



SMITH
FLOW CONTROL LTD

SFC KEY INTERLOCKS & PROCESS MANAGEMENT SYSTEMS



TECHNICAL DATA REQUIRED SECTION

The type & nature of our products means that we require very specific/bespoke information to be able to design/manufacture them:

This section covers the common details required by SFC to ensure a swift transmission from order placement to actual production.

VALVE TOPWORKS DIMENSIONS

In order to design & fabricate our valve interlocks we require some very specific dimensional details of your host valve(s).

The next few pages provide some specimen drawings of different valve types and the dimensions typically required by SFC.

*Please note.

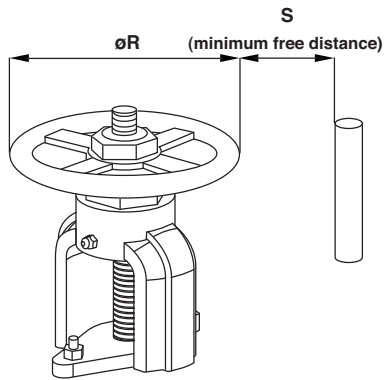
The more accurate the information provided, the better fit and function of your SFC valve interlocks.

We of course do have available skilled technicians who would be able to assist and if needed can travel to the yard or site to carry out measurements and or installation services.

TECHNICAL DATA REQUIRED

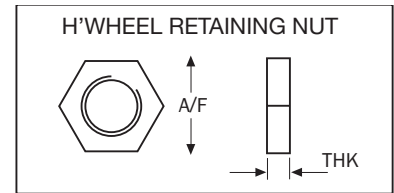
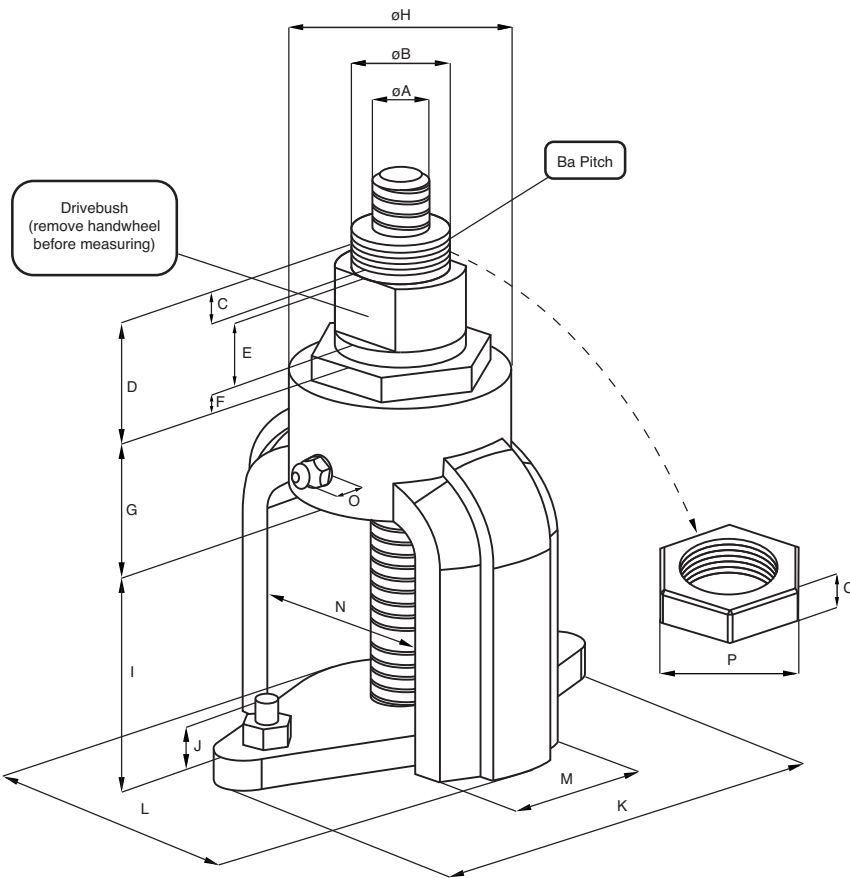
GATE VALVE FILL IN SHEET – (Specimen only)

