



Decompression block

HDB Series



INTRODUCTION

Holmbury's HDB Series is a block coupling designed for the quick changeover of hydraulic attachments for skid steer loaders, compact loaders, backhoe loaders and compact utility vehicles. The decompression feature enables the operator to alleviate trapped pressure, allowing the quick and easy connection of various attachments.



CONSTRUCTION

- HDB block couplings are zinc nickel on body (1200 hours with no red rust in salt spray tests)
- Block body is ductile cast iron with trivalent plating
- Fitted with NBR and PTFE seals

FEATURES

- Decompression achieved by simple pull feature which also prevents accidental system discharge
- All couplings are flat face and are designed to the ISO 16028 Standard
- Low profile coupling design minimises side loading
- Coupling arrangement can be ordered in 1/2" (Size 12) for standard flow or 3/4" (Size 19) for high flow applications
- Case drain coupling is standard 3/8" (Size 10)

ACCESSORIES

- Not applicable

SPECIFICATIONS

- Operating temperatures (With NBR seals): -40°C (-40°F) to 106°C (223°F)
- Maximum working pressure 350 bar
- Decompression force 130 Nm at 275 bar trapped pressure

APPLICATIONS

- Quick changeover of construction equipment attachments
- Skid steer loaders
- Track loaders
- Excavators
- Compact loaders
- Utility vehicles

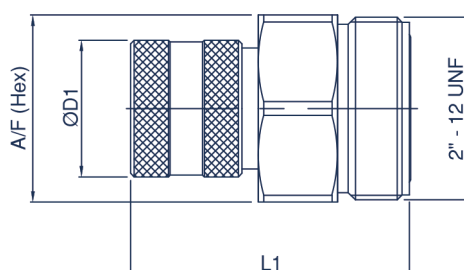
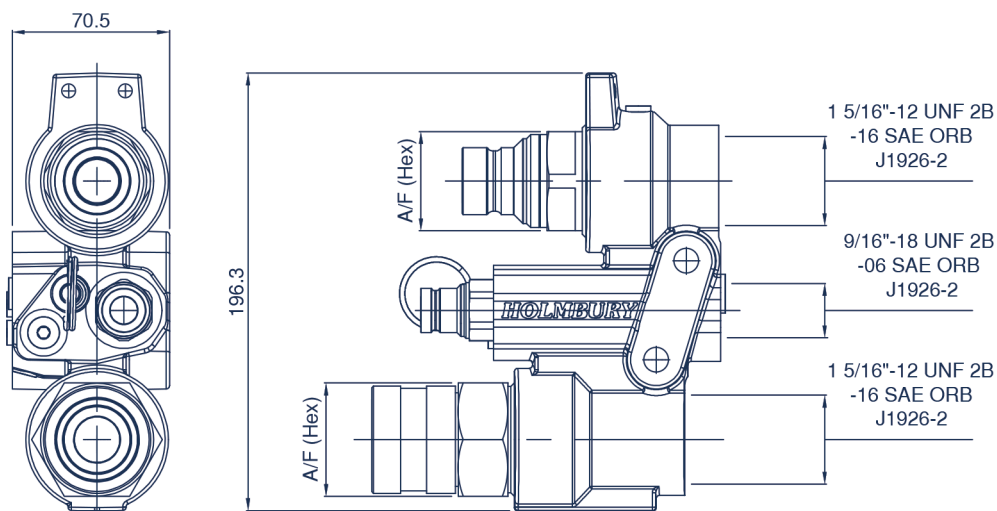
HDB PERFORMANCE CHARACTERISTICS

Body Size	HDB12	HDB19
	Pressure in bar - Flow in LPM Pressure in PSI - Flow in GPM	
Maximum working pressure (Coupled)	350	350
	5075	5075
Burst pressure (Coupled)	1400	1450
	20300	21025
Burst pressure (Male)	1300	1100
	18850	15950
Burst pressure (Female)	1000	1050
	14500	15225
Rated flow	45	100
	12	26.4

HDB Series

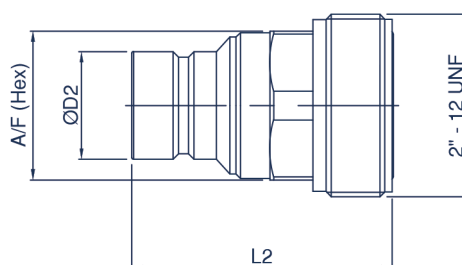
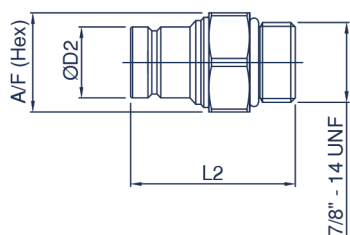
HDB BLOCK ASSEMBLY

Body Size	Part Number
12 (1/2)	HDB12
19 (3/4)	HDB19



HDB FEMALE REPLACEMENT PARTS

Body Size	Part Number	Thread Size	A/F		D1		L1	
			mm	inch	mm	inch	mm	inch
12 (1/2)	HDB12-F-24FSM	2-12 UN	51.0	2.01	38.0	1.50	70.0	2.76
19 (3/4)	HDB19-F-24FSM	2-12 UN	51.0	2.01	48.0	1.89	82.0	3.23



HDB MALE REPLACEMENT PARTS

Body Size	Part Number	Thread Size	A/F		D2		L2	
			mm	inch	mm	inch	mm	inch
10 (3/8)	HDB10-M-10SM	7/8-14 UNF	25.4	1.00	19.72	0.78	46.0	1.81
12 (1/2)	HDB12-M-24FSM	2-12 UN	44.4	1.75	24.52	0.97	62.1	2.44
19 (3/4)	HDB19-M-24FSM	2-12 UN	44.4	1.75	29.93	1.18	72.4	2.85

For all other configurations or thread types please contact the sales office.