900	1 120	557	OH 31/900 H	HM 31/900	MS 31/900	HMV 180E
OH 39/950 H	900	950	1 080	344	OH 39/950 H	HM 30/950	MS 30/950	HMV 190E
OH 39/950 HE	900	950	1 080	344	OH 39/950 HE	HME 30/950	MS 30/950	HMV 190E
OH 30/950 H	900	950	1 080	420	OH 30/950 H	HM 30/950	MS 30/950	HMV 190E
OH 30/950 HE	900	950	1 080	420	OH 30/950 HE	HME 30/950	MS 30/950	HMV 190E
OH 31/950 H	900	950	1 170	583	OH 31/950 H	HM 31/950	MS 31/950	HMV 190E
OH 39/1000 H	950	1 000	1 140	358	OH 39/1000 H	HM 30/1000	MS 30/1000	HMV 200E
OH 30/1000 H	950	1 000	1 140	430	OH 30/1000 H	HM 30/1000	MS 30/1000	HMV 200E
OH 30/1000 HE	950	1 000	1 140	430	OH 30/1000 HE	HME 30/1000	MS 30/1000	HMV 200E
OH 31/1000 H	950	1 000	1 240	609	OH 31/1000 H	HM 31/1000	MS 31/1000	HMV 200E
OH 31/1000 HE	950	1 000	1 240	609	OH 31/1000 HE	HME 31/1000	MS 31/1000	HMV 200E
OH 39/1060 H	1 000	1 060	1 200	372	OH 39/1060 H	HM 30/1060	MS 30/1000	HMV 212E
OH 39/1060 HE	1 000	1 060	1 200	372	OH 39/1060 HE	HME 30/1060	MS 30/1000	HMV 212E
OH 30/1060 H	1 000	1 060	1 200	447	OH 30/1060 H	HM 30/1060	MS 30/1000	HMV 212E
OH 31/1060 H	1 000	1 060	1 300	622	OH 31/1060 H	HM 31/1060	MS 31/1000	HMV 212E



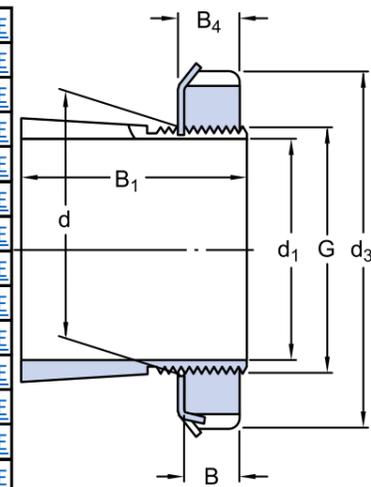
Designations	Principal dimensions				Adapter sleeve assembly	Included lock nut	Included locking device	Designations
	Adapter sleeve assembly	Included lock nut	Included locking device	Associated hydraulic nut				
	d1[mm]	d[mm]	d3[mm]	B1[mm]				
HE 205	19.05	25	38	26	HE 205	KM 5	MB 5	
HE 305	19.05	25	38	29	HE 305	KM 5	MB 5	
HE 305 E	19.05	25	38	29	HE 305 E	KMFE 5		
HE 2305	19.05	25	38	35	HE 2305	KM 5	MB 5	
HA 206	23.813	30	45	27	HA 206	KM 6	MB 6	
HA 306	23.813	30	45	31	HA 306	KM 6	MB 6	
HA 306 E	23.813	30	45	31	HA 306 E	KMFE 6		
HA 2306	23.813	30	45	38	HA 2306	KM 6	MB 6	
HE 206	25.4	30	45	27	HE 206	KM 6	MB 6	
HE 306	25.4	30	45	31	HE 306	KM 6	MB 6	
HE 306 E	25.4	30	45	31	HE 306 E	KMFE 6		
HE 2306	25.4	30	45	38	HE 2306	KM 6	MB 6	
HA 207	30.163	35	52	29	HA 207	KM 7	MB 7	
HA 307	30.163	35	52	35	HA 307	KM 7	MB 7	
HA 307 E	30.163	35	52	35	HA 307 E	KMFE 7		
HA 307 EL	30.163	35	52	35	HA 307 EL	KMFE 7 L		
HA 2307	30.163	35	52	43	HA 2307	KM 7	MB 7	
HE 208	31.75	40	58	31	HE 208	KM 8	MB 8	
HE 308	31.75	40	58	36	HE 308	KM 8	MB 8	
HE 308 E	31.75	40	58	36	HE 308 E	KMFE 8		
HE 2308	31.75	40	58	46	HE 2308	KM 8	MB 8	
HE 2308 E	31.75	40	58	46	HE 2308 E	KMFE 8		
HA 209	36.513	45	65	33	HA 209	KM 9	MB 9	
HA 309	36.513	45	65	39	HA 309	KM 9	MB 9	
HA 309 E	36.513	45	65	39	HA 309 E	KMFE 9		
HA 2309	36.513	45	65	50	HA 2309	KM 9	MB 9	
HE 209	38.1	45	65	33	HE 209	KM 9	MB 9	
HE 309	38.1	45	65	39	HE 309	KM 9	MB 9	
HE 309 E	38.1	45	65	39	HE 309 E	KMFE 9		
HE 2309	38.1	45	65	50	HE 2309	KM 9	MB 9	
HA 210	42.863	50	70	35	HA 210	KM 10	MB 10	HMV 10 E
HA 310	42.863	50	70	42	HA 310	KM 10	MB 10	HMV 10 E
HA 310 E	42.863	50	70	42	HA 310 E	KMFE 10		HMV 10 E
HA 2310	42.863	50	70	55	HA 2310	KM 10	MB 10	HMV 10 E



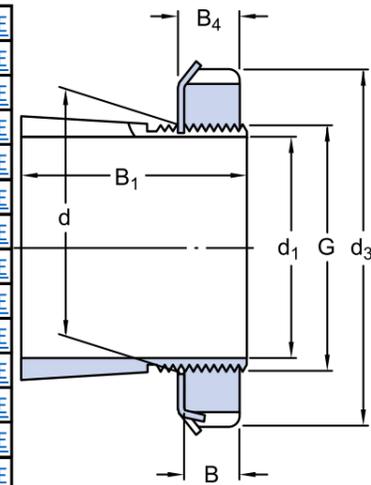
HE 210	44.45	50	70	35	HE 210	KM 10	MB 10	HMV 10 E
HE 310	44.45	50	70	42	HE 310	KM 10	MB 10	HMV 10 E
HE 310 E	44.45	50	70	42	HE 310 E	KMFE 10		HMV 10 E
HE 2310	44.45	50	70	55	HE 2310	KM 10	MB 10	HMV 10 E
HA 211	49.213	55	75	37	HA 211	KM 11	MB 11	HMV 11 E
HA 311	49.213	55	75	45	HA 311	KM 11	MB 11	HMV 11 E
HA 311 E	49.213	55	75	45	HA 311 E	KMFE 11		HMV 11 E
HA 2311	49.213	55	75	59	HA 2311	KM 11	MB 11	HMV 11 E
HE 211 B	50.8	55	75	37	HE 211 B	HM 11	MB 11	
HE 311 B	50.8	55	75	45	HE 311 B	HM 11	MB 11	
HE 311 BE	50.8	55	75	45	HE 311 BE	KMFE 11 B		
HE 2311 B	50.8	55	75	59	HE 2311 B	HM 11	MB 11	
HA 213	55.563	65	85	40	HA 213	KM 13	MB 13	HMV 13 E
HA 313	55.563	65	85	50	HA 313	KM 13	MB 13	HMV 13 E
HA 313 E	55.563	65	85	50	HA 313 E	KMFE 13		HMV 13 E
HA 2313	55.563	65	85	65	HA 2313	KM 13	MB 13	HMV 13 E
HA 2313 E	55.563	65	85	65	HA 2313 E	KMFE 13		HMV 13 E
HE 213	57.15	65	85	40	HE 213	KM 13	MB 13	HMV 13 E
HE 313	57.15	65	85	50	HE 313	KM 13	MB 13	HMV 13 E
