

Adapter Sleeve and Withdrawal Sleeve Finder — H 2xx / H 3xx, HA, HE, OH, SNW (inch), AH / AHX / AOH by Shaft Diameter (SKF)

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Adapter sleeves mount tapered-bore bearings (suffix K) on plain shafts: the sleeve is drawn into the bearing bore with its lock nut, expanding the bearing onto the shaft. The designation follows the bearing series and bore code (H 209 fits a 2209 K or 1209 K bearing of 45 mm bore on a 40 mm shaft; H 309 the 300 series), HA/HE sleeves are the 3xx/2xx sizes for 22xxx K and 23xxx K spherical roller bearings, OH sleeves the large hydraulic sizes, SNW/SNP the inch-shaft series. Withdrawal sleeves AH, AHX and AOH are pressed in from the opposite side and used where the bearing is located by a shaft shoulder. The finder lists the catalogue by shaft diameter with the bearing bore each sleeve serves.

Section	Shaft diameter d1	For bearing bore	Designation	Type	Part number
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	17 mm	20 mm	H204	H	H204
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	19.05 mm	25 mm	HE205	HE (for 23xxx K)	HE205
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	19.05 mm	25 mm	HE2305	HE (for 23xxx K)	HE2305
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	19.05 mm	25 mm	HE305	HE (for 23xxx K)	HE305
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	20 mm	—	H305C	H	H305C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	20 mm	—	H305E	H	H305E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	20 mm	25 mm	H205	H	H205
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	20 mm	25 mm	H2305	H	H2305
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	20 mm	25 mm	H305	H	H305
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	20 mm	25 mm	H 205	H	H 205
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	23.81 mm	30 mm	HA206	HA (for 22xxx K)	HA206
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	23.81 mm	30 mm	HA306	HA (for 22xxx K)	HA306
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25 mm	—	H306C	H	H306C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25 mm	—	H306E	H	H306E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25 mm	30 mm	H206	H	H206
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25 mm	30 mm	H2306	H	H2306
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25 mm	30 mm	H306	H	H306
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25 mm	30 mm	H 206	H	H 206
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25 mm	30 mm	H 306	H	H 306

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25.4 mm	30 mm	HE206	HE (for 23xxx K)	HE206
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25.4 mm	30 mm	HE2306	HE (for 23xxx K)	HE2306
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	25.4 mm	30 mm	HE306	HE (for 23xxx K)	HE306
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30 mm	—	H307C	H	H307C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30 mm	—	H307E	H	H307E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30 mm	35 mm	H207	H	H207
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30 mm	35 mm	H2307	H	H2307
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30 mm	35 mm	H307	H	H307
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30 mm	35 mm	H 307	H	H 307
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30.16 mm	35 mm	HA207	HA (for 22xxx K)	HA207
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30.16 mm	35 mm	HA2307	HA (for 22xxx K)	HA2307
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	30.16 mm	35 mm	HA307	HA (for 22xxx K)	HA307
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	31.75 mm	40 mm	HE208	HE (for 23xxx K)	HE208
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	31.75 mm	40 mm	HE2308	HE (for 23xxx K)	HE2308
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	31.75 mm	40 mm	HE308	HE (for 23xxx K)	HE308
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	34.92 mm	40 mm	HS308	H	HS308
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	35 mm	—	H2308E	H	H2308E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	35 mm	—	H308C	H	H308C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	35 mm	—	H308E	H	H308E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	35 mm	H 2307	H	H 2307
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	35 mm	40 mm	H208	H	H208
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	35 mm	40 mm	H2308	H	H2308
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	35 mm	40 mm	H308	H	H308
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	36.51 mm	—	HA309E	HA (for 22xxx K)	HA309E

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	36.51 mm	45 mm	HA209	HA (for 22xxx K)	HA209
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	36.51 mm	45 mm	HA2309	HA (for 22xxx K)	HA2309
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	36.51 mm	45 mm	HA309	HA (for 22xxx K)	HA309
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	38.1 mm	—	HE309E	HE (for 23xxx K)	HE309E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	38.1 mm	45 mm	HE209	HE (for 23xxx K)	HE209
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	38.1 mm	45 mm	HE2309	HE (for 23xxx K)	HE2309
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	38.1 mm	45 mm	HE309	HE (for 23xxx K)	HE309
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	40 mm	—	H309C	H	H309C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	40 mm	—	H309E	H	H309E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	40 mm	H 2308	H	H 2308
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	40 mm	45 mm	H209	H	H209
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	40 mm	45 mm	H2309	H	H2309
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	40 mm	45 mm	H309	H	H309
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	40 mm	45 mm	H 209	H	H 209
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	42.86 mm	—	HA310E	HA (for 22xxx K)	HA310E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	42.86 mm	50 mm	HA210	HA (for 22xxx K)	HA210
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	42.86 mm	50 mm	HA2310	HA (for 22xxx K)	HA2310
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	42.86 mm	50 mm	HA310	HA (for 22xxx K)	HA310
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	44.45 mm	—	HE310E	HE (for 23xxx K)	HE310E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	44.45 mm	50 mm	HE210	HE (for 23xxx K)	HE210
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	44.45 mm	50 mm	HE2310	HE (for 23xxx K)	HE2310
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	44.45 mm	50 mm	HE310	HE (for 23xxx K)	HE310
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	45 mm	—	H310C	H	H310C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	45 mm	—	H310E	H	H310E

