

MOUNTING KIT SELECTION GUIDE

REVISION: AG



**PNEUMATIC ACTUATORS, ELECTRIC ACTUATORS,
GEAR OPERATORS & ACCESSORIES**

Revised by: Charles Purser
Approved by: Kevin Bartell

Date: 1/22/2019
Date: 1/22/2019

Conbraco Industries, Inc.
Matthews NC, Conway SC
& Pageland SC
ACT001 Revision AG
Retain previous revision for reference.

Revised 01/22/2019

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CONBRACO INDUSTRIES INC.

ACTUATOR ACCESSORIES (MOUNTING KITS)

Actuators	WESTLOCK Limit Switch	STONEL Std. Limit Switch	STONEL ECLIPSE	STONEL - SOLAR/ ONYX "L" Shaft	PMV Positioner	MONITUER Limit Switch	ACCORD Positioner	BEACON ONLY Direct Mount	VRC Positioner	PROXIMITY Limit Switch
0012	63-002-01 (3)	63-001-95 (3)		63-002-76 (3)	63-002-01 (3)	63-002-12 (3)	63-002-01 (3)	63-002-26 (2)		63-002-54 (3)
0025,0040,0065,0100,0150,0200,0350	63-001-89 (3)	63-001-96 (3)	78-2681-01		63-001-89 (3)	63-002-13 (3)	63-001-89 (3)	63-002-22 (2)	63-002-28 (2)	63-002-37 (3)
0600,0950,1600,2500,4000	63-001-91 (3)	63-001-97 (3)		63-002-78 (3)	63-001-91 (3)	63-002-14 (3)	63-001-91 (3)	63-001-85 (2)	63-002-29 (2)	63-002-38 (3)
DT-3										63-002-59 (3)
DT-7										63-002-60 (3)
DT-12										63-002-58 (3)
DT-21										
DT-36										
DT0036DM										
G01XX, G02XX & G03XX SERIES	63-001-89 (3)	63-001-96 (3)		63-002-77 (3)	63-001-89 (3)	63-002-13 (3)	63-001-89 (3)	63-002-22 (2)	63-002-28 (2)	63-002-37 (3)
3S45 - 3S105 3S125 - 3S210	63-002-97 63-002-98				63-002-97 63-002-98	63-002-13 63-002-14	63-002-97 63-002-98			

NOTES:
 (2) = NON-METALLIC OR CARBON STEEL PLATED
 (3) = STAINLESS STEEL
 N/A = NOT AVAILABLE

ACT001 Revision AG
 Revised 01/22/2019

ELECTRIC ACTUATORS / APOLLO VALVES						
Valve Series	Valve Size	Mounting Kit Material	AE Series ISO Mtg. 19mm F07	CS Series ISO Mtg. 19mm F05-F07	CL Series (-B) ISO Mtg. 22mm F07-F10	PROXIMITY Limit Switch**
70-600 76-600	1/4-1/2	St'n St'l	78-1123-01	78-1123-01		63-002-74
	3/4	St'n St'l	78-788-01	78-788-01		63-002-33
	1	St'n St'l	78-788-01	78-788-01		63-002-33
	1-1/4	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
71-100 76-100 89-100 399-100 489-100	1/4-1/2	St'n St'l	78-390-01	78-390-01		63-002-32
	3/4	St'n St'l	78-788-01	78-788-01		63-002-33
	1	St'n St'l	78-788-01	78-788-01		63-002-33
	1-1/4	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	2-1/2	Cs/Zinc	78-718-01	78-718-01	78-719-01	63-002-35
	3	Cs/Zinc	78-718-01	78-718-01	78-719-01	63-002-35
77-100	1/4-1/2	St'n St'l	78-390-01	78-390-01		63-002-32
	3/4	St'n St'l	78-788-01	78-788-01		63-002-33
	1	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/4	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/2	Cs/Zinc	78-721-01	78-721-01	78-180-01	63-002-36
	2	Cs/Zinc	78-722-01	78-722-01	78-723-01	63-002-40
	2-1/2	Cs/Zinc	78-718-01	78-718-01	78-719-01	63-002-35
"AR" SERIES 71-AR 76-AR 89-AR	1/4-1/2	St'n St'l	78-1524-01	78-1524-01		63-002-67
	3/4-1	St'n St'l	78-1532-01	78-1532-01		63-002-68
	1-1/4 - 3	St'n St'l	78-1538-01	78-1538-01	78-1540-01	63-002-69
"AR" SERIES 77-AR	1/4-1/2	St'n St'l	78-1524-01	78-1524-01		63-002-67
	3/4	St'n St'l	78-1532-01	78-1532-01		63-002-68
	1-2	St'n St'l	78-1538-01	78-1538-01	78-1540-01	63-002-69
77648	2" only	St'n St'l	78-1918-01	78-1918-01	78-1919-01	63-002-94
77D	1/2	St'n St'l	78-2121-01	78-2121-01		
	3/4	St'n St'l	78-2122-01	78-2122-01		
	1	St'n St'l	78-2115-01	78-2115-01		
	1-1/2	St'n St'l	78-2123-01	78-2123-01		
	2	St'n St'l	78-2123-01	78-2123-01		

NOTES:

1. **Switch mounts direct to manual valve body.
2. PROXIMITY brand limit switch kits to manual valves are only available in stainless steel.
3. CL Series "(-B) ISO Mtg." includes only CL Series actuators with suffix "B". Example: 3R88087B
4. *(F16) or (F25) is for ISO mounting pad size, reference only.