MAIN DIMENSIONS



Ba (Pitch) =

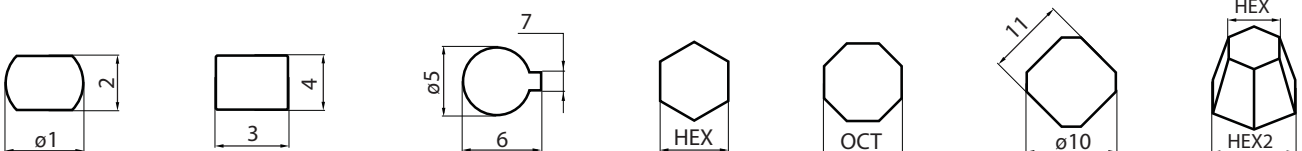
- | | |
|----------------------------|----------------------------|
| $\phi A = \dots\dots\dots$ | $\phi B = \dots\dots\dots$ |
| $C = \dots\dots\dots$ | $D = \dots\dots\dots$ |
| $E = \dots\dots\dots$ | $F = \dots\dots\dots$ |
| $G = \dots\dots\dots$ | $\phi H = \dots\dots\dots$ |
| $I = \dots\dots\dots$ | $J = \dots\dots\dots$ |
| $K = \dots\dots\dots$ | $L = \dots\dots\dots$ |
| $N = \dots\dots\dots$ | $O = \dots\dots\dots$ |
| $P = \dots\dots\dots$ | $Q = \dots\dots\dots$ |
| $\phi R = \dots\dots\dots$ | $S = \dots\dots\dots$ |



Size.....
 Pressure Rating.....
 Make.....
 Handwheel size.....

- | | |
|----------------------------|-----------------------------|
| $\phi 1 = \dots\dots\dots$ | 2 = |
| 3 = | 4 = |
| $\phi 5 = \dots\dots\dots$ | 6 = |
| 7 = | HEX = |
| OCT = | $\phi 10 = \dots\dots\dots$ |
| 11 = | HEX = |
| HEX2 = | |

