# ロImatren! 

RESPONSIVENESS IN MOTIDN Member of the Danfoss Group


## Cavities

## AVAILABLE CAVITIES

| Cavity | Page |
| :---: | :---: |
| SDC08-2 | CA - 4 |
| SDC08-3 | CA - 5 |
| SDC08-4 | CA - 6 |
| SDC10-2 | CA - 7 |
| SDC10-3 | CA - 8 |
| SDC10-3S | CA - 9 |
| SDC10-4 | CA - 10 |
| SDC12-2 | CA - 11 |
| SDC12-3 | CA - 13 |
| SDC16-2 | CA - 14 |
| SDC16-3 | CA - 15 |
| SDC16-3S | CA - 16 |
| SDC20-2 | CA - 17 |
| SDC20-3 | CA - 18 |
| SDC20-4 | CA - 19 |
| CP04-2 | CA - 20 |
| CP04-3 | CA - 21 |
| CP08-3L | CA - 22 |
| CP12-2 | CA - 12 |
| CP12-3 | CA - 23 |
| CP12-3M | CA - 24 |
| CP12-3S | CA - 25 |
| CP12-4 | CA - 26 |
| CP16-4 (interchangeable with SDC16-4) | CA - 27 |
| CP20-3S | CA - 28 |
| NCS04/2 | CA - 29 |
| NCS04/3 | CA - 30 |
| NCS06/2 | CA - 31 |
| NCS06/3 | CA - 32 |
| NCS06/4 | CA - 33 |
| NCS12/2 | CA - 34 |
| NCS12/3 | CA - 35 |
| NCS12/4 | CA - 36 |
| NCS12/5 | CA - 37 |
| VME06 | CA - 38 |
| VME07 | CA - 39 |
| VME08 | CA - 40 |
| FC-144 | CA - 41 |
| FC-304 | CA - 42 |
| FC-336 | CA - 43 |
| ISO D03 | CA - 44 |
| ISO D05 | CA - 45 |

The following pages show details for Comatrol standard valve cavities. These cavities are designed around SAE standard O-ring thread ports. In many cases these cavities are interchangeable with cavities used by other manufacturers. The table below is intended as a guide for cartridge valve interchanges.

Cavity crossover table

| Comatrol | Thread | Delta <br> Power | Eaton- <br> Vickers | HydraForce | Parker | Sterling <br> [Parker] | Command Controls [Bucher] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CP04-2 | 7/16-20 |  |  | NO | NO |  | NO |
| CP04-3 |  |  |  | NO | NO |  | NO |
| CP07-3 | 5/8-18 | YES |  | YES | YES |  |  |
| SDC08-2 | 3/4-16 | YES | YES | YES | YES | YES | YES |
| SDC08-3 |  | YES | YES | YES | YES | YES | YES |
| SDC08-3S |  | YES | YES | YES | YES | YES | YES |
| CP08-3L |  |  |  |  |  |  |  |
| SDC08-4 |  | YES | YES | YES | YES | YES | YES |
| SDC10-2 | 7/8-14 | YES | YES | YES | YES | YES | YES |
| SDC10-3 |  | YES | YES | YES | YES | YES | YES |
| SDC10-3S |  |  | YES | YES | YES | YES | YES |
| SDC10-4 |  | YES | YES | YES | YES | YES | YES |
| SDC12-2 | $11 / 16-12$ | NO | NO | YES* | NO |  | NO |
| CP12-2 |  | NO | NO | YES* | NO |  | NO |
| CP12-3S |  | NO | NO | NO | NO |  | NO |
| CP12-3 |  | NO | NO | YES | NO |  | NO |
| CP12-4 |  | NO | NO | NO | NO |  | NO |
| SDC16-2 | $15 / 16-12$ |  | YES | YES | YES | YES | YES |
| SDC16-3S |  |  | YES | YES | YES | YES | YES |
| SDC16-3 |  |  | YES | YES | YES | YES | YES |
|  <br> CP16-4 <br> (Interchangeable) |  |  | YES | YES | YES | YES | YES |
| SDC20-2 | 15/8-12 |  | YES |  | YES |  |  |
| CP20-3S |  |  |  | NO |  |  |  |
| SDC20-3 |  |  | YES |  |  |  |  |
| SDC20-4 |  |  | YES |  |  |  |  |

*Cavities are not $100 \%$ compatible, but all Comatrol cartridges will work in HF cavity.

Please note that most manufacturers have many non-standard cavities and that details are subject to change. Compare cavity details before interchanging cartridges.

Dimensions
mm [in]

TOLERANCES UNLESS OTHERWISE SPECIFIED

Diameter and Lengths: if $<18 \mathrm{~mm} \pm 0.1$ [0.004] Angles $\pm 2^{\circ}$
吅

Detail X
en


$$
1
$$



## Comatr"nI <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group

TOLERANCES UNLESS OTHERWISE SPECIFIED

Diameter and Lengths: if $<18 \mathrm{~mm} \pm 0.1$ [0.004] Angles $\pm 2^{\circ}$


Detail X


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-08-3-FT | 11027182 |
| Roughing tool | SDC-08-3-RT | 11027183 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP08-3-4S | Aluminum Housing | SAE \#4 | HS -71 |
| CP08-3-6S | Aluminum Housing | SAE \#6 | HS -71 |
| CP08-3-S4S | Steel Housing | SAE \#4 | HS -71 |
| CP08-3-S6S | Steel Housing | SAE \#6 | HS -71 |
| SDC08-3-HI-2B | Aluminum Housing, Two \#1 Ports | $1 / 4$ BSP | HS -69 |
| SDC08-3-SE-2B | Aluminum Housing | $1 / 4$ BSP | HS -70 |
| SDC08-3-SE-3B | Aluminum Housing | $3 / 8$ BSP | HS -70 |