ELECTRIC ACTUATORS / APOLLO VALVES						
Valve Series	Valve Size	Mounting Kit Material	AE Series ISO Mtg. 19mm F07	CS Series ISO Mtg. 19mm F05-F07	CL Series (-B) ISO Mtg. 22mm F07-F10	PROXIMITY Limit Switch**
82-100/200 Body Bolt Mtg.	1/4-3/8	St'n St'l				63-002-41
	1/2	St'n St'l	78-2136-01	78-2136-01		63-002-42
	3/4	Cs/Zinc	78-784-01	78-784-01		63-002-43
	1	Cs/Zinc	78-732-01	78-732-01		63-002-44
	1-1/4	Cs/Zinc	78-733-01	78-733-01	78-1601-01	63-002-45
	1-1/2	Cs/Zinc	78-734-01	78-734-01	78-792-01	63-002-46
	2	Cs/Zinc	78-735-01	78-735-01	78-737-01	63-002-47
	3 - OLD STY	St'n St'l	78-739-01	78-739-01	78-740-01	63-002-90
	4 - OLD STY	St'n St'l			78-741-01	63-002-99
	82A-ISO PAD	3 - ISO	St'n St'l	78-1622-01	78-1622-01	78-1626-01
4 - ISO		St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
83R/86R- 100,200,700 401R- 100 & 200	1/4-1/2	St'n St'l	78-1524-01	78-1524-01		63-002-67
	3/4-1	St'n St'l	78-1532-01	78-1532-01		63-002-68
	1 1/4 - 2	St'n St'l	78-1538-01	78-1538-01	78-1540-01	63-002-69
83A, 83B 86A, 86B	3	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	1/4-1/2	St'n St'l	78-2029-01	78-2029-01		63-003-10
	3/4	St'n St'l	78-2034-01	78-2034-01		
	1	St'n St'l	78-1619-01	78-1619-01	78-1623-01	63-002-66
	1-1/4,1-1/2	St'n St'l	78-1620-01	78-1620-01	78-1624-01	63-002-65
87,88-100	2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	1/2	St'n St'l	78-362-01	78-362-01		
	3/4	St'n St'l	78-219-01	78-219-01		63-002-33
	1	St'n St'l	78-824-01	78-824-01		63-002-33
	1-1/2	St'n St'l	78-1619-01	78-1619-01	78-1623-01	63-002-66
	2	St'n St'l	78-1620-01	78-1620-01	78-1624-01	63-002-65
87A, 88A- 100,400,700 87B,88B- 100, 400 ISO MTG. PAD	2-1/2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	3	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	4	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	6	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	8 *(F16)	St'n St'l			78-1972-01	
	1/2	St'n St'l	78-2744-01	78-2744-01		63-003-10
With "-A" Suffix	3/4	St'n St'l	78-2741-01	78-2741-01		
	1	St'n St'l	78-1619-01	78-1619-01	78-1623-01	63-002-66
	1-1/2	St'n St'l	78-1620-01	78-1620-01	78-1624-01	63-002-65
	2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	2-1/2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	3	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	4	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	6 *(F16)	St'n St'l			78-1972-01	

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mounting Kit Material	0012	0025	063	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000
				11mm F04	11mm F05-F07	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25
70-600 76-600	1/4-1/2	St'n St'l		78-402-01	78-711-01	78-2124-01	78-1123-01						
	3/4	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01						
	1	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01	78-2211-01					
	1-1/4	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
71-100 76-100 89-100 399-100 489-100	1/4-1/2	St'n St'l		78-401-01	78-712-01	78-354-01	78-390-01						
	3/4	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01						
	1	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01	78-2211-01					
	1-1/4	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
77-100	1/4-1/2	St'n St'l		78-401-01	78-712-01	78-354-01	78-390-01						
	3/4	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01	78-2211-01					
	1	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/4	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/2	Cs/Zinc				78-720-01	78-721-01	78-2290-01					
	2	Cs/Zinc					78-722-01	78-723-01	78-804-01				
"AR" 71-AR 76-AR 89-AR	1/4-1/2	St'n St'l	78-2295-01	78-1519-01	78-1521-01	78-1522-01	78-1524-01						
	3/4-1	St'n St'l		78-1527-01	78-1529-01	78-1530-01	78-1532-01	78-2576-01					
	1 1/4-3	St'n St'l			78-1535-01	78-1536-01	78-1538-01	78-1540-01	78-1541-01	78-1541-01			
"AR" 77-AR	1/4-1/2	St'n St'l	78-2295-01	78-1519-01	78-1521-01	78-1522-01	78-1524-01						
	3/4	St'n St'l		78-1527-01	78-1529-01	78-1530-01	78-1532-01						
	1-2	St'n St'l		78-1535-01	78-1535-01	78-1536-01	78-1538-01	78-1540-01	78-1541-01	78-1541-01			
77648	2" only	St'n St'l				78-1917-01	78-1918-01	78-1919-01	78-1920-01	78-1920-01			
77D	1/2	St'n St'l		78-2247-01								77D kits should: (1) have the insert removed and rotated 45° if an "A" suffix actuator is used or (2) be used with a "B" suffix actuator.	
	3/4	St'n St'l		78-2006-01	78-2006-01	78-2297-01							
	1	St'n St'l		78-2007-01	78-2007-01	78-2215-01	78-2115-01 ⁽²⁾						
	1-1/2	St'n St'l				78-2008-01	78-2216-01 ^(1,3) 78-2009-01 ⁽³⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾			
	2	St'n St'l				78-2008-01	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾			

- (1) Kit should include a "B" actuator.
- (2) 78-2115-01 ALSO FITS AE-SER (BRACKETED KIT)
- (3) 78-2216-01 FOR USE ON 0150, USE 78-2009-01 FOR 0100

