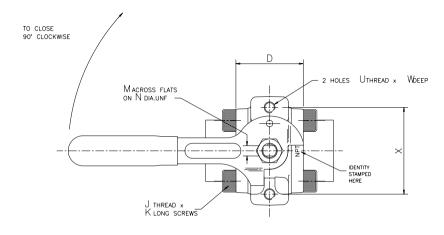
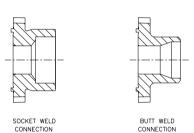
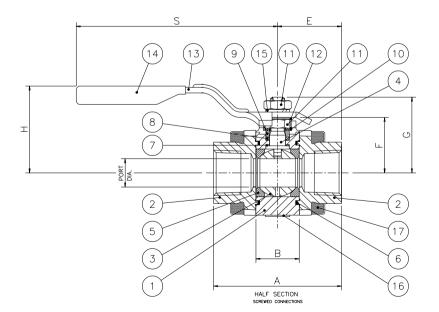
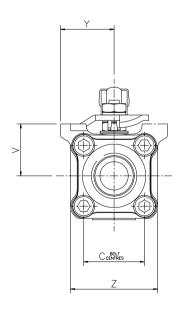
VAL										VA	LVE DI	MENSI	DNS (n	nm)								
SIZ	ΖE	PORT	Α	В	С	D	E	F	G	Н	J	K	М	N	S	U	V	W	X	Y	Z	APPROX
MM	INS	DIA	±0.8	±0.07		±0.8	±0.4	±0.25	±0.25	±0.8			±0.04								±0.8	Kg
8-10-15	1/4-3/8-1/2	11.1	65.4	20.58	31.8	31.8	32.7	27.54	37.99	58.0	м8	15.0	5.50	3/8 UNF	136.0	М6	26.6	9.5	48.0	30.4	47.6	0.7
20	3/4	14.3	71.0	24.55	38.1	37.4	35.5	29.93	40.38	60.3	м8	15.0	5.50	3/8 UNF	136.0	М6	29.0	9.5	54.0	33.4	54.4	0.9
25	1	20.6	93.7	31.69	44.5	49.3	46.9	40.63	55.58	64.8	M10	20.0	7.50	7/16UNF	149.0	м8	38.0	9.7	63.5	40.5	65.4	1.6









ITEM No	DESCRIPTION		MATERIAL	QTY
1	BODY		STAINLESS STEEL ASTM A182 F316	1
2	BODY CONNECTOR		STAINLESS STEEL ASTM A182 F316L	2
3	BALL		STAINLESS STEEL 316	1
4	STEM		STAINLESS STEEL 316	1
5	SEAT RING *	T R	PTFE VIRGIN PTFE 15% GLASS FILLED	2
6	CONNECTOR SEAL	*	FLEXIBLE GRAPHITE	2
7	THRUST SEAL	*	PTFE 35% CARBON FILLED	1
8	GLAND PACKING	*	FLEXIBLE GRAPHITE	1
9	GLAND		STAINLESS STEEL 316	1
10	DISC SPRING	*	STAINLESS STEEL 302	2
11	GLAND/WRENCH NUT	*	STAINLESS STEEL 316	2
12	LOCKING CLIP	*	CARBON STEEL PLATED	1
13	WRENCH		STAINLESS STEEL 17% CHROMIUM	1
14	WRENCH SLEEVE		VINYL PLASTISOL	1
15	SPRING WASHER	*	STAINLESS STEEL 316	1
16	IDENTIFICATION PLATE		STAINLESS STEEL 304	1
17	BODY CONNECTOR SCREW		STAINLESS STEEL BS 4882 MB8MX	8

THREADED CONNECTIONS.

BODY CONNECTORS SCREWED FEMALE TO THE FOLLOWING THREAD SPECIFICATIONS:—
NPT ANSI B1.20.1 (NPT)
BSPT ISO R/7.BS 21 (Rc)

BSPP ISO R/7.BS 21 (Rp)
SOCKET WELD CONNECTIONS.
BODY CONNECTORS BORED SUITABLE FOR
ACCEPTING PLAIN END PIPE TO THE
FOLLOWING SPECIFICATIONS:—
BS 1600 API 5L BS 3600
BUTT WELD CONNECTIONS.

