

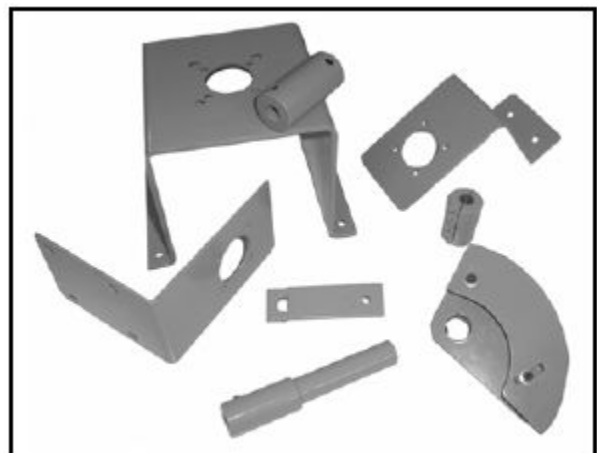
## **Brackets, Couplings and Accessories for Fireye Nexus™**

### **DESCRIPTION**

Greenberg Supply's extensive line of mounting hardware and shaft couplings make applying both the Nexus NX and PPC series of parallel positioning controllers nearly fool proof. Greenberg Supply's unique "D" hole coupling design virtually eliminates the possibility of the servomotor and shaft slipping. Greenberg Supply couplings do not rely on setscrews on the shaft to maintain proper connection, because the flattened or "D" hole design is a perfect fit to Fireye servo motor shafts. The shaft end has four cupped set screws with a locking sealant applied as well as a pre-drilled hole for pinning the driven shaft. All Greenberg Supply mounting brackets are made of heavy gauge steel and powder coated for a durable finish. All motor mounting holes are kept to close tolerances to lessen the amount of movement should the motor mounting bolts become loose. Where direct coupling of the motor to the valve or air damper is impractical, Greenberg Supply offers several Industrial Crank Arms.

### **Cleaver Brooks**

Greenberg Supply offers a complete selection of hardware to make retrofit of Cleaver Brooks boilers easy. Each component is designed to reuse the Cleaver Brooks oil metering valve or gas butterfly valve. This assures the installer that an incorrectly designed or sized replacement valve will not compromise the firing rate. For oil fired boilers, a replacement oil cam and shaft coupling that replaces the OEM cam can be provided eliminating the intermediate adjusting screws and spring. The gas valve bracket fits the bolt pattern of the valve after removal of the over travel hardware. The air register drive arm and bracket allow for normal service of the burner without removing the servomotor. An optional FGR kit is also available for the "LE" style boiler.





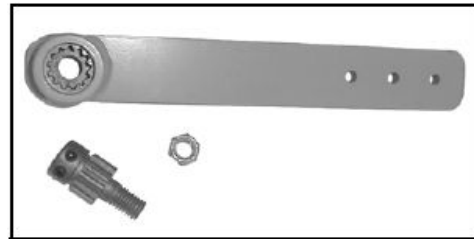
## Couplings



Greenberg Supply offers an extensive line of servomotor shaft couplings. Each coupling has flattened "D" holes on the motor with four set screws and an appropriate sized roll pin hole on the driven shaft end. These couplings are available in a wide range of sizes. When used with a roll pin, these couplings assure a direct connection that will not rotate even if the setscrews loosen. For FGR damper applications, where thermal expansion of the damper shaft may cause thrust loading of the motor shaft, Greenberg Supply offers a unique expandable flexible coupling.

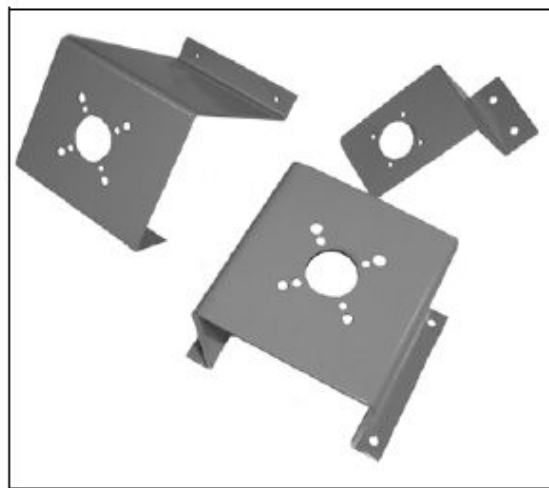
## Industrial Crank Arms

For applications that do not lend themselves to a direct connection between the servomotor and the shaft Greenberg Supply's industrial crank arms can be used. These arms consist of a splined "D" hole mounting hub and arm. The hub provides thirteen separate mounting positions allowing the arm to be oriented properly. Tightening a small setscrew in the arm eliminates any slight play between the hub and arm. This setscrew is located so as to fit between spline teeth in the hub. The arm is secured to the hub by a lock nut. Each arm has three pivot holes: 3, 4 and 5 inches, or 6, 7 and 8 inches from the motor shaft.