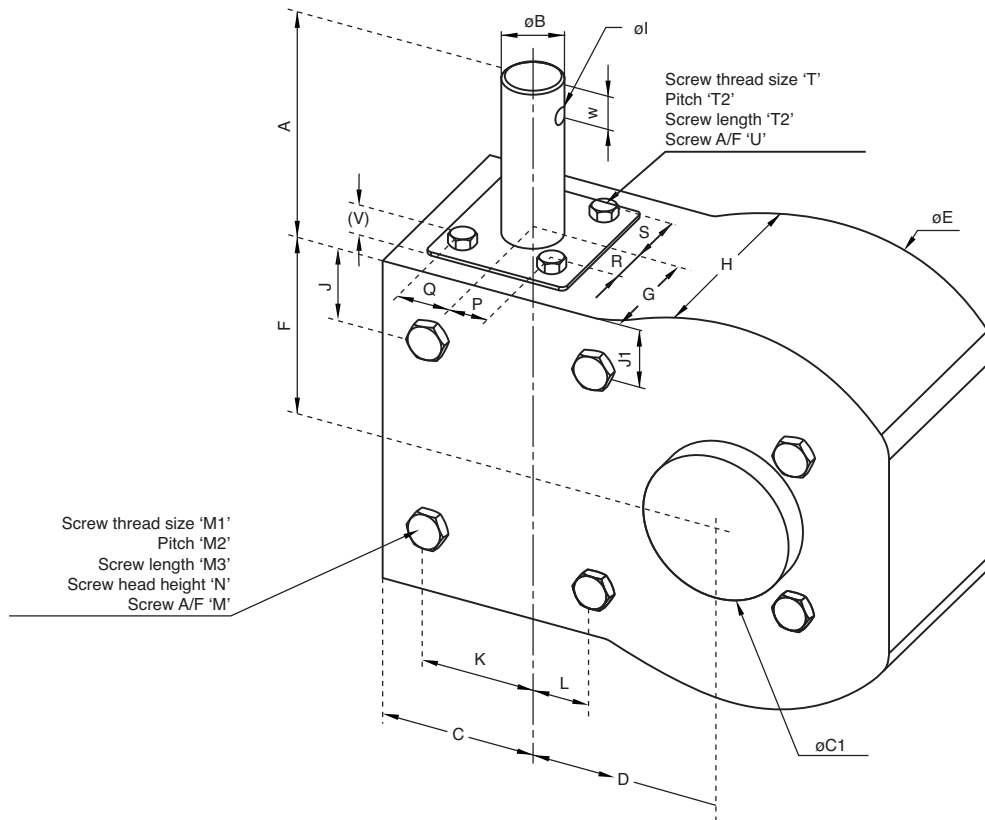
HANDWHEEL DRIVE FORM



TECHNICAL DATA REQUIRED

GEARBOX FILL IN SHEET – (Specimen only)

MAIN DIMENSIONS

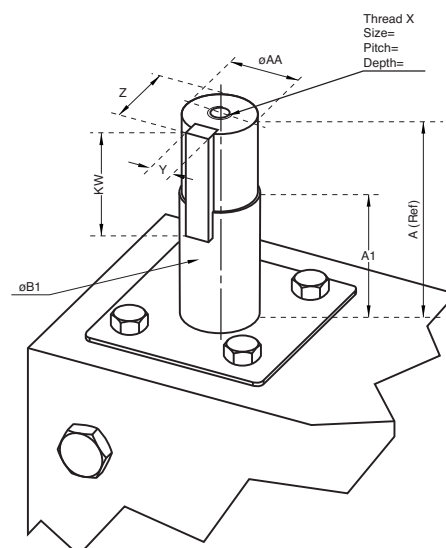


A =
 ØB =
 C =
 ØC1 =
 D =
 ØE =
 F =
 G =
 H =
 ØI =
 J =
 J1 =
 K =
 L =
 M =
 M1 =
 M2 =
 M3 =
 N =
 P =
 Q =
 R =
 S =
 'T' =
 'T1' =
 'T2' =
 U =
 (V) =
 W =

Or
PCD

Size
 Pressure Rating
 Make
 Handwheel Size
 Number of Turns

HANDWHEEL STEM FORM

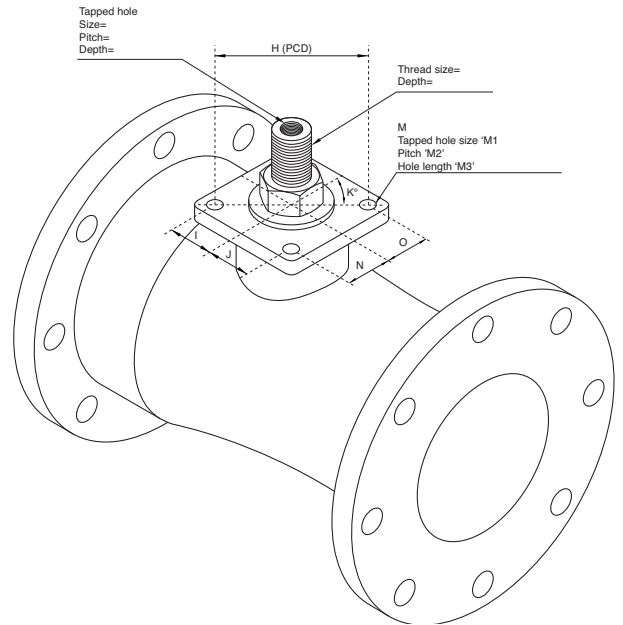
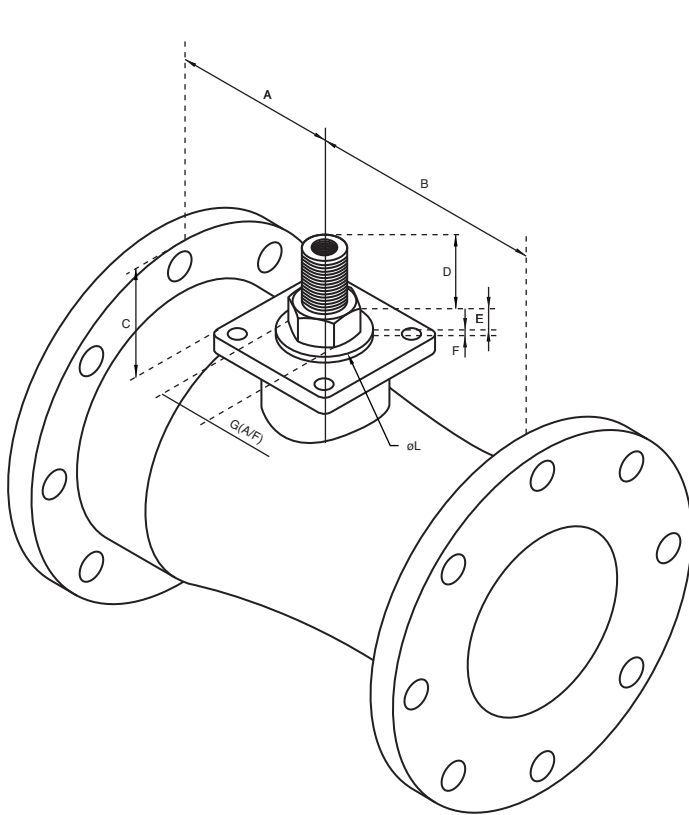


