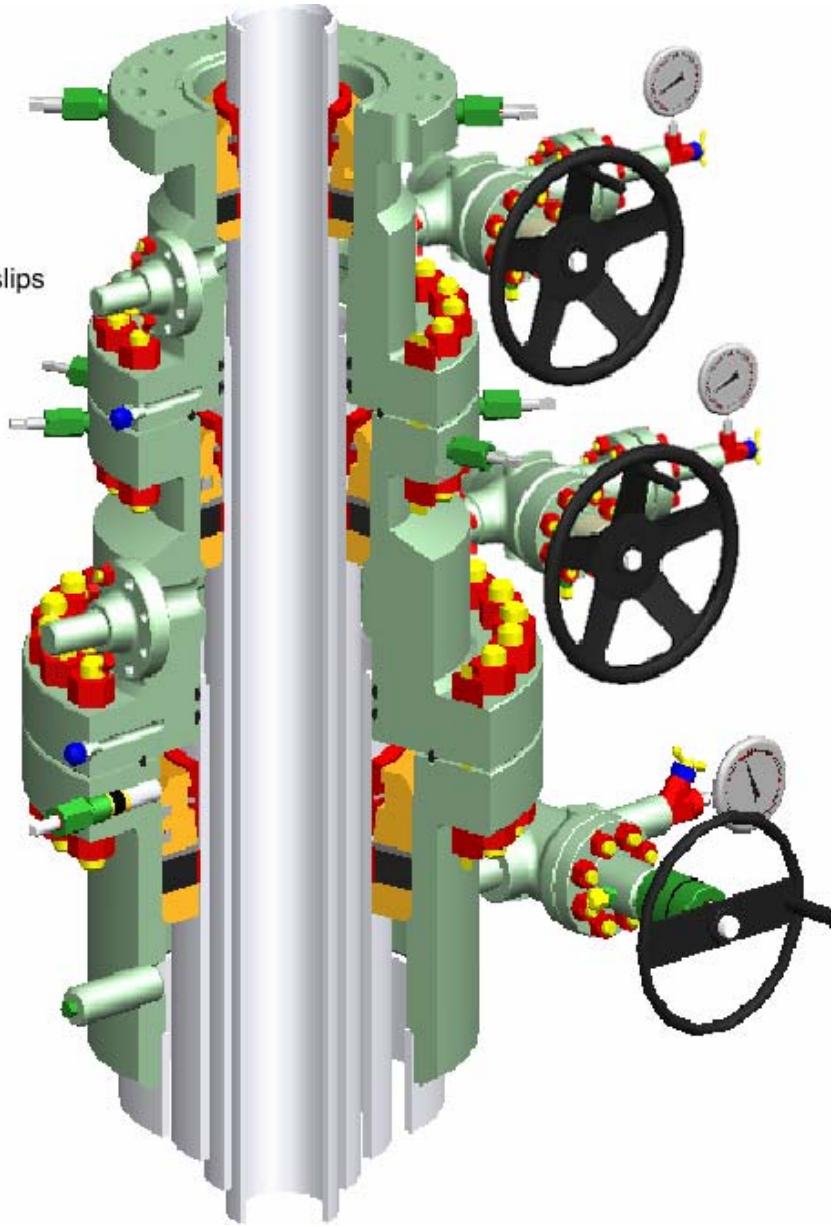
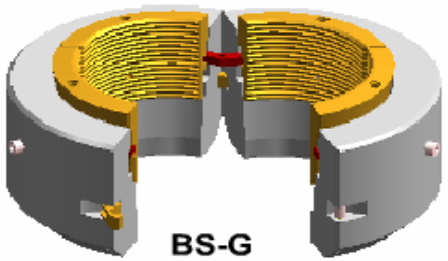
BSHD WELLHEAD

The BSHD wellhead is based upon a straight bore bowl with a 45° shoulder to support casing loads.
The BSHD bowl is deeper than the BS bowl. Three configurations of casing slips assemblies are available depending upon application requirements.
The casing slips assembly is latched around the casing and lowered into the casing head after the cementing job.
In addition to the standard type GS secondary packing group a selection of secondary seals and pack-off is available to meet special requirements.

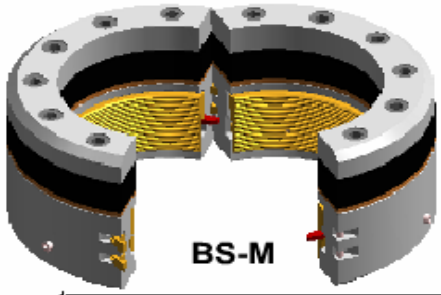
Working Pressure: up to 15000psi (excluding Tubing Spool)
Temperature range: -29°C +121°C
Casing Head Housing: BSHD, BSHD-P, BSHD-A
Casing Head Spools: BSHD, BSHD-P, BSHD-A
Casing Hangers: BSHD slip and seal assemblies
Tubing Spools and Hangers: all types (see completion section)
Other requirements not covered by this notes are available on request.



