



INDUSTRY STANDARDS

Maintains NEMA Type 12 and IEC IP65 enclosure rating when properly installed per nVent HOFFMAN instructions.

APPLICATION

The SYSPEND 180-MAX is a modular enclosure suspension system designed for modern industrial aesthetics, excellent ergonomics and multiple component combinations. The easy-to-install Xdb edcZcihXVc/VXZXdc \j gZY'c/VKVgZind[1 Vrhid\Zii]Z'g\]i combination for any application. At 3.3 ft. (1 m) the system supports j eid'& %2VXfc-&#~`\f#GZXdb b ZcYZY'[dgj hZ1 4] *88' %8%4*88) %%4* , VcY°8DC8: El °=B >ZcXadhjo,Zh#

FEATURES

- HnhiZb 'hjeedgihije ïd'& %20/#4-' `\ł VcY'Vaad h'de Zgylidghïd' ZVh/anb dkZ Xdcigdah 'c VcY 'dj i 'd['edh/i 'dc
- Bj al/eaZ b dYj al/gXdb edcZcih VkV/aWaZ id eggk/YZ Zg) dcdb /X! fatigue-free operation
- 8aZVc°acZhVcYhbddi]ig/chł/dchVIzil ZZcij VIzhVcYhnhiZb° XdbedcZcihegdkYZVijdXirkZVZhi]ZirXhVcYVandl [[dgZVhZ'd[" cleaning
- íj Wc\čeqdk/YZhhigi Xij d/a/ciZ\g/inVcYVXihVhZfj /eb Zci1 /g/c\° conduit
- HZXj gZ ViiVX] b Zci1 1] "h/h[da/ edh11kZ XdccZXi/dc VIII ZZc" ij WZhŇVcY'XdbedcZcihŇVadc\1 1] gZXZhhZY'bdjcić \VgZVh'ć Xdb edcZcihOcd WYA dcVahV[Zin Ygaatc\ gZfj gZY

- Secure connections and easy adjustment of system alignment
- jhrc\`ijWzhzlhXgzIhXdViZVi1 1j`ijgZVYhZVázg HmhiZb YZh^cVaadIh[dgjjhZg[g/ZcYangzVVjjhib ZciVcY'aZkZac*
- I 1] dji Y1hVhhZb Vakc\^{*}i]Z Xdb eaziZ hrhiZb dgVYY1 dcVa 1h
- Bj a æz îj W zc \i] hd[[zghnhizb Yzh\ckzdwi aln = ZVkn'Yj in VZVgc \h'c Vab dkWaz _d cih[dgXdckZc/Zci!hb ddi] * deZd/i dc VcY Zc] VcXZY Yj dV Wantid 1 1 hi VcY higzhhZhd["repeated use
- KVgWaZidgfjZWjhibZciVkV?aWaZ[dgVaagdiVi?c\XdbedcZcih0 \ZčZd/aWj hib Zci Vi WZVgc\1 4] adx čc\j VcYaZWj hib Zci dc enclosure couplings
- EVcZaXdjeac\hVatdl [dgXdccZXi/dcVii]ZgZVgd[Y/hea/nhdg b dc1dgh1 1] 1K: H61b djči?c\
- HnhiZb XVc VZ Xdb VcZY1 1] 1] ZHNHE: C9" & B 6IVj h/c\1] Z° $GZY_j X_i \partial c^* a M = i d^V X_j \partial Z_k Z V_j \Lambda_j Z_{gad} V Y_{gM} i \partial N_j$

SPECIFICATIONS

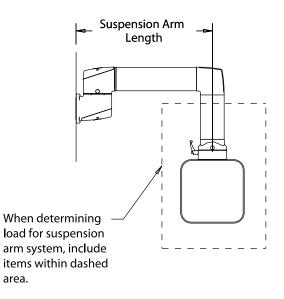
- Anodized aluminum tubes 8] d%Z*d[*G6A*, %/* *a\] i'\g/nY/Z'X/hi* aluminum components
- G6A°. %%+1] 1/2°Vajb /cjb %WW22VXXZhh%Weh
- **Oil-resistant neoprene gaskets**



