

FTCF/Z SERIES BREATHER PLUG

SPECIFICATION

Threaded plug with knurled round head for hand tightening.
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	h	f	d
FTCF/Z0G	1/8"	12	8	20
FTCF/Z1G	1/4"	12	8	22
FTCF/Z2G	3/8"	12	10	26
FTCF/Z3G	1/2"	15	10	30
FTCF/Z4G	3/4"	20	12	40
FTCF/Z5G	1"	20	14	45
FTCF/Z6G	1.1/4"	20	15	55
FTCF/Z7G	1.1/2"	20	15	55
FTCF/Z8G	2"	20	17	70
FTCF/Z0M	M10 x 1	12	8	20
FTCF/Z1M	M14 x 1.5	12	8	22
FTCF/Z2M	M16 x 1.5	12	10	26
FTCF/Z3M	M18 x 1.5	12	10	26
FTCF/Z4M	M20 x 1.5	15	10	30
FTCF/Z5M	M22 x 1.5	15	10	30
FTCF/Z6M	M24 x 2	15	12	36
FTCF/Z7M	M30 x 2	20	12	42
FTCF/Z8M	M33 x 2	20	14	45

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SPECIFICATION

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	t	f	e
FTCF0G	1/8"	5	8	14
FTCF1G	1/4"	6	8	17
FTCF2G	3/8"	7	10	22
FTCF3G	1/2"	7	10	27
FTCF4G	3/4"	8	12	32
FTCF5G	1"	8	14	40
FTCF6G	1.1/4"	10	15	50
FTCF7G	1.1/2"	10	15	55
FTCF8G	2"	12	17	70
FTCF0M	M10 x 1	5	8	14
FTCF1M	M14 x 1.5	6	8	17
FTCF2M	M16 x 1.5	7	10	22
FTCF3M	M18 x 1.5	7	10	22
FTCF4M	M20 x 1.5	7	10	24
FTCF5M	M22 x 1.5	7	10	27
FTCF6M	M24 x 2	8	12	30
FTCF7M	M26 x 1.5	8	12	32
FTCF8M	M30 x 2	8	12	36
FTCF9M	M33 x 2	8	14	40
FTCF10M	M42 x 3	10	15	50
FTCF11M	M48 x 3	10	15	55
FTCF12M	M60 x 4	12	17	70

FTCFS SERIES BREATHER PLUG

SPECIFICATION

Hex head and spherical bronze filter.
Filtration of 40 microns.

APPLICATION

For use only on upper crankcase and away from moving parts.
For application running in dusty environment and very small clearance.



DIMENSIONS:

PART NO	THREADS	t	f	e
FTCS1G	1/4"	6	8	17
FTCS2G	3/8"	7	9	22
FTCS3G	1/2"	7	12	27
FTCS4G	3/4"	8	14	32
FTCS5G	1"	8	16	40
FTCF1M	M14 x 1.5	6	8	17
FTCF2M	M16 x 1.5	7	9	22
FTCF3M	M18 x 1.5	7	9	22
FTCF4M	M20 x 1.5	7	12	24
FTCF5M	M22 x 1.5	7	12	27

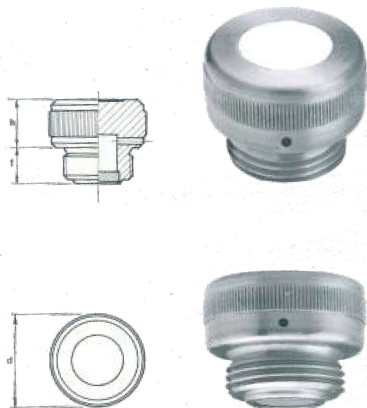
FTCSF/Z SERIES BREATHER PLUG

SPECIFICATION

Threaded plug with knurled round head for hand tightening.
Spherical bronze filter.
Filtration of 40 microns.