## Custom Brackets and Couplings

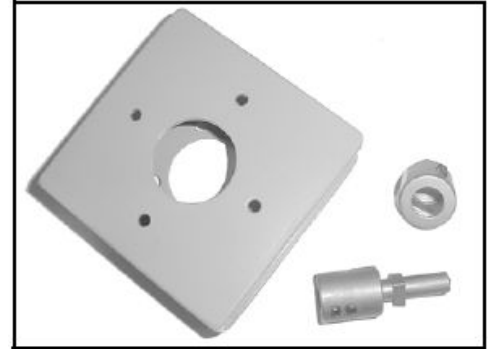
Greenberg Supply has provided custom brackets for a variety of applications. We can fabricate to your specifications.





### **Honeywell V5197 Valve**

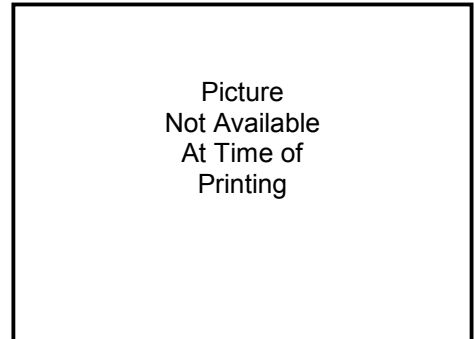
Fireye servomotors can be fit directly to the modular V5197 series valves. Greenberg Supply's mounting bracket has assembly holes for attaching to the valve body. The bracket comes with the correct coupling with square section and "D" hole for the motor end. The motor can be mounted in four positions for ease of wiring.



### **Maxon Micro Ratio Gas Valve**

Similar to the Honeywell V5197, Greenberg Supply provides a bracket and coupling which can retrofit most Maxon Micro Ratio Valves after removal of the Maxon cam mechanism.

Note: Not applicable to Maxon Oil Valves.





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**I. Cleaver Brooks**

**Sections I and II of this bulletin pertain to Cleaver Brooks boiler retrofits. These components may be used on other equipment, if applicable.**

**EXAMPLE 1:** To retrofit a CB boiler firing gas and oil using the following motors; Air-NXC20, Oil-NXC12, Gas-NXC04 with 3 inch HW V51E (standard) gas valve, the following components would be required.

<b>QTY</b>	<b>Part Number</b>
1	NXCBA12C - 12 MM Air Drive Arm
1	NXCBA01- Air Servomotor Mounting Bracket
1	NXCBOFT10 - Oil Cam Shaft, 10 MM "D" hole
1	NXCBOC- Oil Cam
1	NXCBA02- Oil Servomotor Mounting Bracket
1	NXCBGV300- Gas Valve Bracket
1	NXCBGV0812-Gas Valve Coupling, 8 MM x 1/2 inch
	If the boiler is of the "LE" style using an NXC12 servomotor add the following
1	NXCBFGR350- FGR damper bracket
1	NXCBFGR10- Special FGR Coupling

**EXAMPLE 2:** To retrofit a CB Watertube boiler firing gas and oil using the following motors; Air-NXC40, Oil-NXC12, Gas-NXC04 with 4 inch gas valve, the following components would be required.