Dimensions
mm［in］


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC－08－4－FT | 11027184 |
| Roughing tool | SDC－08－4－RT | 11027185 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP08－4－4S | Aluminum Housing | SAE \＃4 | HS -72 |
| CP08－4－6S | Aluminum Housing | SAE \＃6 | HS -72 |
| SDC08－4－L－2B | Aluminum Housing | $1 / 4$ BSP | HS -73 |

## Comatr"nI <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group

$$
\begin{aligned}
& \text { Diameter and Lengths: } \\
& \text { if }<18 \mathrm{~mm} \pm 0.1[0.004] \\
& \text { Angles } \pm 2^{\circ}
\end{aligned}
$$




Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-10-2-FT | 11027186 |
| Roughing tool | SDC-10-2-RT | 11027187 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP10-2-10S-2CR | Aluminum Housing | SAE \#10 | - |
| CP10-2-6S | Aluminum Housing | SAE \#6 | HS -77 |
| CP10-2-8S | Aluminum Housing | SAE \#8 | HS - 77 |
| CP10-2-8S-2PL | Parallel housing | SAE \#8 | - |
| CP10-2-S6S | Steel Housing | SAE \#6 | HS -77 |
| CP10-2-S8S | Steel Housing | SAE \#8 | HS -77 |
| SDC10-2-3B | Aluminum Housing | $3 / 8$ BSP | HS -74 |
| SDC10-2-4B | Aluminum Housing | $1 / 2$ BSP | HS -75 |
| SDC10-2-S3B | Steel Housing | $3 / 8$ BSP | HS -74 |
| SDC10-2-S4B | Steel Housing | $1 / 2$ BSP | HS -75 |
| SDC10-2-LG1-4B | Aluminum Housing, Two \#2 Ports | $1 / 2$ BSP | HS -78 |
| SDC10-2-LG2-4B | Aluminum Housing, Two \#1 Ports | $1 / 2$ BSP | HS -79 |

## Comatrol <br> RESPONSIVENESS IN MOTIDN <br> Cavities Catalog <br> SDC10-3 <br> Member of the Danfoss Group

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-10-3-FT | 11027188 |
| Roughing tool | SDC-10-3-RT | 11027119 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP10-3-6S | Aluminum Housing | SAE \#6 | HS - 80 |
| CP10-3-8S | Aluminum Housing | SAE \#8 | HS -80 |
| CP10-3-S6S | Steel Housing | SAE \#6 | HS -80 |
| CP10-3-S8S | Steel Housing | SAE \#8 | HS -80 |
| SDC10-3-SI-3B | Aluminum Housing, Two \#1 Ports | $3 / 8$ BSP | HS -82 |
| SDC10-3-SI-4B | Aluminum Housing, Two \#1 Ports | $1 / 2$ BSP | HS -83 |
| SDC10-3-SE-3B | Aluminum Housing | $3 / 8$ BSP | HS -85 |
| SDC10-3-SE-4B | Aluminum Housing | $1 / 2$ BSP | HS -84 |

## Comatr"nI <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group <br> Cavities Catalog <br> SDC10-3S

Dimensions
mm [in]

Particular X TOLERANCES UNLESS
OTHERWISE SPECIFIED
Diameter and Lenghts: if $<18 \mathrm{~mm} \pm 0.1$ [0.004] Angles $\pm 2^{\circ}$


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-10-3S-FT | 11027120 |
| Roughing tool | SDC-10-3S-RT | 11027121 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| SDC10-3S-SE-3B | Aluminum Housing | $3 / 8$ BSP | HS -86 |
| SDC10-3S-SE-4B | Aluminum Housing | $1 / 2$ BSP | HS -86 |
| SDC10-3S-10S/6S | Aluminum Housing, Pilot at Port \#3 | SAE \#10 | HS -87 |
| SDC10-3S-8S/6S | Aluminum Housing, Pilot at Port \#3 | SAE \#8 | HS -87 |
| SDC10-3S-6S/6S | Aluminum housing, pilot at Port \#3 | SAE \#6 | HS -87 |
| SDC10-3S-S8S/6S | Ductile Housing, Pilot at Port \#3 | SAE \#8 | HS -87 |
| SDC10-3S-S4B/2B | Ductile Housing, Pilot at Port \#3 | $1 / 2$ BSP | HS -87 |

## Comatrol <br> RESPONSIVENESS IN MOTION <br> Cavities Catalog <br> SDC10-4 <br> Member of the Danfoss Group

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-10-4-FT | 11027192 |
| Roughing tool | SDC-10-4-RT | 11027193 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP10-4-6S | Aluminum Housing | SAE \#6 | HS -90 |
| CP10-4-6S-X1 | Aluminum Housing, No Port \#1 | SAE \#6 | HS -90 |
| CP10-4-8S | Aluminum Housing | SAE \#8 | HS -90 |
| CP10-4-8S-X1 | Aluminum Housing, No Port \#1 | SAE \#8 | HS -90 |
| CP10-4-S6S | Steel Housing | SAE \#6 | HS -90 |
| CP10-4-S8S | Steel Housing | SAE \#8 | HS -90 |
| SDC10-4-HD-3B | Aluminum Housing, No Port \#1 | $3 / 8$ BSP | HS -91 |
| SDC10-4-L-3B | Aluminum Housing | $3 / 8$ BSP | HS -92 |
| SDC10-4-L-4B | Aluminum Housing | $1 / 2$ BSP | HS -93 |

## Comatr"n <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group <br> Cavities Catalog SDC12-2



SCaution
SC12-2 and CP 12-2 cavities are not interchangeabe
Differences in sealing area depth may lead to leakage it the wrong valve is used with this cavity. Use only the
specified cavity for each valve.

Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-12-2-FT | 11027194 |
| Roughing tool | SDC-12-2-RT | 11027195 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| SDC12-2-DG-4B | Aluminum Housing | $1 / 2$ BSP | HS -102 |
| SDC12-2-DG-6B | Aluminum Housing | $3 / 4$ BSP | HS -98 |
| SDC12-2-LG1-6B | Aluminum Housing, Two \#2 Ports | $3 / 4$ BSP | HS -101 |
| SDC12-2-LG2-6B | Aluminum Housing, Two \#1 Ports | $3 / 4$ BSP | HS -100 |
| SDC12-2-10S | Aluminum housing | \#10 SAE | HS -99 |
| SDC12-2-12S | Aluminum housing | \#12 SAE | HS -99 |

##  <br> RESPONSIVENESS IN MDTIDN <br> CP12-2 <br> Member of the Danfoss Group

Dimensions
mm [in]

${ }^{2} 22.23[0.875] \quad$ D. -0.877$] \quad$ a

-Caution
SDC12-2 and CP12-2 cavities are not interchangeable.
Differences in sealing area depth may lead to leakage if the wrong valve is used with this cavity. Use only the specified cavity for each valve.

Form tools

|  | Model <br> code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | CP-12-2-FT | 310005 |
| Roughing tool | CP-12-2-RT | 310022 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP12-2-10S | Aluminum Housing | SAE \#10 | HS -97 |
| CP12-2-12S | Aluminum Housing | SAE \#12 | HS -97 |
| CP12-2-S10S | Steel Housing | SAE \#10 | HS -97 |
| CP12-2-S12S | Steel Housing | SAE \#12 | HS -97 |
| CP12-2-4B | Aluminum housing | $1 / 2$ BSP | HS -97 |
| CP12-2-6B | Aluminum housing | $3 / 4$ BSP | HS -97 |
| CP12-2-S4B | Steel housing | $1 / 2$ BSP | HS -96 |
| CP12-2-S6B | Steel housing | $3 / 4$ BSP | HS -97 |

## Comatr"nI <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group <br> Cavities Catalog SDC12-3



SDC12-3 and CP12-3 are not interchangeable. A cartridge designed
to fit the SDC12-3 cavity will fit in the CP12-3 cavity but there is risk of
to fit the SDC12-3 cavity will fit in the CP12-3 cavity but there is risk of
the top backup ring between port 1 and port 2 not being covered in
the cavity. If the cartridge has pressure at port 1 the risk of the back up
ring extruding exists.

Form tools

|  | Model code | Material number |
| :--- | :--- | :--- |
| Finishing tool | Consult Factory |  |
| Roughing tool | Consult Factory |  |


| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| SDC12-3-10S | Aluminum Housing | SAE \#10 | - |
| SDC12-3-12S | Aluminum Housing | SAE \#12 | - |
| SDC12-3-S10S | Ductile Housing | SAE \#10 | - |
| SDC12-3-S12S | Ductile Housing | SAE \#12 | - |
| SDC12-3-HE-3/4 | Aluminum Housing | $3 / 4$ BSP | - |
| SDC12-3-HE-1/2 | Aluminum Housing | $1 / 2$ BSP | - |

## Comatr＂ <br> RESPONSIVENESS IN MOTIDN <br> Cavities Catalog <br> SDC16－2

Dimensions

TOLERANCES UNLESS OTHERWISE SPECIFIED

Diameter and Lengths：
if $<18 \mathrm{~mm} \pm 0.1$［0．004］
Angles $\pm 2^{\circ}$
$\stackrel{1.6[63]}{\square}$


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC－16－2－FT | 11027196 |
| Roughing tool | SDC－16－2－RT | 11027197 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP16－2－12S | Aluminum Housing | SAE \＃12 | HS－108 |
| CP16－2－16S | Aluminum Housing | SAE \＃16 | HS－108 |
| CP16－2－S16S | Steel Housing | SAE \＃16 | HS－108 |
| SDC16－2－HG1－8B | Aluminum Housing，Two \＃2 Ports | 1 BSP | HS－109 |
| SDC16－2－HG2－8B | Aluminum Housing，Two \＃1 Ports | 1 BSP | HS－110 |
| SDC16－2－HG－6B | Aluminum Housing | $3 / 4$ BSP | - |
| SDC16－2－HG－8B | Aluminum Housing | 1 BSP | - |

## Comatr"nI <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-16-3-FT | 11027198 |
| Roughing tool | SDC-16-3-RT | 11027199 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP16-3-12S | Aluminum Housing | SAE \#12 | HS -114 |
| CP16-3-16S | Aluminum Housing | SAE \#16 | HS -114 |
| SDC16-3-HE-6B | Aluminum Housing | $3 / 4$ BSP | HS -112 |
| SDC16-3-HE-8B | Aluminum Housing | 1 BSP | HS -111 |
| SDC16-3-HI-8B | Aluminum Housing, Two \#1 Ports | 1 BSP | HS -113 |

