



# ADACONN®

## ADAFLANGE™ SOCKET HEAD FLANGE ADAPTERS

The ADAFLANGE™ SOCKET HEAD FLANGE ADAPTER (AFO), with its face seal, is generally supplied with the clamp type (thru-hole) flange (AS1). This combination adapts a flange port to a threaded connection using a minimum of space and joints.

## ADAFLANGEPORT™ SOCKET HEAD FLANGE ADAPTERS

The ADAFLANGEPORT™ SOCKET HEAD FLANGE ADAPTER (AFP), with its plain face, is generally supplied with the threaded type companion flange (BS1). This combination adapts a threaded connection to a flange connection using a minimum of space and joints.



Both the ADAFLANGE™ and the ADAFLANGEPORT™ SOCKET HEAD FLANGE ADAPTERS can be supplied with either the clamp type or threaded type companion flanges, thereby giving you the greatest amount of flexibility in saving space and reducing joints.

Use of the ADAFLANGE™ and ADAFLANGEPORT™ SOCKET HEAD FLANGE ADAPTERS together makes a great union.

## ORDERING INFORMATION

**AFO - K 12 - S 12 - 1.75 - S 1 - B - A S 1**

### ADAPTER TYPE

AFO = ADAFLANGE™  
AFP = ADAFLANGEPORT™

### FLANGE HEAD DESIGN

K = SAE - J518 (CODE 61)  
R = SAE - J518 (CODE 62)

### FLANGE HEAD SIZE

08 = 1/2      24 = 1-1/2  
12 = 3/4      32 = 2  
16 = 1        40 = 2-1/2  
20 = 1-1/4    48 = 3

### MALE THREAD TYPE

F = 37° FLARE  
S = SAE STRAIGHT O-RING STUD ENDS  
P = PORT PLUG (NO THREAD EXTENSION)  
O = O-RING FACE SEAL  
L = TYPE SCHEDULE 40 - ANSI B1.20.3 NPTF  
T = TYPE SCHEDULE 160 - ANSI B1.20.3 NPTF  
X = TYPE XXS - ANSI B1.20.3 NPTF

### MALE THREAD SIZE¹

F & S TYPE	L,T,X TYPE	O TYPE	F & S TYPE	L,T,X TYPE	O TYPE
08 = 3/4-16	1/2-14	3/4-16	20 = 1 5/8-12	1 1/4-11 1/2	1 5/8-12
10 = 7/8-14			24 = 1 7/8-12	1 1/2-11 1/2	1 7/8-12
12 = 1 1/16-12	3/4-14	1 1/16-12	32 = 2 1/2-12	2-11 1/2	2 1/2-12
14 = 1 3/16-12			40 = 3-12	2 1/2-8	
16 = 1 5/16-12	1-11 1/2	1 5/16-12	48 = 3 1/2-12	3-8	

### FLANGE FINISH

0 = PLAIN (NO FINISH) - STANDARD ON DUCTILE AND MALLEABLE IRON FLANGES  
1 = ZINC CHROMATE - STANDARD ON STEEL FRAMES

### FLANGE MATERIAL

D = DUCTILE IRON OR MALLEABLE IRON  
S = STEEL

### FLANGE TYPE

A = SAE - ONE-PIECE CLAMP TYPE  
B = SAE - ONE-PIECE THREADED COMPANION TYPE

### SEAL MATERIAL

(OMIT ON AFP WITH F or T THREAD)  
B = BUNA N  
V = VITON

### ADAPTER FINISH

1 = ZINC CHROMATE

### ADAPTER MATERIAL

S = STEEL

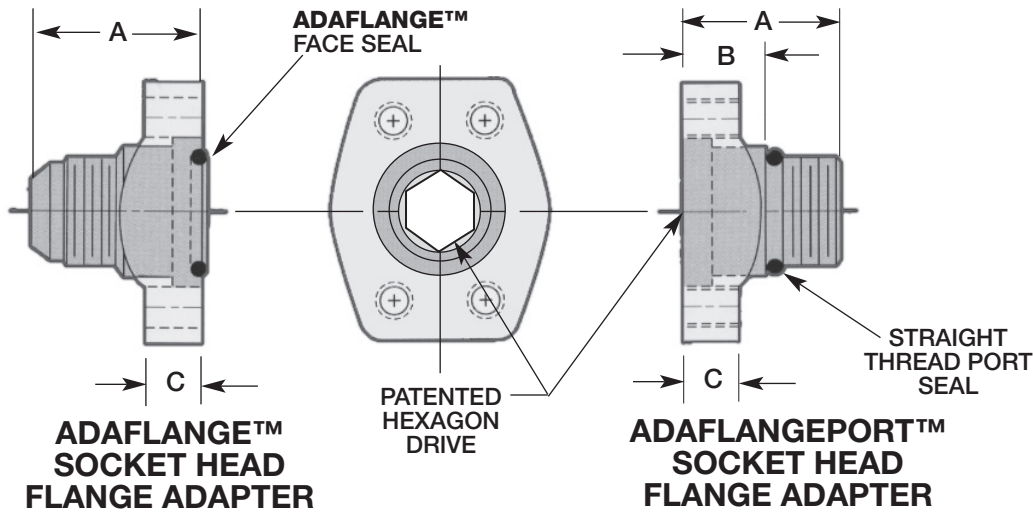
### ADAPTER LENGTH

1.75 = THE ACTUAL "A" LENGTH IN INCHES (OMIT FOR P TYPE)

¹Male Thread Size Can Not Normally Exceed Flange Head Size with the One-Piece SAE Flange. The Exceptions are the Flange Head Size 08 and 12 may have the F10 and F14 size respectively.