BODY CONNECTORS PREPARED IN ACCORDANCE WITH RELEVENT MATL.SPEC & ASME CODE SECTION IX. FOR BUTT WELDING PIPE TO THE FOLLOWING SPECIFICATIONS:—

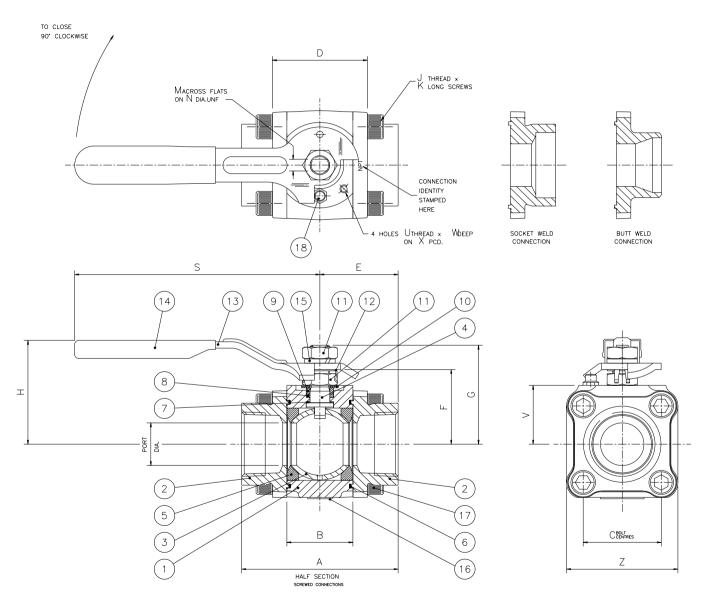
API 5L BS 1600 SCHEDULES 80/40/10/5

F44 8-25mm

- 1. DRAWING SHOWS 25mm VALVE WITH SCREWED NPT BODY CONNECTORS.
- 2. FOR ACTUATED VALVES ITEMS 13,14,15 & 1 OFF ITEM 11 ARE OMITTED.
- 3. ITEMS MARKED THUS * DENOTE COMPONENTS SUPPLIED IN REPAIR KIT.
- END TO END DIMENSION 'A' AND CENTRE TO END DIMENSION 'E' IS THE SAM FOR ALL TYPES OF END CONNECTION.



	_VE									VA	LVE DI	MENSI	ONS (n	nm)							
SIZ	ZE	PORT	Α	В	С	D	E	F	G	Н	J	K	М	N	S	U	V	W	Х	Z	APPROX
MM	INS	DIA	±0.8	±0.07		±0.8	±0.4	±0.25	±0.25	±0.8			±0.04							±0.8	Kg
32	1 1/4	25.4	106.0	41.24	50.8	60.4	53.0	45.38	60.33	69.6	M10	20.0	7.50	7/16UNF	149.0	М5	37.1	7.5	42.0	72.5	2.1
40	1 1/2	31.8	114.6	48.35	57.2	69.6	57.3	54.89	73.04	77.9	M12	25.0	8.67	9/16UNF	181.0	м6	44.0	8.7	50.0	84.5	3.1
50	2	38.1	127.1	56.28	66.7	79.1	63.6	59.64	77.79	82.6	M12	25.0	8.67	9/16UNF	181.0	М6	48.7	8.7	50.0	94.8	4.0



ITEM No	DESCRIPTION		MATERIAL	QT
1	BODY		STAINLESS STEEL ASTM ASTM A182 F316	1
2	BODY CONNECTOR		STAINLESS STEEL ASTM ASTM A182 F316L	2
3	BALL		STAINLESS STEEL 316	1
4	STEM		STAINLESS STEEL 316	1
5	SEAT RING *	Т	PTFE VIRGIN	2
		R	PTFE 15% GLASS FILLED	
6	CONNECTOR SEAL	*	FLEXIBLE GRAPHITE	2
7	THRUST SEAL	*	PTFE 35% CARBON FILLED	1
8	GLAND PACKING	*	FLEXIBLE GRAPHITE	1
9	GLAND		STAINLESS STEEL 316	1
10	DISC SPRING	*	STAINLESS STEEL 302	2
11	GLAND/WRENCH NUT	*	STAINLESS STEEL 316	2
12	LOCKING CLIP	*	CARBON STEEL PLATED	1
13	WRENCH		STAINLESS STEEL 17% CHROMIUM	1
14	WRENCH SLEEVE		VINYL PLASTISOL	1
15	SPRING WASHER	*	STAINLESS STEEL 316	1
16	IDENTIFICATION PLATE		STAINLESS STEEL 304	1
17	BODY CONNECTOR SCREW		STAINLESS STEEL BS 4882 MB8MX	8
18	STOP SCREW		STAINLESS STEEL 316	1