APPLICATION

For use only on upper crankcase and away from moving parts.
For application requiring normal tight sealing.
For use in dusty environment and hydraulic units.



DIMENSIONS:

PART NO	THREADS	h	f	d
FTCSF/Z1G	1/4"	12	8	22
FTCSF/Z2G	3/8"	12	10	26
FTCSF/Z3G	1/2"	15	12	30
FTCSF/Z4G	3/4"	20	13.5	40
FTCSF/Z5G	1"	20	14	45
FTCSF/Z6G	1.1/4"	20	16	55
FTCSF/Z7G	1.1/2"	20	16	55
FTCSF/Z8G	2"	20	17	70
FTCSF/Z1M	M14 x 1.5	12	8	22
FTCSF/Z2M	M16 x 1.5	12	10	26
FTCSF/Z3M	M18 x 1.5	12	10	26
FTCSF/Z4M	M20 x 1.5	15	12	30
FTCSF/Z5M	M22 x 1.5	15	12	30
FTCSF/Z6M	M24 x 2	15	13.5	36
FTCSF/Z7M	M30 x 2	20	14	42
FTCSF/Z8M	M33 x 2	20	14	45

FTSFO/R SERIES BREATHER PLUG

SPECIFICATION

Galvanized steel cover.
Large internal chamber with o-ring.

APPLICATION

For use only on upper crankcase and away from moving parts.
For use in agricultural and earth moving m/c.
For use where strong sloshing of fluids.

DIMENSIONS:



PART NO	THREADS	d	h	f	e
FTSFO/R0G	1/8"	21	21	8	17
FTSFO/R1G	1/4"	21	21	8	17
FTSFO/R2G	3/8"	24	23	9	20
FTSFO/R3G	1/2"	30	26	10	27
FTSFO/R4G	3/4"	30	24	12	32
FTSFO/R5G	1"	38	29	14	40
FTSFO/R0M	M10 x 1	21	21	8	17
FTSFO/R1M	M14 x 1.5	21	21	8	17
FTSFO/R2M	M16 x 1.5	24	23	9	20
FTSFO/R3M	M18 x 1.5	30	26	10	27
FTSFO/R4M	M20 x 1.5	30	26	10	27
FTSFO/R5M	M22 x 1.5	30	26	10	27

FTSS SERIES BREATHER PLUG

SPECIFICATION

Galvanized steel cover.
Large internal chamber with o-ring.
Pressure valve set at 0.05 to 0.10 bar.

APPLICATION

For use only on upper crankcase and away from moving parts.
For application requiring normal tight sealing.
For use in speed shift gears, agricultural over gears and speed reduction gear boxes..

DIMENSIONS:



PART NO	THREADS	d	h	f	e
FTSS0G	1/8"	16.5	16	8	14
FTSS1G	1/4"	16.5	17	9	17
FTSS2G	3/8"	22	19	11	22
FTSS3G	1/2"	26	20	11	27
FTSS4G	3/4"	30	24	12	32
FTSS5G	1"	38	29	14	40
FTSS0M	M10 x 1	16.5	16	8	14
FTSS1M	M14 x 1.5	16.5	17	9	17
FTSS2M	M16 x 1.5	22	19	11	22
FTSS3M	M18 x 1.5	22	19	11	22
FTSS4M	M20 x 1.5	24	20	11	24
FTSS5M	M22 x 1.5	26	20	11	27
FTSS6M	M24 x 2	30	24	12	30
FTSS7M	M30 x 2	30	25	14	36
FTSS8M	M33 x 2	38	29	14	40

FTSF SERIES BREATHER PLUG

SPECIFICATION

Galvanized steel cover.
Large internal chamber with o-ring.
Spherical bronze filter of 40 microns filtration.

APPLICATION

For use only on upper crankcase and away from moving parts.
For use in dusty environment and hydraulic units and cylinders.