## Comatr" <br> RESPRNSIVENESS IN MOTIDN <br> Cavities Catalog <br> SDC16-3S

TOLERANCES UNLESS OTHERWISE SPECIFIED

Diameter and Lengths:
if $<18 \mathrm{~mm} \pm 0.1$ [0.004]
Angles $\pm 2^{\circ}$
1.6 [63]/


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-16-3S-FT | 11027234 |
| Roughing tool | SDC-16-3S-RT | 11027235 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP16-3S-12S/4S | Aluminum Housing, Pilot at Port \#3 | SAE \#12, \#4 | HS - 115 |
| CP16-3S-16S/4S | Aluminum Housing, Pilot at Port \#3 | SAE \#16, \#4 | HS -115 |
| CP16-3S-6B/2B | Aluminum Housing, Pilot at Port \#3 | $3 / 4$ BSP, 1/4 BSP | HS -115 |
| CP16-3S-8B/2B | Aluminum Housing, Pilot at Port \#3 | 1 BSP, 1/4 BSP | HS -115 |

## Comatr"nI <br> RESPDNSIVENESS IN MOTIDN <br> Cavities Catalog SDC20-2

Member of the Danfoss Group

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-20-2-FT | 11027236 |
| Roughing tool | SDC-20-2-RT | 11027237 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP20-2-10B | Aluminum Housing | $11 / 4$ BSP | HS -121 |
| CP20-2-16S | Aluminum Housing | SAE \#16 | HS -121 |
| CP20-2-20S | Aluminum Housing | SAE \#20 | HS -121 |
| CP20-2-8B | Aluminum Housing | 1 BSP | HS -121 |



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-20-3-FT | 11027238 |
| Roughing tool | SDC-20-3-RT | 11027239 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP20-3-10B | Aluminum Housing | $11 / 4$ BSP | HS - 122 |
| CP20-3-10B/2B1 | Aluminum Housing, Pilot at Port \#3 | $11 / 4$ BSP, 1/4 BSP | HS - 122 |
| CP20-3-16S | Aluminum Housing | SAE \#16 | HS -122 |
| CP20-3-16S/4S1 | Aluminum Housing, Pilot at Port \#3 | SAE \#16, \#4 | HS -122 |
| CP20-3-20S | Aluminum Housing | SAE \#20 | HS -122 |
| CP20-3-20S/4S1 | Aluminum Housing, Pilot at Port \#3 | SAE \#20, \#4 | HS -122 |
| CP20-3-8B | Aluminum Housing | 1 BSP | HS -122 |
| CP20-3-8B/2B1 | Aluminum Housing, Pilot at Port \#3 | 1 BSP, 1/4 BSP | HS -122 |

## Comatr"II <br> RESPONSIVENESS IN MOTIDN <br> Member of the Danfoss Group



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | SDC-20-4-FT | 11027240 |
| Roughing tool | SDC-20-4-RT | 11027241 |

Housings

| Order Code | Description | Ports | Page |
| :---: | :---: | :---: | :---: |
| CP20-4-10B | Aluminum Housing | $11 / 4$ BSP | HS - 123 |
| CP20-4-10B-X1 | Aluminum Housing, No Port \#1 | $11 / 4$ BSP | HS - 123 |
| CP20-4-16S | Aluminum Housing | SAE \#16 | HS - 123 |
| CP20-4-16S/4S | Aluminum Housing, Pilot at Port \#1 | SAE \#16, \#4 | HS - 123 |
| CP20-4-16S-X1 | Aluminum Housing, No Port \#1 | SAE \#16 | HS - 123 |
| CP20-4-20S | Aluminum Housing | SAE \#20 | HS - 123 |
| CP20-4-20S/4S | Aluminum Housing, Pilot at Port \#1 | SAE \#20, \#4 | HS - 123 |
| CP20-4-20S-X1 | Aluminum Housing, No Port \#1 | SAE \#20 | HS - 123 |
| CP20-4-8B | Aluminum Housing | 1 BSP | HS - 123 |
| CP20-4-8B-X1 | Aluminum Housing, No Port \#1 | 1 BSP | HS - 123 |
| CP20-4-S16S | Steel Housing | SAE \#16 | HS - 123 |
| CP20-4-S16S-X1 | Steel Housing, No Port \#1 | SAE \#16 | HS - 123 |

## CロIMatren！Cavities Catalog <br> RESPONSIVENESS IN MOTIDN <br> CP04－2 <br> Member of the Danfoss Group

Dimensions
mm［in］


[^0]Form tools

|  | Model Code | Material Number |
| :--- | :--- | :--- |
| Finishing tool | CP－04－2－FT | 310027 |
| Roughing tool | CP－04－2－RT | 310038 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP04－2－2B | Aluminum Housing | $1 / 4$ BSP | HS－8 |
| CP04－2－4S | Aluminum Housing | SAE \＃4 | HS－8 |

## Comatr"n <br> RESPDNSIVENESS IN MOTIDN <br> Cavities Catalog CP04-3 <br> Member of the Danfoss Group

Dimensions
mm [in]


##  <br> RESPRNSIVENESS IN MOTIDN <br> CP08-3L <br> Member of the Danfoss Group



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | CP-08-3L-FT | 11027088 |
| Roughing tool | CP-08-3L-RT | 11027089 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP08-3L-2B | Aluminum Housing | $1 / 4$ BSP | HS -11 |
| CP08-3L-3B | Aluminum Housing | $3 / 8$ BSP | HS -11 |
| CP08-3L-4S | Aluminum Housing | SAE \#4 | HS -11 |
| CP08-3L-6S | Aluminum Housing | SAE \#6 | HS -11 |

