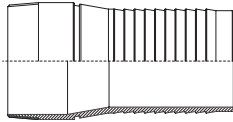


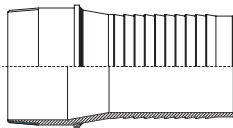
Holedall® Male Thread Stem - BSPP / BSPT / API / NPT - Yellow Zinc Plated



INTERNAL EXPANSION

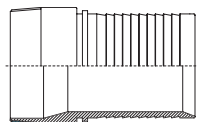
NOMINAL BORE	DN	CARBON STEEL PART NO.S			STAINLESS STEEL PART NO.S		
		BSP	BSPT	API/NPT	BSP	BSPT	API/NPT
2"	50	HA0051ZP	HA0051TZP	HA0052ZP	HA1051	HA1051T	HA1052
2 1/2"	65	HA0038ZP	HA0038TZP	HA0039ZP	HA1038	HA1038T	HA1039
3"	80	HA0033ZP	HA0033TZP	HA0034ZP	HA1033	HA1033T	HA1034
4"	100	HA0031ZP	HA0031TZP	HA0026ZP	HA1031	HA1031T	HA1026
5"	125	HA0055ZP	HA0055TZP	HA0056ZP	HA1055	HA1055T	HA1056
6"	150	HA0059ZP	HA0059TZP	HA0060ZP	HA1059	HA1059T	HA1060
8"	200	HA0144ZP	HA0144TZP	HA0145ZP	HA1144	HA1144T	HA1145
10"	250	-	HA0371ZP	-	-	-	-
12"	300	-	HA0372ZP	-	-	-	-

F



EXTERNAL SWAGE

NOMINAL BORE	DN	CARBON STEEL PART NO.S			STAINLESS STEEL PART NO.S		
		BSP	BSPT	API/NPT	BSP	BSPT	API/NPT
2"	50	HA0081ZP	HA0081TZP	HA0082ZP	HA1081	HA1081T	HA1082
2 1/2"	65	HA0084ZP	HA0084TZP	HA0085ZP	HA1084	HA1084T	HA1085
3"	80	HA0087ZP	HA0087TZP	HA0088ZP	HA1087	HA1087T	HA1088
4"	100	HA0090ZP	HA0090TZP	HA0091ZP	HA1090	HA1090T	HA1091
5"	125	HA0093ZP	HA0093TZP	HA0094ZP	HA1093	HA1093T	HA1094
6"	150	HA0096ZP	HA0096TZP	HA0097ZP	HA1096	HA1096T	HA1097
8"	200	HA0146ZP	HA0146TZP	HA0147ZP	HA1146	HA1146T	HA1147



EXTERNAL CRIMP

NOMINAL BORE	DN	CARBON STEEL PART NO.S			STAINLESS STEEL PART NO.S		
		BSP	BSPT	API/NPT	BSP	BSPT	API/NPT
3/4"	20	HA0109ZP	HA0109TZP	HA0117ZP	HA1109	HA1109T	HA1117
1"	25	HA0110ZP	HA0110TZP	HA0118ZP	HA1110	HA1110T	HA1118
1 1/4"	32	HA0111ZP	HA0111TZP	HA0119ZP	HA1111	HA1111T	HA1119
1 1/2"	40	HA0112ZP	HA0112TZP	HA0120ZP	HA1112	HA1112T	HA1120
2"	50	HA0113ZP	HA0113TZP	HA0121ZP	HA1113	HA1113T	HA1121
2 1/2"	65	HA0114ZP	HA0114TZP	HA0122ZP	HA1114	HA1114T	HA1122
3"	80	HA0115ZP	HA0115TZP	HA0123ZP	HA1115	HA1115T	HA1123
4"	100	HA0116ZP	HA0116TZP	HA0124ZP	HA1116	HA1116T	HA1124

Threaded End Stems are usually manufactured in Carbon Steel: ASTM A106 Grade A/B or API 5L Grade A/B, and
Stainless Steel: BS970: 1983 Grade 316 S11.