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	45 mm	50 mm	H210	H	H210
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	45 mm	50 mm	H2310	H	H2310
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	45 mm	50 mm	H310	H	H310
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	49.21 mm	—	HA311E	HA (for 22xxx K)	HA311E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	49.21 mm	55 mm	HA211	HA (for 22xxx K)	HA211
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	49.21 mm	55 mm	HA2311	HA (for 22xxx K)	HA2311
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	49.21 mm	55 mm	HA311	HA (for 22xxx K)	HA311
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50 mm	—	H311C	H	H311C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50 mm	—	H311E	H	H311E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	50 mm	H 2310	H	H 2310
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50 mm	55 mm	H211	H	H211
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50 mm	55 mm	H2311	H	H2311
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50 mm	55 mm	H311	H	H311
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50 mm	55 mm	H 211	H	H 211
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50 mm	55 mm	H 311	H	H 311
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50.8 mm	—	HE211B	HE (for 23xxx K)	HE211B
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50.8 mm	—	HE2311B	HE (for 23xxx K)	HE2311B
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50.8 mm	—	HE311B	HE (for 23xxx K)	HE311B
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	50.8 mm	—	HE311BE	HE (for 23xxx K)	HE311BE
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55 mm	—	H312E	H	H312E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55 mm	60 mm	H212	H	H212
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55 mm	60 mm	H2312	H	H2312
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55 mm	60 mm	H312	H	H312
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55 mm	60 mm	H 312	H	H 312

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55.56 mm	—	HA313E	HA (for 22xxx K)	HA313E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55.56 mm	65 mm	HA213	HA (for 22xxx K)	HA213
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55.56 mm	65 mm	HA2313	HA (for 22xxx K)	HA2313
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	55.56 mm	65 mm	HA313	HA (for 22xxx K)	HA313
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	57.15 mm	65 mm	HE213	HE (for 23xxx K)	HE213
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	57.15 mm	65 mm	HE2313	HE (for 23xxx K)	HE2313
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	57.15 mm	65 mm	HE313	HE (for 23xxx K)	HE313
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	—	H2313E	H	H2313E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	—	H313C	H	H313C
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	—	H313E	H	H313E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	—	H314E	H	H314E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	65 mm	H213	H	H213
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	65 mm	H2313	H	H2313
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	65 mm	H313	H	H313
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	65 mm	H 213	H	H 213
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	70 mm	H2314	H	H2314
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	60 mm	70 mm	H314	H	H314
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	61.91 mm	—	HA315E	HA (for 22xxx K)	HA315E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	61.91 mm	75 mm	HA215	HA (for 22xxx K)	HA215
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	61.91 mm	75 mm	HA2315	HA (for 22xxx K)	HA2315
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	61.91 mm	75 mm	HA315	HA (for 22xxx K)	HA315
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	63.5 mm	—	HE315E	HE (for 23xxx K)	HE315E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	63.5 mm	75 mm	HE215	HE (for 23xxx K)	HE215
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	63.5 mm	75 mm	HE2315	HE (for 23xxx K)	HE2315

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	63.5 mm	75 mm	HE315	HE (for 23xxx K)	HE315
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	65 mm	—	H315E	H	H315E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	65 mm	H 2313	H	H 2313
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	65 mm	75 mm	H215	H	H215
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	65 mm	75 mm	H2315	H	H2315
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	65 mm	75 mm	H315	H	H315
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	66.68 mm	75 mm	HS315	H	HS315
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	68.26 mm	—	HA316E	HA (for 22xxx K)	HA316E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	68.26 mm	80 mm	HA216	HA (for 22xxx K)	HA216
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	68.26 mm	80 mm	HA2316	HA (for 22xxx K)	HA2316
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	68.26 mm	80 mm	HA316	HA (for 22xxx K)	HA316
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	69.85 mm	80 mm	HE216	HE (for 23xxx K)	HE216
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	69.85 mm	80 mm	HE2316	HE (for 23xxx K)	HE2316
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	69.85 mm	80 mm	HE316	HE (for 23xxx K)	HE316
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	70 mm	—	H316E	H	H316E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	70 mm	H 2314	H	H 2314
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	70 mm	80 mm	H216	H	H216
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	70 mm	80 mm	H2316	H	H2316
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	70 mm	80 mm	H316	H	H316
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	70 mm	80 mm	H 216	H	H 216
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	74.61 mm	—	HA317E	HA (for 22xxx K)	HA317E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	74.61 mm	85 mm	HA217	HA (for 22xxx K)	HA217
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	74.61 mm	85 mm	HA2317	HA (for 22xxx K)	HA2317
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	74.61 mm	85 mm	HA317	HA (for 22xxx K)	HA317

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	75 mm	—	H317E	H	H317E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	75 mm	85 mm	H217	H	H217
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	75 mm	85 mm	H2317	H	H2317
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	75 mm	85 mm	H317	H	H317
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	76.2 mm	—	HE317E	HE (for 23xxx K)	HE317E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	76.2 mm	85 mm	HE217	HE (for 23xxx K)	HE217
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	76.2 mm	85 mm	HE2317	HE (for 23xxx K)	HE2317
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	76.2 mm	85 mm	HE317	HE (for 23xxx K)	HE317
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80 mm	—	H2318E/L73	H	H2318E/L73
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80 mm	—	H318E	H	H318E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80 mm	90 mm	H218	H	H218
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80 mm	90 mm	H2318	H	H2318
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80 mm	90 mm	H318	H	H318
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80.96 mm	—	HA318E	HA (for 22xxx K)	HA318E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80.96 mm	90 mm	HA218	HA (for 22xxx K)	HA218
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80.96 mm	90 mm	HA2318	HA (for 22xxx K)	HA2318
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	80.96 mm	90 mm	HA318	HA (for 22xxx K)	HA318
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	82.55 mm	90 mm	HE218	HE (for 23xxx K)	HE218
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	82.55 mm	90 mm	HE2318	HE (for 23xxx K)	HE2318
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	82.55 mm	90 mm	HE318	HE (for 23xxx K)	HE318
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	82.55 mm	95 mm	HE219	HE (for 23xxx K)	HE219
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	82.55 mm	95 mm	HE2319	HE (for 23xxx K)	HE2319
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	82.55 mm	95 mm	HE319	HE (for 23xxx K)	HE319
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	85 mm	H 2317	H	H 2317