## CロIM（2trrin Cavities Catalog <br> RESPDNSIVENESS IN MOTIDN CP12－3 <br> Member of the Danfoss Group

Dimensions
mm ［in］


OCaution
SDit
the top backup cavity will fit in the CP12－3 cavity but there is risk of the cavity．If the cartridge has pressure at port 1 the risk of the back up
ring extruding exists．


All dimensions in mm ［inches］

2 place dim．$\pm .25$（0．01）
place $\operatorname{dim} . \pm .13(0.005)$
angles $\pm .5$
$\sqrt{=} 1.6$［63］

Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | CP－12－3－FT | 310007 |
| Roughing tool | CP－12－3－RT | 310033 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP12－3－10S | Aluminum Housing | SAE \＃10 | HS -12 |
| CP12－3－12S | Aluminum Housing | SAE \＃12 | HS－12 |
| CP12－3－4B | Aluminum Housing | $1 / 2$ BSP | HS－12 |
| CP12－3－6B | Aluminum Housing | $3 / 4$ BSP | HS－12 |
| CP12－3－S10S | Steel Housing | SAE \＃10 | HS－12 |
| CP12－3－S12S | Steel Housing | SAE \＃12 | HS－12 |

## Comatr" <br> RESPONSIVENESS IN MDTIDN <br> Cavities Catalog CP12-3M

Member of the Danfoss Group

Dimensions
mm [in]


Form tools

|  | Model code |
| :--- | :--- |
| Finishing tool |  |
| Roughing tool |  |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP12-3M-10S | Aluminum Housing | SAE \#10 | HS - 13 |
| CP12-3M-12S | Aluminum Housing | SAE \#12 | HS -13 |
| CP12-3M-6B | Aluminum Housing | $3 / 4$ BSP | HS -13 |

## Comatr＂ <br> RESPDNSIVENESS IN MOTIDN <br> Cavities Catalog CP12－3S <br> Member of the Danfoss Group

Dimensions
mm ［in］


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :---: |
| Finishing tool | CP－12－3S－FT | 310006 |
| Roughing tool | CP－12－3S－RT | 310020 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP12－3S－10S／4S | Aluminum Housing，Pilot at Port \＃3 | SAE \＃10，\＃4 | HS－14 |
| CP12－3S－12S／4S | Aluminum Housing，Pilot at Port \＃3 | SAE \＃12，\＃4 | HS－14 |
| CP12－3S－4B／2B | Aluminum Housing，Pilot at Port \＃3 | $1 / 2$ BSP，1／4 BSP | HS－14 |
| CP12－3S－6B／2B | Aluminum Housing，Pilot at Port \＃3 | $3 / 4$ BSP，1／4 BSP | HS－14 |

## CロIMatrenI Cavities Catalog <br> RESPDNSIVENESS IN MDTIDN <br> CP12-4 <br> Member of the Danfoss Group

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | CP-12-4-FT | 11027091 |
| Roughing tool | CP-12-4-RT | 11027090 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP12-4-10S | Aluminum Housing | SAE \#10 | HS -15 |
| CP12-4-10S/4S | Aluminum Housing, Pilot at Port \#1 | SAE \#10, \#4 | HS - 15 |
| CP12-4-10S-X1 | Aluminum Housing, No Port \#1 | SAE \#10 | HS -15 |
| CP12-4-3B | Aluminum Housing | $3 / 8$ BSP | HS - 15 |
| CP12-4-3B-X1 | Aluminum Housing, No Port \#1 | $3 / 8$ BSP | HS -15 |
| CP12-4-4B | Aluminum Housing | $1 / 2$ BSP | HS -15 |
| CP12-4-4B-X1 | Aluminum Housing, No Port \#1 | $1 / 2$ BSP | HS -15 |
| CP12-4-8S | Aluminum Housing | SAE \#8 | HS -15 |
| CP12-4-8S/4S | Aluminum Housing, Pilot at Port \#1 | SAE \#10, \#4 | HS -15 |
| CP12-4-8S-X1 | Aluminum Housing, No Port \#1 | SAE \#8 | HS -15 |

## Comatr"nI <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group <br> CP16-4 (interchangeable with SDC16-4)



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | CP-16-4-FT | 11027092 |
| Roughing tool | CP-16-4-RT | 11027093 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP16-4-12S | Aluminum Housing | SAE \#12 | HS -19 |
| CP16-4-12S-X1 | Aluminum Housing, No Port \#1 | SAE \#12 | HS -18 |
| CP16-4-16S | Aluminum Housing | SAE \#16 | HS -19 |
| CP16-4-16S-X1 | Aluminum Housing, No Port \#1 | SAE \#16 | HS -18 |
| CP16-4-6B | Aluminum Housing | $3 / 4$ BSP | HS -19 |
| CP16-4-8B | Aluminum Housing | 1 BSP | HS -19 |

##  <br> RESPONSIVENESS IN mOTION CP20-3S



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | CP-20-3S-FT | 11013235 |
| Roughing tool | CP-20-3S-RT | 11013233 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| CP20-3S-10B/2B | Aluminum Housing, Pilot at Port \#3 | $11 / 4$ BSP, 1/4 <br> BSP | HS - 20 |
| CP20-3S-16S/4S | Aluminum Housing, Pilot at Port \#3 | SAE \#16, \#4 | HS - 20 |
| CP20-3S-20S/4S | Aluminum Housing, Pilot at Port \#3 | SAE \#20, \#4 | HS - 20 |
| CP20-3S-8B/2B | Aluminum Housing, Pilot at Port \#3 | 1 BSP, 1/4 BSP | HS - 20 |