<b>QTY</b>	<b>Part Number</b>
1	NXCWTAO1- Bracket for CB Watertube boiler air servomotor
1	NXCG1234S- 12 MM x 3/4 inch coupling. *
1	NXCBOFT10- Oil Cam Shaft, 10 MM "D" hole
1	NXCBOC- Oil Cam
1	NXCBA02- Oil Servomotor Mounting Bracket
1	NXCBGV400- Gas Valve Bracket
1	NXCBGV0812-Gas Valve Coupling, 8 MM x 1/2 inch

\* - verify shaft size – other couplings available



**A. Oil Cam Shaft**

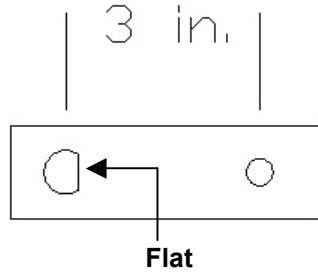
Greenberg Supply PN	Status	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04	10 MM	NXC20	12 MM	12 MM
			8 MM	Shaft	12 MM	Shaft	12 MM
			Shaft		Shaft	Shaft	Shaft
NXCBOFT08		Oil cam shaft with 8mm "D" hole, 5.5" long. Fits NX04, NXC04 servomotors	X				
NXCBOFT10		Oil cam shaft with 10mm "D" hole, 5.5" long. Fits NX12 servomotor only		X			
NXCBOFT12		Oil cam shaft with 12mm "D" hole, 5.5" long. Fits NX20, NXC20 servomotors			X		
NXCBOFT08-12	NS	Oil cam shaft with 8mm "D" hole, 12" long. Fits NX04, NXC04 servomotors	X				
NXCBOFT10-12	NS	Oil cam shaft with 10mm "D" hole, 12" long. Fits NXC12 servomotor only.		X			
NXCBOFT12-12	NS	Oil cam shaft with 12mm "D" hole, 12" long. Fits NX20, NXC20 servomotors			X		
NXCBOC		Oil cam for CB Firetube and Watertube boilers Fits all NXCBOFTxx cam shafts.	X	X	X	X	X

**B. Required with Oil Cam**

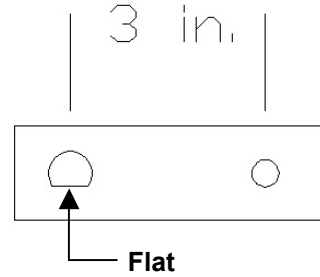
Greenberg Supply PN	Status	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04	10 MM	NXC20	12 MM	12 MM
			8 MM	Shaft	12 MM	Shaft	12 MM
			Shaft		Shaft	Shaft	Shaft
NXCBAO1		"L" shaped bracket for mounting oil servo. Fits all servomotors	X	X	X	X	X



**C. Cleaver Brooks/Generic Air Drive Arms**



**NXCBAAXXC**  
PPC6000 – NX6100



**NXCBAAXX**  
NX3100/4100 – PPC5000

NOTE: Orientation of Flat. This arm may be used for general purpose when used with pedestal bracket NXSPB5. (See page 19.)

Greenberg Supply PN	Status	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCBA08		Air drive arm for CB Firetube boilers. For NX04	X				
NXCBA08C		Air drive arm for CB Firetube boilers. For NXC04	X				
NXCBA10C		Air drive arm for CB Firetube boilers. For NXC12 servomotor only		X			
NXCBA12		Air drive arm for CB Firetube boilers. For NX20, NXC20, NXC40 and NX50 servomotors			X		X
NXCBA12C		Air drive arm for CB Firetube boilers. For NXC20, NXC40, NX50 servomotors			X	X	X



**D. Required with Air Drive Arm**

Greenberg Supply PN	Status	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04	NXC12	NXC20	NXC40	NX50
			8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCBAO2		"Z" shaped bracket, 1.5" standoff for mounting air servo. Fits all servomotors. (Air arm rotates parallel to the boiler front.)	X	X	X	X	X

**E. Cleaver Brooks / General Purpose Watertube Bracket**

Greenberg Supply PN	Status	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04	NXC12	NXC20	NXC40	NX50
			8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCBWTAO1		"Hat" bracket for CB Watertube boiler air servomotor. Dimensions: W 7.0"xH 5.5"x 5" standoff. Fits all servomotors	X	X	X	X	X

**F. Cleaver Brooks / General Purpose Coupling**

Greenberg Supply PN	Status	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04	NXC12	NXC20	NXC40	NX50
			8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCG1234S		Air servomotor coupling for 3/4 inch damper shaft. Fits* NX20, NXC20, NXC40, NX50.			X	X	X

\* NOTE: Other sizes available. See Section VI.