THREADED CONNECTIONS.

BODY CONNECTORS SCREWED FEMALE TO THE FOLLOWING THREAD SPECIFICATIONS:-ANSI B1.20.1 (NPT) ISO R/7.BS 21 (Rc) BSPP ISO R/7.BS 21 (Rp) BSPP ISO R/7.BS 21 (Rp)
SOCKET WELD CONNECTIONS.
BODY CONNECTORS BORED SUITABLE FOR
ACCEPTING PLAIN END PIPE TO THE
FOLLOWING SPECIFICATIONS:—
BI 1600 API 5L BS 3600
BUTT WELD CONNECTIONS.

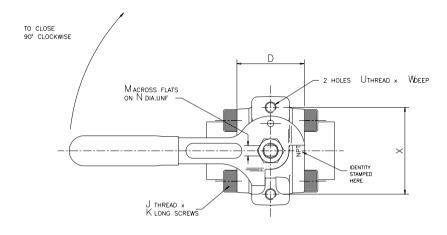
BODY CONNECTORS PREPARED IN ACCORDANCE WITH RELEVENT MATLSPEC & ASME CODE SECTION IX. FOR BUTT WELDING PIPE TO THE FOLLOWING SPECIFICATIONS:— API 5L BS 1600 SCHEDULES 80/40/10/5

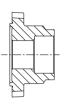
F44 32-50mm

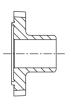
- 1. DRAWING SHOWS 40mm VALVE WITH SCREWED NPT BODY CONNECTORS.
- 2. FOR ACTUATED VALVES ITEMS 13,14,15,19 & 1 OFF ITEM 11 ARE OMITTED.
- 3. ITEMS MARKED THUS * DENOTE COMPONENTS SUPPLIED IN REPAIR KIT.
- 4. END TO END DIMENSION 'A' AND CENTRE TO END DIMENSION 'E' IS THE SAM FOR ALL TYPES OF END CONNECTION.



VAL	VE									VA	LVE DI	MENSI	DNS (n	nm)								
SIZ	Έ	PORT	Α	В	С	D	Е	F	G	Н	J	K	М	N	S	U	V	W	Х	Υ	Z	APPROX
MM	INS	DIA	±0.8	±0.07		±0.8	±0.4	±0.25	±0.25	±0.8			±0.04								±0.8	Kg
15	1/2	14.3	71.0	24.55	38.1	37.4	35.5	29.93	40.38	60.3	м8	15.0	5.50	3/8 UNF	136.0	м6	29.0	9.5	54.0	33.4	54.4	0.9
20	3/4	20.6	93.7	31.69	44.5	49.3	46.9	40.63	55.58	64.8	М10	20.0	7.50	7/16UNF	149.0	м8	38.0	9.7	63.5	40.5	65.4	1.6

