

FTCF/F SERIES BREATHER PLUG

SPECIFICATION

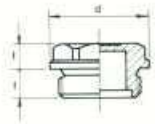
Head milling for greater sealing area against the crankcase.

Hole for venting internal pressure.

APPLICATION

For use only on upper crankcase and away from moving parts.

For application requiring normal tight sealing.



DIMENSIONS:

PART NO	THREADS	d	t	f	e
FTCF/F0G	1/8"	14	7	8	10
FTCF/F1G	1/4"	20	8	8	17
FTCF/F2G	3/8"	22	8	9	18
FTCF/F3G	1/2"	28	9	11	22
FTCF/F4G	3/4"	32	10.5	12	27
FTCF/F5G	1"	40	10.5	12.5	34
FTCF/F0M	M10 x 1	14	7	8	10
FTCF/F1M	M14 x 1.5	20	8	8	17
FTCF/F2M	M16 x 1.5	22	8	9	18
FTCF/F3M	M18 x 1.5	26	8	9	20
FTCF/F4M	M20 x 1.5	28	9	11	22
FTCF/F5M	M22 x 1.5	28	9	11	22

FTMV SERIES BREATHER PLUG

SPECIFICATION

Breather plug with O-ring and external valve

Set at 0.10 to 0.15 bar.

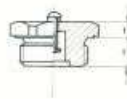
Opens at intervals and vents internal pressure.

APPLICATION

For use to keep out foreign bodies.

Holding the fluid when machine is turned upside down during shipment.

For use in differentials, transmission and small speed reducers.



DIMENSIONS:

PART NO	THREADS	t	f	e
FTMV0G	1/8"	5	8	14
FTMV1G	1/4"	6	8	17
FTMV2G	3/8"	7	10	22
FTMV3G	1/2"	7	10	27
FTMV4G	3/4"	8	12	32
FTMV5G	1"	8	14	40
FTMV0M	M10 x 1	5	8	14
FTMV1M	M12 x 1.5	6	8	17
FTMV2M	M14 x 1.5	6	8	17
FTMV3M	M16 x 1.5	7	10	22
FTMV4M	M18 x 1.5	7	10	22
FTMV5M	M20 x 1.5	7	10	24
FTMV6M	M22 x 1.5	7	10	27

FTCEM SERIES DRAIN PLUG

SPECIFICATION

Tampered, Hardened alloy.
Permanent magnet insert of special alloy.
Available with metal washers only.

APPLICATION

For high tight sealing.
For high rpm machinery.



PART NO	THREADS	e	g	h	f	t	d
FTCEM0G	1/8"	5	5	4	8	3	14
FTCEM1G	1/4"	6	5	5	12	3	18
FTCEM2G	3/8"	8	5	5	12	3	22
FTCEM3G	1/2"	10	6	5	14	4	26
FTCEM4G	3/4"	12	10	6	16	4	32
FTCEM5G	1"	17	10	6	16	5	40
FTCEM6G	1,1/4"	22	15	10	16	5	49
FTCEM7G	1,1/2"	24	15	10	16	5	55
FTCEM8G	2"	32	15	15	20	5	68
FTCEM0M	M10 x 1	5	5	4	8	3	14
FTCEM1M	M12 x 1,5	6	5	4	12	3	17
FTCEM2M	M14 x 1,5	6	5	5	12	3	19
FTCEM3M	M16 x 1,5	8	5	5	12	3	21
FTCEM4M	M18 x 1,5	8	6	5	12	3	23
FTCEM5M	M20 x 1,5	10	6	5	14	4	25
FTCEM6M	M22 x 1,5	10	6	5	14	4	27
FTCEM7M	M24 x 1,5	12	6	5	14	4	29
FTCEM8M	M24 x 2	12	6	5	14	4	29
FTCEM9M	M26 x 1,5	12	10	6	16	4	32
FTCEM10M	M27 x 2	12	10	6	16	4	32
FTCEM11M	M30 x 1,5	17	10	6	16	4	36
FTCEM12M	M30 x 2	17	10	6	16	4	36
FTCEM13M	M33 x 2	17	10	6	16	5	40

FTSC/F SERIES DRAIN PLUG

SPECIFICATION

Threaded plug with Flanged head for extra tight tightening.
Head milling produces crown for extra tight sealing.

APPLICATION

For application requiring extra tight sealing.
For use in dusty environment and hydraulic units.
Resistance to twisting and overheated atmosphere.