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mounting Kit Material	0012	0025	063	0040/0065	DT3 ³	DT7 ³	0350	0600	0950	1600/2500	4000	DT-3	DT-7
				11mm	11mm	14mm	19mm	22mm	27mm	27mm	36mm	46mm	55mm		
			F03	F04	F05-F07	F05-F07	F07	F07-F10	F10		F10-F14	F16	F16-F25		
	1/4-3/8	Cs/Zinc			78-780-01	78-790-01									
	1/4-3/8	St'n St'l		78-1087-01	78-379-01	78-380-01									
82-100/200	1/2	Cs/Zinc			78-724-01	78-791-01									
Body Bolt	1/2	St'n St'l		78-1082-01	78-382-01	78-383-01	78-2136-01								
Mtg.	3/4	Cs/Zinc			78-725-01	78-728-01	78-784-01								
	1	Cs/Zinc			78-726-01	78-729-01	78-732-01								
	1-1/4	Cs/Zinc			78-727-01	78-730-01	78-733-01								
	1-1/2	Cs/Zinc				78-731-01	78-734-01	78-792-01							
	2	Cs/Zinc				78-1179-01	78-735-01	78-737-01	78-334-01						
	3 - OLD STY	St'n St'l					78-739-01	78-740-01	78-826-01						
	4 - OLD STY	St'n St'l						78-741-01	78-829-01		78-825-01				
82A - ISO PAD	3 - ISO	St'n St'l					78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01				
	4 - ISO	St'n St'l					78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01				
83R,86R-100	1 1/4-2	St'n St'l			78-1535-01	78-1536-01	78-1538-01	78-1540-01	78-1541-01	78-1541-01					
200,700	2 tank btm	St'n St'l				78-1536-01	78-1538-01	78-1540-01							
	3	St'n St'l					78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01				
	1/4-1/2	St'n St'l	78-2281-01	78-2026-01	78-2027-01	78-2028-01	78-2029-01								
83A, 83B	3/4	St'n St'l		78-2031-01	78-2032-01	78-2033-01	78-2034-01								
86A, 86B	1	St'n St'l		78-2081-01	78-1613-01	78-1616-01	78-1619-01	78-1623-01							
	1-1/4,1-1/2	St'n St'l			78-1614-01	78-1617-01	78-1620-01	78-1624-01	78-2645-01						
	2	St'n St'l			78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1621-01	78-1625-01
6PLF	2	St'n St'l					78-2530-01 ²	78-2606-01						78-2530-01	
	2-1/2	St'n St'l					78-2531-01 ²	78-2582-01						78-2530-01	
	3	St'n St'l					78-2531-01		78-2533-01					78-2567-01	
	4	St'n St'l						78-2581-01	78-2533-01	78-2533-01					78-2568-01
	6	St'n St'l								78-2608-01	78-2534-01	78-2566-01			
	8	St'n St'l								78-2608-01		78-2535-01			
	10	St'n St'l									78-2535-01				

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² Fits A0150 only

³ Does not include 6PLFs

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CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mounting Kit Material	0025	063	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000
			11mm F04	11mm F05-F07	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25
87A, 88A-100 400 & 700 87B,88B-100 & 400 ISO MTG. PAD	1-1/2	St'n St'l	78-2081-01	78-1613-01	78-1616-01	78-1619-01	78-1623-01					
	2	St'n St'l		78-1614-01	78-1617-01	78-1620-01	78-1624-01					
	2-1/2	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
	3	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
	4	St'n St'l				78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01		
	6	St'n St'l					78-1626-01	78-1630-01	78-1630-01	78-1632-01		
	8 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01	
10 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01		
With "-A" Suffix	1/2	St'n St'l	78-2742-01	78-2742-01	78-2743-01	78-2744-01						
	3/4	St'n St'l	78-2739-01	78-2739-01	78-2740-01	78-2741-01						
87A,88A-200	1	St'n St'l	78-2081-01	78-1613-01	78-1616-01	78-1619-01	78-1623-01	78-2527-01				
	1-1/2	St'n St'l		78-1614-01	78-1617-01	78-1620-01	78-1624-01		78-2484-01			
	2	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
	2-1/2	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
500 & 900	3	St'n St'l				78-1622-01	78-1626-01	78-1630-01 / 78-2515-01*	78-1630-01	78-1632-01		
	4	St'n St'l				78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01	78-2517-01**	
	6 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01	78-2280-01
	8 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01	78-2280-01
	10 *(F25)	St'n St'l									78-1635-01	78-2376-01
12 *(F25)	St'n St'l									78-1635-01	78-2376-01	

* 78-2515-01 Heat Shield Kit for 3"FP 87A to A0350

** Option: 78-2459-01 IS FOR HIGH TEMP APPLICATIONS, W/ HEAT SHIELD

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

Class 600 Full Port Flanged Valves

Valve Series	Valve Size (in)	Mounting Kit Material	0025	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	Electric Actuators			Gear Operators					
			11mm F04	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	DT-3	DT-7	DT-12	DT-21	DT-36DM	
87AF/ 88AF	1	St'n St'l		78-2670-01	78-2487-01							78-2487-01	78-2487-01		78-2487-01					
	1-1/2	St'n St'l			78-1621-01							78-1621-01	78-1621-01		78-1621-01					
	2	St'n St'l			78-2671-01	78-2488-01	78-2731-01							78-2488-01		78-2488-01				
	2-1/2	St'n St'l				78-2488-01								78-2488-01		78-2488-01				
	3	St'n St'l				78-1626-01	78-1630-01	78-1630-01	78-1632-01							78-1626-01				
	4	St'n St'l					78-2489-01	78-2489-01										78-2577-01		
	6	St'n St'l								78-1634-01							78-1638-01			
	8 *(F16)	St'n St'l										78-2376-01							78-2607-01	78-1640-01
	10 *(F16)	St'n St'l																		

Page 10 can be used as a reference for Gear Operator kits.