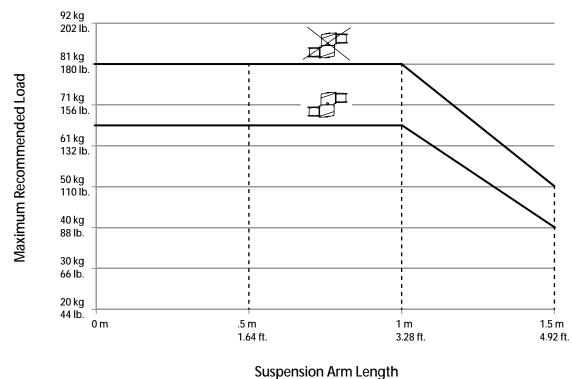
SYSTEM LOAD CAPACITY

I]ZHNHE: C9% %B6MadWY\g/e]*hï]ZjgZhjaid[adW7XVeVX1nïZhih#EatVhZXdciVXi°=d[[bVc[dgheZX^XVeatXVi*dc*c[dgbVi*dc#

Load Diagram



Load Diagram for Static Load Capacity



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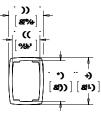
MOUNTING OPTIONS SYSPEND 180-MAX SUSPENSION SYSTEM

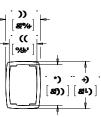


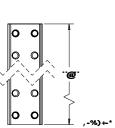


6ajb∧cjb ĭjWZh°egdk∧YZ°higjXijgV/å integrity and act as conduit for Zfj⁄eb Zcil ⁄g/c\#j WZh°ViiVX] id hmiZb %db edcZcihî ^] + hZihXgZl hůdc ZVX] ZcYů[ĩ] Zij VIZ# HZihXozl hVoz'egdk/YZY1 1] hnhiZb ° Xdjeac\hl°cdiï]ZijVIzh#HZihXozl h° Vand [dgZVhnVYj hib Zci VcY aZkZacì、d̃[1]ZîhmĥiZb #HZihXogZlh Vogľegolk ÝZÝ11] i] og VY hZVažgi egdk Ýč \ hZXj gł XdčcZXi tlch# 6kV/3W/2Z°c°+1hiVcYVg/°z2c\i]h° g/c*\[[gdb]]*%bb12E#)11d%*%% bb°Ľ*.#%*l#ljWZh°,*%bb°Ľ.#(* and longer include drilling template id Whhhi 1 4] Ygbatc\ VcYiVee*c\i]Z°]daZh1]Zcij VZ*hXjiid*aZc\i]# **BULLETIN: CS5**

		L		
Catalog Number	Color	mm/in.	Weight (lb.)	Weight (kg)
S1MT250	Anodized	250 9.84	1.75	.79
S1MT500	Anodized	500 19.68	3.50	1.59
S1MT750	Anodized	750 29.53	5.25	2.38
S1MT1000	Anodized	1000 39.37	7.00	3.18
S1MT1250	Anodized	1250 49.21	8.75	3.97
S1MT1500	Anodized	1500 59.05	10.50	4.76



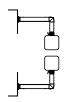


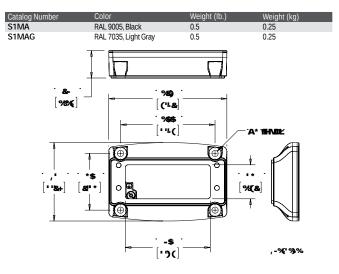


NARROW ADAPTER



I]Z°CVggdl°6YVeiZgXVc°VZ° ViiVX]ZŸidï]Z; a/c\Z°8djeac\° VcY; a/c\Z: a/dl 8dj eac\id XozViZVcVoppli ZojXdccZXi/dc*id*Vc* ZcXadhjoz#HeZX^XVan^YZh^cZY*[dg* j hZ1 1] 1] Z'HNHE: C9°6AJ B ×CJ B =B × cĀvadhjogZh"i] Vi"] VkZ°++b b of usable space. Does not inhibit coupling functionality. Die-cast Vajb ^cj b *Xdchigj Xi ~dc#8]d ^XZ °d[" G6A". % * WaVX *dg G6A", % (* *a\]i \g/n° c/h] #>cXaj YZh°chi VaaVi ?dc° instructions, gaskets, and mounting]Vg/IVgZ#