## Comatr"II <br> RESPDNSIVENESS IN MOTIDN <br> Cavities Catalog <br> NCS04/2 <br> Member of the Danfoss Group

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS-04-2-FT | 11027154 |
| Roughing tool | NCS-04-2-RT | 11027155 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| NCS04/2-DG-1/4 | Aluminum Housing | $1 / 4$ BSP | HS - 24 |
| NCS04/2-DG-4S | Aluminum Housing | SAE \#4 | HS - 24 |
| NCS04/2-DG-6S | Aluminum Housing | SAE \#6 | HS - 24 |
| NCS04/2-LG1-1/4 | Aluminum Housing, Two \#2 Ports | $1 / 4$ BSP | HS - 25 |
| NCS04/2-LG1-4S | Aluminum Housing, Two \#2 Ports | SAE \#4 | HS - 25 |
| NCS04/2-LG1-6S | Aluminum Housing, Two \#2 Ports | SAE \#6 | HS - 25 |
| NCS04/2-LG2-1/4 | Aluminum Housing, Two \#1 Ports | $1 / 4$ BSP | HS - 23 |
| NCS04/2-LG2-4S | Aluminum Housing, Two \#1 Ports | SAE \#4 | HS - 23 |
| NCS04/2-LG2-6S | Aluminum Housing, Two \#1 Ports | SAE \#6 | HS - 23 |

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS-04-3-FT | 11027156 |
| Roughing tool | NCS-04-3-RT | 11027157 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| NCS04/3-DI-1/4 | Alum. Hsg., 2 Cavities w/\#3 Ports Conn. | $1 / 4$ BSP | HS - 27 |
| NCS04/3-DI-3/8 | Alum. Hsg., 2 Cavities w/\#3 Ports Conn. | $3 / 8$ BSP | HS - 27 |
| NCS04/3-DL-1/4 | Alum. Hsg., 2 Cavities w/\#1 Ports Conn. | $1 / 4$ BSP | HS - 28 |
| NCS04/3-DL-4S | Alum. Hsg., 2 Cavities w/\#1 Ports Conn. | SAE \#4 | HS - 28 |
| NCS04/3-DL-6S | Alum. Hsg., 2 Cavities w/\#1 Ports Conn. | SAE \#6 | HS - 28 |
| NCS04/3-SE-1/4 | Aluminum Housing | $1 / 4$ BSP | HS - 29 |
| NCS04/3-SE-4S | Aluminum Housing | SAE \#4 | HS - 29 |
| NCS04/3-SE-6S | Aluminum Housing | SAE \#6 | HS - 29 |
| NCS04/3-SI-1/4 | Aluminum Housing, Two \#1 Ports | $1 / 4$ BSP | HS - 26 |
| NCS04/3-SI-4S | Aluminum Housing, Two \#1 Ports | SAE \#4 | HS - 30 |
| NCS04/3-SI-6S | Aluminum Housing, Two \#1 Ports | SAE \#6 | HS - 30 |

## Comatr"n <br> RESPDNSIVENESS IN MOTIDN <br> Member of the Danfoss Group <br> Cavities Catalog <br> NCS06/2

Dimensions
mm [in]

Detail "X"



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS-06-2-FT | 11027158 |
| Roughing tool | NCS-06-2-RT | 11027159 |

Housings

| Order Code | Description | Ports | Page |
| :---: | :---: | :---: | :---: |
| NCS06/2-DG-1/2 | Aluminum Housing | 1/2 BSP | HS - 35 |
| NCS06/2-DG-3/8 | Aluminum Housing | 3/8 BSP | HS - 34 |
| NCS06/2-DG-6S | Aluminum Housing | SAE \#6 | HS - 34 |
| NCS06/2-DG-8S | Aluminum Housing | SAE \#8 | HS - 35 |
| NCS06/2-LG1-1/2 | Aluminum Housing, Two \#2 Ports | 1/2 BSP | HS - 37 |
| NCS06/2-LG1-3/8 | Aluminum Housing, Two \#2 Ports | 3/8 BSP | HS - 38 |
| NCS06/2-LG1-8S | Aluminum Housing, Two \#2 Ports | SAE \#8 | HS - 37 |
| NCS06/2-LG2-1/2 | Aluminum Housing, Two \#1 Ports | 1/2 BSP | HS - 33 |
| NCS06/2-LG2-3/8 | Aluminum Housing, Two \#1 Ports | 3/8 BSP | HS - 36 |
| NCS06/2-LG2-6S | Aluminum Housing, Two \#1 Ports | SAE \#6 | HS - 36 |
| NCS06/2-LG2-8S | Aluminum Housing, Two \#1 Ports | SAE \#8 | HS - 33 |

Dimensions
mm [in]


## Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS-06-3-FT | 11027160 |
| Roughing tool | NCS-06-3-RT | 11027161 |