HE 313 E	57.15	65	85	50	HE 313 E	KMFE 13		HMV 13 E
HE 2313	57.15	65	85	65	HE 2313	KM 13	MB 13	HMV 13 E
HE 2313 E	57.15	65	85	65	HE 2313 E	KMFE 13		HMV 13 E
HA 215	61.913	75	98	43	HA 215	KM 15	MB 15	HMV 15 E
HA 315	61.913	75	98	55	HA 315	KM 15	MB 15	HMV 15 E
HA 315 E	61.913	75	98	55	HA 315 E	KMFE 15		HMV 15 E
HA 2315	61.913	75	98	73	HA 2315	KM 15	MB 15	HMV 15 E
HE 215	63.5	75	98	43	HE 215	KM 15	MB 15	HMV 15 E
HE 315	63.5	75	98	55	HE 315	KM 15	MB 15	HMV 15 E
HE 315 E	63.5	75	98	55	HE 315 E	KMFE 15		HMV 15 E
HE 2315	63.5	75	98	73	HE 2315	KM 15	MB 15	HMV 15 E
HA 216	68.263	80	105	46	HA 216	KM 16	MB 16	HMV 16 E
HA 316	68.263	80	105	59	HA 316	KM 16	MB 16	HMV 16 E
HA 316 E	68.263	80	105	59	HA 316 E	KMFE 16		HMV 16 E
HA 2316	68.263	80	105	78	HA 2316	KM 16	MB 16	HMV 16 E
HE 216	69.85	80	105	46	HE 216	KM 16	MB 16	HMV 16 E
HE 316	69.85	80	105	59	HE 316	KM 16	MB 16	HMV 16 E
HE 316 E	69.85	80	105	59	HE 316 E	KMFE 16		HMV 16 E
HE 2316	69.85	80	105	78	HE 2316	KM 16	MB 16	HMV 16 E
HA 217	74.613	85	110	50	HA 217	KM 17	MB 17	HMV 17 E
HA 317	74.613	85	110	63	HA 317	KM 17	MB 17	HMV 17 E
HA 317 E	74.613	85	110	63	HA 317 E	KMFE 17		HMV 17 E
HA 2317	74.613	85	110	82	HA 2317	KM 17	MB 17	HMV 17 E
HE 217	76.2	85	110	50	HE 217	KM 17	MB 17	HMV 17 E
HE 317	76.2	85	110	63	HE 317	KM 17	MB 17	HMV 17 E
HE 317 E	76.2	85	110	63	HE 317 E	KMFE 17		HMV 17 E
HE 2317	76.2	85	110	82	HE 2317	KM 17	MB 17	HMV 17 E
HA 218	80.963	90	120	52	HA 218	KM 18	MB 18	HMV 18 E
HA 318	80.963	90	120	65	HA 318	KM 18	MB 18	HMV 18 E
HA 318 E	80.963	90	120	65	HA 318 E	KMFE 18		HMV 18 E
HA 2318 E/L73	80.963	90	120	73	HA 2318 E/L73	KMFE 18		HMV 18 E
HA 2318	80.963	90	120	86	HA 2318	KM 18	MB 18	HMV 18 E
HE 218	82.55	90	120	52	HE 218	KM 18	MB 18	HMV 18 E



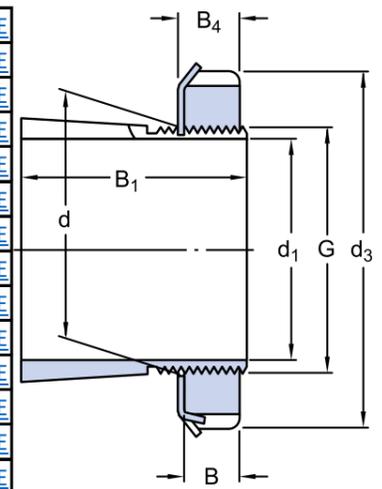
HE 318	82.55	90	120	65	HE 318	KM 18	MB 18	HMV 18 E
HE 318 E	82.55	90	120	65	HE 318 E	KMFE 18		HMV 18 E
HE 2318 E/L73	82.55	90	120	73	HE 2318 E/L73	KMFE 18		HMV 18 E
HE 2318	82.55	90	120	86	HE 2318	KM 18	MB 18	HMV 18 E
HE 219	82.55	95	125	55	HE 219	KM 19	MB 19	HMV 19 E
HE 319	82.55	95	125	68	HE 319	KM 19	MB 19	HMV 19 E
HE 319 E	82.55	95	125	68	HE 319 E	KMFE 19		HMV 19 E
HE 2319	82.55	95	125	90	HE 2319	KM 19	MB 19	HMV 19 E
HE 2319 EL	82.55	95	125	90	HE 2319 EL	KMFE 19 L		HMV 19 E
HA 220	87.313	100	130	58	HA 220	KM 20	MB 20	HMV 20 E
HA 320	87.313	100	130	71	HA 320	KM 20	MB 20	HMV 20 E
HA 320 E	87.313	100	130	71	HA 320 E	KMFE 20		HMV 20 E
HA 2320	87.313	100	130	97	HA 2320	KM 20	MB 20	HMV 20 E
HA 2320 E	87.313	100	130	97	HA 2320 E	KMFE 20		HMV 20 E
HE 220	88.9	100	130	58	HE 220	KM 20	MB 20	HMV 20 E
HE 320	88.9	100	130	71	HE 320	KM 20	MB 20	HMV 20 E
HE 320 E	88.9	100	130	71	HE 320 E	KMFE 20		HMV 20 E
HE 3120	88.9	100	130	76	HE 3120	KM 20	MB 20	HMV 20 E
HE 3120 E	88.9	100	130	76	HE 3120 E	KMFE 20		HMV 20 E
HE 2320	88.9	100	130	97	HE 2320	KM 20	MB 20	HMV 20 E
HE 2320 E	88.9	100	130	97	HE 2320 E	KMFE 20		HMV 20 E
HE 222	101.6	110	145	63	HE 222	KM 22	MB 22	HMV 22 E
HE 322	101.6	110	145	77	HE 322	KM 22	MB 22	HMV 22 E
HE 322 E	101.6	110	145	77	HE 322 E	KMFE 22		HMV 22 E
HE 3122	101.6	110	145	81	HE 3122	KM 22	MB 22	HMV 22 E
HE 3122 E	101.6	110	145	81	HE 3122 E	KMFE 22		HMV 22 E
HE 2322	101.6	110	145	105	HE 2322	KM 22	MB 22	HMV 22 E
HE 2322 E	101.6	110	145	105	HE 2322 E	KMFE 22		HMV 22 E
HA 3024	106.363	120	145	72	HA 3024	KML 24	MBL 24	HMV 24 E
HA 3124 L	106.363	120	145	88	HA 3124 L	KML 24	MBL 24	HMV 24 E
HA 2324 L	106.363	120	145	112	HA 2324 L	KML 24	MBL 24	HMV 24 E
HA 3024 E	106.363	120	155	72	HA 3024 E	KMFE 24		HMV 24 E
HA 3124	106.363	120	155	88	HA 3124	KM 24	MB 24	HMV 24 E
HA 2324	106.363	120	155	112	HA 2324	KM 24	MB 24	HMV 24 E
HA 2324 E	106.363	120	155	112	HA 2324 E	KMFE 24		HMV 24 E
HA 2324 EH	106.363	120	155	112	HA 2324 EH	KMFE 24 H		HMV 24 E
HE 3024	107.95	120	145	72	HE 3024	KML 24	MBL 24	HMV 24 E
HE 2324 L	107.95	120	145	112	HE 2324 L	KML 24	MBL 24	HMV 24 E