PART NO	THREADS	d	t	f	e
FTC/F0G	1/8"	14	7	8	10
FTC/F1G	1/4"	20	8	8	17
FTC/F2G	3/8"	22	8	9	18
FTC/F3G	1/2"	28	9	11	22
FTC/F4G	3/4"	32	10,5	12	27
FTC/F5G	1"	40	10,5	12,5	34
FTC/F0M	M10 x 1	14	7	8	10
FTC/F1M	M14 x 1,5	20	8	8	17
FTC/F2M	M16 x 1,5	22	8	9	18
FTC/F3M	M18 x 1,5	26	8	9	20
FTC/F4M	M20 x 1,5	28	9	10	22
FTC/F5M	M22 x 1,5	28	9	11	22

FTSCM/F SERIES DRAIN PLUG

SPECIFICATION

Tampered, Hardened alloy.
Head milling produces crown with greater sealing area.
Permanent magnet insert of special alloy.
Available with metal washers only.



APPLICATION

For high tight sealing.
For high rpm machinery.

PART NO	THREADS	e	g	h	f	t	d
FTSCM/F0G	1/8"	10	5	4	8	8	14
FTSCM/F1G	1/4"	14	5	4	8	8	18
FTSCM/F2G	3/8"	18	5	5	9	8	22
FTSCM/F3G	1/2"	22	6	6	11	9	28
FTSCM/F4G	3/4"	27	10	6	12	10.5	32
FTSCM/F5G	1"	34	10	7	14	10.5	40
FTSCM/F0M	M10 x 1	10	5	4	8	8	14
FTSCM/F1M	M14 x 1.5	14	5	4	8	8	18
FTSCM/F2M	M16 x 1.5	18	5	5	9	8	22
FTSCM/F3M	M18 x 1.5	18	5	5	9	9	24
FTSCM/F4M	M20 x 1.5	20	6	6	10	9	26
FTSCM/F5M	M22 x 1.5	22	6	6	11	9	28
FTSCM/F6M	M24 x 2	24	8	6	12	9	30
FTSCM/F7M	M30 x 2	30	10	6	12	10.5	38
FTSCM/F8M	M33 x 2	34	10	7	14	10.5	40

FTSCM SERIES DRAIN PLUG

SPECIFICATION

Tampered, Hardened alloy.
Permanent magnet insert of special alloy.
Available with metal washers only.



APPLICATION

For high tight sealing.
For high rpm machinery.

PART NO	THREADS	e	g	h	f	t
FTSCM0G	1/8"	14	5	6	8	5
FTSCM1G	1/4"	17	5	6	8	6
FTSCM2G	3/8"	22	6	6	10	7
FTSCM3G	1/2"	27	8	8	10	7
FTSCM4G	3/4"	32	10	10	12	8
FTSCM5G	1"	40	15	15	14	8
FTSCM6G	1.1/4"	50	15	15	15	10
FTSCM7G	1.1/2"	55	15	15	15	10
FTSCM8G	2"	70	15	15	17	12
FTSCM0M	M10 x 1	14	5	6	8	5
FTSCM1M	M12 x 1.5	17	5	6	8	6
FTSCM2M	M14 x 1.5	17	5	6	8	6
FTSCM3M	M16 x 1.5	22	6	6	10	7
FTSCM4M	M18 x 1.5	22	6	6	10	7
FTSCM5M	M20 x 1.5	24	8	8	10	7
FTSCM6M	M22 x 1.5	27	8	8	10	7
FTSCM7M	M24 x 2	30	10	10	12	8
FTSCM8M	M30 x 2	36	10	10	12	8
FTSCM9M	M33 x 2	40	15	15	14	8
FTSCM10M	M42 x 3	50	15	15	15	10
FTSCM11M	M48 x 3	55	15	15	15	10
FTSCM12M	M60 x 4	70	15	15	17	12

FTC/Z SERIES DRAIN PLUG

SPECIFICATION

Knurled Head for hand tightening.

APPLICATION

For use only on upper crankcase and away from moving parts.
For application requiring less tight fitting.



PART NO	THREADS	h	f	d
FTC/Z0G	1/8"	12	8	20
FTC/Z1G	1/4"	12	8	22
FTC/Z2G	3/8"	12	10	26
FTC/Z3G	1/2"	15	10	30
FTC/Z4G	3/4"	20	12	40
FTC/Z5G	1"	20	14	45
FTC/Z6G	1.1/4"	20	15	55
FTC/Z7G	1.1/2"	20	15	55
FTC/Z8G	2"	20	17	70
FTC/Z0M	M10 x 1	12	8	20
FTC/Z1M	M14 x 1.5	12	8	22
FTC/Z2M	M16 x 1.5	12	10	26
FTC/Z3M	M18 x 1.5	12	10	26
FTC/Z4M	M20 x 1.5	15	10	30
FTC/Z5M	M22 x 1.5	15	10	30
FTC/Z6M	M24 x 2	15	12	36
FTC/Z7M	M30 x 2	20	12	42
FTC/Z8M	M33 x 2	20	14	45

FTCE SERIES DRAIN PLUG

SPECIFICATION

Socket head for extra tightening.
Tempered, Hardened light alloy.
Available with metal washer only.