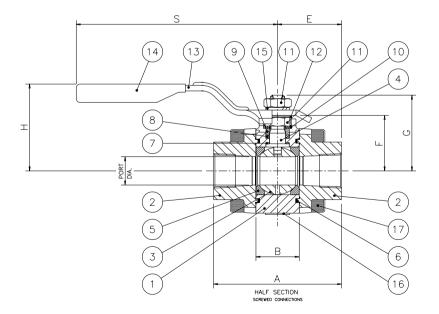


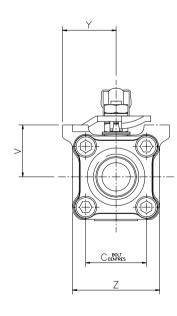




SOCKET WELD CONNECTION

BUTT WELD CONNECTION





ITEM No	DESCRIPTION		MATERIAL	QTY
1	BODY		STAINLESS STEEL ASTM A182 F316	1
2	BODY CONNECTOR		STAINLESS STEEL ASTM A182 F316	2
3	BALL		STAINLESS STEEL 316	1
4	STEM		STAINLESS STEEL 316	1
5	SEAT RING *	Т	PTFE VIRGIN	2
		R	PTFE 15% GLASS FILLED	
6	CONNECTOR SEAL	*	FLEXIBLE GRAPHITE	2
7	THRUST SEAL	*	PTFE 35% CARBON FILLED	1
8	GLAND PACKING	*	FLEXIBLE GRAPHITE	1
9	GLAND		STAINLESS STEEL 316	1
10	DISC SPRING	*	STAINLESS STEEL 302	2
11	GLAND/WRENCH NUT	*	STAINLESS STEEL 316	2
12	LOCKING CLIP	*	CARBON STEEL PLATED	1
13	WRENCH		STAINLESS STEEL 17% CHROMIUM	1
14	WRENCH SLEEVE		VINYL PLASTISOL	1
15	SPRING WASHER	*	STAINLESS STEEL 316	1
16	IDENTIFICATION PLATE		STAINLESS STEEL 304	1
17	BODY CONNECTOR SCREW		STAINLESS STEEL BS 4882 MB8MX	8

THREADED CONNECTIONS.

BODY CONNECTORS SCREWED FEMALE TO THE FOLLOWING THREAD SPECIFICATIONS:-ANSI B1.20.1 (NPT) ISO R/7.BS 21 (Rc) ISO R/7.BS 21 (Rp) SOCKET WELD CONNECTIONS.

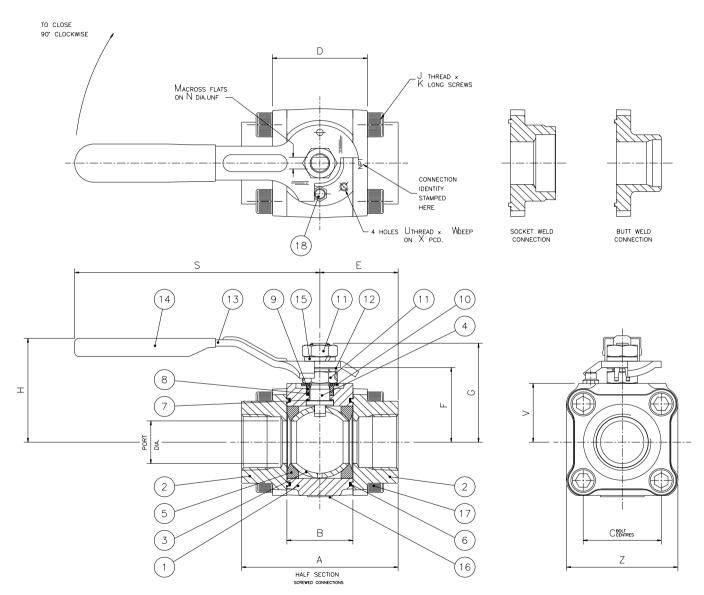
BODY CONNECTORS BORED SUITABLE FOR ACCEPTING PLAIN END PIPE TO THE FOLLOWING SPECIFICATIONS:-BS 1600 API 5L BS 3600 BUTT WELD CONNECTIONS. BODY CONNECTORS PREPARED IN ACCORDANCE WITH RELEVENT MATL.SPEC & ASME CODE SECTION IX. FOR BUTT WELDING PIPE TO THE FOLLOWING SPECIFICATIONS:-API 5L BS 1600 SCHEDULES 80/40/10/5

F59 15-20mm

- 1. DRAWING SHOWS 20mm VALVE WITH SCREWED NPT BODY CONNECTORS.
 2. FOR ACTUATED VALVES ITEMS 13,14,15 & 1 OFF ITEM 11 ARE OMITTED.
- 3. ITEMS MARKED THUS * DENOTE COMPONENTS SUPPLIED IN REPAIR KIT.
- 4. END TO END DIMENSION 'A' AND CENTRE TO END DIMENSION 'E' IS THE SAM FOR ALL TYPES OF END CONNECTION.