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	85 mm	95 mm	H219	H	H219
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	85 mm	95 mm	H2319	H	H2319
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	85 mm	95 mm	H319	H	H319
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	85 mm	95 mm	H 319	H	H 319
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	87.31 mm	100 mm	HA3120	HA (for 22xxx K)	HA3120
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	87.31 mm	—	HA2320E	HA (for 22xxx K)	HA2320E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	87.31 mm	—	HA320E	HA (for 22xxx K)	HA320E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	87.31 mm	100 mm	HA220	HA (for 22xxx K)	HA220
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	87.31 mm	100 mm	HA2320	HA (for 22xxx K)	HA2320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	87.31 mm	100 mm	HA320	HA (for 22xxx K)	HA320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	88.9 mm	—	HE320E	HE (for 23xxx K)	HE320E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	88.9 mm	100 mm	HE220	HE (for 23xxx K)	HE220
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	88.9 mm	100 mm	HE2320	HE (for 23xxx K)	HE2320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	88.9 mm	100 mm	HE3120	HE (for 23xxx K)	HE3120
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	88.9 mm	100 mm	HE320	HE (for 23xxx K)	HE320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	—	H2320E	H	H2320E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	—	H320E	H	H320E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	100 mm	H220	H	H220
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	100 mm	H2320	H	H2320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	100 mm	H3120	H	H3120
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	100 mm	H320	H	H320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	100 mm	H 320	H	H 320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	90 mm	100 mm	H 220	H	H 220
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	100 mm	—	H2322E	H	H2322E

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	100 mm	—	H322E	H	H322E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	100 mm	H 2320	H	H 2320
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	100 mm	110 mm	H222	H	H222
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	100 mm	110 mm	H2322	H	H2322
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	100 mm	110 mm	H3122	H	H3122
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	100 mm	110 mm	H322	H	H322
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	101.6 mm	—	HE322E	HE (for 23xxx K)	HE322E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	101.6 mm	110 mm	HE222	HE (for 23xxx K)	HE222
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	101.6 mm	110 mm	HE2322	HE (for 23xxx K)	HE2322
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	101.6 mm	110 mm	HE3122	HE (for 23xxx K)	HE3122
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	101.6 mm	110 mm	HE322	HE (for 23xxx K)	HE322
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	106.36 mm	—	HA2324L	HA (for 22xxx K)	HA2324L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	106.36 mm	120 mm	HA2324	HA (for 22xxx K)	HA2324
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	106.36 mm	120 mm	HA3024	HA (for 22xxx K)	HA3024
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	106.36 mm	120 mm	HA3124	HA (for 22xxx K)	HA3124
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	107.95 mm	120 mm	HE2324	HE (for 23xxx K)	HE2324
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	107.95 mm	120 mm	HE3024	HE (for 23xxx K)	HE3024
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	107.95 mm	120 mm	HE3124	HE (for 23xxx K)	HE3124
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	110 mm	—	H2324E	H	H2324E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	110 mm	—	H2324EH	H	H2324EH
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	110 mm	—	H2324L	H	H2324L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	110 mm	120 mm	H2324	H	H2324
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	110 mm	120 mm	H3024	H	H3024
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	110 mm	120 mm	H3124	H	H3124

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	—	HA2326L	HA (for 22xxx K)	HA2326L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	—	HA3126E	HA (for 22xxx K)	HA3126E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	—	HA3126L	HA (for 22xxx K)	HA3126L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	—	OSNW126X4.7/16	inch shaft	OSNW126X4.7/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	—	OSNW26X4.7/16	inch shaft	OSNW26X4.7/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	130 mm	HA2326	HA (for 22xxx K)	HA2326
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	130 mm	HA3026	HA (for 22xxx K)	HA3026
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	112.71 mm	130 mm	HA3126	HA (for 22xxx K)	HA3126
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	114.3 mm	—	HE3126L	HE (for 23xxx K)	HE3126L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	114.3 mm	130 mm	HE2326	HE (for 23xxx K)	HE2326
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	114.3 mm	130 mm	HE3026	HE (for 23xxx K)	HE3026
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	114.3 mm	130 mm	HE3126	HE (for 23xxx K)	HE3126
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	115 mm	—	H2326L	H	H2326L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	115 mm	—	H3126L	H	H3126L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	115 mm	130 mm	H2326	H	H2326
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	115 mm	130 mm	H3026	H	H3026
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	115 mm	130 mm	H3126	H	H3126
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125 mm	—	H3128L	H	H3128L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125 mm	140 mm	H2328	H	H2328
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125 mm	140 mm	H3028	H	H3028
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125 mm	140 mm	H3128	H	H3128
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125.41 mm	—	HA3128E	HA (for 22xxx K)	HA3128E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125.41 mm	—	HA3128L	HA (for 22xxx K)	HA3128L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125.41 mm	—	OSNW28X4.15/16	inch shaft	OSNW28X4.15/16

