

## DEFLECTOR KITS & FUTURE ASSEMBLIES

### MCS AND SPS PRODUCTS

NDD012

- Standard 150# ANSI Flange Pattern Compatible
- Corrosion Resistant Polyester Finish
- Deflector Assembly Can Be Installed Prior to MCS Chamber or SPS-9 Delivery
- Corrosion Resistant Red or Yellow Polyester Finish
- Available in Carbon Steel & Stainless Steel Models



### Description

Deflector Kits and Future Assemblies allow customers to install the deflector assembly prior to delivery of the MCS Foam Chamber or SPS-9.

Deflector Kits and Future Assemblies are available in split, shallow or split shallow configurations. All mounting hardware is included in the kits and assemblies.

All Future Assemblies are supplied with the same items as the Deflector Kits, plus a Blanking Coverplate. The coverplate is used to seal the foam chamber cut-out on the storage tank side, preventing birds, dirt, debris etc. from entering the tank until the tank is ready for foam chamber mounting.

Deflector Kits and Future Assemblies mount to standard ANSI 150# bolt patterns giving users the ability to utilize these devices wherever pipe, chamber or foam maker discharge application is required.

The **split deflector** is designed to accommodate most installations, and can be installed from outside the tank.

**Shallow deflectors** are intended for use when the tank is fitted with a floating roof which may pass over the deflector, minimizing possible damage to the roof seals. Shallow deflectors must be installed from inside the tank.

The **split-shallow deflector** is designed to accommodate most internal floating roof applications and can be installed from the outside of the tank.

### Features

- Available in three configurations to suit customer requirements
- Available in Red and Yellow Fused Polyester Powder Coat finishes and unpainted Stainless Steel
- Supplied with all mounting hardware

### Materials of Construction

Deflector.....	Carbon Steel or SS
Stud Flange.....	Carbon Steel or SS
Bolts.....	Zinc Plated or SS
Internal Studs.....	Zinc Plated or SS
and Nuts	
Deflector Nuts.....	Teflon and SS
Gaskets.....	High Temp.
	Synthetic Fiber
	w/ Nitrile or EPDM Binders

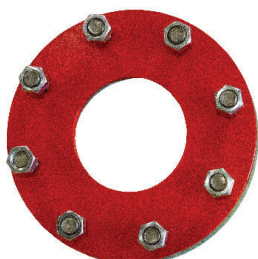
### Finish:

#### Painted Components

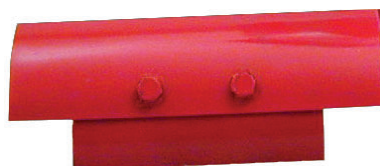
Abrasive blast to SSPC-SP6 chemical wash, rinse and seal. Oven baked fusion coated polyester, 3 mils DFT.

#### Stainless Steel

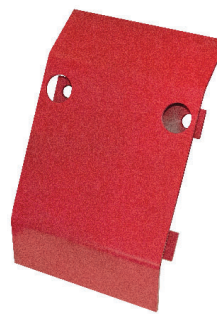
Natural Finish. Abrasive blast to SSPC-SP6 and passivated.



