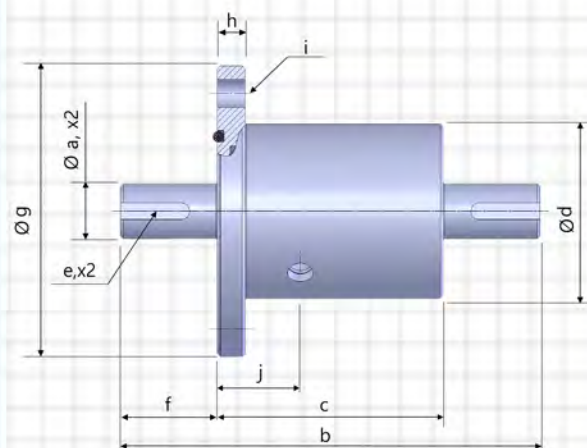


GSF□□□SX type



Drawing



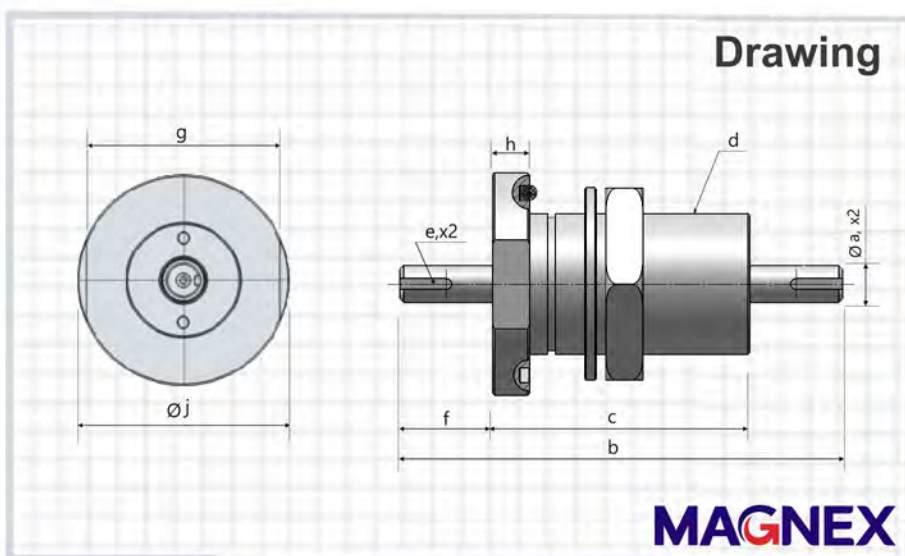
MAGNEX



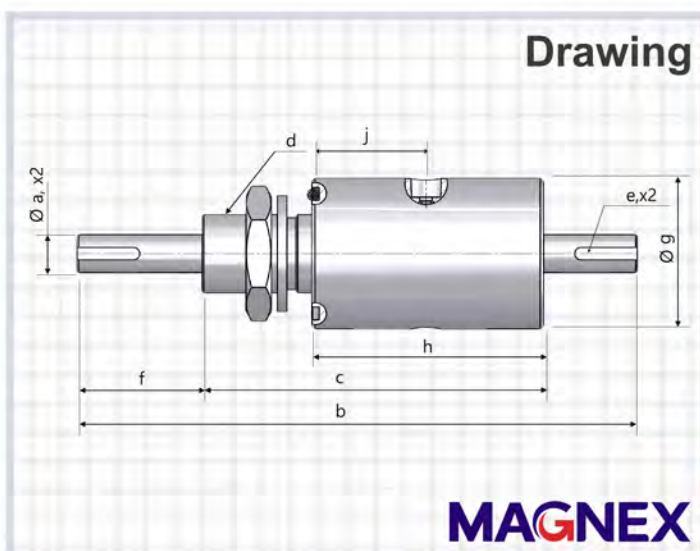
| SHAFT DIA.       | 006                      | 010                       | 012                       | 020                       |
|------------------|--------------------------|---------------------------|---------------------------|---------------------------|
| a                | $\Phi 6^{+0.0}_{-0.018}$ | $\Phi 10^{+0.0}_{-0.022}$ | $\Phi 12^{+0.0}_{-0.027}$ | $\Phi 20^{+0.0}_{-0.033}$ |
| b                | 97.5                     | 119.5                     | 133.5                     | 151.5                     |
| c                | 57.5                     | 69.5                      | 73.5                      | 81.5                      |
| d                | 38                       | 44                        | 48                        | 63                        |
| e                | Dp0.5xL12(Flat)          | Dp1.8xL14xW3              | Dp2.5xL20xW4              | Dp3.5xL25xW6              |
| f                | 20                       | 25                        | 30                        | 35                        |
| g                | 80                       | 80                        | 90                        | 105                       |
| h                | 10                       | 10                        | 10                        | 10                        |
| i                | P.C.D60, 4- $\Phi 8$     | P.C.D60, 4- $\Phi 8$      | P.C.D70, 4- $\Phi 10$     | P.C.D85, 4- $\Phi 10$     |
| j                | 17                       | 20                        | 29                        | 30                        |
| Bearing standard | 627                      | 6001                      | 6002                      | 6005                      |
| O-ring (Viton)   | G25                      | G30                       | G35                       | G50                       |

❖ The model name of cooling type is GSF□□□SY.

## GSN□□□SX type



## GSS□□□SX type



THROUGH HOLE NUT MOUNT TYPE  
THROUGH HOLE SLEEVE MOUNT TYPE

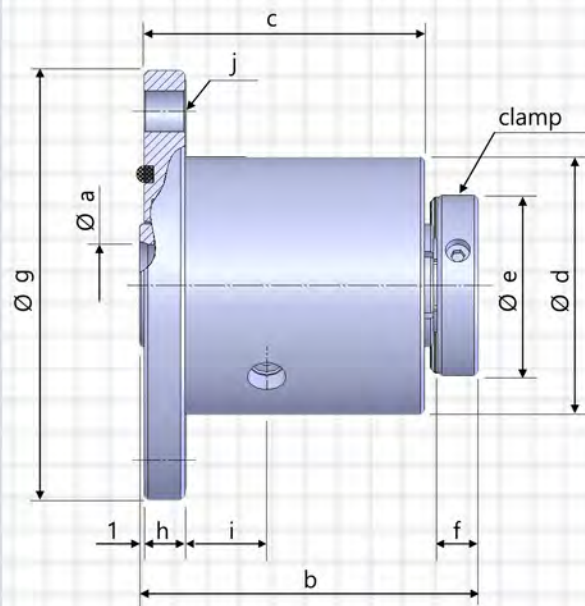
| MODEL            | GSN TYPE                               |                                         | GSS TYPE                                |                                         |