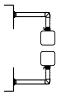


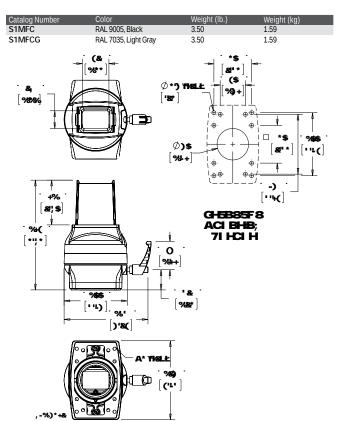
FLANGE COUPLING



I]Z°Vc\Z°Xdjeatc\°ViiVX]Zh°V° tube to the enclosure, enabling 300-degree enclosure rotation and XVc WZ adX ZY cid V kZc edh1 dc# I]Z°Vc\Z°Xdjeatc\"]Vh°V°hV[Zin° stop and maintenance-free bearings. Die-cast aluminum construction. 8] d/XZ°d[°G6A°. %% WJ/X° dojG6A° ,%(*°aN]iNgVn° c/h]#∞XajYZh° installation instructions, gaskets, ij WZhZihXgZlhVcY°ZcXadhjgZ° bĺdjci∕c\ĵVg∕lVgZ#

BULLETIN: CS5



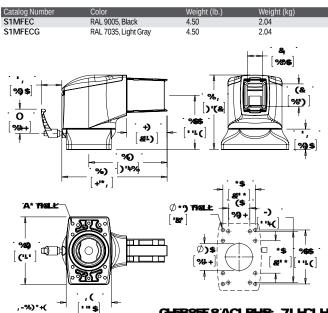


FLANGE ELBOW COUPLING



I]Z°Vc\Z°Za/Mdl°Xdjeatc\° attaches directly to the enclosure [dgVeeaXVi?dch1]Zg?VkZg?XVa ij VI2°h°cdi gZfj gZY#j?ZcW12Lh1]Z° enclosure to rotate 300 degrees and XVc VIZ adX ZY*cid V\ 4Zc edh4 dc# I]Z* Vc\ZZaMdI Xdj eac\]Vh* a safety stop and maintenancefree bearings. Die-cast aluminum Xdchigi Xi /dc#8] d/XZ d[G6A. %/ Val/X`dgʻG6A°,%(*°a\]i\g/n°c/n]# ∞XajYZh°chiVaaVi⁄dc°chigiXi⁄dc/h° \VhŽihlîj VIZ hZihXgZI hV⊂Y° ZcXadhjgZbdjci∕c\]Vg∕IVg⁄I



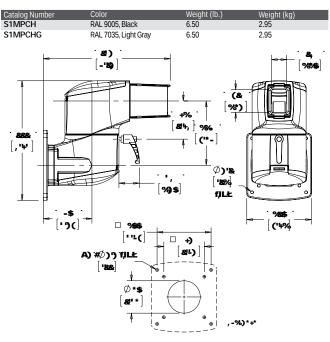


NVENT HOFFMAN HORIZONTAL PANEL COUPLING



The horizontal panel coupling mounts a horizontal tube to the back of an enclosure or screen using Video Electronics Standards Association (VESA) mounting. The coupling has mounting holes YgaZY [dghiVcYVg/K: H6°, * VcY' &%% Vc\ZhoZh#3 ZcWMZhi]Z' enclosure to rotate 300 degrees and XVcVZ'atX ZY'čid'V\ KZ cedht Adc# The horizontal panel coupling has a safety stop and maintenancefree bearings. Die-cast aluminum Xdchig Xi ktc#8] dXZ'd['G6A'. %% * VMX' dgG6A', %(* 'a\]i \gh' ch] # =cXg YZh'čchiVaM dc'chig Xi dchi Vh7 Zih'ij VZhZhXgZ hVcY' ZcXathj gZ'b dj ci c\]Vg/I VgZ# BULLETIN: CS5