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mtg. Kit Material	OA3 FEMALE SQ.	OA8, 15 FEMALE SQ.	AT 25 FEMALE SQ.	AT 50 FEMALE SQ.	BT 100 FEMALE SQ.	FQ08 F07 FEMALE SQ. 22mm		
70-600 76-600	1/4-1/2	St'n St'l		78-1123-MT						
	3/4	St'n St'l	78-715-MT	78-788-MT						
	1	St'n St'l	78-715-MT	78-788-MT						
	1-1/4	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/2	St'n St'l	78-716-MT	78-717-MT	78-807-MT			78-2640-01		
	2	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
71-100 76-100 89-100 399-100 489-100	1/4-1/2	St'n St'l	78-354-MT	78-390-MT						
	3/4	St'n St'l	78-715-MT	78-788-MT						
	1	St'n St'l	78-715-MT	78-788-MT						
	1-1/4	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/2	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	2	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	2-1/2	Cs/Zinc		78-718-MT	78-719-MT					
3	Cs/Zinc		78-718-MT	78-719-MT						
77-100	1/4-1/2	St'n St'l	78-354-MT	78-390-MT						
	3/4	St'n St'l	78-715-MT	78-788-MT						
	1	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/4	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/2	Cs/Zinc	78-720-MT	78-721-MT	78-180-MT					
	2	Cs/Zinc		78-722-MT	78-723-MT					
	2-1/2	Cs/Zinc		78-718-MT	78-719-MT					
"AR" SERIES 71-AR 76-AR 89-AR	1/4-1/2	St'n St'l	78-1522-MT							
	3/4-1	St'n St'l	78-1530-MT	78-1533-01						
	1 1/4-3	St'n St'l	78-1536-MT	78-1539-01						
"AR" SERIES 77-AR	1/4-1/2	St'n St'l	78-1522-MT							
	3/4	St'n St'l	78-1530-MT	78-1533-01						
	1-2	St'n St'l	78-1536-MT	78-1539-01						
77648	2" only	St'n St'l	78-1917-MT	78-1918-MT						
77D	1/2									
	3/4									
	1		78-2068-MT							
	1-1/2	St'n St'l	78-2008-MT	78-2009-MT						
	2	St'n St'l	78-2008-MT	78-2009-MT						
6PLF	6"					78-2676-01				

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mtg. Kit Material	OA3	OA8, 15	AT 25	AT 50	BT 100			
			FEMALE SQ.	FEMALE SQ.	FEMALE SQ.	FEMALE SQ.	FEMALE SQ.			
82-100/200 Body Bolt Mtg.	1/4-3/8	St'n St'l	78-790-MT							
	1/2	Cs/Zinc	78-380-MT							
	1/2	St'n St'l	78-791-MT							
	3/4	Cs/Zinc	78-728-MT	78-784-MT						
	1	Cs/Zinc	78-729-MT	78-732-MT						
	1-1/4	Cs/Zinc	78-730-MT	78-733-MT						
	1-1/2	Cs/Zinc	78-731-MT	78-734-MT	78-392-MT					
	2	Cs/Zinc	78-1179-MT	78-735-MT	78-737-MT					
	3	St'n St'l		78-739-MT	78-740-MT					
82A - ISO PAD	4	St'n St'l			78-741-MT	78-829-MT	78-825-MT			
	3 - ISO	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	4 - ISO	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	83,86-500, 600,900 w/ Mtg. pad (-A SUFFIX)	3/4	St'n St'l	78-306-MT	78-307-MT	78-317-MT				
	1	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
	1-1/4	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
	1-1/2	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
	2	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
ONLY Body Bolt	1/4-1/2	Cs/Zinc	78-790-MT							
	1/4-1/2	St'n St'l	78-380-MT							
85R-100,200	3/4	St'n St'l	78-1522-MT							
	1-1 1/4	St'n St'l	78-1530-MT	78-1533-01						
	1 1/2-2	St'n St'l	78-1536-MT	78-1539-01						
83R,86R-100 200,700 401R-100 & 200	1/4-1/2	St'n St'l	78-1522-MT							
	3/4-1	St'n St'l	78-1530-MT	78-1533-01						
	1 1/4-2	St'n St'l	78-1536-MT	78-1539-01						
	2 tank btm	St'n St'l	78-1536-MT							
	3	St'n St'l		78-1622-MT	78-1626-MT					
83A, 83B 86A, 86B	1/4-1/2	St'n St'l	78-2028-MT	78-2029-MT						
	3/4	St'n St'l	78-2033-MT	78-2034-MT						
	1	St'n St'l	78-1616-MT	78-1619-MT	78-1623-MT					
	1-1/4,1-1/2	St'n St'l	78-1617-MT	78-1620-MT	78-1624-MT					
	2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mtg. Kit Material	OA3	OA8, 15	AT 25	AT 50	BT 100			
			FEMALE SQ.	FEMALE SQ.	FEMALE SQ.	FEMALE SQ.	FEMALE SQ.			
87,88-100	1/2	St'n St'l	78-1169-MT	78-362-MT						
	3/4	St'n St'l	78-823-MT							
	1	St'n St'l	78-786-MT	78-824-MT						
87A, 88A-100 400 & 700 87B,88B-100 & 400 ISO MTG. PAD	1-1/2	St'n St'l	78-1616-MT	78-1619-MT	78-1623-MT					
	2	St'n St'l	78-1617-MT	78-1620-MT	78-1624-MT					
	2-1/2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	3	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	4	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	6	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	8 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
	10 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
With "-A" Suffix	1/2	St'n St'l	78-2743-MT	78-2744-MT						
	3/4	St'n St'l	78-2740-MT							
87A,88A-200 500 & 900	1	St'n St'l	78-1616-MT	78-1619-MT	78-1623-MT					
	1-1/2	St'n St'l	78-1617-MT	78-1620-MT	78-1624-MT					
	2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	2-1/2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	3	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	4	St'n St'l		78-1622-MT	78-1626-MT	78-2629-MT	78-1632-MT			
	6 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
	8 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
	10 *(F25)	St'n St'l								
	12 *(F25)	St'n St'l								