Housings

| Order Code | Description | Ports | Page |
| :---: | :---: | :---: | :---: |
| NCS06/3-DL-1/2 | Alum. Hsg., 2 Cavities w/\#1 Ports Conn. | 1/2 BSP | HS - 39 |
| NCS06/3-DL-3/8 | Alum. Hsg., 2 Cavities w/\#1 Ports Conn. | 3/8 BSP | HS - 46 |
| NCS06/3-DL-6S | Alum. Hsg., 2 Cavities w/\#1 Ports Conn. | SAE \#6 | HS - 46 |
| NCS06/3-DL-8S | Alum. Hsg., 2 Cavities w/\#1 Ports Conn. | SAE \#8 | HS - 39 |
| NCS06/3-LD-6S | Aluminum Housing, No Port \#1 | SAE \#6 | HS - 40 |
| NCS06/3-LD-8S | Aluminum Housing, No Port \#1 | SAE \#8 | HS - 41 |
| NCS06/3-SE-1/2 | Aluminum Housing | 1/2 BSP | HS - 42 |
| NCS06/3-SE-3/8 | Aluminum Housing | 3/8 BSP | HS - 43 |
| NCS06/3-SE-6S | Aluminum Housing | SAE \#6 | HS - 43 |
| NCS06/3-SE-8S | Aluminum Housing | SAE \#8 | HS - 42 |
| NCS06/3-SI-1/2 | Aluminum Housing, Two \#1 Ports | 1/2 BSP | HS - 45 |
| NCS06/3-SI-3/8 | Aluminum Housing, Two \#1 Ports | 3/8 BSP | HS - 44 |
| NCS06/3-SI-6S | Aluminum Housing, Two \#1 Ports | SAE \#6 | HS - 44 |
| NCS06/3-SI-8S | Aluminum Housing, Two \#1 Ports | SAE \#8 | HS-45 |

##  <br> RESPONSIVENESS IN MOTION NCSO6/4 <br> Member of the Danfoss Group

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS-06-4-FT | 11027172 |
| Roughing tool | NCS-06-4-RT | 11027173 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| NCS06/4-L-1/2 | Aluminum Housing | $1 / 2$ BSP | HS - 49 |
| NCS06/4-L-3/8 | Aluminum Housing | $3 / 8$ BSP | HS -50 |
| NCS06/4-L-6S | Aluminum Housing | SAE \#6 | HS -50 |
| NCS06/4-L-8S | Aluminum Housing | SAE \#8 | HS -49 |
| NCS06/4-LD-1/2 | Aluminum Housing, No Port \#1 | $1 / 2$ BSP | HS -48 |
| NCS06/4-LD-3/8 | Aluminum Housing, No Port \#1 | $3 / 8$ BSP | HS -47 |

## Comatr" <br> RESPRNSIVENESS IN MOTIDN <br> Cavities Catalog <br> NCS12/2 <br> Member of the Danfoss Group

Dimensions
mm [in]



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS-12-2-FT | 11027174 |
| Roughing tool | NCS-12-2-RT | 11027175 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| NCS12/2-DG-1/2 | Aluminum Housing | $1 / 2$ BSP | HS - 51 |
| NCS12/2-DG-12S | Aluminum Housing | SAE \#12 | HS -51 |
| NCS12/2-DG-3/4 | Aluminum Housing | $3 / 4$ BSP | HS -51 |
| NCS12/2-DG-8S | Aluminum Housing | SAE \#8 | HS -51 |
| NCS12/2-LG1-12S | Aluminum Housing, Two \#2 Ports | SAE \#12 | HS - 53 |
| NCS12/2-LG1-8S | Aluminum Housing, Two \#2 Ports | SAE \#8 | HS -53 |
| NCS12/2-LG2-1/2 | Aluminum Housing, Two \#1 Ports | $1 / 2$ BSP | HS - 53 |
| NCS12/2-LG2-12S | Aluminum Housing, Two \#1 Ports | SAE \#12 | HS -53 |
| NCS12/2-LG2-3/4 | Aluminum Housing, Two \#1 Ports | $3 / 4$ BSP | HS -53 |
| NCS12/2-LG2-8S | Aluminum Housing, Two \#1 Ports | SAE \#8 | HS -53 |

##  <br> RESPONSIVENESS IN MOTION

Member of the Danfoss Group

Dimensions
mm［in］


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS12－3－FT | 11027176 |
| Roughing tool | NCS12－3－RT | 11027177 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| NCS12／3－DL－1／2 | Alum．Hsg．，2 Cavities w／\＃1 Ports Conn． | $1 / 2$ BSP | HS－ 55 |
| NCS12／3－DL－12S | Alum．Hsg．，2 Cavities w／\＃1 Ports Conn． | SAE \＃12 | HS－ 54 |
| NCS12／3－DL－3／4 | Alum．Hsg．，2 Cavities w／\＃1 Ports Conn． | $3 / 4$ BSP | HS－ 56 |
| NCS12／3－DL－8S | Alum．Hsg．，2 Cavities w／\＃1 Ports Conn． | SAE \＃8 | HS－ 54 |
| NCS12／3－SE－1 | Aluminum Housing | $1 / 2$ BSP | HS－ 57 |
| NCS12／3－SE－12S | Aluminum Housing | SAE \＃12 | HS－57 |
| NCS12／3－SE－3／4 | Aluminum Housing | $3 / 4$ BSP | HS－57 |
| NCS12／3－SE－8S | Aluminum Housing | SAE \＃8 | HS－57 |
| NCS12／3－SI－1 | Aluminum Housing，Two \＃1 Ports | $1 / 2$ BSP | HS－58 |
| NCS12／3－SI－12S | Aluminum Housing，Two \＃1 Ports | SAE \＃12 | HS－58 |
| NCS12／3－SI－3／4 | Aluminum Housing，Two \＃1 Ports | $3 / 4$ BSP | HS－58 |
| NCS12／3－SI－8S | Aluminum Housing，Two \＃1 Ports | SAE \＃8 | HS－58 |