HE 3024 E	107.95	120	155	72	HE 3024 E	KMFE 24		HMV 24 E
HE 3124	107.95	120	155	88	HE 3124	KM 24	MB 24	HMV 24 E
HE 2324	107.95	120	155	112	HE 2324	KM 24	MB 24	HMV 24 E
HE 2324 E	107.95	120	155	112	HE 2324 E	KMFE 24		HMV 24 E
HE 2324 EH	107.95	120	155	112	HE 2324 EH	KMFE 24 H		HMV 24 E
HA 3026	112.713	130	155	80	HA 3026	KML 26	MBL 26	HMV 26 E
HA 3126 L	112.713	130	155	92	HA 3126 L	KML 26	MBL 26	HMV 26 E
HA 2326 L	112.713	130	155	121	HA 2326 L	KML 26	MBL 26	HMV 26 E
HA 3026 E	112.713	130	165	80	HA 3026 E	KMFE 26		HMV 26 E
HA 3126	112.713	130	165	92	HA 3126	KM 26	MB 26	HMV 26 E
HA 3126 E	112.713	130	165	92	HA 3126 E	KMFE 26		HMV 26 E
HA 2326	112.713	130	165	121	HA 2326	KM 26	MB 26	HMV 26 E
HE 3026	114.3	130	155	80	HE 3026	KML 26	MBL 26	HMV 26 E
HE 3126 L	114.3	130	155	92	HE 3126 L	KML 26	MBL 26	HMV 26 E



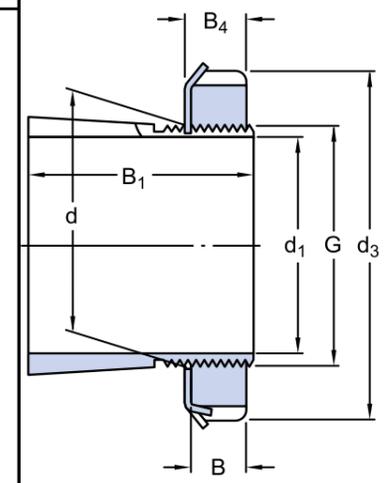
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HE 3026 E	114.3	130	165	80	HE 3026 E	KMFE 26		H MV 26 E
HE 3126	114.3	130	165	92	HE 3126	KM 26	MB 26	H MV 26 E
HE 2326	114.3	130	165	121	HE 2326	KM 26	MB 26	H MV 26 E
HA 3028	125.413	140	165	82	HA 3028	KML 28	MBL 28	H MV 28 E
HA 3128 L	125.413	140	165	97	HA 3128 L	KML 28	MBL 28	H MV 28 E
HA 3028 E	125.413	140	180	82	HA 3028 E	KMFE 28		H MV 28 E
HA 3128	125.413	140	180	97	HA 3128	KM 28	MB 28	H MV 28 E
HA 2328	125.413	140	180	131	HA 2328	KM 28	MB 28	H MV 28 E
HE 3028	127	140	165	82	HE 3028	KML 28	MBL 28	H MV 28 E
HE 3128 L	127	140	165	97	HE 3128 L	KML 28	MBL 28	H MV 28 E
HE 3028 E	127	140	180	82	HE 3028 E	KMFE 28		H MV 28 E
HE 3128	127	140	180	97	HE 3128	KM 28	MB 28	H MV 28 E
HE 2328	127	140	180	131	HE 2328	KM 28	MB 28	H MV 28 E
HA 3030	131.763	150	180	87	HA 3030	KML 30	MBL 30	H MV 30 E
HA 3130 L	131.763	150	180	111	HA 3130 L	KML 30	MBL 30	H MV 30 E
HA 2330 L	131.763	150	180	139	HA 2330 L	KML 30	MBL 30	H MV 30 E
HA 3030 E	131.763	150	195	87	HA 3030 E	KMFE 30		H MV 30 E
HA 3130	131.763	150	195	111	HA 3130	KM 30	MB 30	H MV 30 E
HA 3130 E	131.763	150	195	111	HA 3130 E	KMFE 30		H MV 30 E
HA 2330	131.763	150	195	139	HA 2330	KM 30	MB 30	H MV 30 E
HE 3030	133.35	150	180	87	HE 3030	KML 30	MBL 30	H MV 30 E
HE 3130 L	133.35	150	180	111	HE 3130 L	KML 30	MBL 30	H MV 30 E
HE 2330 L	133.35	150	180	139	HE 2330 L	KML 30	MBL 30	H MV 30 E
HE 3030 E	133.35	150	195	111	HE 3030 E	KMFE 30		H MV 30 E
HE 3130	133.35	150	195	111	HE 3130	KM 30	MB 30	H MV 30 E
HE 3130 E	133.35	150	195	111	HE 3130 E	KMFE 30		H MV 30 E
HE 2330	133.35	150	195	139	HE 2330	KM 30	MB 30	H MV 30 E
HA 3032	138.113	160	190	93	HA 3032	KML 32	MBL 32	H MV 32 E
HA 3132 L	138.113	160	190	119	HA 3132 L	KML 32	MBL 32	H MV 32 E
HA 2332 L	138.113	160	190	147	HA 2332 L	KML 32	MBL 32	H MV 32 E
HA 3032 E	138.113	160	210	93	HA 3032 E	KMFE 32		H MV 32 E
HA 3132	138.113	160	210	119	HA 3132	KM 32	MB 32	H MV 32 E
HA 3132 E	138.113	160	210	119	HA 3132 E	KMFE 32		H MV 32 E
HA 2332	138.113	160	210	147	HA 2332	KM 32	MB 32	H MV 32 E
HE 3032	139.7	160	190	93	HE 3032	KML 32	MBL 32	H MV 32 E
HE 3132 L	139.7	160	190	119	HE 3132 L	KML 32	MBL 32	H MV 32 E
HE 2332 L	139.7	160	190	147	HE 2332 L	KML 32	MBL 32	H MV 32 E
HE 3032 E	139.7	160	210	93	HE 3032 E	KMFE 32		H MV 32 E
HE 3132	139.7	160	210	119	HE 3132	KM 32	MB 32	H MV 32 E
HE 3132 E	139.7	160	210	119	HE 3132 E	KMFE 32		H MV 32 E
HE 2332	139.7	160	210	147	HE 2332	KM 32	MB 32	H MV 32 E
HA 3034	150.813	170	200	101	HA 3034	KML 34	MBL 34	H MV 34 E
HA 3134 L	150.813	170	200	122	HA 3134 L	KML 34	MBL 34	H MV 34 E
HA 3034 E	150.813	170	220	101	HA 3034 E	KMFE 34		H MV 34 E
HA 3134	150.813	170	220	122	HA 3134	KM 34	MB 34	H MV 34 E
HA 3134 E	150.813	170	220	122	HA 3134 E	KMFE 34		H MV 34 E
HA 2334	150.813	170	220	154	HA 2334	KM 34	MB 34	H MV 34 E
HE 3034	152.4	170	200	101	HE 3034	KML 34	MBL 34	H MV 34 E
HE 3134 L	152.4	170	200	122	HE 3134 L	KML 34	MBL 34	H MV 34 E
HE 3034 E	152.4	170	220	101	HE 3034 E	KMFE 34		H MV 34 E