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

APOLLO VALVES

MANUAL WORM GEAR OPERATORS

Valve Series	Valve Size	Mounting Kit Material	DT3 19mm F07	DT7 22mm F10	DT12 BORE/KEY F12	DT21 BORE/KEY F14	DT-36	DT-36DM BORE/KEY F16
87A, 88A-100 400 & 700 87B,88B-100 & 400 <i>ISO MTG. PAD</i>	1-1/2	St'n St'l	78-1619-01					
	2	St'n St'l	78-1620-01					
	2-1/2	St'n St'l	78-1621-01					
	3	St'n St'l	78-1621-01					
	4	St'n St'l	78-1622-01					
	6	St'n St'l		78-1626-01				
	8 *(F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01	
10* (F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01		
With "-A" Suffix	1/2	St'n St'l	78-2744-01					
	3/4	St'n St'l	78-2741-01					
87A,88A-200 500 & 900 <i>ISO MTG. PAD</i>	1	St'n St'l	78-1619-01					
	1-1/2	St'n St'l	78-1620-01					
	2	St'n St'l	78-1621-01					
	2-1/2	St'n St'l	78-1621-01					
	3	St'n St'l	78-1622-01					
	4	St'n St'l		78-1626-01				
	6 *(F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01	
	8 *(F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01	
	10 *(F25)	St'n St'l						78-1640-01
	12 *(F25)	St'n St'l						78-1640-01

NOTES:

1. Gear operator, handwheel & mounting kit must be ordered separate.
2. Gear operators for valve sizes shown are recommended sizes for most applications. High torque applications may require other gear operators.
3. DT-36DM is a special configuration designed to fit only on 87A,88A-20G,20H valves with mounting kit 78-1640-01.

OPTIONAL HANDWHEELS

Part Number	Handwheel Diameter	GEAR OPERATOR
HW-CR06-00	6"	6" Thru 18" O.D. .625" HUB BORE DIA. handwheels for DT3 & DT7 only
HW-CR08-00	8"	
HW-RR10-00	10"	
HW-RR12-00	12"	
HW-RR14-00	14"	
HW-RR16-00	16"	
HW-RR17-00	18"	12" Thru 48" O.D. 1.00" HUB BORE DIA. handwheels for DT12, DT21 & DT36 only
HW-RR13-00	12"	
HW-RR18-00	18"	
HW-RR20-00	20"	
HW-RR24-00	24"	
HW-RR30-00	30"	
HW-RR36-00	36"	
HW-RR48-00	48"	

GEAR OPERATORS		HANDWHEELS		HANDWHEEL LOCKING DEVICE
MODEL NUMBER	CII PART NO.	DIAMETER	CII PART NO.	
DT3	DT-0003-00	8"	HW-CR08-00	DT-0003-LD
DT7	DT-0007-00	12"	HW-RR12-00	DT-0007-LD
DT12	DT-0012-00	18"	HW-RR18-00	DT-0012-LD
DT21	DT-0021-00	18"	HR-RR18-00	DT-0021-LD
DT36DM	DT-0036-DM	24"	HW-RR24-00	DT-0036-LD

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

APOLLO VALVES - 141/143, LD141/WD141 SERIES BFV's

Valve Series	Valve Size (Inches)	0012	0025	063	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	0A3 0A8 0A15	AT25	AT50	AT80	AT100	AT200	BT100	G10 Series	G20 Series	
		11mm F04	11mm F05-F07	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25											
141/143 LD141/WD141	2	CX04583	CX04521	CX04516	CX03564								CX03575									
	2.5	CX04583	CX04521	CX04516	CX03564								CX03575									
	3	CX04583	CX04521	CX04516	CX03564								CX03575									
	4			CX04537	CX03389	CX03353							CX03055	CX04313								
	5			CX04533	CX03919	CX03917							CX03577	CX04073								
	6			CX04533	CX03919	CX03917							CX03577	CX04073								
	8				CX04536	CX03920							CX03578	CX03847								
	10					CX03922								CX03867	CX03848						CX04314	
	12					CX03936	78-2318-01	78-2318-01	CX04632	78-2616-01					CX03849			78-2658-01			CX04315	
	14						78-2318-01	78-2318-01	CX04632	78-2616-01					CX03849						CX04315	
	16						CX04630	CX04630	CX04433				78-2726-01		CX04204	CX03924	CX04317				CX04317	CX04331
	18												78-2727-01					78-2728-01				
	20											CX04594	CX04619								CX04594	
	24																				CX04511	CX04193

Direct Mount Kits Only

Valve Series	Valve Size (Inches)	0012	0025	063	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	0A3 0A8 0A15	AT25	AT50	AT80	AT100	AT200	BT100	G10 Series	G20 Series		
		11mm F04	11mm F05-F07	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25												
141/143 LD141/WD141	2																						
	2.5																						
	3																						
	4				78-2265-01																		
	5					78-2314-01 ²	78-2314-01	78-2314-01															
	6					78-2268-01 ¹ 78-2314-01 ²	78-2314-01	78-2314-01															
	8					78-2288-01 ²	78-2288-01	78-2288-01	78-2288-01	78-2321-01													
	10									78-2292-01													
	12																						
	14																						
	16																						
	18																						
	20																						
	24																						

Valve Series	Valve Size (Inches)	Electric Actuators			Dynatorque Gear Operators	
		AE Series ISO Mtg. 19mm F07	CS Series ISO Mtg. 19mm F05-F07	CL Series ISO Mtg. 22mm F07-F10	DT-3	DT-7
141/143 LD141/WD141	2	CX03564	CX03564			
	2.5	CX03564	CX03564			
	3	CX03564	CX03564			
	4	CX03389	CX03389	CX03353		
	5	CX03919	CX03919	CX03917	CX03919	
	6	CX03919		CX03917	CX03919	
	8	CX04536		CX03920		
	10			CX03922		
	12			CX03936		
	14			CX03936		
	16					
	18					
	20					
	24					

NOTE: ALL KITS USE STAINLESS HARDWARE AND STAINLESS BRACKETS.
ALL KITS LISTED ARE FOR DOUBLE "D" STEM CONFIGURATION ONLY.