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125.41 mm	140 mm	HA2328	HA (for 22xxx K)	HA2328
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125.41 mm	140 mm	HA3028	HA (for 22xxx K)	HA3028
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	125.41 mm	140 mm	HA3128	HA (for 22xxx K)	HA3128
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	127 mm	—	HE3128L	HE (for 23xxx K)	HE3128L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	127 mm	140 mm	HE2328	HE (for 23xxx K)	HE2328
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	127 mm	140 mm	HE3128	HE (for 23xxx K)	HE3128
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	130 mm	H 3126	H	H 3126
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	131.76 mm	—	HA3130L	HA (for 22xxx K)	HA3130L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	131.76 mm	—	OSNW30X5.3/16	inch shaft	OSNW30X5.3/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	131.76 mm	150 mm	HA3030	HA (for 22xxx K)	HA3030
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	131.76 mm	150 mm	HA3130	HA (for 22xxx K)	HA3130
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	133.35 mm	—	HE3130L	HE (for 23xxx K)	HE3130L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	133.35 mm	150 mm	HE2330	HE (for 23xxx K)	HE2330
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	133.35 mm	150 mm	HE3030	HE (for 23xxx K)	HE3030
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	133.35 mm	150 mm	HE3130	HE (for 23xxx K)	HE3130
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	135 mm	—	H3030E	H	H3030E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	135 mm	—	H3130E	H	H3130E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	135 mm	—	H3130L	H	H3130L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	135 mm	150 mm	H2330	H	H2330
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	135 mm	150 mm	H3030	H	H3030
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	135 mm	150 mm	H3130	H	H3130
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	138.11 mm	—	HA2332L	HA (for 22xxx K)	HA2332L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	138.11 mm	—	HA3132E	HA (for 22xxx K)	HA3132E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	138.11 mm	—	OSNW32X5.7/16	inch shaft	OSNW32X5.7/16

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	138.11 mm	—	OSNW32X5.7/16H	inch shaft	OSNW32X5.7/16H
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	138.11 mm	160 mm	HA2332	HA (for 22xxx K)	HA2332
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	138.11 mm	160 mm	HA3032	HA (for 22xxx K)	HA3032
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	138.11 mm	160 mm	HA3132	HA (for 22xxx K)	HA3132
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	139.7 mm	—	OSNW132X5.1/2	inch shaft	OSNW132X5.1/2
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	139.7 mm	160 mm	HE2332	HE (for 23xxx K)	HE2332
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	139.7 mm	160 mm	HE3032	HE (for 23xxx K)	HE3032
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	139.7 mm	160 mm	HE3132	HE (for 23xxx K)	HE3132
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	140 mm	—	H2332L	H	H2332L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	140 mm	—	H3032E	H	H3032E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	140 mm	—	H3132L	H	H3132L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	140 mm	H 3028	H	H 3028
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	140 mm	160 mm	H2332	H	H2332
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	140 mm	160 mm	H3032	H	H3032
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	140 mm	160 mm	H3132	H	H3132
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150 mm	—	H3034E	H	H3034E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150 mm	—	H3134E	H	H3134E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150 mm	—	H3134L	H	H3134L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150 mm	170 mm	H2334	H	H2334
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150 mm	170 mm	H3034	H	H3034
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150 mm	170 mm	H3134	H	H3134
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150.81 mm	—	HA3134E	HA (for 22xxx K)	HA3134E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150.81 mm	—	HA3134L	HA (for 22xxx K)	HA3134L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150.81 mm	—	OSNW34X5.15/16	inch shaft	OSNW34X5.15/16

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150.81 mm	170 mm	HA2334	HA (for 22xxx K)	HA2334
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150.81 mm	170 mm	HA3034	HA (for 22xxx K)	HA3034
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	150.81 mm	170 mm	HA3134	HA (for 22xxx K)	HA3134
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	152.4 mm	—	HE3134L	HE (for 23xxx K)	HE3134L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	152.4 mm	—	OSNW34X6.	inch shaft	OSNW34X6.
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	152.4 mm	170 mm	HE3134	HE (for 23xxx K)	HE3134
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	160 mm	—	H3036E	H	H3036E
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	160 mm	—	H3136L	H	H3136L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	160 mm	180 mm	H2336	H	H2336
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	160 mm	180 mm	H3036	H	H3036
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	160 mm	180 mm	H3136	H	H3136
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	160 mm	180 mm	H3936	H	H3936
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	163.51 mm	—	HA3136L	HA (for 22xxx K)	HA3136L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	163.51 mm	—	OSNW136X6.7/16	inch shaft	OSNW136X6.7/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	163.51 mm	—	OSNW36X6.7/16	inch shaft	OSNW36X6.7/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	163.51 mm	180 mm	HA2336	HA (for 22xxx K)	HA2336
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	163.51 mm	180 mm	HA3036	HA (for 22xxx K)	HA3036
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	163.51 mm	180 mm	HA3136	HA (for 22xxx K)	HA3136
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	165.1 mm	—	OSNW36X6.1/2	inch shaft	OSNW36X6.1/2
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	165.1 mm	180 mm	HE3136	HE (for 23xxx K)	HE3136
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	170 mm	—	H3138L	H	H3138L
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	—	170 mm	H 3034	H	H 3034
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	170 mm	190 mm	H2338	H	H2338
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	170 mm	190 mm	H3038	H	H3038

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	170 mm	190 mm	H3138	H	H3138
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	170 mm	190 mm	H3938	H	H3938
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	171.45 mm	190 mm	HE3138	HE (for 23xxx K)	HE3138
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	176.21 mm	—	OSNW38X6.15/16	inch shaft	OSNW38X6.15/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	176.21 mm	190 mm	HA2338	HA (for 22xxx K)	HA2338
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	176.21 mm	190 mm	HA3038	HA (for 22xxx K)	HA3038
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	176.21 mm	190 mm	HA3138	HA (for 22xxx K)	HA3138
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	177.8 mm	—	OSNW3040X7H	inch shaft	OSNW3040X7H
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	177.8 mm	—	OSNW38X7.	inch shaft	OSNW38X7.
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	177.8 mm	—	OSNW38X7/VU150	inch shaft	OSNW38X7/VU150
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	177.8 mm	200 mm	HE2340	HE (for 23xxx K)	HE2340
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	177.8 mm	200 mm	HE3040	HE (for 23xxx K)	HE3040
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	177.8 mm	200 mm	HE3140	HE (for 23xxx K)	HE3140
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	180 mm	200 mm	H2340	H	H2340
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	180 mm	200 mm	H3040	H	H3040
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	180 mm	200 mm	H3140	H	H3140
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	180 mm	200 mm	H3940	H	H3940
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	182.56 mm	200 mm	HA2340	HA (for 22xxx K)	HA2340
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	182.56 mm	200 mm	HA3040	HA (for 22xxx K)	HA3040
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	182.56 mm	200 mm	HA3140	HA (for 22xxx K)	HA3140
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	190.5 mm	—	OSNW44X7.1/2	inch shaft	OSNW44X7.1/2
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	200 mm	220 mm	H2344	H	H2344
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	200 mm	220 mm	H3044	H	H3044
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	200 mm	220 mm	H3144	H	H3144

Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	201.61 mm	—	OSNW3044X7.15/16	inch shaft	OSNW3044X7.15/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	201.61 mm	—	OSNW44X7.15/16	inch shaft	OSNW44X7.15/16
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	203.2 mm	—	OSNW44X8.	inch shaft	OSNW44X8.
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	220 mm	240 mm	H2348	H	H2348
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	220 mm	240 mm	H3048	H	H3048
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	220 mm	240 mm	H3148	H	H3148
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	240 mm	260 mm	H2352	H	H2352
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	240 mm	260 mm	H3052	H	H3052
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	240 mm	260 mm	H3152	H	H3152
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	260 mm	280 mm	H2356	H	H2356
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	260 mm	280 mm	H3056	H	H3056
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	260 mm	280 mm	H3156	H	H3156
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	280 mm	300 mm	H3060	H	H3060
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	280 mm	300 mm	H3160	H	H3160
Adapter sleeves H / HA / HE / HS (with KM nut and MB washer)	280 mm	300 mm	H3260	H	H3260
Adapter sleeves OH (large sizes, hydraulic)	140 mm	—	OH2332H	OH (hydraulic)	OH2332H
Adapter sleeves OH (large sizes, hydraulic)	140 mm	—	OH3032H	OH (hydraulic)	OH3032H
Adapter sleeves OH (large sizes, hydraulic)	140 mm	—	OH3132H	OH (hydraulic)	OH3132H
Adapter sleeves OH (large sizes, hydraulic)	150 mm	—	OH3134H	OH (hydraulic)	OH3134H
Adapter sleeves OH (large sizes, hydraulic)	160 mm	—	OH2336H	OH (hydraulic)	OH2336H
Adapter sleeves OH (large sizes, hydraulic)	160 mm	—	OH3036H	OH (hydraulic)	OH3036H
Adapter sleeves OH (large sizes, hydraulic)	160 mm	—	OH3136H	OH (hydraulic)	OH3136H
Adapter sleeves OH (large sizes, hydraulic)	170 mm	—	OH2338H	OH (hydraulic)	OH2338H
Adapter sleeves OH (large sizes, hydraulic)	170 mm	—	OH3138H	OH (hydraulic)	OH3138H
Adapter sleeves OH (large sizes, hydraulic)	180 mm	—	OH2340H	OH (hydraulic)	OH2340H
Adapter sleeves OH (large sizes, hydraulic)	180 mm	—	OH3040H	OH (hydraulic)	OH3040H
Adapter sleeves OH (large sizes, hydraulic)	180 mm	—	OH3140H	OH (hydraulic)	OH3140H
Adapter sleeves OH (large sizes, hydraulic)	200 mm	—	OH2344H	OH (hydraulic)	OH2344H
Adapter sleeves OH (large sizes, hydraulic)	200 mm	—	OH3044H	OH (hydraulic)	OH3044H
Adapter sleeves OH (large sizes, hydraulic)	200 mm	—	OH3144H	OH (hydraulic)	OH3144H