HE 3134	152.4	170	220	122	HE 3134	KM 34	MB 34	H MV 34 E



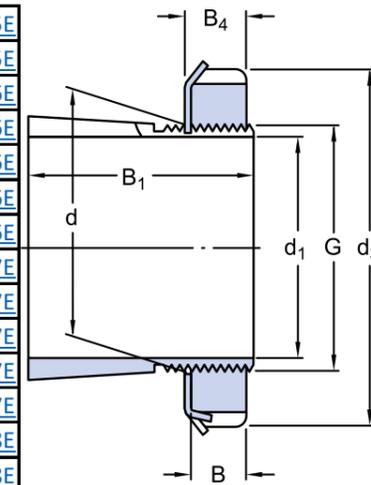
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HE 2334	152.4	170	220	154	HE 2334	KM 34	MB 34	H MV 34 E
HA 3036	163.513	180	210	109	HA 3036	KML 36	MBL 36	H MV 36 E
HA 3136 L	163.513	180	210	131	HA 3136 L	KML 36	MBL 36	H MV 36 E
HA 3036 E	163.513	180	230	122	HA 3036 E	KMFE 36		H MV 36 E
HA 3136	163.513	180	230	131	HA 3136	KM 36	MB 36	H MV 36 E
HA 2336	163.513	180	230	161	HA 2336	KM 36	MB 36	H MV 36 E
HE 3036	165.1	180	210	109	HE 3036	KML 36	MBL 36	H MV 36 E
HE 3036 E	165.1	180	230	122	HE 3036 E	KMFE 36		H MV 36 E
HE 3136	165.1	180	230	131	HE 3136	KM 36	MB 36	H MV 36 E
HE 2336	165.1	180	230	161	HE 2336	KM 36	MB 36	H MV 36 E
HE 3038	171.45	190	220	112	HE 3038	KML 38	MBL 38	H MV 38 E
HE 3138	171.45	190	240	141	HE 3138	KM 38	MB 38	H MV 38 E
HE 2338	171.45	190	240	169	HE 2338	KM 38	MB 38	H MV 38 E
HA 3038	176.213	190	220	112	HA 3038	KML 38	MBL 38	H MV 38 E
HA 3138	176.213	190	240	141	HA 3138	KM 38	MB 38	H MV 38 E
HA 2338	176.213	190	240	169	HA 2338	KM 38	MB 38	H MV 38 E
HE 3040	177.8	200	240	120	HE 3040	KML 40	MBL 40	H MV 40 E
HE 2340 L	177.8	200	240	176	HE 2340 L	KML 40	MBL 40	H MV 40 E
HE 3140	177.8	200	250	150	HE 3140	KM 40	MB 40	H MV 40 E
HA 3040	182.563	200	240	120	HA 3040	KML 40	MBL 40	H MV 40 E
HA 2340 L	182.563	200	240	176	HA 2340 L	KML 40	MBL 40	H MV 40 E
HA 3140	182.563	200	250	150	HA 3140	KM 40	MB 40	H MV 40 E
HA 2340	182.563	200	250	176	HA 2340	KM 40	MB 40	H MV 40 E



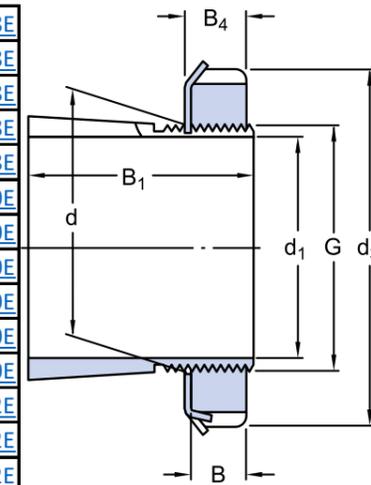
Designations	Principal dimensions				Adapter sleeve assembly	Included sleeve	Included lock nut	Included locking device	Designations
	Adapter sleeve assembly	Associated hydraulic nut							
	d1[mm]	d[mm]	d3max.[mm]	B1[mm]					
SNW 5x3/4	19.05	25	39.827	31.979	SNW 5x3/4	S 5x3/4	N 05	W 05	
SNW 6x15/16	23.813	30	44.577	34.112	SNW 6x15/16	S 6x15/16	N 06	W 06	
SNW 7x1.1/8	28.575	35	52.527	36.805	SNW 7x1.1/8	S 7x1.1/8	N 07	W 07	
SNW 7x1.3/16	30.163	35	52.527	36.805	SNW 7x1.3/16	S 7x1.3/16	N 07	W 07	
SNW 7x1.1/4	31.75	35	52.527	36.805	SNW 7x1.1/4	S 7x1.1/4	N 07	W 07	
SNW 8x1.1/4	31.75	40	57.277	37.948	SNW 8x1.1/4	S 8x1.1/4	N 08	W 08	
SNW 8x1.5/16	33.338	40	57.277	37.948	SNW 8x1.5/16	S 8x1.5/16	N 08	W 08	
SNW 9x1.5/16	33.338	45	64.414	39.98	SNW 9x1.5/16	S 9x1.5/16	N 09	W 09	
SNW 8x1.3/8	34.925	40	57.277	37.948	SNW 8x1.3/8	S 8x1.3/8	N 08	W 08	
SNW 9x1.3/8	34.925	45	64.414	39.98	SNW 9x1.3/8	S 9x1.3/8	N 09	W 09	
SNW 9x1.7/16	36.513	45	64.414	39.98	SNW 9x1.7/16	S 9x1.7/16	N 09	W 09	
SNW 109x1.7/16	36.513	45	64.414	53.924	SNW 109x1.7/16	S 109x1.7/16	N 09	W 09	
SNW 9x1.1/2	38.1	45	64.414	39.98	SNW 9x1.1/2	S 9x1.1/2	N 09	W 09	
SNW 109x1.1/2	38.1	45	64.414	53.924	SNW 109x1.1/2	S 109x1.1/2	N 09	W 09	
SNW 10x1.5/8	41.275	50	68.402	44.577	SNW 10x1.5/8	S 10x1.5/8	N 10	W 10	HMVC 10E
SNW 10x1.11/16	42.863	50	68.402	44.577	SNW 10x1.11/16	S 10x1.11/16	N 10	W 10	HMVC 10E
SNW 110x1.11/16	42.863	50	68.402	60.554	SNW 110x1.11/16	S 110x1.11/16	N 10	W 10	HMVC 10E
SNW 10x1.3/4	44.45	50	68.402	44.577	SNW 10x1.3/4	S 10x1.3/4	N 10	W 10	HMVC 10E
SNW 110x1.3/4	44.45	55	68.402	60.554	SNW 110x1.3/4	S 110x1.3/4	N 10	W 10	HMVC 10E
SNW 11x1.3/4	44.45	55	75.54	46.609	SNW 11x1.3/4	S 11x1.3/4	N 11	W 11	HMVC 11E
SNW 11x1.13/16	46.038	55	75.54	46.609	SNW 11x1.13/16	S 11x1.13/16	N 11	W 11	HMVC 11E
SNW 11x1.7/8	47.625	55	75.54	46.609	SNW 11x1.7/8	S 11x1.7/8	N 11	W 11	HMVC 11E
SNW 111x1.7/8	47.625	55	75.54	63.652	SNW 111x1.7/8	S 111x1.7/8	N 11	W 11	HMVC 11E
SNW 11x1.15/16	49.213	55	75.54	46.609	SNW 11x1.15/16	S 11x1.15/16	N 11	W 11	HMVC 11E
SNW 111x1.15/16	49.213	55	75.54	63.652	SNW 111x1.15/16	S 111x1.15/16	N 11	W 11	HMVC 11E
SNW 112x2.1/16	52.388	60	80.289	67.285	SNW 112x2.1/16	S 112x2.1/16	N 12	W 12	HMVC 12E
SNW 13x2.1/8	53.975	65	85.852	53.086	SNW 13x2.1/8	S 13x2.1/8	N 13	W 13	HMVC 13E
