

QUICK-RELEASE CAM-LOCKING COUPLINGS



FS 28046

GUYSON



QUICK-CONNECTING

To connect a cam-locking coupling, simply extend the arms, push the socket on to the plug, and then pull both handles down into the locked position adjacent to the socket body.

To disconnect pull both arms out to the extended position and pull the socket from the plug.

- No tools nor skill are needed to operate the couplings
- Joints are guaranteed leak-free every time
- The locking mechanism is simple, robust and maintenance-free

The cam-locking couplings meet the dimensional and performance requirements of US specification MIL-C-27487. Metal couplings are pressure tested to three times the recommended working pressure, polypropylene couplings to twice working pressure.

- Smooth unrestricted bore permits full flow of liquids and gases
- Alternative hose stem and threaded end connections give neat compact installations with the minimum number of joints
- Availability in brass/gun-metal, aluminium, 316 stainless steel and polypropylene allows a wide variety of fluids to be handled without corrosion

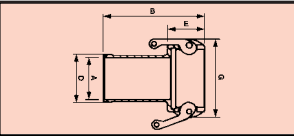
GUYSON SERVICE

The Couplings Division of Guyson offers immediate technical advice and assistance in selection of suitable couplings for any application, based on more than 80 years of specialist experience. Comprehensive stocks of couplings, spares, accessories, adaptors, etc. are available for immediate despatch.



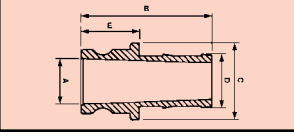
PART NUMBERS & DIMENSIONS: (Any plug of given size fits any socket of the same size, irrespective of end connection.)

SOCKETS with hose stems



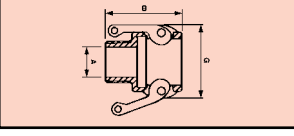
SIZE	BRASS/ GUNMETAL	ALUMINIUM	316 STAINLESS STEEL	POLYPROPYLENE	A (BORE)	B	D	E	G
1/2"	A-C050-B	A-C050-A	A-C050-SS	A-C050-P	10mm	73	15	31	39
3/4"	A-C075-B	A-C075-A	A-C075-SS	A-C075-P	13	87	21	35	54
1"	A-C100-B	A-C100-A	A-C100-SS	A-C100-P	19	97	27	40	60
1 1/4"	A-C125-B	A-C125-A	A-C125-SS	A-C125-P	26	104	33	46	79
1 1/2"	A-C150-B	A-C150-A	A-C150-SS	A-C150-P	32	109	41	47	86
2"	A-C200-B	A-C200-A	A-C200-SS	A-C200-P	43	125	53	53	97
2 1/2"	A-C250-B	A-C250-A	A-C250-SS	-	56	136	68	56	105
3"	A-C300-B	A-C300-A	A-C300-SS	A-C300-P	66	160	76	58	121
4"	A-C400-B	A-C400-A	A-C400-SS	-	90	170	103	62	148
5"	A-C500-B	A-C500-A	A-C500-SS	-	106	187	130	65	175
6"	A-C600-B	A-C600-A	A-C600-SS	-	144	256	155	66	220

PLUGS with hose stems



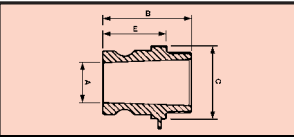
SIZE	BRASS/ GUNMETAL	ALUMINIUM	316 STAINLESS STEEL	POLYPROPYLENE	A (BORE)	B	C	D	E
1/2"	A-E050-B	A-E050-A	A-E050-SS	A-E050-P	14mm	64	29	15	29
3/4"	A-E075-B	A-E075-A	A-E075-SS	A-E075-P	20	84	35	21	34
1"	A-E100-B	A-E100-A	A-E100-SS	A-E100-P	25	93	38	27	37
1 1/4"	A-E125-B	A-E125-A	A-E125-SS	A-E125-P	28	104	49	34	46
1 1/2"	A-E150-B	A-E150-A	A-E150-SS	A-E150-P	36	110	58	40	49
2"	A-E200-B	A-E200-A	A-E200-SS	A-E200-P	45	128	76	53	57
2 1/2"	A-E250-B	A-E250-A	A-E250-SS	-	55	135	79	66	57
3"	A-E300-B	A-E300-A	A-E300-SS	A-E300-P	72	160	98	78	58
4"	A-E400-B	A-E400-A	A-E400-SS	-	96	168	122	102	60
5"	A-E500-B	A-E500-A	A-E500-SS	-	120	193	162	126	71
6"	A-E600-B	A-E600-A	A-E600-SS	-	143	243	178	152	76