PART NO	THREADS	d	h	f	e
FTSF1G	1/4"	16,5	17	8	17
FTSF2G	3/8"	22	19	10	22
FTSF3G	1/2"	26	21	12	27
FTSF4G	3/4"	30	24	14	32
FTSF5G	1"	38	29	16	40
FTSF6G	1.1/4"	50	33	16	50
FTSF7G	1.1/2"	55	35	16	55
FTSF8G	2"	70	40	16	70
FTSF1M	M14 x 1,5	16,5	17	8	17
FTSF2M	M16 x 1,5	22	19	10	22
FTSF3M	M18 x 1,5	22	19	10	22
FTSF4M	M20 x 1,5	24	21	12	24
FTSF5M	M22 x 1,5	26	21	12	27
FTSF6M	M24 x 2	30	24	12	30
FTSF7M	M30 x 2	30	25	14	36
FTSF8M	M33 x 2	38	29	16	40
FTSF9M	M42 x 3	50	33	16	50
FTSF10M	M48 x 3	55	35	16	55
FTSF11M	M60 x 4	70	40	16	70

FTSFA SERIES BREATHER PLUG

SPECIFICATION

Galvanized steel cover.
Large internal chamber with o-ring.
Spherical bronze filter of 40 microns filtration.

APPLICATION

For use only on upper crankcase and away from moving parts.
For application requiring normal tight sealing.
For use in motor fields.



DIMENSIONS:

PART NO	THREADS	d	h	f	e
FTSFA0G	1/8"	16,5	16	8	14
FTSFA1G	1/4"	16,5	17	8	17
FTSFA2G	3/8"	22	19	11	22
FTSFA3G	1/2"	26	20	11	27
FTSFA4G	3/4"	30	24	12	32
FTSFA5G	1"	38	29	14	40
FTSFA0M	M10 x 1	16,5	16	8	14
FTSFA1M	M12 x 1,5	16,5	17	8	17
FTSFA2M	M14 x 1,5	16,5	17	8	17
FTSFA3M	M16 x 1,5	22	19	11	22
FTSFA4M	M18 x 1,5	22	19	11	22
FTSFA5M	M20 x 1,5	24	20	11	24
FTSFA6M	M22 x 1,5	26	20	11	27
FTSFA7M	M24 x 1,5	30	24	12	30
FTSFA8M	M26 x 1,5	30	24	12	32
FTSFA9M	M30 x 1,5	30	25	14	36

FTSFT/N SERIES BREATHER PLUG

SPECIFICATION

Galvanized steel cover.
Large internal chamber with labyrinth and perpendicular cut.
No oil spattering.



APPLICATION

For use only on upper crankcase and away from moving parts.
For use in dusty environment and reduction gears, geared motors, speed variators and gearshift boxes.

PART NO	THREADS	d	h	f	e
FTSFT/N1G	1/4"	16.5	23	8	17
FTSFT/N2G	3/8"	22	29	9	22
FTSFT/N3G	1/2"	26	29	10	27
FTSFT/N4G	3/4"	30	35	12	32
FTSFT/N5G	1"	38	43	14	40
FTSFT/N6G	1.1/4"	50	45	15	50
FTSFT/N7G	1.1/2"	55	46	15	55
FTSFT/N8G	2"	70	46	17	70
FTSFT/N1M	M14 x 1.5	16.5	23	8	17
FTSFT/N2M	M16 x 1.5	22	29	9	22
FTSFT/N3M	M18 x 1.5	22	29	9	22
FTSFT/N4M	M20 x 1.5	24	29	10	24
FTSFT/N5M	M22 x 1.5	26	29	10	27
FTSFT/N6M	M24 x 2	30	35	12	30
FTSFT/N7M	M30 x 2	30	42	12	36
FTSFT/N8M	M33 x 2	38	43	14	40
FTSFT/N9M	M42 x 3	50	45	15	50
FTSFT/N10M	M48 x 3	55	46	15	55
FTSFT/N11M	M60 x 4	70	46	17	70

FTC/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