**ADACONN®**  
Blue Bell, Pa. 19422

**ADAFLANGE™**  
**ADAFLANGEPORT™**  
CODE 61 & 62  
**SOCKET HEAD ADAPTERS**



SEE PAGE 61  
FOR WRENCH TOOL  
INFORMATION

**ADAFLANGE™ and ADAFLANGEPORT™ SOCKET HEAD FLANGE ADAPTERS** are available with 37° Flare, NPTF threads or SAE straight thread O-Ring stud ends. ISO “M” thread O-Ring stud ends, ORS, O-Ring face seal and British threads are also available.

**ADAFLANGE™ and ADAFLANGEPORT™ SOCKET HEAD FLANGE ADAPTERS** have hexagon drives in the head end to allow for center drive wrenching.

### SAE CODE 61 FLANGE HEAD - DESIGN K

FLANGE HEAD SIZE	STANDARD COMPACT LENGTH		STANDARD EXTENDED LENGTH		C	HEXAGON BOLT KIT (includes 4 hex bolts with lockwashers)	HEXAGON DRIVE SIZE	BIT or WRENCH NO.	O-RING SIZE NO.	
	A	B	A	B					FACE <sup>2</sup>	PORT <sup>1</sup>
6108	1.50	.94	2.25	1.69	.50	ABK-B4031-18x1.25/1.00*	7/16	AHB-A-7/16	210	908
6112	1.75	1.02	2.38	1.65	.56	ABK-B4038-16x1.25	5/8	AHB-A-5/8	214	912
6116	1.88	1.15	2.50	1.77	.62	ABK-B4038-16x1.25	7/8	AHB-A-7/8	219	916
6120	2.00	1.27	2.88	2.15	.62	ABK-B4044-14x1.50/1.25*	1-1/16	AHW-A-1-1/16	222	920
6124	2.13	1.40	3.00	2.27	.62	ABK-B4050-13x1.50	1-5/16	AHW-A-1-5/16	225	924
6132	2.38	1.65	3.25	2.52	.62	ABK-B4050-13x1.50	1-3/4	AHW-A-1-3/4	228	932
6140	2.75	—	3.75	—	.75	ABK-B4050-13x1.50	2-3/16	AHW-A-2-3/16	232	—
6148	3.00	—	4.00	—	.88	ABK-B4063-11x1.75/2.00*	2-5/8	AHW-A-2-5/8	237	—

### SAE CODE 62 FLANGE HEAD - DESIGN R

FLANGE HEAD SIZE	STANDARD COMPACT LENGTH		STANDARD EXTENDED LENGTH		C	HEXAGON BOLT KIT (includes 4 hex bolts with lockwashers)	HEXAGON DRIVE SIZE	BIT or WRENCH NO.	O-RING SIZE NO.	
	A	B	A	B					FACE <sup>2</sup>	PORT <sup>1</sup>
6208	1.63	1.07	2.25	1.69	.62	ABK-B4031-18x1.25	7/16	AHB-A-7/16	210	908
6212	2.00	1.27	2.75	2.02	.75	ABK-B4038-16x1.50	5/8	AHB-A-5/8	214	912
6216	2.25	1.52	3.13	2.40	.94	ABK-B4044-14x1.75	7/8	AHB-A-7/8	219	916
6220	2.50	1.77	3.25	2.52	1.06	ABK-B4050-13x1.75/2.00*	1-1/16	AHW-A-1-1/16	222	920
6224	2.75	2.02	3.75	3.02	1.19	ABK-B4063-11x2.25	1-5/16	AHW-A-1-5/16	225	924
6232	3.38	2.65	4.63	3.90	1.44	ABK-B4075-10x2.75	1-3/4	AHW-A-1-3/4	228	932
*6240	3.50	—	4.50	—	1.81	ABK-B4088-9x3.25	2-3/16	AHW-A-2-3/16	232	—
*6248	3.75	—	4.75	—	2.19	ABK-B4112-7x4.00	2-5/8	AHW-A-2-5/8	237	—

1. For Male Thread Type S Only  
2. **ADAFLANGE™** Adapters have this seal

\*NOT AN SAE STANDARD—PROVIDES BOLT ENGAGEMENT OF 1 1/2 TIMES NOMINAL BOLT DIAMETER FOR FASTENING TO INSERTA® STEEL MODULAR CONNECTORS.

ADAPTERS & CONNECTORS

<p><b>ADACONN®</b> Blue Bell, Pa. 19422</p>	<p><b>ADAFLANGE™</b> <b>ADAFLANGEPORT™</b> <b>CODE 61 &amp; 62</b> <b>SOCKET HEAD ADAPTERS</b></p>	
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