**STUD FLANGE**



**SPLIT DEFLECTOR**



**SHALLOW DEFLECTOR**



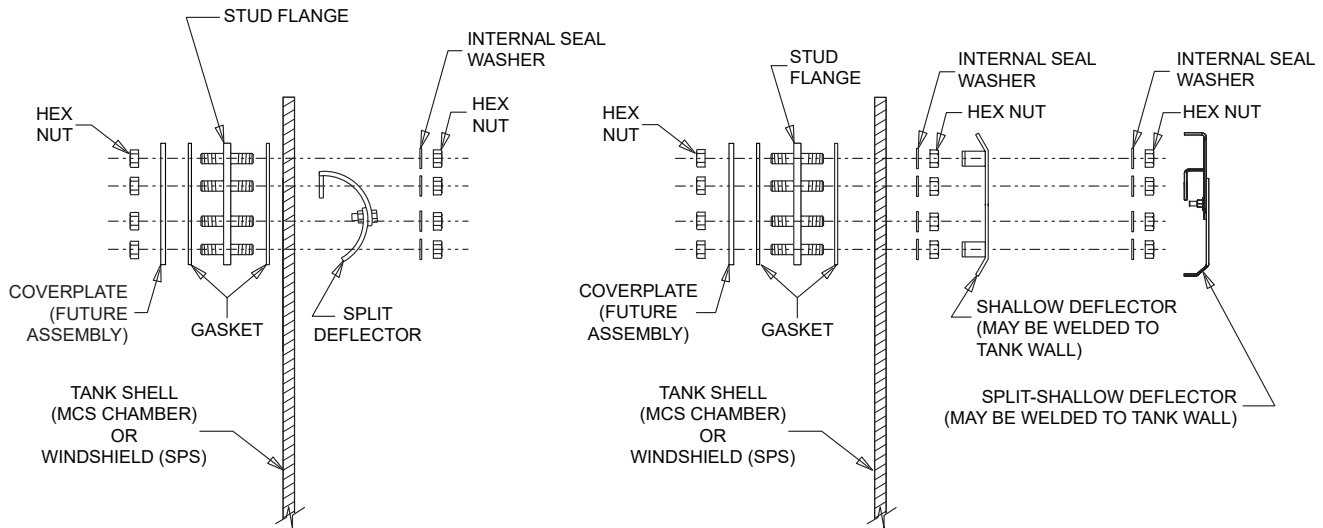
**SPLIT-SHALLOW DEFLECTOR**

### **DEFLECTOR KIT COMPONENTS**

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## MCS AND SPS PRODUCTS

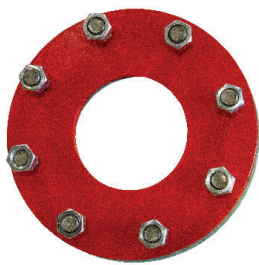
NDD012



**Split Deflector Kit**

**Shallow & Split-Shallow Deflector Kits**

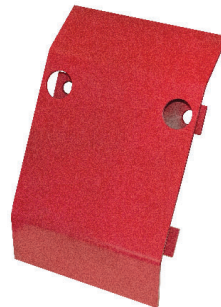
### **FUTURE ASSEMBLY INSTALLATION**



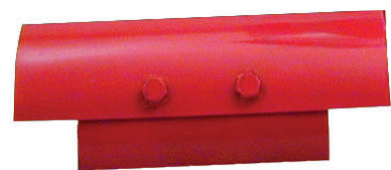