SOCKETS with male threads



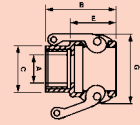
NOMINAL SIZE	BRASS/ GUNMETAL	ALUMINIUM	316 STAINLESS STEEL	POLYPROPYLENE	A (BORE)	B	G	THREAD
1/2"	A-B050-B	A-B050-A	A-B050-SS	A-B050-P	14mm	47	39	1/2" BSP. Tr
3/4"	A-B075-B	A-B075-A	A-B075-SS	A-B075-P	19	54	54	3/4" BSP. Tr
1"	A-B100-B	A-B100-A	A-B100-SS	A-B100-P	23	62	60	1" BSP. Tr
1 1/4"	A-B125-B	A-B125-A	A-B125-SS	A-B125-P	30	68	80	1 1/4" BSP. Tr
1 1/2"	A-B150-B	A-B150-A	A-B150-SS	A-B150-P	36	72	81	1 1/2" BSP. Tr
2"	A-B200-B	A-B200-A	A-B200-SS	A-B200-P	47	79	89	2" BSP. Tr
2 1/2"	A-B250-B	A-B250-A	A-B250-SS	-	60	87	105	2 1/2" BSP. Tr
3"	A-B300-B	A-B300-A	A-B300-SS	A-B300-P	72	91	90	3" BSP. Tr
4"	A-B400-B	A-B400-A	A-B400-SS	-	100	99	148	4" BSP. Tr
5"	A-B500-B	A-B500-A	A-B500-SS	-	123	103	175	5" BSP. Tr
6"	A-B600-B	A-B600-A	A-B600-SS	-	150	113	220	6" BSP. Tr

PLUGS with male threads



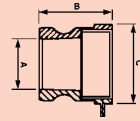
NOMINAL SIZE	BRASS/ GUNMETAL	ALUMINIUM	316 STAINLESS STEEL	POLYPROPYLENE	A (BORE)	B	C	E	THREAD
1/2"	A-F050-B	A-F050-A	A-F050-SS	A-F050-P	13mm	56	26	37	1/2" BSP. Tr
3/4"	A-F075-B	A-F075-A	A-F075-SS	A-F075-P	21	59	35	41	3/4" BSP. Tr
1"	A-F100-B	A-F100-A	A-F100-SS	A-F100-P	25	68	38	45	1" BSP. Tr
1 1/4"	A-F125-B	A-F125-A	A-F125-SS	A-F125-P	28	78	47	54	1 1/4" BSP. Tr
1 1/2"	A-F150-B	A-F150-A	A-F150-SS	A-F150-P	36	81	56	58	1 1/2" BSP. Tr
2"	A-F200-B	A-F200-A	A-F200-SS	A-F200-P	45	87	68	62	2" BSP. Tr
2 1/2"	A-F250-B	A-F250-A	A-F250-SS	-	55	101	79	69	2 1/2" BSP. Tr
3"	A-F300-B	A-F300-A	A-F300-SS	A-F300-P	72	103	101	71	3" BSP. Tr
4"	A-F400-B	A-F400-A	A-F400-SS	-	96	118	126	79	4" BSP. Tr
5"	A-F500-B	A-F500-A	A-F500-SS	-	124	127	150	82	5" BSP. Tr
6"	A-F600-B	A-F600-A	A-F600-SS	-	151	121	181	78	6" BSP. Tr