1 - FITS 0100 ACTUATOR ONLY
2 - FITS 0150 ACTUATOR ONLY

HPBFV Class 150	Pneumatic Actuators											Electric Actuators						Gear Op				
	0025	0040/0065	0100	0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	AT 100	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	DT-3	DT-7	
	11mm F04	14mm F05-F07	19mm F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.		Female SQ.						
2"		78-2737-01	78-2615-01	78-2558-01	78-2558-01	78-2558-01											78-2615-01	78-2615-01				
2-1/2"		78-2642-01	78-2521-01	78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01			78-2521-01	
3"		78-2642-01	78-2521-01	78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01			78-2521-01	
4"			78-2268-01	78-2559-01	78-2559-01	78-2559-01											CX03919	CX03919	CX03917	CX03919		
5"				78-2560-01	78-2560-01	78-2560-01	78-2677-01										78-2522-01	78-2522-01			78-2522-01	
6"				78-2560-01	78-2560-01	78-2560-01	78-2677-01										78-2522-01	78-2522-01	CX03920		78-2522-01	
8"					78-2583-01	78-2734-01	78-2561-01	78-2738-01												78-2583-01		78-2583-01
10"						78-2735-01	78-2735-01	78-2524-01	78-2585-01				78-2599-01									78-2763-01
12"							78-2736-01	78-2525-01	78-2578-01	78-2752-01					78-2641-01							78-2764-01
14"																						
16"										78-2570-01												
18"										78-2570-01												
20"										78-2765-01												
24"																						

HPBFV Class 300	Pneumatic Actuators											Electric Actuators						Gear Op			
	0025	0040/0065	0100	0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	AT 100	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	DT-3	
	11mm F04	14mm F05-F07	19mm F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.		Female SQ.					
2"		78-2737-01	78-2615-01	78-2558-01	78-2558-01	78-2558-01											78-2615-01	78-2615-01			
2-1/2"		78-2642-01	78-2521-01	78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01			78-2521-01
3"		78-2642-01	78-2521-01	78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01			78-2521-01
4"			78-2268-01	78-2559-01	78-2559-01	78-2559-01											CX03919	CX03919	CX03917	CX03919	
5"					78-2563-01	78-2563-01	78-2563-01						78-2730-01				78-2673-01	78-2673-01			
6"					78-2563-01	78-2563-01	78-2563-01						78-2730-01				78-2673-01	78-2673-01			
8"						78-2735-01	78-2735-01	78-2524-01	78-2585-01				78-2599-01								
10"							78-2736-01	78-2525-01	78-2578-01						78-2641-01						
12"																					
14"										78-2570-01											
16"										78-2570-01											
18"																					
20"																					
24"																					

HPBFV Class 600	Pneumatic Actuators											Electric Actuators						Gear Op		
	0025	0040/0065	0100	0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	DT-3	
	11mm F04	14mm F05-F07	19mm F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.	Female SQ.					
3"					78-2559-01	78-2559-01										CX03919		CX03917	CX03919	
4"																				
6"							78-2736-01	78-2525-01												
8"																				
10"										78-2570-01										
12"																				

 Direct Mount Kit

For bracketed kits, refer to:
 78-2521-01 2.5"/3" Class 150/300 to A0100/A0150
 78-2522-01 5/6" Class 150 to A0150/DT-3

ISO Bonnet TEV Valves

TEV Class 150/300		Pneumatic Actuators										Electric Actuators						
		0025	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10
		11mm F04	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.	Female SQ.			
Standard Port	Full Port																	
1"		78-2081-01	78-1616-01	78-1619-01	78-1623-01						78-1616-MT	78-1619-MT	78-1623-MT		78-1619-01	78-1619-01		
1-1/2"	1"		78-1617-01	78-1620-01	78-1624-01	78-2484-01	78-2484-01				78-1617-MT	78-1620-MT	78-1624-MT		78-1620-01	78-1620-01	78-1624-01	
2"	1-1/2"		78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1618-MT	78-1621-MT	78-1625-MT		78-1621-01	78-1621-01	78-1625-01	
3"	2"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**			78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
4"	3"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**			78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
6"	4"									78-2280-01				78-1972-MT	78-1633-MT			78-1972-01
8"	6"													78-1972-MT	78-1633-MT			
10"	8"																	
12"																		
	10"																	
	12"																	

TEV Class 600		Pneumatic Actuators										Electric Actuators						
		0025	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10
		11mm F04	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.	Female SQ.			
Standard Port	Full Port																	
1"			78-1617-01	78-1620-01	78-1624-01	78-2484-01	78-2484-01				78-1617-MT	78-1620-MT	78-1624-MT		78-1620-01	78-1620-01	78-1624-01	
1-1/2"	1"		78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1618-MT	78-1621-MT	78-1625-MT		78-1621-01	78-1621-01	78-1625-01	
2"	1-1/2"		78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1618-MT	78-1621-MT	78-1625-MT		78-1621-01	78-1621-01	78-1625-01	
3"	2"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**			78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
4"	3"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**	78-2614-01		78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
6"	4"													78-1972-MT	78-1633-MT			78-1972-01
8"	6"													78-1972-MT	78-1633-MT			
	8"																	