##  <br> RESPONSIVENESS in motion <br> NCS12/4 <br> Member of the Danfoss Group

## Dimensions <br> mm [in]



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | NCS-12-4-FT | 11027178 |
| Roughing tool | NCS-12-4-RT | 11027179 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| NCS12/4-HD-1 | Aluminum Housing, No Port \#1 | $1 / 2$ BSP | HS - 61 |
| NCS12/4-L-1 | Aluminum Housing | $1 / 2$ BSP | HS -59 |
| NCS12/4-L-12S | Aluminum Housing | SAE \#12 | HS -60 |
| NCS12/4-L-3/4 | Aluminum Housing | $3 / 4$ BSP | HS -59 |

## Comatrol <br> RESPDNSIVENESS IN MDTIDN <br> Cavities Catalog NCS12/5

Member of the Danfoss Group
Dimensions

## Detail X



| Form tools |
| :--- |$|$ Model code | Material |
| :--- |
| number | \left\lvert\, | Finishing tool | NCS-12-5-FT |
| :--- | :--- | \(11143088 ~\left(\begin{array}{ll}11143089 <br>

\hline Roughing tool \& NCS-12-5-RT\end{array}\right.\right.\)
HousingS

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| NCS12/5-6B/3B | Aluminum Housing, Pilot at Port 5 | $1 / 2$ BSP, 3/8 BSP | HS - 62 |
| NCS12/5-10S/6S | Aluminum Housing, Pilot at Port 5 | SAE \#10, \#6 | HS -63 |
| NCS12/5-12S/6S | Aluminum Housing, Pilot at Port 5 | SAE \#12, \#6 | HS -63 |
| NCS12/5-S10S/6S | Ductile Housing, Pilot at Port \#5 | SAE \#10, \#6 | HS -63 |
| NCS12/5-S12S/6S | Ductile Housing, Pilot at Port \#5 | SAE \#12, \#6 | HS -63 |

## Comatr"nI <br> RESPONSIVENESS IN MOTION <br> Cavities Catalog <br> VME06 <br> Member of the Danfoss Group

Dimensions
mm [in]


Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| VME 06-DG-3B | Aluminum Housing | $3 / 8$ BSP | HS - 125 |
| VME 06-DG-6S | Aluminum Housing | SAE \#6 | HS -125 |
| VME 06-LG-3B | Aluminum Housing | $3 / 8$ BSP | HS -124 |
| VME 06-LG-6S | Aluminum Housing | SAE \#6 | HS -124 |

Dimensions
mm [in]


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | VME-07-FT | 11027244 |
| Roughing tool | VME-07-RT | 11027245 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| VME 07-DG-4B | Aluminum Housing | $1 / 2$ BSP | HS -126 |
| VME 07-DG-8S | Aluminum Housing | SAE \#8 | HS -126 |
| VME 07-LG-4B | Aluminum Housing | $1 / 2$ BSP | HS -127 |
| VME 07-LG-8S | Aluminum Housing | SAE \#8 | HS -127 |

## Comatr"n <br> RESPONSIVENESS IN MOTIDN <br> Cavities Catalog <br> VME08 <br> Member of the Danfoss Group

Dimensions
mm [in]

Diameter and Lengths: if $<18 \mathrm{~mm} \pm 0.1$ [0.004]
Angles $\pm 2^{\circ}$


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | VME-08-FT | 11027246 |
| Roughing tool | VME-09-RT | 11027247 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| VME 08-DG-12S | Aluminum Housing | SAE \#12 | HS -129 |
| VME 08-DG-6B | Aluminum Housing | $3 / 4$ BSP | HS -129 |
| VME 08-LG-12S | Aluminum Housing | SAE \#12 | HS -128 |
| VME 08-LG-6B | Aluminum Housing | $3 / 4$ BSP | HS -128 |

## Comatron <br> RESPONSIVENESS IN MOTIDN <br> Cavities Catalog FC-144

Member of the Danfoss Group


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | FC-144-FT |  |
| Roughing tool | FC-144-RT |  |

## Comatrol <br> Cavities Catalog <br> RESPONSIVENESS IN MOTIDN <br> FC-304

Member of the Danfoss Group

Dimensions
mm [in]


Free-flow


Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | FC-304-FT |  |
| Roughing tool | FC-304-RT |  |

## Comatr"nI <br> RESPONSIVENESS IN MOTIDN <br> Cavities Catalog



Form tools

|  | Model code | Material <br> number |
| :--- | :--- | :--- |
| Finishing tool | FC-336-FT | 310219 |
| Roughing tool | FC-336-RT | 11027248 |

Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| FC336-4S | Aluminum Housing | SAE \#4 | - |



Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| UDPS-06-AL | ISO D03 Subplate, Aluminum | \#8 SAE | HS - 21 |
| UDPS-06-DI | ISO D03 Subplate, Ductile Iron | \#8 SAE | - |

## Comatr"nI <br> RESPONSIVENESS IN MOTIDN <br> Cavities Catalog ISO D05 <br> Member of the Danfoss Group

Dimensions
mm [in]


Housings

| Order Code | Description | Ports | Page |
| :--- | :--- | :--- | :--- |
| UDPS-10-AL | ISO D05 Subplate, Aluminum | \#8 SAE | HS -22 |
| UDPS-10-DI | ISO D05 Subplate, Ductile Iron | \#8 SAE | - |


[^0]:    $\sqrt{=} 1.6[63]$

