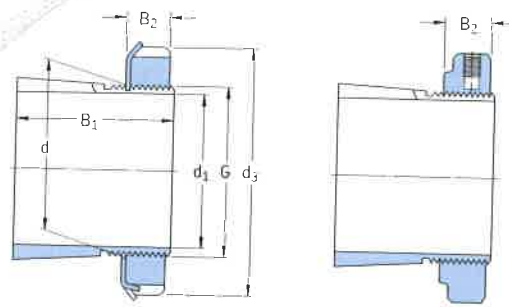


Adapter sleeves for inch shafts
 d_1 2 1/4 - 4 3/16 in



HA, HE, HS

HA...E, HE...E

Dimensions						Mass	Designations Adapter sleeve with nut and locking device	Appertaining lock nut	locking device	Appropriate hydraulic nut	
d_1	d	d_3	B_1	B_2	G						
in	mm					kg					
2 1/4	57,150	65	85	40	13,5	M 65x2	0,44	HE 213	KM 13	MB 13	HMV 13 E
		65	85	50	13,5	M 65x2	0,52	HE 313	KM 13	MB 13	HMV 13 E
		65	85	50	15	M 65x2	0,53	HE 313 E	KMFE 13	-	HMV 13 E
		65	85	65	13,5	M 65x2	0,65	HE 2313	KM 13	MB 13	HMV 13 E
2 3/8	60,325	65	85	40	13,5	M 65x2	0,44	HS 213	KM 13	MB 13	HMV 13 E
		65	85	50	13,5	M 65x2	0,71	HS 313	KM 13	MB 13	HMV 13 E
		65	85	65	13,5	M 65x2	0,80	HS 2313	KM 13	MB 13	HMV 13 E
		75	98	43	14,5	M 75x2	0,75	HA 215	KM 15	MB 15	HMV 15 E
2 7/16	61,913	75	98	55	14,5	M 75x2	0,91	HA 315	KMFE 15	-	HMV 15 E
		75	98	55	16	M 75x2	0,93	HA 315 E	KMFE 15	-	HMV 15 E
		75	98	73	14,5	M 75x2	1,15	HA 2315	KM 15	MB 15	HMV 15 E
		75	98	43	14,5	M 75x2	0,70	HE 215	KM 15	MB 15	HMV 15 E
2 1/2	63,500	75	98	55	14,5	M 75x2	0,85	HE 315	KM 15	MB 15	HMV 15 E
		75	98	55	16	M 75x2	0,87	HE 315 E	KMFE 15	-	HMV 15 E
		75	98	73	14,5	M 75x2	1,09	HE 2315	KM 15	MB 15	HMV 15 E
		75	98	43	14,5	M 75x2	0,70	HS 215	KM 15	MB 15	HMV 15 E
2 5/8	66,675	75	98	55	14,5	M 75x2	0,71	HS 315	KM 15	MB 15	HMV 15 E
		75	98	73	14,5	M 75x2	0,90	HS 2315	KM 15	MB 15	HMV 15 E
		80	105	46	17	M 80x2	0,87	HA 216	KM 16	MB 16	HMV 16 E
		80	105	59	17	M 80x2	1,05	HA 316	KM 16	MB 16	HMV 16 E
2 11/16	68,263	80	105	59	18	M 80x2	1,06	HA 316 E	KMFE 16	-	HMV 16 E
		80	105	78	17	M 80x2	1,30	HA 2316	KM 16	MB 16	HMV 16 E
		80	105	46	17	M 80x2	0,81	HE 216	KM 16	MB 16	HMV 16 E
		80	105	59	17	M 80x2	0,97	HE 316	KM 16	MB 16	HMV 16 E
2 3/4	69,850	80	105	59	18	M 80x2	0,98	HE 316 E	KMFE 16	-	HMV 16 E
		80	105	78	17	M 80x2	1,20	HE 2316	KM 16	MB 16	HMV 16 E
		85	110	50	18	M 85x2	0,94	HA 217	KM 17	MB 17	HMV 17 E
		85	110	63	18	M 85x2	1,10	HA 317	KM 17	MB 17	HMV 17 E
2 15/16	74,613	85	110	63	19	M 85x2	1,19	HA 317 E	KMFE 17	-	HMV 17 E
		85	110	82	18	M 85x2	1,40	HA 2317	KM 17	MB 17	HMV 17 E
		85	110	50	18	M 85x2	0,87	HE 217	KM 17	MB 17	HMV 17 E
		85	110	63	18	M 85x2	1,00	HE 317	KM 17	MB 17	HMV 17 E
3	76,200	85	110	63	19	M 85x2	0,99	HE 317 E	KMFE 17	-	HMV 17 E
		85	110	82	18	M 85x2	1,30	HE 2317	KM 17	MB 17	HMV 17 E