**STUD FLANGE**



**COVERPLATE**



**SHALLOW DEFLECTOR**



**SPLIT DEFLECTOR**



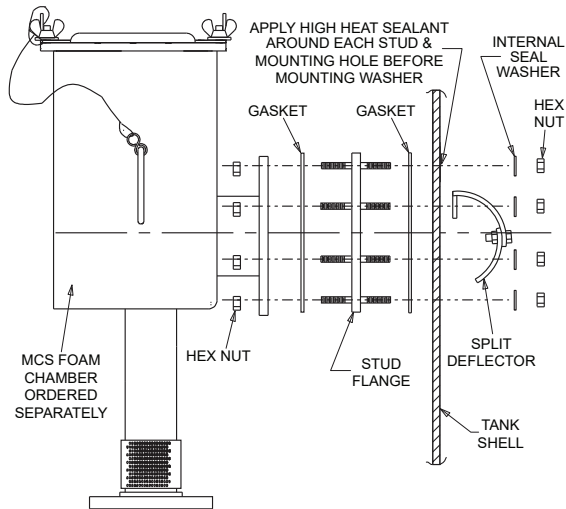
**SPLIT-SHALLOW DEFLECTOR**

### **FUTURE ASSEMBLY COMPONENTS**

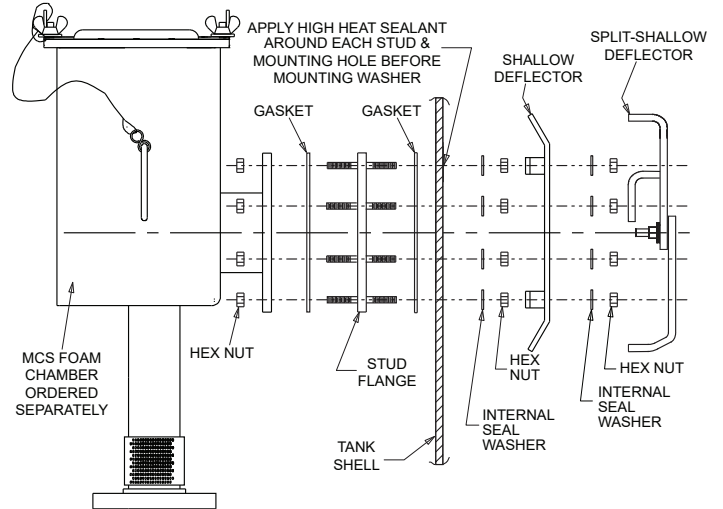
# DEFLECTOR KITS & FUTURE ASSEMBLIES

## MCS AND SPS PRODUCTS

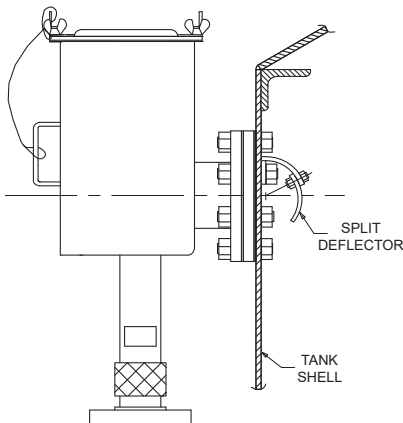
NDD012



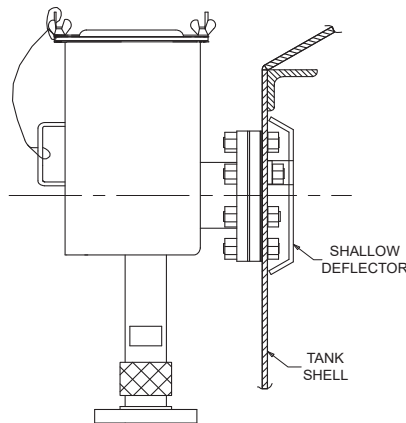
**FOAM CHAMBER MOUNTING  
TO  
SPLIT DEFLECTOR KIT**



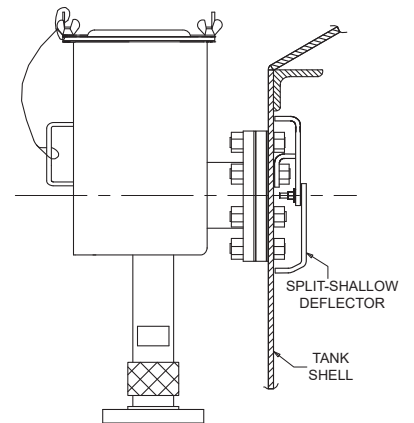
**FOAM CHAMBER MOUNTING  
TO  
SHALLOW & SPLIT-SHALLOW DEFLECTOR KIT**