*For Heat Shield Kit use 78-2515-01

**For Heat Shield Kit use 78-2459-01

TEV Class 150/300		Manual Worm Gear Operators					
		DT3	DT7	DT12	DT21	DT36	DT36DM
		19mm F07	22mm F10	Bore/Key F12	Bore/Key F14		Bore/Key F16
Standard Port	Full Port						
1"		78-1619-01					
1-1/2"	1"	78-1620-01					
2"	1-1/2"	78-1621-01					
3"	2"	78-1622-01					
4"	3"		78-1626-01				
6"	4"			78-1638-01	78-1764-01	78-1765-01	
8"	6"			78-1638-01	78-1764-01	78-1765-01	
10"	8"						78-1640-01
12"							78-1640-01
	10"						
	12"						

TEV Class 600		Manual Worm Gear Operators					
		DT3	DT7	DT12	DT21	DT36	DT36DM
		19mm F07	22mm F10	Bore/Key F12	Bore/Key F14		Bore/Key F16
Standard Port	Full Port						
1"		78-1620-01					
1-1/2"	1"	78-1621-01					
2"	1-1/2"	78-1621-01					
3"	2"	78-1622-01					
4"	3"		78-1626-01				
6"	4"			78-1638-01	78-1764-01	78-1765-01	
8"	6"			78-1638-01	78-1764-01	78-1765-01	
	8"						78-1640-01

OPTIONAL HANDWHEELS		
Part Number	Handwheel Diameter	Gear Operator
HW-CR06-00	6"	6" Thru 18" O.D. .625" Hub Bore Dia. Handwheels for DT3 & DT7 Only
HW-CR08-00	8"	
HW-RR10-00	10"	
HW-RR12-00	12"	
HW-RR14-00	14"	
HW-RR16-00	16"	
HW-RR17-00	18"	12" Thru 48" O.D. 1.00" Hub Bore Dia. Handwheels for DT12, DT21, & DT36 Only
HW-RR13-00	12"	
HW-RR18-00	18"	
HW-RR20-00	20"	
HW-RR24-00	24"	
HW-RR30-00	30"	
HW-RR36-00	36"	
HW-RR48-00	48"	

Notes:

1. Gear operator, handwheel, & mounting kit must be ordered separate.
2. Gear operators for valve sizes shown are recommended sizes for most applications. High torque applications may require other gear operators.
3. DT-36DM is a special configuration designed fit only on 87A, 88A-20G, 20H valves with mounting kit 78-1640-01.

Gear Operators		Handwheels		Handwheel
Model Number	CII Part Number	Diameter	CII Part No.	Locking Device
DT3	DT-0003-00	8"	HW-CR08-00	DT-0003-LD
DT7	DT-0007-00	12"	HW-RR12-00	DT-0007-LD
DT12	DT-0012-00	18"	HW-RR18-00	DT-0012-LD
DT21	DT-0021-00	18"	HW-RR18-00	DT-0021-LD
DT36DM	DT-0036-DM	24"	HW-RR24-00	DT-0036-LD

Special Mounting Kits or Special Applications

Kit Number	Valve	Actuator	Accessories	Comments
78-2299-01	SSBB8A1	DT-3		Gear Op to 2" TEV
78-2298-01	SSBB0A2	DT-3		Gear Op to 3" TEV
78-2342-01	77D14301E	3R88402R		UF150 Unidirectional Act. From Rex Eng.
78-2557-01	87A10701	3R88904A (Rotork RomPak2)		
78-737-MT	82LF14801	3R88910A (Rotork RomPak3)		
78-2641-01	HPBFV 12"C150/10"C300	3RAT50AF		
78-2674-01	2" LD/WD	FQ04 (3RSF28A4AF)		
78-2675-01	230L18 HPBFV	DT-36		Recommend HWRR3600
78-2678-01	76AR, 1/4" - 1/2"	AE		4" extended bracket
78-2679-01	76AR, 3/4" - 1"	AE		4" extended bracket
78-2680-01	76AR, 1-1/2" - 3"	AE		4" extended bracket
78-2571-MT	77109/76100	AQ25 (3RAQ2525AL)		
3TLS330		A0350	3TLS329	Moniteur Rotary Positioner 40 Series
78-2732-MT	8"CL150 HPBFV	BCI AQ25 CII#3RAQ25QU		
78-2733-MT	14"CL150HPBFV	BCI AT6L-SBWG-00M CII#3RAT6ISBWG00M		
78-2745-01	86A103	Rotork CMQ250i (3R88930A)		
78-2746-01	86A105	Rotork CMQ250i (3R88930A)		
78-2747-01	86A108	Rotork CMQ500i (3R88931A)		
78-2748-01	86A107	Rotork CMQ500i (3R88931A)		
78-2751-MT	230L12 HPBFV	3REZ250LP058		