|------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| SHAFT DIA.       | 006                                    | 010                                     | 012                                     | 020                                     |
| a                | Φ6 <sup>+0.0</sup> / <sub>-0.017</sub> | Φ10 <sup>+0.0</sup> / <sub>-0.021</sub> | Φ12 <sup>+0.0</sup> / <sub>-0.026</sub> | Φ20 <sup>+0.0</sup> / <sub>-0.032</sub> |
| b                | 97.5                                   | 119.5                                   | 179                                     | 211                                     |
| c                | 57.5                                   | 69.5                                    | 109                                     | 121                                     |
| d                | M32x1.5                                | M38x1.5                                 | M25x1.5                                 | M30x1.5                                 |
| e                | Dp0.5 x L12(Flat)                      | Dp1.8 x L14 x W3                        | Dp2.5 x L20 x W4                        | Dp3.5 x L25 x W6                        |
| f                | 20                                     | 25                                      | 40                                      | 55                                      |
| g                | 49                                     | 55                                      | 48                                      | 63                                      |
| h                | 10                                     | 10                                      | 74                                      | 82                                      |
| j                | 55                                     | 60                                      | 36.5                                    | 40.5                                    |
| Bearing standard | 627                                    | 6001                                    | 6002                                    | 6005                                    |
| O-ring ( Viton)  | P38                                    | P45                                     | G35                                     | G50                                     |

❖ The model name of cooling type is GSS□□□SY.