APPLICATION

For application requiring extra tight sealing.
For use in dusty environment and hydraulic units.



PART NO	THREADS	d	t	f	e
FTCE0G	1/8"	14	3	8	5
FTCE1G	1/4"	18	3	12	6
FTCE2G	3/8"	22	3	12	8
FTCE3G	1/2"	26	4	14	10
FTCE4G	3/4"	32	4	16	12
FTCE5G	1"	40	5	16	17
FTCE6G	1.1/4"	49	5	16	22
FTCE7G	1.1/2"	55	5	16	24
FTCE8G	2"	68	5	20	32
FTCE0M	M10 x 1	14	3	8	5
FTCE1M	M12 x 1.5	17	3	12	6
FTCE2M	M14 x 1.5	19	3	12	6
FTCE3M	M16 x 1.5	21	3	12	8
FTCE4M	M18 x 1.5	23	3	12	8
FTCE5M	M20 x 1.5	25	4	14	10
FTCE6M	M22 x 1.5	27	4	14	10
FTCE7M	M24 x 1.5	29	4	14	12
FTCE8M	M24 x 2	29	4	14	12
FTCE9M	M26 x 1.5	32	4	16	12
FTCE10M	M27 x 2	32	4	16	12
FTCE11M	M30 x 1.5	36	4	16	17
FTCE12M	M30 x 2	36	4	16	17
FTCE13M	M33 x 2	40	5	16	17

FTC SERIES DRAIN PLUG

SPECIFICATION

Hex head for tight sealing.
Maximum resistance for twisting and overheating.

APPLICATION

For application requiring extra tight fitting.
For all general purpose sealing.



PART NO	THREADS	t	f	e
FTC0G	1/8"	5	8	14
FTC1G	1/4"	6	8	17
FTC2G	3/8"	7	10	22
FTC3G	1/2"	7	10	27
FTC4G	3/4"	8	12	32
FTC5G	1"	8	14	40
FTC6G	1.1/4"	10	15	50
FTC7G	1.1/2"	10	15	55
FTC8G	2"	12	17	70
FTC0M	M10 x 1	5	8	14
FTC1M	M14 x 1.5	6	8	17
FTC2M	M16 x 1.5	7	10	22
FTC3M	M18 x 1.5	7	10	22
FTC4M	M20 x 1.5	7	10	24
FTC5M	M22 x 1.5	7	10	27
FTC6M	M24 x 2	8	12	30
FTC7M	M26 x 1.5	8	12	32
FTC8M	M30 x 2	8	12	36
FTC9M	M33 x 2	8	14	40
FTC10M	M42 x 3	10	15	50
FTC11M	M48 x 3	10	15	55
FTC12M	M60 x 4	12	17	70

FTSC SERIES DRAIN PLUG

SPECIFICATION

Hex head for tight sealing.
Maximum resistance for twisting and overheating.

APPLICATION

For application requiring extra tight fitting.
For all general purpose sealing.



PART NO	THREADS	t	f	e
FTSC0G	1/8"	5	8	14
FTSC1G	1/4"	6	8	17
FTSC2G	3/8"	7	10	22
FTSC3G	1/2"	7	10	27
FTSC4G	3/4"	8	12	32
FTSC5G	1"	8	14	40
FTSC6G	1.1/4"	10	15	50
FTSC7G	1.1/2"	10	15	55
FTSC8G	2"	12	17	70
FTSC0M	M10 x 1	5	8	14
FTSC1M	M14 x 1.5	6	8	17
FTSC2M	M16 x 1.5	7	10	22
FTSC3M	M18 x 1.5	7	10	22
FTSC4M	M20 x 1.5	7	10	24
FTSC5M	M22 x 1.5	7	10	27
FTSC6M	M24 x 2	8	12	30
FTSC7M	M26 x 1.5	8	12	32
FTSC8M	M30 x 2	8	12	36
FTSC9M	M33 x 2	8	14	40
FTSC10M	M42 x 3	10	15	50
FTSC11M	M48 x 3	10	15	55
FTSC12M	M60 x 4	12	17	70