SNW 13x2.3/16	55.563	65	85.852	53.086	SNW 13x2.3/16	S 13x2.3/16	N 13	W 13	HMVC 13E
SNW 113x2.3/16	55.563	65	85.852	70.129	SNW 113x2.3/16	S 113x2.3/16	N 13	W 13	HMVC 13E
SNW 13x2.1/4	57.15	65	85.852	53.086	SNW 13x2.1/4	S 13x2.1/4	N 13	W 13	HMVC 13E
SNW 113x2.1/4	57.15	65	85.852	70.129	SNW 113x2.1/4	S 113x2.1/4	N 13	W 13	HMVC 13E
SNW 13x2.5/16	58.738	65	85.852	53.086	SNW 13x2.5/16	S 13x2.5/16	N 13	W 13	HMVC 13E
SNW 15x2.3/8	60.325	75	98.552	58.064	SNW 15x2.3/8	S 15x2.3/8	AN 15	W 15	HMVC 15E
SNW 15x2.7/16	61.913	75	98.552	58.064	SNW 15x2.7/16	S 15x2.7/16	AN 15	W 15	HMVC 15E
SNW 115x2.7/16	61.913	75	98.552	78.08	SNW 115x2.7/16	S 115x2.7/16	AN 15	W 15	HMVC 15E



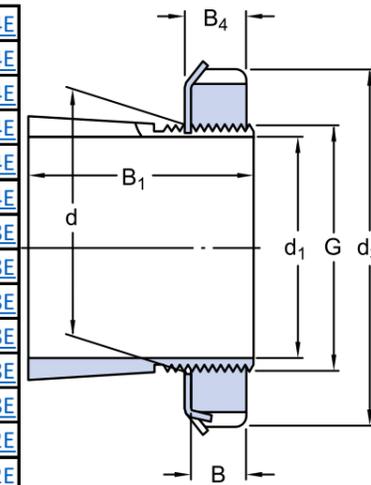
SNW 15x2.1/2	63.5	75	98.552	58.064	SNW 15x2.1/2	S 15x2.1/2	AN 15	W 15	HMVC 15E
SNW 115x2.1/2	63.5	75	98.552	78.08	SNW 115x2.1/2	S 115x2.1/2	AN 15	W 15	HMVC 15E
SNW 16x2.5/8	66.675	80	105.689	60.096	SNW 16x2.5/8	S 16x2.5/8	AN 16	W 16	HMVC 16E
SNW 16x2.11/16	68.263	80	105.689	60.096	SNW 16x2.11/16	S 16x2.11/16	AN 16	W 16	HMVC 16E
SNW 116x2.11/16	68.263	80	105.689	81.128	SNW 116x2.11/16	S 116x2.11/16	AN 16	W 16	HMVC 16E
SNW 16x2.3/4	69.85	80	105.689	60.096	SNW 16x2.3/4	S 16x2.3/4	AN 16	W 16	HMVC 16E
SNW 116x2.3/4	69.85	80	105.689	81.128	SNW 116x2.3/4	S 116x2.3/4	AN 16	W 16	HMVC 16E
SNW 17x2.13/16	71.438	85	112.039	62.89	SNW 17x2.13/16	S 17x2.13/16	AN 17	W 17	HMVC 17E
SNW 17x2.7/8	73.025	85	112.039	62.89	SNW 17x2.7/8	S 17x2.7/8	AN 17	W 17	HMVC 17E
SNW 17x2.15/16	74.613	85	112.039	62.89	SNW 17x2.15/16	S 17x2.15/16	AN 17	W 17	HMVC 17E
SNW 117x2.15/16	74.613	85	112.039	83.871	SNW 117x2.15/16	S 117x2.15/16	AN 17	W 17	HMVC 17E
SNW 17x3	76.2	85	112.039	62.89	SNW 17x3	S 17x3	AN 17	W 17	HMVC 17E
SNW 18x3.1/8	79.375	90	118.389	66.954	SNW 18x3.1/8	S 18x3.1/8	AN 18	W 18	HMVC 18E
SNW 18x3.3/16	80.963	90	118.389	66.954	SNW 18x3.3/16	S 18x3.3/16	AN 18	W 18	HMVC 18E
SNW 118x3.3/16	80.963	90	118.389	89.992	SNW 118x3.3/16	S 118x3.3/16	AN 18	W 18	HMVC 18E
SNW 18x3.1/4	82.55	90	118.389	66.954	SNW 18x3.1/4	S 18x3.1/4	AN 18	W 18	HMVC 18E
SNW 118x3.1/4	82.55	90	118.389	89.992	SNW 118x3.1/4	S 118x3.1/4	AN 18	W 18	HMVC 18E
SNW 19x3.5/16	84.138	95	125.552	69.85	SNW 19x3.5/16	S 19x3.5/16	AN 19	W 19	HMVC 19E
SNW 119x3.5/16	84.138	95	125.552	93.777	SNW 119x3.5/16	S 119x3.5/16	AN 19	W 19	HMVC 19E
SNW 20x3.3/8	85.725	100	131.902	72.619	SNW 20x3.3/8	S 20x3.3/8	AN 20	W 20	HMVC 20E
SNW 120x3.3/8	85.725	100	131.902	100.609	SNW 120x3.3/8	S 120x3.3/8	AN 20	W 20	HMVC 20E
SNW 20x3.7/16	87.313	100	131.902	72.619	SNW 20x3.7/16	S 20x3.7/16	AN 20	W 20	HMVC 20E
SNW 120x3.7/16	87.313	100	131.902	100.609	SNW 120x3.7/16	S 120x3.7/16	AN 20	W 20	HMVC 20E
SNW 20x3.1/2	88.9	100	131.902	72.619	SNW 20x3.1/2	S 20x3.1/2	AN 20	W 20	HMVC 20E
SNW 120x3.1/2	88.9	100	131.902	100.609	SNW 120x3.1/2	S 120x3.1/2	AN 20	W 20	HMVC 20E
SNW 21x3.11/16	93.663	105	138.252	75.616	SNW 21x3.11/16	S 21x3.11/16	AN 21	W 21	HMVC 21E
SNW 22x3.11/16	93.663	110	145.39	81.178	SNW 22x3.11/16	S 22x3.11/16	AN 22	W 22	HMVC 22E
SNW 122x3.11/16	93.663	110	145.39	110.185	SNW 122x3.11/16	S 122x3.11/16	AN 22	W 22	HMVC 22E
SNW 122x3.3/4	95.25	110	145.39	110.185	SNW 122x3.3/4	S 122x3.3/4	AN 22	W 22	HMVC 22E
SNW 22x3.13/16	96.838	110	145.39	81.178	SNW 22x3.13/16	S 22x3.13/16	AN 22	W 22	HMVC 22E
SNW 122x3.13/16	96.838	110	145.39	110.185	SNW 122x3.13/16	S 122x3.13/16	AN 22	W 22	HMVC 22E
SNW 22x3.7/8	98.425	110	145.39	81.178	SNW 22x3.7/8	S 22x3.7/8	AN 22	W 22	HMVC 22E
SNW 22x3.15/16	100.013	110	145.39	81.178	SNW 22x3.15/16	S 22x3.15/16	AN 22	W 22	HMVC 22E
SNW 122x3.15/16	100.013	110	145.39	110.185	SNW 122x3.15/16	S 122x3.15/16	AN 22	W 22	HMVC 22E
SNW 3024x4.3/16	106.363	120	144.602	74.6	SNW 3024x4.3/16	S 3024x4.3/16	N 024	W 024	HMVC 24E
SNW 3124x4.3/16	106.363	120	144.602	87.782	SNW 3124x4.3/16	S 24x4.3/16	N 024	W 024	HMVC 24E
SNW 24x4.3/16	106.363	120	155.702	87.782	SNW 24x4.3/16	S 24x4.3/16	AN 24	W 24	HMVC 24E