## GHF□□□SX type



Drawing



MAGNEX



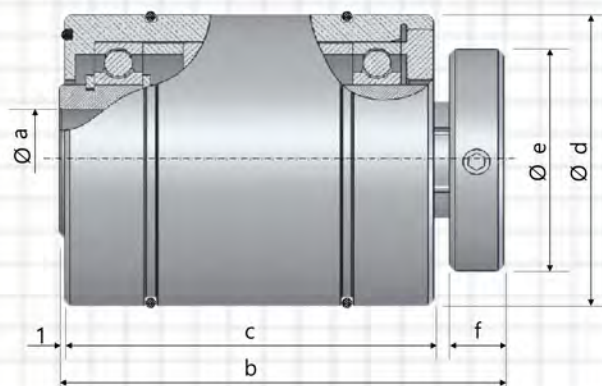
| SHAFT DIA.       | 010                                     | 020                                     | 025                                     | 030                                     | 040                                     | 050                                     | 075                                     |
|------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| a                | Φ10 <sup>+0.029</sup> <sub>+0.011</sub> | Φ20 <sup>+0.039</sup> <sub>+0.021</sub> | Φ25 <sup>+0.039</sup> <sub>+0.021</sub> | Φ30 <sup>+0.039</sup> <sub>+0.021</sub> | Φ40 <sup>+0.049</sup> <sub>+0.021</sub> | Φ50 <sup>+0.049</sup> <sub>+0.021</sub> | Φ75 <sup>+0.059</sup> <sub>+0.031</sub> |
| b                | 78                                      | 82.5                                    | 88                                      | 93                                      | 96                                      | 98                                      | 115                                     |
| c                | 64                                      | 68.5                                    | 74                                      | 79                                      | 80                                      | 82                                      | 96                                      |
| d                | 51                                      | 63                                      | 71                                      | 78                                      | 90                                      | 103                                     | 143                                     |
| e                | 34                                      | 44                                      | 49                                      | 54                                      | 69                                      | 79                                      | 109                                     |
| f                | 10                                      | 10                                      | 10                                      | 10                                      | 12                                      | 12                                      | 15                                      |
| g                | 90                                      | 105                                     | 120                                     | 120                                     | 145                                     | 160                                     | 210                                     |
| h                | 10                                      | 10                                      | 10                                      | 10                                      | 10                                      | 12                                      | 12                                      |
| i                | 20                                      | 20                                      | 23                                      | 23                                      | 23.2                                    | 23.6                                    | 28.4                                    |
| j                | P.C.D70,<br>4-Φ10                       | P.C.D85,<br>4-Φ10                       | P.C.D100,<br>4-Φ10                      | P.C.D100,<br>4-Φ10                      | P.C.D120,<br>4-Φ12                      | P.C.D135,<br>4-Φ12                      | P.C.D185,<br>6-Φ12                      |
| k                | Φ10 <sup>-0.009</sup> <sub>-0.031</sub> | Φ20 <sup>-0.009</sup> <sub>-0.031</sub> | Φ25 <sup>-0.009</sup> <sub>-0.031</sub> | Φ30 <sup>-0.009</sup> <sub>-0.031</sub> | Φ40 <sup>-0.009</sup> <sub>-0.031</sub> | Φ50 <sup>-0.009</sup> <sub>-0.031</sub> | Φ75 <sup>-0.009</sup> <sub>-0.041</sub> |
| Bearing Standard | 16003                                   | 6906                                    | 6907                                    | 6908                                    | 6910                                    | 6912                                    | 6918                                    |
| O-ring (Viton)   | G40                                     | G50                                     | G60                                     | G70                                     | G80                                     | G90                                     | G130                                    |

❖ k : Recommended shaft diameter.