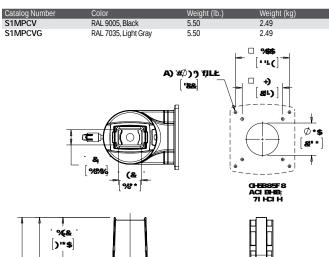


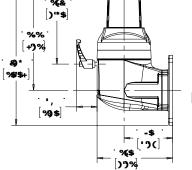
GH5B85F8 ACIBHB; 71 HCIH

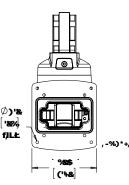
VERTICAL PANEL COUPLING



I]Z'kZġ XVáeVcZaXdj eac\'b dj cih' VkZġ XVái VZ'id'i]Z VVX 'd['Vc' enclosure or screen using Video Electronics Standards Association (VESA) mounting. The coupling has mounting holes drilled for standard K: H6', * 'VcY'82%6 Vc\Z'h'cZh#i' enables the enclosure to rotate 300 degrees and can be locked into a \'KZc'edrh'tdc#]]Z'kZġ XVáeVcZå coupling has a safety stop and maintenance-free bearings. Die-cast Và b 'cj b 'Xdchig Xi 'dc#8] d'XZ'd[' G6A', %% 'ViXX' dġG6A', %(* 'a\]i' \gh' c'h] #zXà YZh'chi VaiV tcc' instructions, gaskets, tube hZihXqI h'VcY'ZcXathj g' b dj ci 'c\'`]Vg/I Vg/#









INTERMEDIATE JOINT

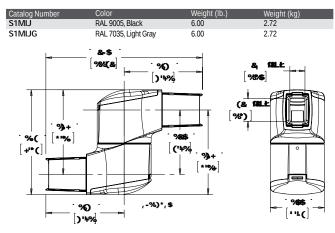


J hZ Vc°ciZgb ZYVIZ d'ci id d'c iI d] dgcdciVäj VZhid\Zi] Zg[dg' a longer length. The arm can be gdiViZY'(%%YZ\gZh#xcXj YZhhV[Zin' stop and maintenance-free bearings. Die-cast aluminum construction. 8] d'XZ'd['G6A." %% VMX 'dgG6A' , %(* 'a\] i\g/n' c'h] #xcXj YZh' installation instructions, gaskets, VcY'ij VZ'hZihXgZI h#

Use of the intermediate joint reduces the system load rating capacity to 146 lb. (66 kg) at 3.3 ft. (1 m).

BULLETIN: CS5



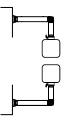


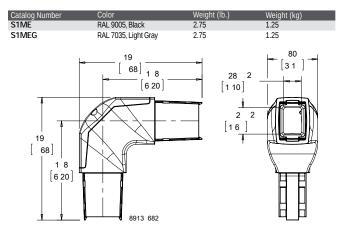
ELBOW



I]ZZAMI čegdkYZhV. %YZ\gZZ bend in the suspension system. Die-XVhi Vaj b čj b Xdchigj Xi dc#8]d%Z² d[G6A. %% VaXX čdG6A, %(* ča\]ič \g/h° ch]#cx2j YZh°chi VaVi dc° instructions, gaskets, and tube hZihXqZI h#

BULLETIN: CS5



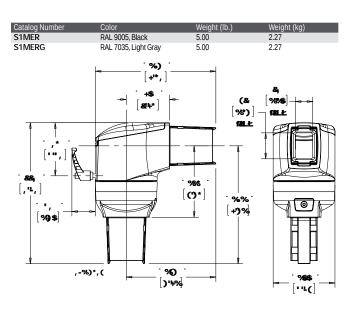


ROTATABLE ELBOW



I]Z'gdi Vi WAZ Za/dl 'egdk/YZhV' .%YZ\gZ VZcY'ci]Z'hj heZch/dc' hrhiZb VcYVadl hi]Z'kZg %Vaj VZ' id'gdi ViZ'(%%YZ\gZh#'scXg YZh' safety stop and maintenancefree bearings. Die-cast aluminum Xdchig Xi /dc#8] d/XZ'd['G6A. %% '' VA/X' dgG6A, %(*'a\]i\g/h' c'h]# scXg YZh'chiVaM /dc'chig Xi /dch' \Vh Zih!VcY'ij VZ'hZihXgZl h#





11 nVent HOFFMAN **REDUCTION ELBOW**

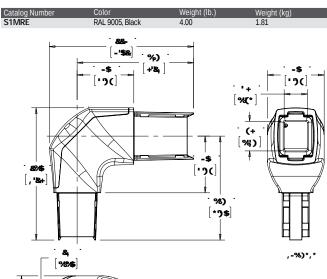


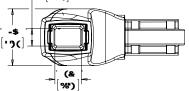
I]Z`gZYJXi&tcZa/dliegdk/YZhV .%YZ\gZZVIZcY*c`i]Z`hjheZch&tc hnhiZbVIZilZZci]Z`dgodciVå tube and base connection of i] Z'HNHE: C9" - &'B 6MhmhiZb ° VcYi]ZkZg XVaXdb edcZcihd[" the SYSPEND 180-MAX system. Die-cast aluminum construction. 6kV/3JV12°C°G6A°. %% V14X c/h] °dcan#scXaj YZh°chi Va4Vi °dc° instructions, gaskets, and tube hZihXgZl h#

Use of the reduction elbow with the SYSPEND 281-MAX base and tube increases the system load rating to 281 lb. (127 kg) at 3.3 ft. (1 m).