SNW 124x4.3/16	106.363	120	155.702	117.805	SNW 124x4.3/16	S 124x4.3/16	AN 24	W 24	HMVC 24E
SNW 3024x4.1/4	107.95	120	144.602	74.6	SNW 3024x4.1/4	S 3024x4.1/4	N 024	W 024	HMVC 24E
SNW 24x4.1/4	107.95	120	155.702	87.782	SNW 24x4.1/4	S 24x4.1/4	AN 24	W 24	HMVC 24E
SNW 26x4.5/16	109.538	130	171.577	95.301	SNW 26x4.5/16	S 26x4.5/16	AN 26	W 26	HMVC 26E
SNW 26x4.3/8	111.125	130	171.577	95.301	SNW 26x4.3/8	S 26x4.3/8	AN 26	W 26	HMVC 26E
SNW 3026x4.7/16	112.713	130	155.702	81.966	SNW 3026x4.7/16	S 3026x4.7/16	N 026	W 026	HMVC 26E
SNW 3126x4.7/16	112.713	130	155.702	95.301	SNW 3126x4.7/16	S 26x4.7/16	N 026	W 026	HMVC 26E
SNW 26x4.7/16	112.713	130	171.577	95.301	SNW 26x4.7/16	S 26x4.7/16	AN 26	W 26	HMVC 26E
SNW 126x4.7/16	112.713	130	171.577	126.289	SNW 126x4.7/16	S 126x4.7/16	AN 26	W 26	HMVC 26E
SNW 3026x4.1/2	114.3	130	155.702	81.966	SNW 3026x4.1/2	S 3026x4.1/2	N 026	W 026	HMVC 26E
SNW 3126x4.1/2	114.3	130	155.702	95.301	SNW 3126x4.1/2	S 26x4.1/2	N 026	W 026	HMVC 26E
SNW 26x4.1/2	114.3	130	171.577	95.301	SNW 26x4.1/2	S 26x4.1/2	AN 26	W 26	HMVC 26E
SNW 126x4.1/2	114.3	130	171.577	126.289	SNW 126x4.1/2	S 126x4.1/2	AN 26	W 26	HMVC 26E
SNW 3028x4.13/16	122.238	140	165.227	84.582	SNW 3028x4.13/16	S 3028x4.13/16	N 028	W 028	HMVC 28E
SNW 28x4.7/8	123.825	140	180.315	100.863	SNW 28x4.7/8	S 28x4.7/8	AN 28	W 28	HMVC 28E



SNW 128x4.7/8	123.825	140	180.315	134.95	SNW 128x4.7/8	S 128x4.7/8	AN 28	W 28	HMVC 28E
SNW 3028x4.15/16	125.413	140	165.227	84.582	SNW 3028x4.15/16	S 3028x4.15/16	N 028	W 028	HMVC 28E
SNW 3128x4.15/16	125.413	140	165.227	100.863	SNW 3128x4.15/16	S 28x4.15/16	N 028	W 028	HMVC 28E
SNW 28x4.15/16	125.413	140	180.315	100.863	SNW 28x4.15/16	S 28x4.15/16	AN 28	W 28	HMVC 28E
SNW 128x4.15/16	125.413	140	180.315	134.95	SNW 128x4.15/16	S 128x4.15/16	AN 28	W 28	HMVC 28E
SNW 130x5.1/8	130.175	150	195.402	142.519	SNW 130x5.1/8	S 130x5.1/8	AN 30	W 30	HMVC 30E
SNW 3030x5.3/16	131.763	150	181.102	88.443	SNW 3030x5.3/16	S 3030x5.3/16	N 030	W 030	HMVC 30E
SNW 3130x5.3/16	131.763	150	181.102	107.467	SNW 3130x5.3/16	S 30x5.3/16	N 030	W 030	HMVC 30E
SNW 30x5.3/16	131.763	150	195.402	107.467	SNW 30x5.3/16	S 30x5.3/16	AN 30	W 30	HMVC 30E
SNW 130x5.3/16	131.763	150	195.402	142.519	SNW 130x5.3/16	S 130x5.3/16	AN 30	W 30	HMVC 30E
SNW 30x5.1/4	133.35	150	195.402	107.467	SNW 30x5.1/4	S 30x5.1/4	AN 30	W 30	HMVC 30E
SNW 3032x5.3/8	136.525	160	190.627	94.005	SNW 3032x5.3/8	S 3032x5.3/8	N 032	W 032	HMVC 32E
SNW 32x5.3/8	136.525	160	204.927	116.027	SNW 32x5.3/8	S 32x5.3/8	AN 32	W 32	HMVC 32E
SNW 3032x5.7/16	138.113	160	190.627	94.005	SNW 3032x5.7/16	S 3032x5.7/16	N 032	W 032	HMVC 32E
SNW 3132x5.7/16	138.113	160	190.627	116.027	SNW 3132x5.7/16	S 32x5.7/16	N 032	W 032	HMVC 32E
SNW 32x5.7/16	138.113	160	204.927	116.027	SNW 32x5.7/16	S 32x5.7/16	AN 32	W 32	HMVC 32E
SNW 132x5.7/16	138.113	160	204.927	150.114	SNW 132x5.7/16	S 132x5.7/16	AN 32	W 32	HMVC 32E
SNW 3032x5.1/2	139.7	160	190.627	94.005	SNW 3032x5.1/2	S 3032x5.1/2	N 032	W 032	HMVC 32E
SNW 32x5.1/2	139.7	160	204.927	116.027	SNW 32x5.1/2	S 32x5.1/2	AN 32	W 32	HMVC 32E
SNW 32x5.3/4	146.05	160	204.927	116.027	SNW 32x5.3/4	S 32x5.3/4	AN 32	W 32	HMVC 32E
SNW 34x5.13/16	147.638	170	219.989	122.86	SNW 34x5.13/16	S 34x5.13/16	AN 34	W 34	HMVC 34E
SNW 134x5.13/16	147.638	170	219.989	156.921	SNW 134x5.13/16	S 134x5.13/16	AN 34	W 34	HMVC 34E
SNW 3034x5.7/8	149.225	170	200.152	101.829	SNW 3034x5.7/8	S 3034x5.7/8	N 034	W 034	HMVC 34E
SNW 34x5.7/8	149.225	170	219.989	122.86	SNW 34x5.7/8	S 34x5.7/8	AN 34	W 34	HMVC 34E
SNW 3034x5.15/16	150.813	170	200.152	101.829	SNW 3034x5.15/16	S 3034x5.15/16	N 034	W 034	HMVC 34E
SNW 3134x5.15/16	150.813	170	200.152	122.86	SNW 3134x5.15/16	S 34x5.15/16	N 034	W 034	HMVC 34E
SNW 34x5.15/16	150.813	170	219.989	122.86	SNW 34x5.15/16	S 34x5.15/16	AN 34	W 34	HMVC 34E
SNW 134x5.15/16	150.813	170	219.989	156.921	SNW 134x5.15/16	S 134x5.15/16	AN 34	W 34	HMVC 34E