**MCS CHAMBER  
with  
SPLIT DEFLECTOR  
ASSEMBLED**



**MCS CHAMBER  
with  
SHALLOW DEFLECTOR  
ASSEMBLED**

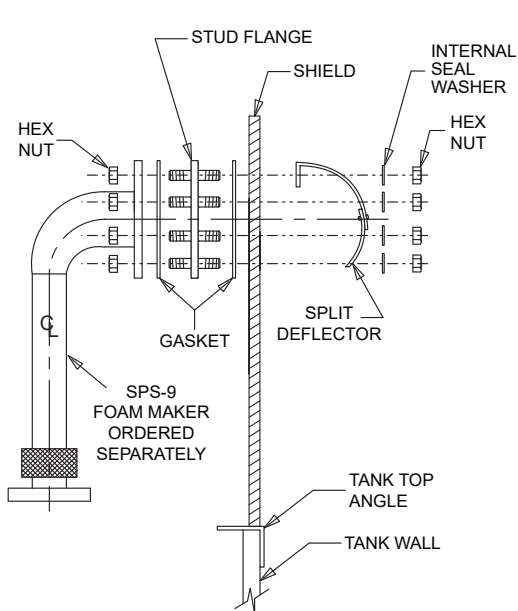


**MCS CHAMBER  
with  
SPLIT-SHALLOW DEFLECTOR  
ASSEMBLED**

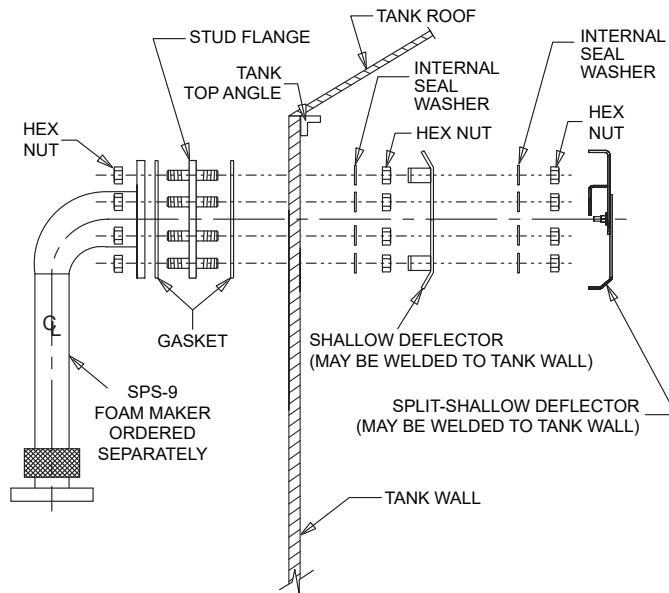
# DEFLECTOR KITS & FUTURE ASSEMBLIES

## MCS AND SPS PRODUCTS

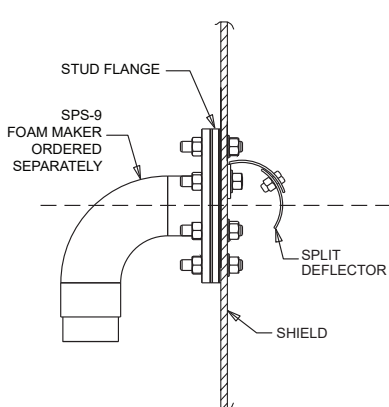
NDD012



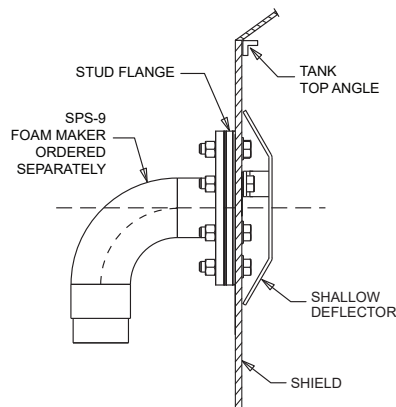
**SPS-9 FOAM MAKER MOUNTING**  
**TO**  
**SPLIT DEFLECTOR KIT COMPONENTS**  
**on CUSTOMER SUPPLIED WINDSHIELD**  
**on OPEN TOP FLOATING ROOF TANK**