BULLETIN: CS5





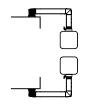


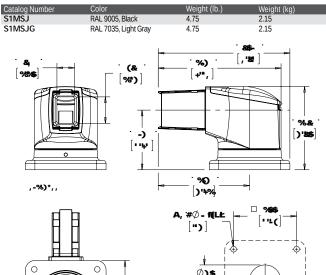
SET-UP JOINT

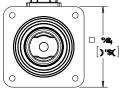


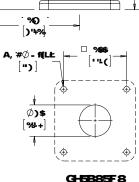
The set-up joint mounts the suspension system to a horizontal surface. The arm can be rotated 300 YZ\gZh#cXj YZhVhV[Zinhide VcY" maintenance-free bearings. Die-cast Vájb čej b Xdchigi Xi (dc#8] d/X2'd[" G6A. %% Va/X`dgG6A, %(*`a\]i \g/n`ch] #cXaj YZh*chi Va/Vi (dc* instructions, gaskets, and tube hZihXqZl h#H g(VXZ b dj ci c\] Vg/I VgZ cdi egdk/YZY#

BULLETIN: CS5









ACI BHB; 71 HCI H



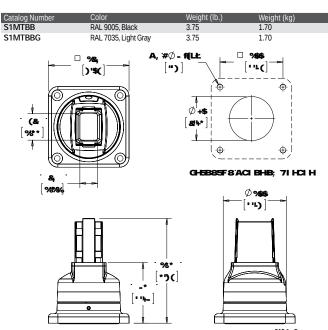
ROTARY BASE



I] Z'gdi Vi WAZ WhZ WhZ WJX Zi Vani h' the entire suspension system to rotate at the point of attachment on a horizontal surface. The arm can VZ'gdi Vi ZY'(%%Z'Q'Zh#czXj YZh' a safety stop and maintenancefree bearings. Die-cast aluminum Xdchig Xi 'dc#8] d'XZ'd['G6A'. %% ' VMX' 'dg'G6A', %(* 'a\] i \g/n' c'h] # zXj YZh'ch'VaN' dc'chig Xi 'dch'' \Vn Zih'VcY'j VZ'hZihXgZi h# Hj gl/XZ'b dj ci 'c\] Vg'I Vg'cdi' egdk/YZY#

BULLETIN: CS5



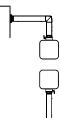


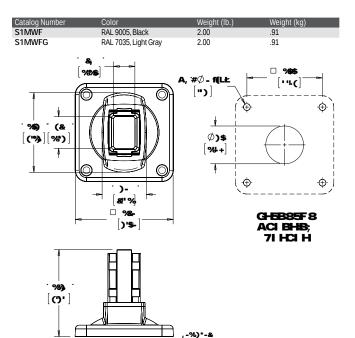
, -%)*-\$

WALL FLANGE



I]Z1 Vaá Vc\Z'Vand h"[dg' nzTY" positioning on a horizontal or kZg'XVa'hj g[VXZ1]Zc"gdiVi kbc" h" not needed. Die-cast aluminum Xdchig Xi kbc#8]d'XZ"d["G6A". %%" VM/X" dg'G6A", %("*a\]i \gh" c'h] # >cXaj YZh" c'hi VaNi kbc" c'hig Xi kbch" \Vh Zih!VcYïj VZ"hZihXgZI h# Hj g[VXZ"b dj ci kc\]Vg1 Vg2" cdi" egdk/YZY#