SNW 36x6.5/16	160.338	180	230.327	127.711	SNW 36x6.5/16	S 36x6.5/16	AN 36	W 36	HMVC 36E
SNW 3036x6.7/16	163.513	180	209.677	109.906	SNW 3036x6.7/16	S 3036x6.7/16	N 036	W 036	HMVC 36E
SNW 3136x6.7/16	163.513	180	209.677	127.711	SNW 3136x6.7/16	S 36x6.7/16	N 036	W 036	HMVC 36E
SNW 36x6.7/16	163.513	180	230.327	127.711	SNW 36x6.7/16	S 36x6.7/16	AN 36	W 36	HMVC 36E
SNW 136x6.7/16	163.513	180	230.327	163.728	SNW 136x6.7/16	S 136x6.7/16	AN 36	W 36	HMVC 36E
SNW 3036x6.1/2	165.1	180	209.677	109.906	SNW 3036x6.1/2	S 3036x6.1/2	N 036	W 036	HMVC 36E
SNW 3136x6.1/2	165.1	180	209.677	127.711	SNW 3136x6.1/2	S 36x6.1/2	N 036	W 036	HMVC 36E
SNW 36x6.1/2	165.1	180	230.327	127.711	SNW 36x6.1/2	S 36x6.1/2	AN 36	W 36	HMVC 36E
SNW 38x6.7/8	174.625	190	240.64	133.375	SNW 38x6.7/8	S 38x6.7/8	AN 38	W 38	HMVC 38E
SNW 3038x6.15/16	176.213	190	220.802	111.811	SNW 3038x6.15/16	S 3038x6.15/16	N 038	W 038	HMVC 38E
SNW 3138x6.15/16	176.213	190	220.802	133.375	SNW 3138x6.15/16	S 38x6.15/16	N 038	W 038	HMVC 38E
SNW 38x6.15/16	176.213	190	240.64	133.375	SNW 38x6.15/16	S 38x6.15/16	AN 38	W 38	HMVC 38E
SNW 138x6.15/16	176.213	190	240.64	171.399	SNW 138x6.15/16	S 138x6.15/16	AN 38	W 38	HMVC 38E
SNW 138x7	177.8	190	240.64	171.399	SNW 138x7	S 138x7	AN 38	W 38	HMVC 38E
SNW 3040x7.1/8	180.975	200	239.852	120.396	SNW 3040x7.1/8	S 3040x7.1/8	N 040	W 040	HMVC 40E
SNW 3040x7.3/16	182.563	200	239.852	120.396	SNW 3040x7.3/16	S 3040x7.3/16	N 040	W 040	HMVC 40E
SNW 3140x7.3/16	182.563	200	239.852	139.04	SNW 3140x7.3/16	S 40x7.3/16	N 040	W 040	HMVC 40E
SNW 40x7.3/16	182.563	200	250.165	139.04	SNW 40x7.3/16	S 40x7.3/16	AN 40	W 40	HMVC 40E
SNW 140x7.3/16	182.563	200	250.165	179.959	SNW 140x7.3/16	S 140x7.3/16	AN 40	W 40	HMVC 40E
SNW 40x7.1/4	184.15	200	250.165	139.04	SNW 40x7.1/4	S 40x7.1/4	AN 40	W 40	HMVC 40E
SNW 44x7.1/2	190.5	220	279.527	149.631	SNW 44x7.1/2	S 44x7.1/2	N 44	W 44	HMVC 44E
SNW 3044x7.13/16	198.438	220	260.477	130.048	SNW 3044x7.13/16	S 3044x7.13/16	N 044	W 044	HMVC 44E
SNW 44x7.13/16	198.438	220	279.527	149.631	SNW 44x7.13/16	S 44x7.13/16	N 44	W 44	HMVC 44E
SNW 3044x7.7/8	200.025	220	260.477	130.048	SNW 3044x7.7/8	S 3044x7.7/8	N 044	W 044	HMVC 44E



SNW 44x7.7/8	200.025	220	279.527	149.631	SNW 44x7.7/8	S 44x7.7/8	N 44	W 44	HMVC 44E
SNW 3044x7.15/16	201.613	220	260.477	130.048	SNW 3044x7.15/16	S 3044x7.15/16	N 044	W 044	HMVC 44E
SNW 3144x7.15/16	201.613	220	260.477	149.631	SNW 3144x7.15/16	S 44x7.15/16	N 044	W 044	HMVC 44E
SNW 44x7.15/16	201.613	220	279.527	149.631	SNW 44x7.15/16	S 44x7.15/16	N 44	W 44	HMVC 44E
SNW 144x7.15/16	201.613	220	279.527	184.836	SNW 144x7.15/16	S 144x7.15/16	N 44	W 44	HMVC 44E
SNW 144x8	203.2	220	279.527	183.566	SNW 144x8	S 144x8	N 44	W 44	HMVC 44E
SNP 3048x8.7/16	214.313	240	290.652	137.719	SNP 3048x8.7/16	S 3048x8.7/16	N 048	PL 48	HMVC 48E
SNP 3048x8.1/2	215.9	240	290.652	137.719	SNP 3048x8.1/2	S 3048x8.1/2	N 048	PL 48	HMVC 48E
SNP 3048x8.15/16	227.013	240	290.652	137.719	SNP 3048x8.15/16	S 3048x8.15/16	N 048	PL 48	HMVC 48E
SNP 3148x8.15/16	227.013	240	290.652	168.351	SNP 3148x8.15/16	S 48x8.15/16	N 048	PL 48	HMVC 48E
SNP 148x8.15/16	227.013	240	290.652	205.715	SNP 148x8.15/16	S 148x8.15/16	N 048	PL 48	HMVC 48E
SNP 3048x9	228.6	240	290.652	137.719	SNP 3048x9	S 3048x9	N 048	PL 48	HMVC 48E
SNP 3152x9	228.6	240	309.702	192.608	SNP 3152x9	S 52x9	N 052	PL 52	HMVC 52E
SNP 152x9	228.6	260	309.702	222.606	SNP 152x9	S 152x9	N 052	PL 52	HMVC 52E
SNP 3052x9.7/16	239.713	260	309.702	152.629	SNP 3052x9.7/16	S 3052x9.7/16	N 052	PL 52	HMVC 52E
SNP 3152x9.7/16	239.713	260	309.702	192.608	SNP 3152x9.7/16	S 52x9.7/16	N 052	PL 52	HMVC 52E
SNP 152x9.7/16	239.713	260	309.702	222.606	SNP 152x9.7/16	S 152x9.7/16	N 052	PL 52	HMVC 52E
SNP 3052x9.1/2	241.3	260	309.702	152.629	SNP 3052x9.1/2	S 3052x9.1/2	N 052	PL 52	HMVC 52E
SNP 3152x9.1/2	241.3	260	309.702	192.608	SNP 3152x9.1/2	S 52x9.1/2	N 052	PL 52	HMVC 52E