	_VE									VA	LVE DI	MENSI	ONS (n	nm)							
SI	ZE	PORT	Α	В	С	D	E	F	G	Н	J	K	М	N	S	U	V	W	X	Z	APPROX
MM	INS	DIA	±0.8	±0.07		±0.8	±0.4	±0.25	±0.25	±0.8			±0.04							±0.8	Kg
25	1	25.4	106.0	41.24	50.8	60.4	53.0	45.38	60.33	69.6	M10	20.0	7.50	7/16UNF	149.0	М5	37.1	7.5	42.0	72.5	2.1
32	1 1/4	31.8	114.6	48.35	57.2	69.6	57.3	54.89	73.04	77.9	M12	25.0	8.67	9/16UNF	181.0	м6	44.0	8.7	50.0	84.5	3.1
40	1 1/2	38.1	127.1	56.28	66.7	79.1	63.6	59.64	77.79	82.6	M12	25.0	8.67	9/16UNF	181.0	М6	48.7	8.7	50.0	94.8	4.0



ITEM No	DESCRIPTION		MATERIAL	QT
1	BODY		STAINLESS STEEL ASTM ASTM A182 F316	1
2	BODY CONNECTOR		STAINLESS STEEL ASTM ASTM A182 F316L	2
3	BALL		STAINLESS STEEL 316	1
4	STEM		STAINLESS STEEL 316	1
5	SEAT RING *	Т	PTFE VIRGIN	2
		R	PTFE 15% GLASS FILLED	
6	CONNECTOR SEAL	*	FLEXIBLE GRAPHITE	2
7	THRUST SEAL	*	PTFE 35% CARBON FILLED	1
8	GLAND PACKING	*	FLEXIBLE GRAPHITE	1
9	GLAND		STAINLESS STEEL 316	1
10	DISC SPRING	*	STAINLESS STEEL 302	2
11	GLAND/WRENCH NUT	*	STAINLESS STEEL 316	2
12	LOCKING CLIP	*	CARBON STEEL PLATED	1
13	WRENCH		STAINLESS STEEL 17% CHROMIUM	1
14	WRENCH SLEEVE		VINYL PLASTISOL	1
15	SPRING WASHER	*	STAINLESS STEEL 316	1
16	IDENTIFICATION PLATE		STAINLESS STEEL 304	1
17	BODY CONNECTOR SCREW		STAINLESS STEEL BS 4882 MB8MX	8
18	STOP SCREW		STAINLESS STEEL 316	1

THREADED CONNECTIONS.

BODY CONNECTORS SCREWED FEMALE TO THE FOLLOWING THREAD SPECIFICATIONS:-ANSI B1.20.1 (NPT) ISO R/7.BS 21 (Rc) BSPP ISO R/7.BS 21 (Rp) BSPP ISO R/7.BS 21 (Rp)
SOCKET WELD CONNECTIONS.
BODY CONNECTORS BORED SUITABLE FOR
ACCEPTING PLAIN END PIPE TO THE
FOLLOWING SPECIFICATIONS:—
BI 1600 API 5L BS 3600
BUTT WELD CONNECTIONS.

BODY CONNECTORS PREPARED IN ACCORDANCE WITH RELEVENT MATLSPEC & ASME CODE SECTION IX. FOR BUTT WELDING PIPE TO THE FOLLOWING SPECIFICATIONS:— API 5L BS 1600 SCHEDULES 80/40/10/5

F59 25-40mm

- 1. DRAWING SHOWS 32mm VALVE WITH SCREWED NPT BODY CONNECTORS.
- 2. FOR ACTUATED VALVES ITEMS 13,14,15,19 & 1 OFF ITEM 11 ARE OMITTED.
- 3. ITEMS MARKED THUS * DENOTE COMPONENTS SUPPLIED IN REPAIR KIT.
- 4. END TO END DIMENSION 'A' AND CENTRE TO END DIMENSION 'E' IS THE SAM FOR ALL TYPES OF END CONNECTION.