Continued overleaf



SOCKETS with female threads

NOMINAL SIZE	BRASS/GUNMETAL	ALUMINIUM	316 STAINLESS STEEL	POLYPROPYLENE	A (BORE)	B	C	E	G	THREAD
1/2"	A-D050-B	A-D050-A	A-D050-SS	A-D050-P	14mm	48	26	32	39	1/2" BSP
3/4"	A-D075-B	A-D075-A	A-D075-SS	A-D075-P	21	53	34	35	54	3/4" BSP
1"	A-D100-B	A-D100-A	A-D100-SS	A-D100-P	25	60	40	39	59	1" BSP
1 1/4"	A-D125-B	A-D125-A	A-D125-SS	A-D125-P	30	70	51	46	70	1 1/4" BSP
1 1/2"	A-D150-B	A-D150-A	A-D150-SS	A-D150-P	36	74	57	47	80	1 1/2" BSP
2"	A-D200-B	A-D200-A	A-D200-SS	A-D200-P	46	81	68	54	89	2" BSP
2 1/2"	A-D250-B	A-D250-A	A-D250-SS	-	56	87	82	57	105	2 1/2" BSP
3"	A-D300-B	A-D300-A	A-D300-SS	A-D300-P	73	90	98	59	121	3" BSP
4"	A-D400-B	A-D400-A	A-D400-SS	-	101	100	124	61	150	4" BSP
5"	A-D500-B	A-D500-A	A-D500-SS	-	121	102	152	63	180	5" BSP
6"	A-D600-B	A-D600-A	A-D600-SS	-	141	108	181	68	220	6" BSP



PLUGS with female threads

NOMINAL SIZE	BRASS/GUNMETAL	ALUMINIUM	316 STAINLESS STEEL	POLYPROPYLENE	A (BORE)	B	C	THREAD
1/2"	A-A050-B	A-A050-A	A-A050-SS	A-A050-P	13mm	37	26	1/2" BSP
3/4"	A-A075-B	A-A075-A	A-A075-SS	A-A075-P	20	41	35	3/4" BSP
1"	A-A100-B	A-A100-A	A-A100-SS	A-A100-P	24	46	38	1" BSP
1 1/4"	A-A125-B	A-A125-A	A-A125-SS	A-A125-P	28	55	47	1 1/4" BSP
1 1/2"	A-A150-B	A-A150-A	A-A150-SS	A-A150-P	35	58	56	1 1/2" BSP
2"	A-A200-B	A-A200-A	A-A200-SS	A-A200-P	45	62	69	2" BSP
2 1/2"	A-A250-B	A-A250-A	A-A250-SS	-	55	89	82	2 1/2" BSP
3"	A-A300-B	A-A300-A	A-A300-SS	A-A300-P	72	71	101	3" BSP
4"	A-A400-B	A-A400-A	A-A400-SS	-	97	80	126	4" BSP
5"	A-A500-B	A-A500-A	A-A500-SS	-	121	85	150	5" BSP
6"	A-A600-B	A-A600-A	A-A600-SS	-	145	89	182	6" BSP

NOTE: Alternative end connections available including NPT threads, butt or socket weld, and flanges.

SEALS

The nitrile seal material supplied as standard gives excellent resistance to oil, air, water and many other liquids and gases. In addition various optional seal compounds, eg. Viton, EP, etc. are readily available as alternatives where specific fluids not compatible with the standard material are to be handled or where arduous operating conditions such as elevated temperature apply.

WORKING PRESSURES

SIZE	BRASS/GUNMETAL	ALUMINIUM	316 STAINLESS STEEL	POLYPROPYLENE
1/2"	11 bar	11 bar	11 bar	5 bar
3/4"- 2"	18	18	18	7
2 1/2"	11	11	16	-
3"	9	9	14	4
4"	7	7	7	-
5"-6"	5	5	7	-