Adapter sleeves OH (large sizes, hydraulic)	200 mm	—	OH3144HTL	OH (hydraulic)	OH3144HTL
Adapter sleeves OH (large sizes, hydraulic)	200 mm	—	OH3944H	OH (hydraulic)	OH3944H
Adapter sleeves OH (large sizes, hydraulic)	220 mm	—	OH2348H	OH (hydraulic)	OH2348H
Adapter sleeves OH (large sizes, hydraulic)	220 mm	—	OH3048H	OH (hydraulic)	OH3048H
Adapter sleeves OH (large sizes, hydraulic)	220 mm	—	OH3048HE	OH (hydraulic)	OH3048HE
Adapter sleeves OH (large sizes, hydraulic)	220 mm	—	OH3148H	OH (hydraulic)	OH3148H
Adapter sleeves OH (large sizes, hydraulic)	220 mm	—	OH3148HTL	OH (hydraulic)	OH3148HTL
Adapter sleeves OH (large sizes, hydraulic)	220 mm	—	OH3948H	OH (hydraulic)	OH3948H
Adapter sleeves OH (large sizes, hydraulic)	240 mm	—	OH2352H	OH (hydraulic)	OH2352H
Adapter sleeves OH (large sizes, hydraulic)	240 mm	—	OH3052H	OH (hydraulic)	OH3052H
Adapter sleeves OH (large sizes, hydraulic)	240 mm	—	OH3052HE	OH (hydraulic)	OH3052HE
Adapter sleeves OH (large sizes, hydraulic)	240 mm	—	OH3152H	OH (hydraulic)	OH3152H
Adapter sleeves OH (large sizes, hydraulic)	240 mm	—	OH3152HTL	OH (hydraulic)	OH3152HTL
Adapter sleeves OH (large sizes, hydraulic)	240 mm	—	OH3952H	OH (hydraulic)	OH3952H
Adapter sleeves OH (large sizes, hydraulic)	260 mm	—	OH2356H	OH (hydraulic)	OH2356H
Adapter sleeves OH (large sizes, hydraulic)	260 mm	—	OH3056H	OH (hydraulic)	OH3056H
Adapter sleeves OH (large sizes, hydraulic)	260 mm	—	OH3156H	OH (hydraulic)	OH3156H
Adapter sleeves OH (large sizes, hydraulic)	260 mm	—	OH3156HTL	OH (hydraulic)	OH3156HTL
Adapter sleeves OH (large sizes, hydraulic)	260 mm	—	OH3956H	OH (hydraulic)	OH3956H
Adapter sleeves OH (large sizes, hydraulic)	280 mm	—	OH3060H	OH (hydraulic)	OH3060H
Adapter sleeves OH (large sizes, hydraulic)	280 mm	—	OH3160H	OH (hydraulic)	OH3160H
Adapter sleeves OH (large sizes, hydraulic)	280 mm	—	OH3160HE	OH (hydraulic)	OH3160HE
Adapter sleeves OH (large sizes, hydraulic)	280 mm	—	OH3260H	OH (hydraulic)	OH3260H
Adapter sleeves OH (large sizes, hydraulic)	280 mm	—	OH3960H	OH (hydraulic)	OH3960H
Adapter sleeves OH (large sizes, hydraulic)	300 mm	—	OH3064H	OH (hydraulic)	OH3064H
Adapter sleeves OH (large sizes, hydraulic)	300 mm	—	OH3164H	OH (hydraulic)	OH3164H
Adapter sleeves OH (large sizes, hydraulic)	300 mm	—	OH3264H	OH (hydraulic)	OH3264H
Adapter sleeves OH (large sizes, hydraulic)	300 mm	—	OH3964H	OH (hydraulic)	OH3964H
Adapter sleeves OH (large sizes, hydraulic)	320 mm	—	OH3068H	OH (hydraulic)	OH3068H
Adapter sleeves OH (large sizes, hydraulic)	320 mm	—	OH3168H	OH (hydraulic)	OH3168H
Adapter sleeves OH (large sizes, hydraulic)	320 mm	—	OH3168HE	OH (hydraulic)	OH3168HE
Adapter sleeves OH (large sizes, hydraulic)	320 mm	—	OH3268H	OH (hydraulic)	OH3268H
Adapter sleeves OH (large sizes, hydraulic)	320 mm	—	OH3968H	OH (hydraulic)	OH3968H
Adapter sleeves OH (large sizes, hydraulic)	340 mm	—	OH3072H	OH (hydraulic)	OH3072H
Adapter sleeves OH (large sizes, hydraulic)	340 mm	—	OH3172H	OH (hydraulic)	OH3172H
Adapter sleeves OH (large sizes, hydraulic)	340 mm	—	OH3172HE	OH (hydraulic)	OH3172HE
Adapter sleeves OH (large sizes, hydraulic)	340 mm	—	OH3272H	OH (hydraulic)	OH3272H
Adapter sleeves OH (large sizes, hydraulic)	340 mm	—	OH3972HE	OH (hydraulic)	OH3972HE
Adapter sleeves OH (large sizes, hydraulic)	360 mm	—	OH3076H	OH (hydraulic)	OH3076H

Adapter sleeves OH (large sizes, hydraulic)	360 mm	—	OH3176H	OH (hydraulic)	OH3176H
Adapter sleeves OH (large sizes, hydraulic)	360 mm	—	OH3176HE	OH (hydraulic)	OH3176HE
Adapter sleeves OH (large sizes, hydraulic)	360 mm	—	OH3276H	OH (hydraulic)	OH3276H
Adapter sleeves OH (large sizes, hydraulic)	380 mm	—	OH3080H	OH (hydraulic)	OH3080H
Adapter sleeves OH (large sizes, hydraulic)	380 mm	—	OH3180H	OH (hydraulic)	OH3180H
Adapter sleeves OH (large sizes, hydraulic)	380 mm	—	OH3180HE	OH (hydraulic)	OH3180HE
Adapter sleeves OH (large sizes, hydraulic)	380 mm	—	OH3280H	OH (hydraulic)	OH3280H
Adapter sleeves OH (large sizes, hydraulic)	400 mm	—	OH3084H	OH (hydraulic)	OH3084H
Adapter sleeves OH (large sizes, hydraulic)	400 mm	—	OH3184H	OH (hydraulic)	OH3184H
Adapter sleeves OH (large sizes, hydraulic)	400 mm	—	OH3284H	OH (hydraulic)	OH3284H
Adapter sleeves OH (large sizes, hydraulic)	400 mm	—	OH3984HE	OH (hydraulic)	OH3984HE
Adapter sleeves OH (large sizes, hydraulic)	410 mm	—	OH3088H	OH (hydraulic)	OH3088H
Adapter sleeves OH (large sizes, hydraulic)	410 mm	—	OH3188H	OH (hydraulic)	OH3188H
Adapter sleeves OH (large sizes, hydraulic)	410 mm	—	OH3288H	OH (hydraulic)	OH3288H
Adapter sleeves OH (large sizes, hydraulic)	430 mm	—	OH3092H	OH (hydraulic)	OH3092H
Adapter sleeves OH (large sizes, hydraulic)	430 mm	—	OH3192H	OH (hydraulic)	OH3192H
Adapter sleeves OH (large sizes, hydraulic)	430 mm	—	OH3292H	OH (hydraulic)	OH3292H
Adapter sleeves OH (large sizes, hydraulic)	450 mm	—	OH3096H	OH (hydraulic)	OH3096H
Adapter sleeves OH (large sizes, hydraulic)	450 mm	—	OH3196H	OH (hydraulic)	OH3196H
Adapter sleeves OH (large sizes, hydraulic)	450 mm	—	OH3296H	OH (hydraulic)	OH3296H
Adapter sleeves OH (large sizes, hydraulic)	470 mm	—	OH30/500H	OH (hydraulic)	OH30/500H
Adapter sleeves OH (large sizes, hydraulic)	470 mm	—	OH31/500H	OH (hydraulic)	OH31/500H
Adapter sleeves OH (large sizes, hydraulic)	500 mm	—	OH30/530H	OH (hydraulic)	OH30/530H
Adapter sleeves OH (large sizes, hydraulic)	500 mm	—	OH31/530H	OH (hydraulic)	OH31/530H
Adapter sleeves OH (large sizes, hydraulic)	530 mm	—	OH30/560H	OH (hydraulic)	OH30/560H
Adapter sleeves OH (large sizes, hydraulic)	530 mm	—	OH31/560H	OH (hydraulic)	OH31/560H
Adapter sleeves OH (large sizes, hydraulic)	530 mm	—	OH39/560HE	OH (hydraulic)	OH39/560HE
Adapter sleeves OH (large sizes, hydraulic)	560 mm	—	OH31/600H	OH (hydraulic)	OH31/600H
Adapter sleeves OH (large sizes, hydraulic)	560 mm	—	OH32/600H	OH (hydraulic)	OH32/600H
Adapter sleeves OH (large sizes, hydraulic)	600 mm	—	OH30/630H	OH (hydraulic)	OH30/630H
Adapter sleeves OH (large sizes, hydraulic)	600 mm	—	OH31/630H	OH (hydraulic)	OH31/630H
Adapter sleeves OH (large sizes, hydraulic)	600 mm	—	OH39/630H	OH (hydraulic)	OH39/630H
Adapter sleeves OH (large sizes, hydraulic)	630 mm	—	OH30/670H	OH (hydraulic)	OH30/670H
Adapter sleeves OH (large sizes, hydraulic)	630 mm	—	OH32/670H	OH (hydraulic)	OH32/670H
Adapter sleeves OH (large sizes, hydraulic)	670 mm	—	OH30/710H	OH (hydraulic)	OH30/710H
Adapter sleeves OH (large sizes, hydraulic)	670 mm	—	OH31/710H	OH (hydraulic)	OH31/710H
Adapter sleeves OH (large sizes, hydraulic)	670 mm	—	OH31/710HE	OH (hydraulic)	OH31/710HE
Adapter sleeves OH (large sizes, hydraulic)	670 mm	—	OH39/710H	OH (hydraulic)	OH39/710H
Adapter sleeves OH (large sizes, hydraulic)	670 mm	—	OH39/710HE	OH (hydraulic)	OH39/710HE