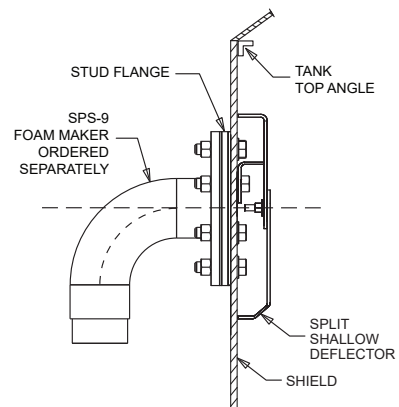
**SPS-9 FOAM MAKER MOUNTING**  
**TO**  
**SHALLOW & SPLIT-SHALLOW DEFLECTOR KIT**  
**on INTERNAL FLOATING ROOF**  
**for SEAL PROTECTION ONLY**



**SPS-9FR FOAM DISCHARGE ASS'Y**  
**with**  
**SPLIT DEFLECTOR**  
**ASSEMBLED**



**SPS-9FR FOAM DISCHARGE ASS'Y**  
**with**  
**SHALLOW DEFLECTOR**  
**ASSEMBLED**



**SPS-9FR FOAM DISCHARGE ASS'Y**  
**with**  
**SPLIT-SHALLOW DEFLECTOR**  
**ASSEMBLED**

# DEFLECTOR KITS & FUTURE ASSEMBLIES

## MCS AND SPS PRODUCTS

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DEFLECTOR KIT ORDERING INFORMATION	
MCS-9 & SPS-9 SPLIT DEFLECTOR/STUD FLANGE KIT (Cone Roof, Open Top Above Top Flange, External Assembly Applications)	
<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-1651-7
Natural Finish - Stainless Steel	1253-1652-5
Yellow Powder Coat	1253-1661-5

MCS-9 & SPS-9 SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications)	
<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-1651-8
Natural Finish - Stainless Steel	1253-1652-6
Yellow Powder Coat	1253-1661-7

MCS-9 & SPS-9 SPLIT SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications, External Assy Applic)	
<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-1651-9
Natural Finish - Stainless Steel	1253-1652-7
Yellow Powder Coat	1253-1661-8

DEFLECTOR KIT ORDERING INFORMATION	
MCS-17 SPLIT DEFLECTOR/STUD FLANGE KIT (Cone Roof, Open Top Above Top Flange, External Assembly Applications)	
<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-2654-1
Natural Finish - Stainless Steel	1253-2654-3
Yellow Powder Coat	1253-2654-2

MCS-17 SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications)	
<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-2654-4
Natural Finish - Stainless Steel	1253-2654-6
Yellow Powder Coat	1253-2654-5

MCS-17 SPLIT SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications, External Assy Applications)	
<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-2654-7
Natural Finish - Stainless Steel	1253-2654-9
Yellow Powder Coat	1253-2654-8

# DEFLECTOR KITS & FUTURE ASSEMBLIES

## MCS AND SPS PRODUCTS

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### DEFLECTOR KIT ORDERING INFORMATION

#### MCS-33 SPLIT DEFLECTOR/STUD FLANGE KIT (Cone Roof, Open Top Above Top Flange, External Assembly Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-3654-1
Natural Finish - Stainless Steel	1253-3654-2
Yellow Powder Coat	1253-3654-3

#### MCS-33 SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-3654-4
Natural Finish - Stainless Steel	1253-3654-6
Yellow Powder Coat	1253-3654-5

#### MCS-33 SPLIT SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications, External Assy Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-3654-7
Natural Finish - Stainless Steel	1253-3654-9
Yellow Powder Coat	1253-3654-8

### DEFLECTOR KIT ORDERING INFORMATION

#### MCS-55 SPLIT DEFLECTOR/STUD FLANGE KIT (Cone Roof, Open Top Above Top Flange, External Assembly Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-4654-1
Natural Finish - Stainless Steel	1253-4654-2
Yellow Powder Coat	1253-4654-3

#### MCS-55 SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-4654-4
Natural Finish - Stainless Steel	1253-4654-6
Yellow Powder Coat	1253-4654-5