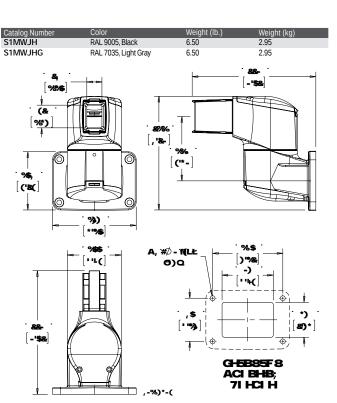
NVENT HOFFMAN HORIZONTAL WALL JOINT



I]Z]dgedciVal Vaidkib djcih i]ZhjheZchtlchnhiZbidVkZgXVal hjgVXZ!Vand to\i]ZijVZidZnhZcY' horizontally. The arm can be rotated (%%YZ\gZh#cXg)YZhVthV[Zinhide' and maintenance-free bearings. Die-XVhiVajbtjbXdchig Xitdc#8]dXZ' d['G6A'. %% ValX 'dg/G6A', %* 'a\]i \g/n`ch]#cXajYZh'chiVaAi tcc' instructions, gaskets, and tube hZihXgZI h#HjgVXZbdjcit\`]Vg/IVgZ'cdi'egdkYZY#

BULLETIN: CS5



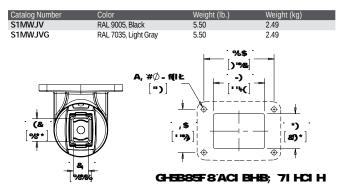


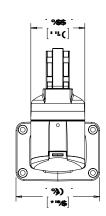
VERTICAL WALL JOINT

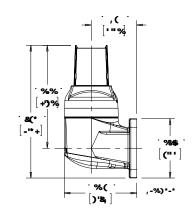


I]ZkZgi XVal Vaj d'ci b dj cihi]Z hj heZch dc hnhiZb id VkZgi XVa hj g[VX2!Vadl &\i]Zij VZid ZniZcY kZgi XVan#]ZVgb XVcVZ gdi VZY (%%YZ\gZh#cXaj YZhVhV[Zinhide and maintenance-free bearings. Die XVhi Vaj b & cj b Xdchig Xi dc#8]d'X2 d['G6A'. %% WAX 'ddjG6A', %(* 'a\]i 'dhi ch]#cXaj YZh'ChVaali 'dc' instructions, gaskets, and tube hZihXg2I h#Hj g[VXZ'b dj ci 'c\']Vg/I Vg2'cdi 'egdk/YZY# BULLETIN: CS5











ROTATION LIMITER



GdiVi?dc°ab 1/Zgh°VgZ°V°gZigd i°dei?dc° to limit the rotation of couplings and _d/cih1]1X]°cdgbVaan°gdiViZ°(∛%/ degrees. Each block limits rotation 30 degrees. Kit includes six rotation limiting blocks and installation instructions.

BULLETIN: CS5

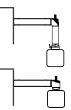


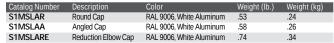
SIGNAL LIGHT ADAPTERS



The signal light adapters are WV3MX² ~ Z¹Zgcgi cYIZAMI VcY gZYj Xi cz ZaMI XckZgkZgłch VcY egik YZ Vb ZVch [dgWiVX] c\ h\cva lights. Signal lights are not included. 6 b bý b XVehVg? ch] ZY'č G6A . %41] 4Z Váb čj b čell YZgeVči# zXáj YZhXVeh'\Vh Zi!ViiVX] b Zci*] VgYI VgZ! VcY edhi#

BULLETIN: CS5







REPLACEMENT CAPS



GZeal/XZb Zci 8Veh[dgjHNHE: C9° & %B 6MXdj eac\hVgZVkVa/MzZ° &Z1]Zgglj cY!Za/dl dggZYj Xi4dc Za/dl kZghdch#]]Z]Vg/IVgZ″h° included. The caps are aluminum ch] ZY°C°G6A°. ‰+1] 4Z° Vajb⁷cjb°edlYZg/eV/ci# BULLETIN: CS5

Catalog Number	Description	Color	Weight (lb.)	Weight (kg)
S1MRCRK	Round Cap	RAL 9006 White Aluminum	.40	.18
S1MRCAK	Angled Cap	RAL 9006 White Aluminum	.40	.18
S1MRCREK	Reduction Elbow Cap	RAL 9006 White Aluminum	.40	.18

REPLACEMENT HARDWARE KIT



I]Z°gZea/XZbZci"]Vg/IVgZ° ↑°cXajYZh°heVgZ°eVgih°cZXZhhVgn1 ↑] ^c the SYSPEND 180-MAX system.