Adapter sleeves OH (large sizes, hydraulic)	710 mm	—	OH31/750HE	OH (hydraulic)	OH31/750HE
Adapter sleeves OH (large sizes, hydraulic)	750 mm	—	OH30/800H	OH (hydraulic)	OH30/800H
Adapter sleeves OH (large sizes, hydraulic)	800 mm	—	OH30/850H	OH (hydraulic)	OH30/850H
Adapter sleeves OH (large sizes, hydraulic)	850 mm	—	OH30/900H	OH (hydraulic)	OH30/900H
Adapter sleeves OH (large sizes, hydraulic)	850 mm	—	OH39/900H	OH (hydraulic)	OH39/900H
Adapter sleeves OH (large sizes, hydraulic)	1000 mm	—	OH39/1060H	OH (hydraulic)	OH39/1060H
Adapter sleeves for inch shafts (SNW / SNP)	19.05 mm	—	SNW5X3/4	inch shaft	SNW5X3/4
Adapter sleeves for inch shafts (SNW / SNP)	23.81 mm	—	SNW6X15/16	inch shaft	SNW6X15/16
Adapter sleeves for inch shafts (SNW / SNP)	25.4 mm	—	SNW6X1.	inch shaft	SNW6X1.
Adapter sleeves for inch shafts (SNW / SNP)	28.58 mm	—	SNW7X1.1/8	inch shaft	SNW7X1.1/8
Adapter sleeves for inch shafts (SNW / SNP)	30.16 mm	—	SNW7X1.3/16	inch shaft	SNW7X1.3/16
Adapter sleeves for inch shafts (SNW / SNP)	31.75 mm	—	SNW7X1.1/4	inch shaft	SNW7X1.1/4
Adapter sleeves for inch shafts (SNW / SNP)	31.75 mm	—	SNW8X1.1/4	inch shaft	SNW8X1.1/4
Adapter sleeves for inch shafts (SNW / SNP)	33.34 mm	—	SNW8X1.5/16	inch shaft	SNW8X1.5/16
Adapter sleeves for inch shafts (SNW / SNP)	33.34 mm	—	SNW9X1.5/16	inch shaft	SNW9X1.5/16
Adapter sleeves for inch shafts (SNW / SNP)	34.92 mm	—	SNW8X1.3/8	inch shaft	SNW8X1.3/8
Adapter sleeves for inch shafts (SNW / SNP)	34.92 mm	—	SNW9X1.3/8	inch shaft	SNW9X1.3/8
Adapter sleeves for inch shafts (SNW / SNP)	36.51 mm	—	SNW109X1.7/16	inch shaft	SNW109X1.7/16
Adapter sleeves for inch shafts (SNW / SNP)	36.51 mm	—	SNW9X1.7/16	inch shaft	SNW9X1.7/16
Adapter sleeves for inch shafts (SNW / SNP)	38.1 mm	—	SNW109X1.1/2	inch shaft	SNW109X1.1/2
Adapter sleeves for inch shafts (SNW / SNP)	38.1 mm	—	SNW9X1.1/2	inch shaft	SNW9X1.1/2
Adapter sleeves for inch shafts (SNW / SNP)	41.28 mm	—	SNW10X1.5/8	inch shaft	SNW10X1.5/8
Adapter sleeves for inch shafts (SNW / SNP)	42.86 mm	—	SNW10X1.11/16	inch shaft	SNW10X1.11/16
Adapter sleeves for inch shafts (SNW / SNP)	42.86 mm	—	SNW110X1.11/16	inch shaft	SNW110X1.11/16
Adapter sleeves for inch shafts (SNW / SNP)	44.45 mm	—	SNW10X1.3/4	inch shaft	SNW10X1.3/4
Adapter sleeves for inch shafts (SNW / SNP)	44.45 mm	—	SNW110X1.3/4	inch shaft	SNW110X1.3/4
Adapter sleeves for inch shafts (SNW / SNP)	46.04 mm	—	SNW11X1.13/16	inch shaft	SNW11X1.13/16
Adapter sleeves for inch shafts (SNW / SNP)	47.63 mm	—	SNW111X1.7/8	inch shaft	SNW111X1.7/8
Adapter sleeves for inch shafts (SNW / SNP)	47.63 mm	—	SNW11X1.7/8	inch shaft	SNW11X1.7/8
Adapter sleeves for inch shafts (SNW / SNP)	49.21 mm	—	SNW111X1.15/16	inch shaft	SNW111X1.15/16
Adapter sleeves for inch shafts (SNW / SNP)	49.21 mm	—	SNW11X1.15/16	inch shaft	SNW11X1.15/16
Adapter sleeves for inch shafts (SNW / SNP)	50.8 mm	—	SNW111X2.	inch shaft	SNW111X2.
Adapter sleeves for inch shafts (SNW / SNP)	50.8 mm	—	SNW11X2.	inch shaft	SNW11X2.
Adapter sleeves for inch shafts (SNW / SNP)	50.8 mm	—	SNW13X2.	inch shaft	SNW13X2.
Adapter sleeves for inch shafts (SNW / SNP)	52.39 mm	—	SNW112X2.1/16	inch shaft	SNW112X2.1/16
Adapter sleeves for inch shafts (SNW / SNP)	52.39 mm	—	SNW12X2.1/16	inch shaft	SNW12X2.1/16
Adapter sleeves for inch shafts (SNW / SNP)	53.98 mm	—	SNW13X2.1/8	inch shaft	SNW13X2.1/8
Adapter sleeves for inch shafts (SNW / SNP)	55.56 mm	—	SNW113X2.3/16	inch shaft	SNW113X2.3/16
Adapter sleeves for inch shafts (SNW / SNP)	55.56 mm	—	SNW13X2.3/16	inch shaft	SNW13X2.3/16