#### MCS-55 SPLIT SHALLOW DEFLECTOR/STUD FLANGE KIT (Internal Floating Roof, Low Profile Applications, External Assy Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-4654-7
Natural Finish - Stainless Steel	1253-4654-9
Yellow Powder Coat	1253-4654-8



# DEFLECTOR KITS & FUTURE ASSEMBLIES

## MCS AND SPS PRODUCTS

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FUTURE ASSEMBLIES ORDERING INFORMATION	
MCS-9 & SPS-9 FUTURE ASSEMBLY - SPLIT DEFLECTOR (Cone Roof, Open Top Above Top Flange, External Assembly Applications)	
Finish	Part Number
Red Powder Coat	1253-1693-3
Natural Finish - Stainless Steel	1253-1693-5
Yellow Powder Coat	1253-1693-4
MCS-9 & SPS-9 FUTURE ASSEMBLY - SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications)	
Finish	Part Number
Red Powder Coat	1253-1692-3
Natural Finish - Stainless Steel	1253-1692-5
Yellow Powder Coat	1253-1692-4
MCS-9 & SPS-9 FUTURE ASSEMBLY - SPLIT/SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications, External Assy Applic)	
Finish	Part Number
Red Powder Coat	1253-1693-6
Natural Finish - Stainless Steel	1253-1693-7
Yellow Powder Coat	1253-1693-8
FUTURE ASSEMBLIES ORDERING INFORMATION	
MCS-17 FUTURE ASSEMBLY - SPLIT DEFLECTOR (Cone Roof, Open Top Above Top Flange, External Assembly Applications)	
Finish	Part Number
Red Powder Coat	1253-2693-3
Natural Finish - Stainless Steel	1253-2693-4
Yellow Powder Coat	1253-2693-5
MCS-17 FUTURE ASSEMBLY - SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications)	
Finish	Part Number
Red Powder Coat	1253-2692-3
Natural Finish - Stainless Steel	1253-2692-5
Yellow Powder Coat	1253-2692-4
MCS-17 FUTURE ASSEMBLY - SPLIT/SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications, External Assy Applications)	
Finish	Part Number
Red Powder Coat	1253-2693-6
Natural Finish - Stainless Steel	1253-2693-8
Yellow Powder Coat	1253-2693-7

# DEFLECTOR KITS & FUTURE ASSEMBLIES

## MCS AND SPS PRODUCTS

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### FUTURE ASSEMBLIES ORDERING INFORMATION

#### MCS-33 FUTURE ASSEMBLY - SPLIT DEFLECTOR (Cone Roof, Open Top Above Top Flange, External Assembly Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-3693-3
Natural Finish - Stainless Steel	1253-3693-5
Yellow Powder Coat	1253-3693-4

#### MCS-33 FUTURE ASSEMBLY - SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-3692-3
Natural Finish - Stainless Steel	1253-3692-5
Yellow Powder Coat	1253-3692-4

#### MCS-33 FUTURE ASSEMBLY - SPLIT/SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications, External Assy Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-3693-6
Natural Finish - Stainless Steel	1253-3693-8
Yellow Powder Coat	1253-3693-7

### FUTURE ASSEMBLIES ORDERING INFORMATION

#### MCS-55 FUTURE ASSEMBLY - SPLIT DEFLECTOR (Cone Roof, Open Top Above Top Flange, External Assembly Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-4693-3
Natural Finish - Stainless Steel	1253-4693-5
Yellow Powder Coat	1253-4693-4

#### MCS-55 FUTURE ASSEMBLY - SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-4692-3
Natural Finish - Stainless Steel	1253-4692-5
Yellow Powder Coat	1253-4692-4

#### MCS-55 FUTURE ASSEMBLY - SPLIT/SHALLOW DEFLECTOR (Internal Floating Roof, Low Profile Applications, External Assy Applications)

<u>Finish</u>	<u>Part Number</u>
Red Powder Coat	1253-4693-6
Natural Finish - Stainless Steel	1253-4693-8
Yellow Powder Coat	1253-4693-7