## II. Cleaver Brooks / Honeywell V51E Gas Valves, Brackets and Couplings

### A. Gas Valve Brackets

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCBGV200	CB gas valve bracket, Honeywell V51E, 2.0". Fits all NX and NXC servomotors					
NXCBGV250	CB gas valve bracket, Honeywell V51E, 2.5". Fits all NX and NXC servomotors					
NXCBGV300	CB gas valve bracket, Honeywell V51E, 3.0". Fits all NX and NXC servomotors					
NXCBGV400	CB gas valve bracket, Honeywell V51E, 4.0". Fits all NX and NXC servomotors					

### B. Couplings - HW V51E valve

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXC GC0812S	Coupling for Honeywell V51E valve 8mm "D" hole by 1/2 Inch with set screws and pointer	X				
NXC GC1012S	Coupling for Honeywell V51E valve 10mm "D" hole by 1/2 Inch with set screws and pointer		X			
NXC GC1212S	Coupling for Honeywell V51E valve 12mm "D" hole by 1/2 Inch with set screws and pointer			X	X	X



**C. Valves - HW V51E**

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
V51E1018	Honeywell V51E 2.0" screwed valve max. pressure 5 psi					
V51E1034	Honeywell V51E 2.5" screwed valve max. pressure 5 psi					
V51E1059	Honeywell V51E 3.0" screwed valve max. pressure 5 psi					
V51E1075	Honeywell V51E 4.0" screwed valve max. pressure 5 psi					

**D. FGR Bracket and Couplings**

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCBFGR350	Servomotor bracket for CB "LE" style boiler. Flue gas recirculation. Fits all servomotors NX04, NXC04, NX20, NXC20	X	X	X		
NXCBFGR08	Coupling for CB FGR damper. Reuses the existing CB spring assembly for over travel.	X				
NXCBFGR10	Coupling for CB FGR damper. Reuses the existing CB spring assembly for over travel.		X			
NXCBFGR12	Coupling for CB FGR damper. Reuses the existing CB spring assembly for over travel			X	X	X

**NOTE: "X" Represents components that depend upon the motor size.**



### III. Eclipse Gas Valves, Brackets and Couplings

#### A. Brackets – Eclipse Gas Valves

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04	NXC12	NXC20	NXC40	NX50
		8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXEVB200	Eclipse butterfly gas valve bracket, 2.0". Fits all NX and NXC servomotors					
NXEVB250	Eclipse butterfly gas valve bracket, 2.5". Fits all NX and NXC servomotors					
NXEVB300	Eclipse butterfly gas valve bracket, 3.0". Fits all NX and NXC servomotors					
NXEVB400	Eclipse butterfly gas valve bracket, 4.0". Fits all NX and NXC servomotors					

#### B. Couplings – Eclipse Gas Valves

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04	NXC12	NXC20	NXC40	NX50
		8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCG0810S	8mm "D" hole coupling for Eclipse butterfly gas valve. Fits NX04 and NXC04 servomotors	X				
NXCG1010S	10mm "D" hole coupling for Eclipse butterfly gas valve. Fits NXC12 servomotor only		X			



Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04	NXC12	NXC20	NXC40	NX50
		8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCG1210S	12mm "D" hole coupling for Eclipse butterfly gas valve. Fits NX20, NXC20, NXC40, NX50 servomotors			X	X	X

**C. Eclipse Gas Valves**

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04	NXC12	NXC20	NXC40	NX50
		8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
8BV-A	Eclipse 2.0" screwed gas valve max. pressure 5 psi					
10BV-A	Eclipse 2.5" screwed gas valve max. pressure 5 psi					
12BV-A	Eclipse 3.0" screwed gas valve max. pressure 5 psi					
16BV-A	Eclipse 4.0" screwed gas valve max. pressure 5 psi					



#### IV. North American Gas Valves, Brackets and Couplings

##### A. Brackets – North American Gas Valves

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04		NXC20		
		8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXNAB200	Servomotor mounting bracket for 2.0" valve. Fits all NX and NXC servomotors. Use 3/8" coupling.					
NXNAB250	Servomotor mounting bracket for 2.5" valve. Fits all NX and NXC servomotors. Use 3/8" coupling.					
NXNAB300	Servomotor mounting bracket for 3.0" valve. Fits all NX and NXC servomotors. Use 1/2" coupling.					
NXNAB400	Servomotor mounting bracket for 4.0" valve. Fits all NX and NXC servomotors. Use 1/2" coupling.					