Adapter sleeves for inch shafts (SNW / SNP)	57.15 mm	—	SNW113X2.1/4	inch shaft	SNW113X2.1/4
Adapter sleeves for inch shafts (SNW / SNP)	57.15 mm	—	SNW13X2.1/4	inch shaft	SNW13X2.1/4
Adapter sleeves for inch shafts (SNW / SNP)	58.74 mm	—	SNW13X2.5/16	inch shaft	SNW13X2.5/16
Adapter sleeves for inch shafts (SNW / SNP)	60.33 mm	—	SNW115X2.3/8	inch shaft	SNW115X2.3/8
Adapter sleeves for inch shafts (SNW / SNP)	60.33 mm	—	SNW15X2.3/8	inch shaft	SNW15X2.3/8
Adapter sleeves for inch shafts (SNW / SNP)	61.91 mm	—	SNW115X2.7/16	inch shaft	SNW115X2.7/16
Adapter sleeves for inch shafts (SNW / SNP)	61.91 mm	—	SNW15X2.7/16	inch shaft	SNW15X2.7/16
Adapter sleeves for inch shafts (SNW / SNP)	63.5 mm	—	SNW115X2.1/2	inch shaft	SNW115X2.1/2
Adapter sleeves for inch shafts (SNW / SNP)	63.5 mm	—	SNW15X2.1/2	inch shaft	SNW15X2.1/2
Adapter sleeves for inch shafts (SNW / SNP)	66.68 mm	—	SNW16X2.5/8	inch shaft	SNW16X2.5/8
Adapter sleeves for inch shafts (SNW / SNP)	68.26 mm	—	SNW116X2.11/16	inch shaft	SNW116X2.11/16
Adapter sleeves for inch shafts (SNW / SNP)	68.26 mm	—	SNW16X2.11/16	inch shaft	SNW16X2.11/16
Adapter sleeves for inch shafts (SNW / SNP)	69.85 mm	—	SNW116X2.3/4	inch shaft	SNW116X2.3/4
Adapter sleeves for inch shafts (SNW / SNP)	69.85 mm	—	SNW16X2.3/4	inch shaft	SNW16X2.3/4
Adapter sleeves for inch shafts (SNW / SNP)	71.44 mm	—	SNW17X2.13/16	inch shaft	SNW17X2.13/16
Adapter sleeves for inch shafts (SNW / SNP)	73.03 mm	—	SNW17X2.7/8	inch shaft	SNW17X2.7/8
Adapter sleeves for inch shafts (SNW / SNP)	74.61 mm	—	SNW117X2.15/16	inch shaft	SNW117X2.15/16
Adapter sleeves for inch shafts (SNW / SNP)	74.61 mm	—	SNW17X2.15/16	inch shaft	SNW17X2.15/16
Adapter sleeves for inch shafts (SNW / SNP)	76.2 mm	—	SNW117X3.	inch shaft	SNW117X3.
Adapter sleeves for inch shafts (SNW / SNP)	76.2 mm	—	SNW17X3	inch shaft	SNW17X3
Adapter sleeves for inch shafts (SNW / SNP)	77.79 mm	—	SNW18X3.1/16	inch shaft	SNW18X3.1/16
Adapter sleeves for inch shafts (SNW / SNP)	79.38 mm	—	SNW18X3.1/8	inch shaft	SNW18X3.1/8

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