- @1°xcXaj YZh/
- 1 lock actuator
- & aZkZgXa/be
- 1 coupling gasket * Vi hb Vaa\Vh Zih) B+VazC]ZWhXgZIh
-) B+adX 1 Vh]Zgh
- & B&%]ZW/zhhňZihXgzlh
- & Vi°a/g\Z^\Vh`Zi
- +°B& "]ŽWaZhhĥZihXozIh
- # bZiZghd["(bb Xdg)(\Vh Zi ۰

BULLETIN: CS5

Catalog Number	Weight (lb.)	Weight (kg)	
S1MRHK	.15	.07	

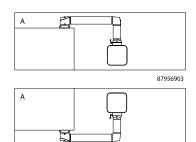
nVent.com/HOFFMAN

11 nVent HOFFMAN

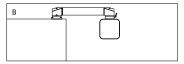
SYSPEND 180-MAX SUSPENSION SYSTEM CONFIGURATIONS

Note to Specifier:

- Select suspension system sizing using the Syspend 180-Max load capacity chart. 1. Ij VZXVIVal\cj b VZchVcZcdi cXa YZY cXdc \j d/ dciVMZh# 2. The catalog numbers for both RAL 9005 black and RAL 7035 light gray are given. Please select one catalog number per line, making
- sure to keep the color choice consistent throughout the system for a cohesive appearance. I]ZgZVgZbjai/eaZXdc \jg/i/dchedhhWgZ1 /jb Vcnd[i]Z'dei/dchh]dl c#8db edcZcihXVcVgZ'ckZgjZY#, dg/ajhig/i/dc°ejgedhZht° Xdc \jg/i/dc°6/h]dl h]dl Xdb edcZcihXVcVgZ'ckZgjZY# 3.



Α			
Description	Qty.	Catalog Number	
Set-up Joint	1	S1MSJ S1MSJG	
Elbow	1	S1ME S1MEG	
Flange Coupling	1	S1MFC S1MFCG	

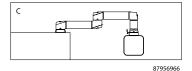


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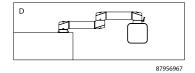
B	

Description	Qty.	Catalog Number
Set-up Joint	1	S1MSJ S1MSJG
Flange Elbow Coupling	1	S1MFEC S1MFECG



С			
Description	Qty.	Catalog Number	
Set-up Joint	1	S1MSJ S1MSJG	
Intermediate Joint	1	S1MIJ S1MIJG	
Elbow	1	S1ME S1MEG	
Flange Coupling	1	S1MFC S1MFCG	





D

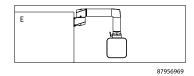
E

F

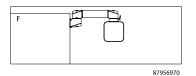
G

H

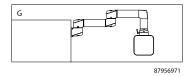
Description	Qty.	Catalog Number
Set-up Joint	1	S1MSJ S1MSJG
Intermediate Joint	1	S1MIJ S1MIJG
Flange Elbow Coupling	1	S1MFEC S1MFECG



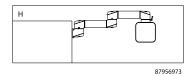
Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG



Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Flange Elbow Coupling	1	S1MFEC S1MFECG

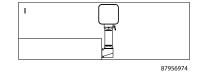


Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Intermediate Joint	1	S1MIJ S1MIJG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MFCG

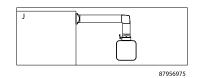


Description	Qty.	Catalog Number
Horizontal Wall Joint	1	S1MWJH S1MWJHG
Intermediate Joint	1	S1MIJ S1MIJG
Flange Elbow Coupling	1	S1MFEC S1MFECG

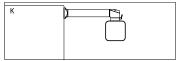




Description	Qty.	Catalog Number
Vertical Wall Joint	1	S1MVWJ S1MVWJG
Flange Coupling	1	S1MFC S1MFCG

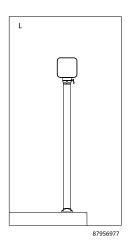


Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Elbow	1	S1ME S1MEG
Flange Coupling	1	S1MFC S1MECG



J

К		
Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Flange Elbow Coupling	1	S1MFEC S1MFECG



L		
Description	Qty.	Catalog Number
Wall Flange	1	S1MWF S1MWFG
Flange Coupling	1	S1MFC S1MFCG