##### B. Couplings – North American Gas Valves

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04		NXC20		
		8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
NXNAC0838S	8mm "D" hole coupling for North American butterfly gas valve with 3/8" shaft. Fits NX04 and NXC04 servomotors.	X				
NXNAC1038S	10mm "D" hole coupling for North American butterfly gas valve with 3/8" shaft. Fits NXC12 servomotor only.		X			



Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXNAC1238S	12mm "D" hole coupling for North American butterfly gas valve with 3/8" shaft. Fits NX20, NXC20, NXC40, NX50 servomotors.			X	X	X
NXNAC0812S	8mm "D" hole coupling for North American butterfly gas valve with 1/2 " shaft. Fits NX04 and NXC04 servomotors.	X				
NXNAC1012S	10mm "D" hole coupling for North American butterfly gas valve with 1/2 " shaft. Fits NXC12 servomotor only.		X			
NXNAC1212S	12mm "D" hole coupling for North American butterfly gas valve with 1/2 " shaft. Fits NX20, NXC20, NXC40, and NX50 servomotors.			X	X	X

**C. North American Gas Valves**

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
1126-4	North American 2.0" threaded butterfly valve max. pressure 15 psi					
1126-5	North American 2.5" threaded butterfly valve max. pressure 15 psi					
1126-6	North American 3.0" threaded butterfly valve max. pressure 15 psi					
1126-7	North American 4.0" threaded butterfly valve max. pressure 15 psi					



Greenberg Supply PN	Description	NX04 NXC04 8 MM Shaft	NXC12 10 MM Shaft	NX20 NXC20 12 MM Shaft	NXC40 12 MM Shaft	NX50 12 MM Shaft
1126-6F	North American 3.0" flanged butterfly valve max. pressure 15 psi					
1126-7F	North American 4.0" flanged butterfly valve max. pressure 15 psi					



## V. Hauck Oil Metering Valves, Mounting Brackets and Couplings

### A. Brackets – Hauck S, F, B, G and K Series Oil Valves

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXHMVS	Mounting bracket: NX/NXC04 – 20 to Hauck S series oil valve					
NXHMVFB	Mounting bracket: NX/NXC04 – 20 to Hauck F&B series oil valve					
NXHMVGK	Mounting bracket: NX/NXC04 – 20 to Hauck G&K series oil valve					

### B. Couplings – Hauck S, F, B, G and K Series Oil Valves

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXHMV08	Hauck oil metering valve coupling- 8 mm. Fits NX04, NXC04 servomotors	X				
NXHMV10	Hauck oil metering valve coupling- 10 mm. Fits NXC12 servomotor		X			
NXHMV12	Hauck oil metering valve coupling- 12 mm. Fits NX20, NXC20, NXC40, NX50 servomotors			X	X	X





**C. Hauck Oil Metering Valves**

Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
S3-3	Hauck S series oil valve					
S3-5	Hauck S series oil valve					
S3-7	Hauck S series oil valve					
S3-9	Hauck S series oil valve					
S3-11	Hauck S series oil valve					
F½-16	Hauck F series oil valve					
F½-18	Hauck F series oil valve					
F½-20	Hauck F series oil valve					
F½-24	Hauck F series oil valve					



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Greenberg Supply PN	Description	NX04	NXC12	NX20	NXC40	NX50
		NXC04	NXC12	NXC20	NXC40	NX50
		8 MM Shaft	10 MM Shaft	12 MM Shaft	12 MM Shaft	12 MM Shaft
G1-29	Hauck F series oil valve					

**Note:** Other sizes available upon request.



## VI. General Purpose – Brackets and Couplings and Arms

### A. Arms - General Purpose Brackets and Couplings

Greenberg Supply PN	Status*	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXICA345		Industrial crank arm with splined "D" hole mounting hub, 12mm with holes at 3", 4" & 5" from servo shaft.			X	X	X
NXICA678	NS	Industrial crank arm with splined "D" hole mounting hub, 12mm with holes at 6", 7" & 8" from servo shaft.			X	X	X
NXGPCA12		General purpose crank arm, 1/2 in. shaft, 3.5 in. center to center, 4 set screws with hole for pinning	NA	NA	NA	NA	NA

\* NS – Non-Stock Item. Check Delivery

### B. Brackets - Mounting hardware and shaft couplings with "D" hole design

Greenberg Supply PN	Status*	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCBFGR350		General Purpose "Z" shaped bracket. 2 mounting holes, standoff 3.5" Fits all servomotors.					
NXVB5197	NS	Honeywell 5197 Series Valve bracket fits all servomotors					
NXMRVB1	NS	Retrofit bracket for Maxon Micro Ratio Valve. Fits all servomotors					
NXSPB5		Standard pedestal bracket for general use. Fits all servomotors, 5 in. shaft height.					