Actuator Inserts

Actuator	Item Number	Description	Fits Stems of the Following Dimensions			
			Imperial (in)		Metric (mm)	
			X-Dimension	Y-Dimension	X-Dimension	Y-Dimension
AD/AS 0025	CX04573	ADAPTER, 11MM SQ	0.433	0.433	11	11
	CX04549	ADAPTER,0.500DIA X 0.397FLAT,	0.394	Ø0.500	10	Ø13
	CX04684	ADAPTER,BLANK				
AD/AS 0040/0065	CX04620	ADAPTER, 77D104 TO AD/AS 0040,0065; 7MM SQ.	0.28	0.28	7	7
	CX04550	ADAPTER,0.555DIA X 0.397FLAT,	0.394	Ø0.55	10	Ø14
	CX04570	ADAPTER,11MM SQ,ALUM,77D105 TO	0.433	0.433	11	11
	CX04551	ADAPTER,0.625DIA X 0.476FLAT,	0.476	Ø0.627	12	Ø16
	CX04580	ADAPTER,14MM SQ,	0.551	0.55	14	14
	CX04552	ADAPTER,0.751DIA X 0.555FLAT,	0.551	Ø0.748	14	Ø19
	CX04675	ADAPTER,BLANK				
AD/AS 0100	CX04553	ADAPTER,0.397DIA X 0.524FLAT,	0.394	0.524	10	Ø13
	CX04554	ADAPTER,0.625DIA X 0.475FLAT,	0.476	Ø0.627	12	Ø16
	CX04623	ADAPTER, 14MM SQ	0.551	0.55	14	14
	CX04555	ADAPTER,0.750DIA X 0.555FLAT,	0.551	Ø0.748	14	Ø19
	CX04584	ADAPTER, 17MM SQ	0.669	0.669	17	17
	CX04569	ADAPTER,19MM (0.748 SQ.)	0.748	0.748	19	19
	CX04685	ADAPTER,BLANK				
AD/AS 0150/0200/0350/0600	CX04556	ADAPTER,0.628DIA X 0.376FLAT,	0.375	Ø.628	9.5	Ø16
	CX04720	ADAPTER, 11MM SQ	0.433	0.433	11	11
	CX04558	ADAPTER,0.475DIA X 0.650RECT,	0.475	0.65	12	17
	CX04572	ADAPTER, 77D107-108 TO	0.551	0.551	14	14
	CX04566	ADAPTER,0.750DIA X 0.555FLAT,	0.551	Ø0.748	14	Ø19
	CX04560	ADAPTER,0.673 X 0.886RECT,	0.669	0.875	17	22
	CX04571	ADAPTER,19MM	0.748	0.748	19	19
	CX04581	ADAPTER,22MM	0.87	0.87	22	22
	CX04559	ADAPTER,0.869DIA X 1.18RECT,	0.87	1.18	22	30
	CX04557	ADAPTER,1.250DIA X 0.949FLAT,	0.95	Ø1.25	24	Ø32
	CX04582	ADAPTER,27MM	1.063	1.063	27	27
CX04686	ADAPTER,BLANK					
AD/AS 0950	CX04567	ADAPTER,0.673 X 0.886RECT,	0.669	0.886	17	22.5
	CX04562	ADAPTER,1.125DIA X 0.870FLAT,	0.87	Ø1.127	22	Ø29
	CX04561	ADAPTER,1.250DIA X 0.949FLAT,	0.95	Ø1.25	24	Ø32
	CX04622	ADAPTER, 36MM SQ	1.417	1.417	36	36
	CX04563	ADAPTER,BLANK				
AD/AS 1600	CX04568	ADAPTER,1.250DIA X 0.870FLAT,	0.87	Ø1.127	22	Ø29
	CX04564	ADAPTER,1.248DIA X 0.950FLAT,	0.95	Ø1.25	24	Ø32
	CX04565	ADAPTER,BLANK				
AD/AS 0150/0200/0350/0600 (Fits HPBFVs)	CX04680	CLASS 150/300 2"HPBFV (.356 x .490)	0.354	0.49	9	12.5
	CX04714	CLASS 150/300 2-1/2" & 3" HPBFV (.434 x .580)	0.433	0.55	11	14
	CX04681	CLASS 150/300 4"HPBFV (.553 x .725)	0.551	0.725	14	18
	CX04682	CLASS 150/300 5"&6" HPBFV (.671 x .890)	0.669	0.886	17	22.5
	CX04683	CLASS 150 8" HPBFV (.750 x .1.01)	0.748	1.01	19	25.5

Mounting Kit Part Number Log

Date	Part Number Added	Page Number	Initials
5/4/2016	78-2607-01, 78-2608-01	4, 6	
6/16/2016	78-2614-01	49	crp
10/18/2016	All AE/CS/CL electric actuators to ISO Bonnet TEVs	49	crp
10/28/2016	78-2640-01	7	crp
3/7/2017	78-2615-01 to 2" CL150 HPBFV for 0100 & AEs	48	crp
3/9/2017	78-2658-01 12-14"BFV to Bernard AT100 (3RAT50AF)	47	crp
3/13/2017	78-2641-01 for Bernard AT100 (3RAT50AF)	48	crp
4/6/2017	78-2559-01 4" CL150/300 HPBFV to A0150	48	crp
7/6/2017	Added kit 78-2670-01 & 78-2671-01	6	crp
7/24/2017	Added HPBFV kits	12	crp
8/21/2017	Added Special, 78-2674-01	14	crp
9/25/2017	Removed references to old style TEVs and actuators	All	crp
10/17/2017	Removed references to old actuator lines	All	crp
11/29/2017	78-2677-01	12	crp
1/5/2018	78-2681-01	1	crp
3/29/2018	Added 78-2676-01, 6" 6PLF to AT50	7	crp
4/19/2018	Added 78-1632-01	6	crp
5/2/2018	Removed 78-2295-01 from 77D103 to 0012	3	crp
7/26/2018	Added 78-2730-01	12	crp
10/25/2018	Added "Insert" Worksheet	15	crp
11/2/2018	Added 78-2731-01	6	crp
11/21/2018	Added 78-2734-01, 78-2735-01, 78-2736-01, & 78-2737-01	12	crp
12/19/2018	Added 78-2738-01	12	crp
1/22/2019	Changed 1/2" & 3/4" 87A-200 series, new "-A" with gland plate	2, 5, 9, 10	crp
1/31/2019	Created new kits for 1/2" & 3/4" 87A-200 & -900 with gland plate	2, 5, 9, 10	crp
2/11/2019	Added 3pc to Rotork Actuators on Specials page	14	crp
2/27/2019	Added kit 63-001-89 to 0025-0350	1	crp
2/28/2019	Added Proximity Switch kit 63-003-10	2	crp
4/3/2019	Clarified "-A" option for 1/2" & 3/4" 87A200 & 900 series	2, 5, 9, 10	crp
5/7/2019	Added 78-2752-01	12	crp
6/14/2019	Added 78-2763-01 & 78-2764-01	12	crp
7/22/2019	Added 78-2765-01	12	crp
8/15/2019	Added CX03920 to 6"Class 150 HPBFV	12	crp