Dimensions						Mass	Designations Adapter sleeve with nut and locking device	Appertaining lock nut	locking device	Appropriate hydraulic nut	
d_1	d	d_3	B_1	B_2	G						
in	mm					kg					
3 3/16	80,963	90	120	52	18	M 90x2	1,05	HA 218	KM 18	MB 18	HMV 18 E
		90	120	65	18	M 90x2	1,25	HA 318	KM 18	MB 18	HMV 18 E
		90	120	65	19	M 90x2	1,26	HA 318 E	KMFE 18	-	HMV 18 E
		90	120	86	18	M 90x2	1,50	HA 2318	KM 18	MB 18	HMV 18 E
3 1/4	82,550	90	120	52	18	M 90x2	0,97	HE 218	KM 18	MB 18	HMV 18 E
		90	120	65	18	M 90x2	1,10	HE 318	KM 18	MB 18	HMV 18 E
		90	120	65	19	M 90x2	1,11	HE 318 E	KMFE 18	-	HMV 18 E
		90	120	86	18	M 90x2	1,40	HE 2318	KM 18	MB 18	HMV 18 E
3 1/2	87,313	95	125	55	19	M 95x2	1,35	HE 219	KM 19	MB 19	HMV 19 E
		95	125	68	19	M 95x2	1,60	HE 319	KM 19	MB 19	HMV 19 E
		95	125	68	20	M 95x2	1,61	HE 319 E	KMFE 19	-	HMV 19 E
		95	125	90	19	M 95x2	2,00	HE 2319	KM 19	MB 19	HMV 19 E
3 7/16	88,900	100	130	58	20	M 100x2	1,55	HA 220	KM 20	MB 20	HMV 20 E
		100	130	71	20	M 100x2	1,80	HA 320	KM 20	MB 20	HMV 20 E
		100	130	71	21	M 100x2	1,75	HA 320 E	KMFE 20	-	HMV 20 E
		100	130	97	20	M 100x2	2,35	HA 2320	KM 20	MB 20	HMV 20 E
3 1/2	88,900	100	130	58	20	M 100x2	1,45	HE 220	KM 20	MB 20	HMV 20 E
		100	130	71	20	M 100x2	1,75	HE 320	KM 20	MB 20	HMV 20 E
		100	130	71	21	M 100x2	1,70	HE 320 E	KMFE 20	-	HMV 20 E
		100	130	76	20	M 100x2	1,80	HE 3120	KM 20	MB 20	HMV 20 E
4	101,600	100	130	97	20	M 100x2	2,20	HE 2320	KM 20	MB 20	HMV 20 E
		110	145	63	21	M 110x2	1,65	HE 222	KM 22	MB 22	HMV 22 E
		110	145	77	21	M 110x2	1,90	HE 322	KM 22	MB 22	HMV 22 E
		110	145	77	21,5	M 110x2	1,85	HE 322 E	KMFE 22	-	HMV 22 E
4 3/16	106,363	110	145	81	21	M 110x2	2,25	HE 3122	KM 22	MB 22	HMV 22 E
		110	145	105	21	M 110x2	2,40	HE 2322	KM 22	MB 22	HMV 22 E
		120	145	72	22	M 120x2	2,25	HA 3024	KML 24	MBL 24	HMV 24 E
		120	155	72	26	M 120x2	2,32	HA 3024 E	KMFE 24	-	HMV 24 E
4 1/2	106,363	120	155	88	22	M 120x2	2,90	HA 3124	KM 24	MB 24	HMV 24 E
		120	145	88	22	M 120x2	2,60	HA 3124 L	KML 24	MBL 24	HMV 24 E
		120	155	112	22	M 120x2	3,60	HA 2324	KM 24	MB 24	HMV 24 E
		120	145	112	22	M 120x2	3,30	HA 2324 L	KML 24	MBL 24	HMV 24 E