



# How to Order 4-Bolt Hydraulic Flanges

## TFD Standard Nomenclature Construction

Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7
Flange Size	Connection Description	Shape	Flange Connection Type	Mounting Style	Material	Kit Designation

### Box 1 – Port / Tube / Pipe Flange Size

Symbol	Description
One- to two-digit codes	Size in inches x 16

One code is required if end connections are the same size. Two codes are required if they are different sizes (e.g., 16-12).

### Box 2 – Port / Tube / Pipe Connection Description

Symbol	Description
B3	Braze Socket – silver braze
CP1	Connector Plate – Code 61
CP2	Connector Plate – Code 62
FCC1	Flange Clamp, Captive – Code 61
FCC2	Flange Clamp, Captive – Code 62
FCCT1	Flange Clamp, Captive with Tapped Holes – Code 61
FCCT2	Flange Clamp, Captive with Tapped Holes – Code 62
FCS1	Flange Clamp, Split – Code 61
FCS2	Flange Clamp, Split – Code 62
G	NPTF Port
G3	BSPT Port
G4	BSPP Port
G5	SAE Port
P	Plug (blanking end)
SP	Spacer w/o Gage Ports
SPG	Spacer w/ 1/4-18 NPTF Gage Port
SPG5	Spacer w/ 7/16-20 UNF Gage Port
SPGG5	Spacer w/ 1/4-18 NPTF & 7/16-20 UNF Ports
WSD1	Weld Saddle – Pipe
WSD2	Weld Saddle – Tube
W4	Flat Weld Socket – Tube
W4S	Flat Weld Socket – Tube (shallow)
W5	Flat Weld Socket – Pipe
W5S	Flat Weld Socket – Pipe (shallow)
W6	Extended Weld Socket – Tube
W6S	Extended Weld Socket – Tube (shallow)
W7	Extended Weld Socket – Pipe
W7S	Extended Weld Socket – Pipe (shallow)
WB1	Weld Butt – Schedule 40
WB3	Weld Butt – Schedule 80
WB5	Weld Butt – Schedule 160
WB7	Weld Butt – Schedule XXS
WBT	Weld Butt – Tank Pilot
WPL	Weld Plate
W	Weld Socket
W2	Weld Nipple
W3 or WB	Weld Nipple – Weld Butt, Tube

### Box 3 – Shape Description

Symbol	Description
None	Block and Pad, Straight*
E	Elbow 90°
H	Barstock, Straight
J	Tee

\* The "Block" has O-ring and drilled mounting holes, while the "Pad" has no O-ring groove and tapped mounting holes.

### Box 4 – Flange Connection Type

Symbol	Description
Q1	Code 61 Flange Head w/ O-ring Groove
Q1N	Code 61 Flange Head w/o O-ring Groove
Q2	Code 62 Flange Head w/ O-ring Groove
Q2N	Code 62 Flange Head w/o O-ring Groove
Q1B	Code 61 Flange Block w/ O-ring Groove and Drilled Mounting Holes
Q1P	Code 61 Flange Block w/o O-ring Groove and Drilled Mounting Holes
Q2B	Code 62 Flange Block w/ O-ring Groove and Drilled Mounting Holes
Q2P	Code 62 Flange Pad w/o O-ring Groove and Tapped Mounting Holes
QSB	Square Flange Block w/ O-ring Groove and Drilled Mounting Holes
QSP	Square Flange Pad w/o O-ring Groove and Tapped Mounting Holes

### Box 5 – Mounting Style

Symbol	Description
Omit	Inch Mounting Bolts (screws)
M	Metric Mounting Bolts (screws)

### Box 6 – Material

Symbol	Description
S	Steel, Zinc Plated (braze or weld parts may not be plated)
SX	Steel, Oil Dipped
SS	Stainless Steel

### Box 7 – Kit Designation

Symbol	Description
Omit	Flange Only
K	Kit (O-ring, 4 bolts and washers)

Dimensions and pressures for reference only, subject to change.