

RECOMMENDED INSTALLATION TORQUE VALUES

BSPP - Recommended installation torque

Inch	Dash size	with O-RING		without O-RING	
		Nm	Lb.ft.	Nm	Lb.ft.
1/8	02	15	11	20	15
1/4	04	20	15	25	18
3/8	06	27	20	34	25
1/2	08	47	35	59	44
5/8	10	56	41	85	63
3/4	12	80	59	118	87
1	16	109	80	137	101
1 1/4	20	133	98	167	123
1 1/2	24	164	121	206	152
2	32	196	145	245	181

Metric - Recommended installation torque

mm	Dash size	Nm	Lb.ft.
M12 x 1.5	12	23	17
M14 x 1.5	14	26	19
M16 x 1.5	16	30	22
M18 x 1.5	18	41	30
M20 x 1.5	20	53	39
M22 x 1.5	22	76	56
M24 x 1.5	24	88	65
M26 x 1.5	26	106	78
M30 x 2	30	116	86
M36 x 2	36	133	98
M42 x 2	42	151	111
M45 x 2	45	173	128
M52 x 2	52	202	149

JIC 37° - Recommended installation torque

Inch	Dash size	Nm		Lb.ft.	
		min	max	min	max
7/16	04	15	17	11	13
1/2	05	19	22	14	16
9/16	06	27	30	20	22
5/8	07	40	45	30	33
3/4	08	59	65	44	48
7/8	10	68	79	50	58
1 1/16	12	107	119	79	88
1 3/16	14	128	140	94	103
1 5/16	16	158	170	117	125
1 7/8	20	215	237	159	175
1 1/2	24	254	288	187	212
2 1/2	32	339	384	250	283

JIS 60° - Recommended installation torque

Inch	Dash size	Nm		Lb.ft.	
		min	max	min	max
1/4	04	25	18	18	18
3/8	06	34	25	25	25
1/2	08	59	44	44	44
5/8	10	85	63	63	63
3/4	12	118	87	87	87
1	16	137	101	101	101
1 1/4	20	167	123	123	123
1 1/2	24	206	152	152	152
2	32	245	181	181	181

Recommended installation torque SAE J518 Code 61 Flange Half Bolt

Inch	Dash size	Nm		Lb.ft.	
		min	max	min	max
1/2	08	15	19	11	14
3/4	12	21	29	15	21
1	16	27	35	20	26
1 1/4	20	35	46	26	34
1 1/2	24	46	58	34	43
2	32	54	66	40	49
2 1/2	40	79	91	58	67

ORFS - Recommended installation torque

Inch	Dash size	Nm		Lb.ft.	
		min	max	min	max
9/16	06	25	18	18	18
11/16	09	38	28	28	28
13/16	11	57	42	42	42
1	13	90	66	66	66
1 3/16	14	130	96	96	96
1 7/16	15	170	125	125	125
1 11/16	21	200	148	148	148
2 1/2	32	240	177	177	177

Recommended installation torque SAE J518 Code 62 Flange Half Bolt

Inch	Dash size	Nm		Lb.ft.	
		min	max	min	max
1/2	08	15	19	11	14
3/4	12	25	33	18	24
1	16	42	50	31	37
1 1/4	20	62	75	46	55
1 1/2	24	116	133	86	98
2	32	199	216	147	159

SAE Seal-Lok - Recommended installation torque

Inch	Dash size	Nm	
		min	max
1/4	04	10	12
3/8	06	18	20
1/2	08	32	35
5/8	10	46	50
3/4	12	65	70
1	16	92	100
1 1/4	20	125	140
1 1/2	24	150	165