SNP 3056x9.15/16	252.413	280	330.327	156.997	SNP 3056x9.15/16	S 3056x9.15/16	N 056	PL 56	HMVC 56E
SNP 3056x10	254	280	330.327	156.997	SNP 3056x10	S 3056x10	N 056	PL 56	HMVC 56E
SNP 3156x10	254	280	330.327	197.002	SNP 3156x10	S 3156x10	N 056	PL 56	HMVC 56E
SNP 3056x10.7/16	265.113	280	330.327	156.997	SNP 3056x10.7/16	S 3056x10.7/16	N 056	PL 56	HMVC 56E
SNP 3156x10.7/16	265.113	280	330.327	197.002	SNP 3156x10.7/16	S 3156x10.7/16	N 056	PL 56	HMVC 56E
SNP 3256x10.7/16	265.113	280	330.327	227	SNP 3256x10.7/16	S 3256x10.7/16	N 056	PL 56	HMVC 56E
SNP 3056x10.1/2	266.7	280	330.327	156.997	SNP 3056x10.1/2	S 3056x10.1/2	N 056	PL 56	HMVC 56E
SNP 3156x10.1/2	266.7	280	330.327	197.002	SNP 3156x10.1/2	S 3156x10.1/2	N 056	PL 56	HMVC 56E
SNP 3060x10.15/16	277.813	300	360.502	170.612	SNP 3060x10.15/16	S 3060x10.15/16	N 060	PL 60	HMVC 60E
SNP 3160x10.15/16	277.813	300	360.502	212.598	SNP 3160x10.15/16	S 3160x10.15/16	N 060	PL 60	HMVC 60E
SNP 3260x10.15/16	277.813	300	360.502	244.602	SNP 3260x10.15/16	S 3260x10.15/16	N 060	PL 60	HMVC 60E
SNP 3060x11	279.4	300	360.502	170.612	SNP 3060x11	S 3060x11	N 060	PL 60	HMVC 60E
SNP 3260x11	279.4	300	360.502	244.602	SNP 3260x11	S 3260x11	N 060	PL 60	HMVC 60E
SNP 3064x11.7/16	290.513	320	381.127	176.174	SNP 3064x11.7/16	S 3064x11.7/16	N 064	PL 64	HMVC 64E
SNP 3064x11.1/2	292.1	320	381.127	176.174	SNP 3064x11.1/2	S 3064x11.1/2	N 064	PL 64	HMVC 64E
SNP 3064x11.15/16	303.213	320	381.127	176.174	SNP 3064x11.15/16	S 3064x11.15/16	N 064	PL 64	HMVC 64E
SNP 3164x11.15/16	303.213	320	381.127	231.165	SNP 3164x11.15/16	S 3164x11.15/16	N 064	PL 64	HMVC 64E
SNP 3064x12	304.8	320	381.127	176.174	SNP 3064x12	S 3064x12	N 064	PL 64	HMVC 64E
SNP 3164x12	304.8	320	381.127	231.165	SNP 3164x12	S 3164x12	N 064	PL 64	HMVC 64E
SNP 3264x12	304.8	320	381.127	263.169	SNP 3264x12	S 3264x12	N 064	PL 64	HMVC 64E
SNP 3068x12.7/16	315.913	340	400.177	191.338	SNP 3068x12.7/16	S 3068x12.7/16	N 068	PL 68	HMVC 68E
SNP 3168x12.7/16	315.913	340	400.177	248.336	SNP 3168x12.7/16	S 3168x12.7/16	N 068	PL 68	HMVC 68E
SNP 3268x12.7/16	315.913	340	400.177	282.346	SNP 3268x12.7/16	S 3268x12.7/16	N 068	PL 68	HMVC 68E
SNP 3072x13.7/16	341.313	360	419.227	192.253	SNP 3072x13.7/16	S 3072x13.7/16	N 072	PL 72	HMVC 72E
SNP 3172x13.7/16	341.313	360	419.227	250.241	SNP 3172x13.7/16	S 3172x13.7/16	N 072	PL 72	HMVC 72E
SNP 3272x13.7/16	341.313	360	419.227	290.246	SNP 3272x13.7/16	S 3272x13.7/16	N 072	PL 72	HMVC 72E
SNP 3276x13.15/16	354.013	360	450.977	301.422	SNP 3276x13.15/16	S 3276x13.15/16	N 076	PL 76	HMVC 76E
SNP 3076x13.15/16	354.013	380	450.977	196.418	SNP 3076x13.15/16	S 3076x13.15/16	N 076	PL 76	HMVC 76E
SNP 3176x13.15/16	354.013	380	450.977	255.422	SNP 3176x13.15/16	S 3176x13.15/16	N 076	PL 76	HMVC 76E
SNP 3276x14	355.6	360	450.977	301.422	SNP 3276x14	S 3276x14	N 076	PL 76	HMVC 76E
SNP 3076x14	355.6	380	450.977	196.418	SNP 3076x14	S 3076x14	N 076	PL 76	HMVC 76E
SNP 3180x14.15/16	379.413	400	470.027	265.405	SNP 3180x14.15/16	S 3180x14.15/16	N 080	PL 80	HMVC 80E
SNP 3080x15	381	400	470.027	213.385	SNP 3080x15	S 3080x15	N 080	PL 80	HMVC 80E



SNP 3180x15	381	400	470.027	265.405	SNP 3180x15	S 3180x15	N 080	PL 80	HMVC 80E
SNP 3280x15	381	400	470.027	321.412	SNP 3280x15	S 3280x15	N 080	PL 80	HMVC 80E
SNP 3084x15.3/4	400.05	420	490.677	215.595	SNP 3084x15.3/4	S 3084x15.3/4	N 084	PL 84	HMVC 84E
SNP 3184x15.3/4	400.05	420	490.677	289.611	SNP 3184x15.3/4	S 3184x15.3/4	N 084	PL 84	HMVC 84E
SNP 3284x15.3/4	400.05	420	490.677	337.617	SNP 3284x15.3/4	S 3284x15.3/4	N 084	PL 84	HMVC 84E
SNP 3088x16.1/2	419.1	440	520.827	231.14	SNP 3088x16.1/2	S 3088x16.1/2	N 088	PL 88	HMVC 88E
SNP 3188x16.1/2	419.1	440	520.827	300.152	SNP 3188x16.1/2	S 3188x16.1/2	N 088	PL 88	HMVC 88E
SNP 3096x18	457.2	480	560.527	239.928	SNP 3096x18	S 3096x18	N 096	PL 96	HMVC 96E
SNP 3196x18	457.2	480	560.527	322.936	SNP 3196x18	S 3196x18	N 096	PL 96	HMVC 96E