\* NS – Non-Stock Item. Check Delivery



**C. Couplings - Mounting hardware and shaft couplings with "D" hole design**

Greenberg Supply PN	Status*	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCG0810S		General Purpose Coupling 8mm "D" hole x 10 mm; 4 set screws and pointer, drill hole for pinning, 2.5 in. long. Fits NX04 and NXC04 servomotors.	X				
NXCG0812S		General Purpose Coupling 8mm "D" hole x 1.5"; 4 set screws and pointer, drill hole for pinning, 2.5 in. long. Fits NX04 and NXC04 servomotors.	X				
NXCG1010S		General Purpose Coupling 10mm "D" hole x 10 mm; 4 set screws and pointer, drill hole for pinning, 2.5 in. long Fits NXC12 servomotor only		X			
NXCG1012S		General Purpose Coupling 10mm "D" hole x 1.5", 4 set screws and pointer, drill hole for pinning, 2.5 in. long Fits NXC12 servomotor only		X			
NXCG1210S		General Purpose Coupling 12mm "D" hole x 10 mm; 4 set screws and pointer, drill hole for pinning, 2.5" long. Fits NX20, NXC20, NXC40, NX50 servomotors.			X	X	X
NXCGFLX34	NS	Special purpose expandable/flexible servomotor shaft coupling with "D" hole design, 12mm X 3/4in. 3 in long			X	X	X
NXCG1238S		General purpose servomotor shaft coupling with "D" hole design, 12mm X 3/8", 4 set screws and pointer. Drill hole for pinning. 2.5" long			X	X	X



Greenberg Supply PN	Status*	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXCG1212S		General purpose servomotor shaft coupling with "D" hole design, 12mm X 1/2", 4 set screws and pointer. Drill hole for pinning. 2.5" long			X	X	X
NXCG1258S		General purpose servomotor shaft coupling with "D" hole design, 12mm X 5/8", 4 set screws and pointer. Drill hole for pinning. 2.5" long			X	X	X
NXCG1234S		General purpose servomotor shaft coupling with "D" hole design, 12mm X 3/4", 4 set screws and pointer. Drill hole for pinning. 2.5" long			X	X	X
NXCG12100S		General purpose servomotor shaft coupling with "D" hole design, 12mm X 1.0", 4 set screws and pointer. Drill hole for pinning. 2.5" long			X	X	X
NXCG1038S		General purpose servomotor shaft coupling with "D" hole design, 10mm X 3/8", 4 set screws and pointer. Drill hole for pinning. 2.5" long		X			
NXCG1012S		General purpose servomotor shaft coupling with "D" hole design, 10mm X 1/2", 4 set screws and pointer. Drill hole for pinning. 2.5" long		X			
NXCG1058S		General purpose servomotor shaft coupling with "D" hole design, 10mm X 5/8", 4 set screws and pointer. Drill hole for pinning		X			
NXCG1034S		General purpose servomotor shaft coupling with "D" hole design, 10mm X 3/4", 4 set screws and pointer. Drill hole for pinning		X			
NXCG1212SQ	NS	General purpose servomotor shaft coupling with "D" hole design, 12mm X 1/2", 4 set screws and pointer. Drill hole for pinning Square Socket			X	X	X



Greenberg Supply PN	Status*	Description	NX04	NXC12	NX20	NXC40	NX50
			NXC04 8 MM Shaft	10 MM Shaft	NXC20 12 MM Shaft	12 MM Shaft	12 MM Shaft
NXVC5197-08	NS	Honeywell 5197 Series Valve coupling. Fits NX04, NXC04 servomotors	X				
NXVC5197-10	NS	Honeywell 5197 Series Valve coupling. Fits only NXC12 servomotor ONLY		X			
NXVC5197-12	NS	Honeywell 5197 Series Valve coupling fits NX20, NXC20, NXC40, NX50 servomotors			X	X	X
NXMRVC08	NS	Maxon Micro Ratio Valve Coupling. Fits NX04, NXC04 servomotors	X				
NXMRVC10	NS	Maxon Micro Ratio Valve Coupling. Fits NX12 servomotor ONLY		X			
NXMRVC12	NS	Maxon Micro Ratio Valve Coupling. Fits NX20, NXC20, NXC40, NX50 servomotors			X	X	X

**\* NS – Non-Stock Item. Check Delivery**



**VII. Oil Metering Valve Assemblies (Hauck) for NX/NXC servo motors (Servo's NOT included)**

For *ordering* convenience: the oil metering valve assemblies (Hauck) for NX/NXC servo motors (note: servo's not included) can be ordered by the following part numbers.