G-SEAL RING

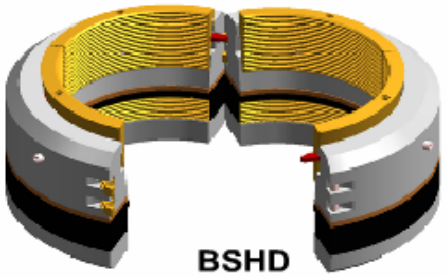


BS-G



BS-M

GP RING



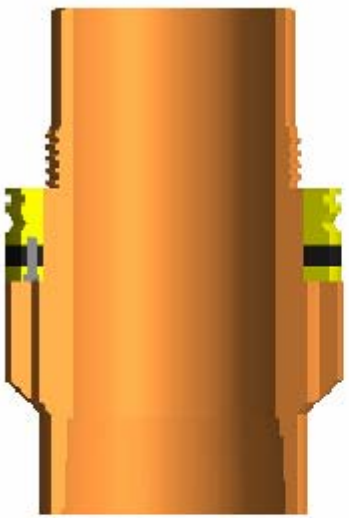
BSHD

BSHD Slip Type Casing Hanger
BSHD is an automatic wrap around hanger where the annulus seal is energized by casing weight. It is provided with spring energized latch to lock the hanger halves. Two sets of slips hold the casing weight preventing downward movements and collapse of the casing. Tapered slip segments are provided with rough backs for a secure bite of the casing string.
The rated load capacity is 80% of pipe body yield load.

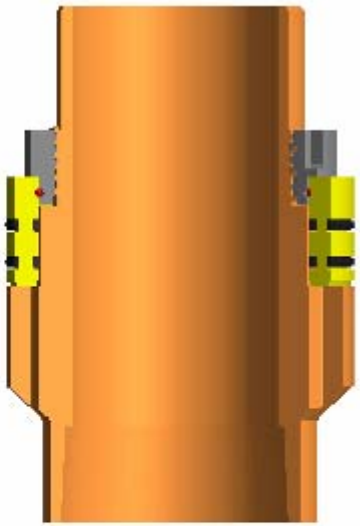
BS-M is used when casing weight is not sufficient to energize the slip hanger seal. This slip is a wrap-around hanger where the seal is energized by cap screws. It can not be used in spools provided with lock screws.

BS-G is a single slip hanger assembly that is latched around the casing and lowered into casing head. The rated load capacity is 50% of pipe body yield load. An independent pack-off is installed over the casing after the slip hanger is set and the casing cut off. This pack-off named G seal ring uses type GS interference seals and can not be used in spools provided with lock screws.
The rated load capacity is 50% of pipe body yield load.

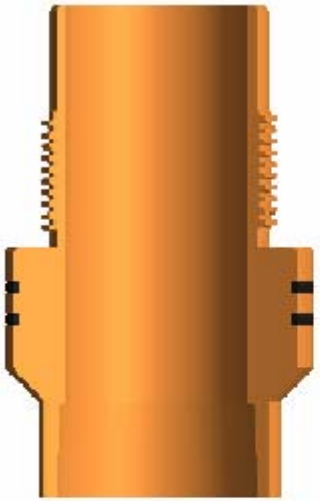
TOP FLANGE NOM. SIZE in.	CASING SIZE in.			
	BS	BSHD	BS-G	BS-M
9	4.1/2	-	4.1/2	-
9	5	-	5	-
9	5.1/2	-	5.1/2	-
11	4.1/2	4.1/2	4.1/2	4.1/2
11	5	5	5	5
11	5.1/2	5.1/2	5.1/2	5.1/2
11	6.5/8	6.5/8	6.5/8	6.5/8
11	7	7	7	7
11	7.5/8	7.5/8	7.5/8	7.5/8
13.5/8	5.1/2	5.1/2	5.1/2	5.1/2
13.5/8	7	7	7	7
13.5/8	7.5/8	7.5/8	7.5/8	7.5/8
13.5/8	8.5/8	8.5/8	8.5/8	8.5/8
13.5/8	9.5/8	9.5/8	9.5/8	9.5/8
13.5/8	10.3/4	10.3/4	10.3/4	10.3/4
16.3/4	8.5/8	8.5/8	8.5/8	8.5/8
16.3/4	9.5/8	9.5/8	9.5/8	9.5/8
16.3/4	10.3/4	10.3/4	10.3/4	10.3/4
16.3/4	11.3/4	11.3/4	11.3/4	11.3/4
20.3/4 - 21.1/4	10.3/4	10.3/4	10.3/4	10.3/4
20.3/4 - 21.1/4	11.3/4	11.3/4	11.3/4	11.3/4
20.3/4 - 21.1/4	13.3/8	13.3/8	13.3/8	13.3/8
20.3/4 - 21.1/4	16	16	16	16



MCF-LS-BSHD



MCF-BSHD



MC-BSHD

MCPX-BSHD

BSHD, BSHD-P, BSHD-A, BSHD-GP, head housings and spools accept mandrel casing hangers when the suspended casing does not need to be tensioned after cementing.
The mandrel-type casing hanger is run with the annulus seal installed while the fluted-type casing hanger with flowby areas has a pack-off that is installed by a simple tool after cementing.
This pack-off is replaceable and it is held in place by lockdown screws.
The hanger body provides full casing capacity at full working pressure.
The casing hangers are provided with extended neck sealing in the next head spool by conventional secondary pack-off systems.