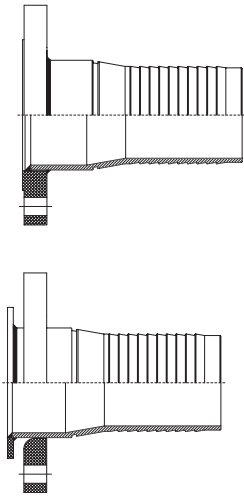
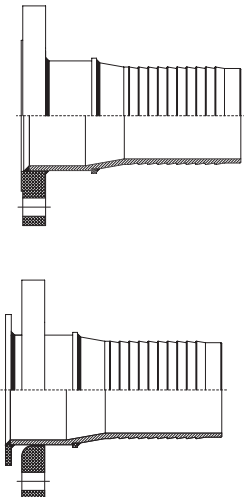


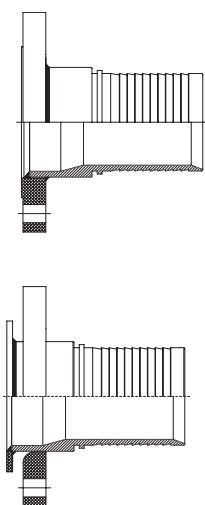
Holedall® Flanged Stem - Fixed and Swivel - Yellow Zinc Plated



INTERNAL EXPANSION					
NOMINAL BORE	DN	CARBON STEEL PART NO.S		STAINLESS STEEL PART NO.S	
		FIXED	SWIVEL	FIXED	SWIVEL
2"	50	HA0134ZP	HA0150ZP	HA1134	HA1150
2 1/2"	65	HA0135ZP	HA0151ZP	HA1135	HA1151
3"	80	HA0136ZP	HA0152ZP	HA1136	HA1152
4"	100	HA0137ZP	HA0153ZP	HA1137	HA1153
5"	125	HA0138ZP	HA0154ZP	HA1138	HA1154
6"	150	HA0139ZP	HA0155ZP	HA1139	HA1155
8"	200	HA0140ZP	HA0156ZP	HA1140	HA1156
10"	250	HA0531ZP	HA0397ZP	-	-
12"	300	HA0532ZP	HA0533ZP	-	-



EXTERNAL SWAGE					
NOMINAL BORE	DN	CARBON STEEL PART NO.S		STAINLESS STEEL PART NO.S	
		FIXED	SWIVEL	FIXED	SWIVEL
2"	50	HA0172ZP	HA0157ZP	HA1172	HA1157
2 1/2"	65	HA0173ZP	HA0158ZP	HA1173	HA1158
3"	80	HA0174ZP	HA0159ZP	HA1174	HA1159
4"	100	HA0175ZP	HA0160ZP	HA1175	HA1160
5"	125	HA0176ZP	HA0161ZP	HA1176	HA1161
6"	150	HA0177ZP	HA0162ZP	HA1177	HA1162
8"	200	HA0178ZP	HA0163ZP	HA1178	HA1163



EXTERNAL CRIMP					
NOMINAL BORE	DN	CARBON STEEL PART NO.S		STAINLESS STEEL PART NO.S	
		FIXED	SWIVEL	FIXED	SWIVEL
3/4"	20	HA0179ZP	HA0164ZP	HA1179	HA1164
1"	25	HA0180ZP	HA0165ZP	HA1180	HA1165
1 1/4"	32	HA0181ZP	HA0166ZP	HA1181	HA1166
1 1/2"	40	HA0182ZP	HA0167ZP	HA1182	HA1167
2"	50	HA0183ZP	HA0168ZP	HA1183	HA1168
2 1/2"	65	HA0184ZP	HA0169ZP	HA1184	HA1169
3"	80	HA0185ZP	HA0170ZP	HA1185	HA1170
4"	100	HA0186ZP	HA0171ZP	HA1186	HA1171

Flanged 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. Flange materials:- Carbon Steel - ASTM A105N; Stainless Steel - ASTM A182 Grade 316L Both fixed (Slip-on-Weld) and Loose (Swivel) Flanged Stems are available with Flanges in accordance with ASME/ANSI B16.5 class 150/300 lb, BS4504 PN10/16, BS10 Tables D-H. Please specify Flange type and Flange Facing with Order. Please note that on External Swage Flanged Stems only, the Ferrule is captivated between the Flange and retaining ring, therefore the ferrule must be specified with the order. For information regarding Ferrules, please refer to page 103.