**NOTE:** The *invoice* will reflect the part numbers for the individual components listed.

Greenberg Supply PN	Status*	Description
NXS3-1	NS	Assembly - Oil metering valve, S3-3 for NX04-1/NXC04 servo with NXHMVS bracket and NXHVM08 coupling
NXS5-1	NS	Assembly - Oil metering valve, S3-5 for NX04-1/NXC04 servo with NXHMVS bracket and NXHVM08 coupling
NXS7-1	NS	Assembly - Oil metering valve, S3-7 for NX04-1/NXC04 servo with NXHMVS bracket and NXHVM08 coupling
NXS9-1	NS	Assembly - Oil metering valve, S3-9 for NX04-1/NXC04 servo with NXHMVS bracket and NXHVM08 coupling
NXS11-1	NS	Assembly - Oil metering valve, S3-11 for NX04-1/NXC04 servo with NXHMVS bracket and NXHVM08 coupling
NXS3-12	NS	Assembly - Oil metering valve, S3-3 for NXC12 ONLY servo with NXHMVS bracket and NXHVM10 coupling
NXS5-12	NS	Assembly - Oil metering valve, S3-5 for NXC12 ONLY servo with NXHMVS bracket and NXHVM10 coupling
NXS7-12	NS	Assembly - Oil metering valve, S3-7 for NXC12 ONLY servo with NXHMVS bracket and NXHVM10 coupling
NXS9-12	NS	Assembly - Oil metering valve, S3-9 for NXC12 ONLY servo with NXHMVS bracket and NXHVM10 coupling
NXS11-12	NS	Assembly - Oil metering valve, S3-11 for NXC12 ONLY servo with NXHMVS bracket and NXHVM10 coupling
NXS3-2	NS	Assembly - Oil metering valve, S3-3 for NX20-1/NXC20 servo with NXHMVS bracket and NXHVM12 coupling
NXS5-2	NS	Assembly - Oil metering valve, S3-5 for NX20-1/NXC20 servo with NXHMVS bracket and NXHVM12 coupling
NXS7-2	NS	Assembly - Oil metering valve, S3-7 for NX20-1/NXC20 servo with NXHMVS bracket and NXHVM12 coupling
NXS9-2	NS	Assembly - Oil metering valve, S3-9 for NX20-1/NXC20 servo with NXHMVS bracket and NXHVM12 coupling
NXS11-2	NS	Assembly - Oil metering valve, S3-11 for NX20-1/NXC20 servo with NXHMVS bracket and NXHVM12 coupling
NXF16-1	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -16 for NX04-1/NXC04 servo with NXHMFVFB bracket and NXHVM08 coupling
NXF18-1	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -18 for NX04-1/NXC04 servo with NXHMFVFB bracket and NXHVM08 coupling



Greenberg Supply PN	Status*	Description
NXF20-1	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -20 for NX04-1/NXC04 servo with NXHMFVB bracket and NXHMOV08 coupling
NXF24-1	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -24 for NX04-1/NXC04 servo with NXHMFVB bracket and NXHMOV08 coupling
NXF16-12	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -16 for NXC12 ONLY servo with NXHMFVB bracket and NXHMOV10 coupling
NXF18-12	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -18 for NXC12 ONLY servo with NXHMFVB bracket and NXHMOV10 coupling
NXF20-12	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -20 for NXC12 ONLY servo with NXHMFVB bracket and NXHMOV10 coupling
NXF24-12	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -24 for NXC12 servo with NXHMFVB bracket and NXHMOV10 coupling
NXF16-2	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -16 for NX20-1/NXC20 servo with NXHMFVB bracket and NXHMOV12 coupling
NXF18-2	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -18 for NX20-1/NXC20 servo with NXHMFVB bracket and NXHMOV12 coupling
NXF20-2	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -20 for NX20-1/NXC20 servo with NXHMFVB bracket and NXHMOV12 coupling
NXF24-2	NS	Assembly - Oil metering valve, F $\frac{1}{2}$ -24 for NX20-1/NXC20 servo with NXHMFVB bracket and NXHMOV12 coupling
NXG29-2	NS	Assembly - Oil metering valve, G1-29 for NX20-1/NXC20 servo with NXHMGVK bracket and NXHMOV12 coupling