❖ The model name of cooling type is GHF□□□SY.

GHC ☐ ☐ ☐ SX type


Drawing



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| SHAFT DIA.       | 010                                     | 020                                     | 025                                     | 030                                     | 040                                     | 050                                     | 075                                      |
|------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------|
| a                | Φ10 <sup>+0.029</sup> <sub>+0.011</sub> | Φ20 <sup>+0.039</sup> <sub>+0.021</sub> | Φ25 <sup>+0.039</sup> <sub>+0.021</sub> | Φ30 <sup>+0.039</sup> <sub>+0.021</sub> | Φ40 <sup>+0.049</sup> <sub>+0.021</sub> | Φ50 <sup>+0.049</sup> <sub>+0.021</sub> | Φ75 <sup>+0.059</sup> <sub>+0.031</sub>  |
| b                | 78                                      | 82.5                                    | 88                                      | 93                                      | 96                                      | 98                                      | 115                                      |
| c                | 64                                      | 68.5                                    | 74                                      | 79                                      | 80                                      | 82                                      | 96                                       |
| d                | Φ48 <sup>-0.001</sup> <sub>-0.021</sub> | Φ58 <sup>-0.001</sup> <sub>-0.031</sub> | Φ63 <sup>-0.001</sup> <sub>-0.031</sub> | Φ73 <sup>-0.001</sup> <sub>-0.031</sub> | Φ88 <sup>-0.001</sup> <sub>-0.041</sub> | Φ98 <sup>-0.001</sup> <sub>-0.041</sub> | Φ137 <sup>-0.001</sup> <sub>-0.041</sub> |
| e                | 34                                      | 44                                      | 49                                      | 54                                      | 69                                      | 79                                      | 109                                      |
| f                | 10                                      | 10                                      | 10                                      | 10                                      | 12                                      | 12                                      | 15                                       |
| k                | Φ10 <sup>-0.009</sup> <sub>-0.031</sub> | Φ20 <sup>-0.009</sup> <sub>-0.031</sub> | Φ25 <sup>-0.009</sup> <sub>-0.031</sub> | Φ30 <sup>-0.009</sup> <sub>-0.031</sub> | Φ40 <sup>-0.009</sup> <sub>-0.031</sub> | Φ50 <sup>-0.009</sup> <sub>-0.031</sub> | Φ75 <sup>-0.009</sup> <sub>-0.041</sub>  |
| m                | Φ48 <sup>+0.049</sup> <sub>+0.029</sub> | Φ58 <sup>+0.059</sup> <sub>+0.029</sub> | Φ63 <sup>+0.059</sup> <sub>+0.029</sub> | Φ73 <sup>+0.059</sup> <sub>+0.029</sub> | Φ88 <sup>+0.069</sup> <sub>+0.039</sub> | Φ98 <sup>+0.069</sup> <sub>+0.039</sub> | Φ137 <sup>+0.079</sup> <sub>+0.049</sub> |
| Bearing standard | 16003                                   | 6906                                    | 6907                                    | 6908                                    | 6910                                    | 6912                                    | 6918                                     |
| O-ring(Viton)    | S38                                     | S48                                     | S53                                     | S60                                     | S75                                     | S85                                     | S125                                     |