X =
 Y =
 Z =
 A =
 A1 =
 ØAA =
 ØB1 =
 KW =

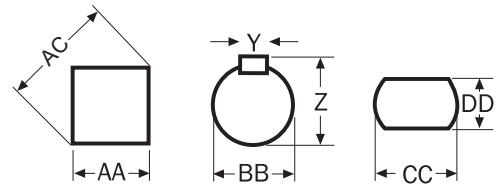
TECHNICAL DATA REQUIRED

BALL VALVE FILL IN SHEET – (Specimen only)

MAIN DIMENSIONS



HANDWHEEL STEM FORM



AA = AC =
 BB = DD =
 CC = Pitch =

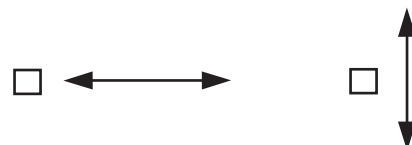
\varnothing of stem
(thread size and pitch)

Note: Please note that this fill-in sheet is for example purposes only.

Please contact our technical sales team, should your valve differ significantly from the illustration shown.

FLOW DIRECTION

(See drawing on the left)



A = J =
 B = K =
 C = \varnothing L =
 D = M =
 E = M1 =
 F = M2 =
 G = M3 =
 H = N =
 I = O =

Tapped Hole: Size
 Pitch
 Depth

Size
 Pressure Rating
 Lever Length
 Make

SITE SERVICES

The vast knowledge and experience of our Site Service Team cannot be over stated.

Our team have visited many Oil, Gas and Petrochemical facilities worldwide.

Collectively SFC's staff have over 250 years of experience of site working all around the world. We have surveyed valves, fitted and commissioned Interlock systems and undertaken design and consultancy work for most major Engineering Contractors and End Users since our inception.

We very much look forward to being of assistance to you at your facility.

SURVEY

To ensure that your Interlocks fit and function without any problems, it is strongly recommended that SFC's Site Service team are employed to obtain the detailed valve 'topwork' dimensions. The physical taking of these crucial details will ensure that you have a job that is 'right first time'.

COMMISSIONING

Your safety Interlock systems have been designed and manufactured to bespoke specifications, so why would you use a third party to install and commission them? SFC's experienced team of Site Technicians will ensure your equipment is installed, commissioned and handed over to the final client fully operational.

MAINTENANCE

As any mechanical equipment ages, it becomes inevitable that routine maintenance and adjustment will be required.

SFC's Interlocks are not 'maintenance intensive', but an annual inspection for overall condition is always a good idea and any minor adjustments can be made at the same time.

We have several annual inspection contracts (mostly for Offshore platforms) that use this service to keep their equipment in the best possible condition in a harsh environment.





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