**\* NS – Non-Stock Item. Check Delivery**

**NOTE:** Other sizes available upon request. Specify valve size and motor.





**VIII. Gas Butterfly Valve Assemblies (Eclipse) for NX/NXC servo motors (Servo's NOT included)**

For *ordering* convenience: the oil metering valve assemblies (Eclipse) for NX/NXC servo motors (note: servo's not included) can be ordered by the following part numbers.

**NOTE:** The *invoice* will reflect the part numbers for the individual components listed.

Greenberg Supply PN	Status*	Description
NX048BV	NS	Assembly - 2" Butterfly valve for NX04-1/NXC04 servo with NXEVB200 bracket and NXEVC0810S coupling
NX0410BV	NS	Assembly - 2-1/2" Butterfly valve for NX04-1/NXC04 servo with NXEVB250 bracket and NXEVC0810S coupling
NX0412BV	NS	Assembly - 3" Butterfly valve for NX04-1/NXC04 servo with NXEVB300 bracket and NXEVC0810S coupling
NX0416BV	NS	Assembly - 4" Butterfly valve for NX04-1/NXC04 servo with NXEVB400 bracket and NXEVC0810S coupling
NX128BV	NS	Assembly - 2" Butterfly valve for NXC12 ONLY servo with NXEVB200 bracket and NXEVC1010S coupling
NX1210BV	NS	Assembly - 2-1/2" Butterfly valve for NXC12 ONLY servo with NXEVB250 bracket and NXEVC1010S coupling
NX1212BV	NS	Assembly - 3" Butterfly valve for NXC12 ONLY servo with NXEVB300 bracket and NXEVC1010S coupling.
NX1216BV	NS	Assembly - 4" Butterfly valve for NXC12 ONLY servo with NXEVB400 bracket and NXEVC1010S coupling
NX208BV	NS	Assembly - 2" Butterfly valve for NX20-1/NXC20 servo with NXEVB200 bracket and NXEVC1210S coupling
NX2010BV	NS	Assembly - 2-1/2" Butterfly valve for NX20-1/NXC20 servo with NXEVB250 bracket and NXEVC1210S coupling
NX2012BV	NS	Assembly - 3" Butterfly valve for NX20-1/NXC20 servo with NXEVB300 bracket and NXEVC1210S coupling.
NX2016BV	NS	Assembly - 4" Butterfly valve for NX20-1/NXC20 servo with NXEVB400 bracket and NXEVC1210S coupling

**\* NS – Non-Stock Item. Check Delivery**

**NOTE:** Other sizes available upon request. Specify valve size and motor.

For mounting brackets or couplings not listed here or to receive a quote for custom brackets or couplings, please provide a detailed sketch with dimensions and fax to (302) 656-6888, GREENBERG SUPPLY CO, INC., P.O. BOX 9248, 5<sup>TH</sup> & CHURCH STS., WILMINGTON, DELAWARE 19809 or email to [fireyenexus@greenbergsupply.com](mailto:fireyenexus@greenbergsupply.com)



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## ACKNOWLEDGEMENTS

The Nexus lines are products of Fireye, Inc., 3 Manchester Road, Derry, New Hampshire 03038 USA

Cleaver Brooks, Inc., 11950 West Lake Park Drive, Milwaukee, Wisconsin 53224 USA

Eclipse, Inc., 1665 Elmwood Rd., Rockford, IL 51103 USA

Hauk Manufacturing Company, PO Box 90, Lebanon, PA 17042 USA

Honeywell International, Inc., 101 Columbia Road, Morristown, NJ 07962 USA

Maxon Corporation, 201 East 18<sup>th</sup> Street, Muncie, IN 47302 USA

The North American Manufacturing Co., 4455 East 71<sup>st</sup> Street, Cleveland, OH 44105 USA

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## NOTICE

When these Greenberg Supply Co. products are combined with equipment manufactured by other and/or integrated into systems designed or manufactured by others, the Greenberg Supply Co. warranty, as stated in its General Terms and Conditions of Sale, pertains only to Greenberg Supply Co. products and not to any other equipment or to the combined system or its overall performance.



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