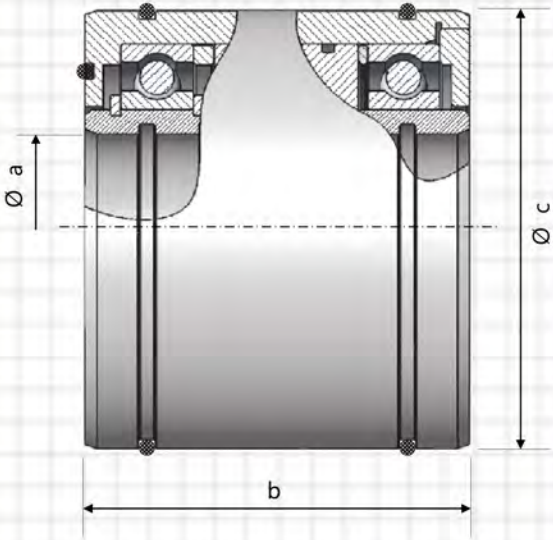
❖k : Recommended shaft diameter.

❖m : Recommended housing diameter.

GHCN□□□SX type



Drawing



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HOLLOW SHAFT CARTRIDGE TYPE



| SHAFT DIA.       | 010                                     | 012                                     | 020                                     | 024                                     | 032                                     | 038                                     | 040                                     | 050                                     |
|------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| a                | Φ10 <sup>+0.014</sup> <sub>+0.001</sub> | Φ12 <sup>+0.017</sup> <sub>+0.001</sub> | Φ20 <sup>+0.020</sup> <sub>+0.001</sub> | Φ24 <sup>+0.020</sup> <sub>+0.001</sub> | Φ32 <sup>+0.024</sup> <sub>+0.001</sub> | Φ38 <sup>+0.024</sup> <sub>+0.001</sub> | Φ40 <sup>+0.024</sup> <sub>+0.001</sub> | Φ50 <sup>+0.024</sup> <sub>+0.001</sub> |
| b                | 50                                      | 50                                      | 64                                      | 64                                      | 64                                      | 64                                      | 64                                      | 82                                      |
| c                | Φ40 <sup>-0.010</sup> <sub>-0.024</sub> | Φ40 <sup>-0.010</sup> <sub>-0.024</sub> | Φ60 <sup>-0.011</sup> <sub>-0.028</sub> | Φ63 <sup>-0.011</sup> <sub>-0.028</sub> | Φ73 <sup>-0.011</sup> <sub>-0.028</sub> | Φ83 <sup>-0.013</sup> <sub>-0.033</sub> | Φ90 <sup>-0.013</sup> <sub>-0.033</sub> | Φ95 <sup>-0.013</sup> <sub>-0.033</sub> |
| k                | Φ10 <sup>-0.009</sup> <sub>-0.031</sub> | Φ12 <sup>-0.009</sup> <sub>-0.031</sub> | Φ20 <sup>-0.009</sup> <sub>-0.031</sub> | Φ24 <sup>-0.009</sup> <sub>-0.031</sub> | Φ32 <sup>-0.009</sup> <sub>-0.031</sub> | Φ38 <sup>-0.009</sup> <sub>-0.031</sub> | Φ40 <sup>-0.009</sup> <sub>-0.031</sub> | Φ50 <sup>-0.009</sup> <sub>-0.031</sub> |
| m                | Φ40 <sup>+0.049</sup> <sub>+0.029</sub> | Φ40 <sup>+0.059</sup> <sub>+0.029</sub> | Φ60 <sup>+0.059</sup> <sub>+0.029</sub> | Φ63 <sup>+0.059</sup> <sub>+0.029</sub> | Φ73 <sup>+0.059</sup> <sub>+0.029</sub> | Φ83 <sup>+0.069</sup> <sub>+0.039</sub> | Φ90 <sup>+0.069</sup> <sub>+0.039</sub> | Φ95 <sup>+0.069</sup> <sub>+0.039</sub> |
| Bearing standard | 16003                                   | 16003                                   | 60/28                                   | 6006                                    | 6908                                    | 6910                                    | 6910                                    | 6912                                    |
| O-ring(Viton)    | S24                                     | S24                                     | S44                                     | S46                                     | S50                                     | S60                                     | S60                                     | S80                                     |

❖k : Recommended shaft diameter.  
❖m : Recommended housing diameter.