



DUNLOP GEOMAX MOUSSE – The Solution to prevent punctures for off-road riding.

Dunlop Geomax Mousse is a reliable off-road solution for Enduro, Motocross and Rally that completely eliminates the risk of tyre punctures.

Designed for riders who demand maximum reliability and traction in challenging terrain, this professional system replaces the traditional inner tube with a special elastomer foam insert inside the tyre.

The Geomax Mousse ensures consistent pressure, superior grip, and dependable performance in extreme conditions—making it ideal for Enduro, Rally and Motocross. Once fitted, a standard mousse insert simulates an inflation pressure of approximately 0.8 – 1.2 bar (new mousse and tyre), which is significantly lower than the pressure recommended for on-road use.

BENEFITS

Absolute peace of mind – no risk of flats or pressure loss.

Enhanced traction and handling – Superior performance on mud, rocks, and sand, maximizing the capabilities of Dunlop off-road tyres.

Versatility – Available in different sizes for both front and rear wheels, for different applications.

Durability and reliability – Long service life when properly lubricated and maintained.

European Production – Manufactured in Europe to ensure shorter delivery times and increased shelf life between production and usage.

CAUTION

- 1) Geomax Mousse was developed for use in Dunlop tyres. Compatibility with tyres of other brands cannot be warranted.
- 2) Be sure to use bead stoppers (rim lock) when using Geomax mousse. (1 for the front, preferably 2 at the rear)
- 3) Mousse is intended for off-road competition use only. Do not use on public roads.
- 4) Excessive load and sustained speeds above 130 km/h will cause overheating and premature degradation of the mousse and possible also tyres, resulting in potential loss of control.
- 5) Average mousse service life is 3 hours in competition usage. When re-using mousse in another tyre, make sure it has not been damaged. Actual service life varies depending on the riding conditions.
- 6) For optimum performance we recommended using your Geomax Mousse within 6 months after its production date.
- 7) Geomax Mousse is meant to be used within 12 months after production. Beyond this timeframe, performance, handling and safety will be impacted due to normal shrinkage of the foam.

GEOMAX MOUSSE - USER RECOMMENDATIONS



NOTES:

- 1) Where a mousse range is shown, mousse age, rider preference, bike set-up and track conditions will determine the best choice.
- 2) Bear in mind that mousse shrinks with time and use.
- 3) A recently produced 'default' size mousse may be too hard at first, but will reduce in volume with increasing mileage/heat cycles. Service life will be longer. For leisure riders, we always recommend the default mousse.
- 4) When using a smaller size mousse than recommended for better outright performance, service life will be far shorter, possibly just one or two heats.

The correct maintenance, care and handling of your Geomax Mousse is essential for maximising its durability and performance. The use of heat-resistant compounds ensures optimum performance paired to extended service life. Geomax Mousse provides excellent performance out of the box, without requiring break-or or mechanical modifications.

External heat sources may negatively impact the performance of your Geomax Mousse. Avoid direct exposure to sunlight over an extended period of time. Keep the mousse stored in its packaging until mounting. When in use, friction between the mousse insert and the tyre inners generates heat. The gel supplied together with the mousse serves to reduce this friction, so make sure to apply it correctly and evenly spread over the mousse's surface.

The amount of gel supplied in the mousse packaging suffices for the initial fitting of your Geomax Mousse. Avoid applying too much gel, and avoid any gel being applied in the bead area as this may lead to the tyre spinning on the rim.

We recommend to regularly inspect your Geomax Mousse for cracks or any other damage caused by overheating, in particular when riding in dry sandy terrain. Lubrification is still sufficient when a moist gel film is visible on the mousse surface. If needed, apply new lubricant when re-installing. A dry mousse indicates that the mousse was subject to overheating, leading to cracking or even disintegration of the foam.

INSTALLATION

Fitting a mousse requires special tooling and can be a challenging process, requiring training, skill, and strength. To avoid damage or any physical injury when installing, and to ensure safe operation we strongly recommend to consult a specialist for installation. Dunlop will not accept any liability for incorrect use or installation.

Motocross and Supercross racing

At high ambient temperatures (30°C and up) it is recommended to remove the mousse from the tyre for inspection after approximately 1 hour of hard riding. Check for any damage and reapply lubricant if required. Ideally, keep the mousse in its plastic bag and store horizontally until needed again, to ensure maintaining its original shape and avoiding deformation. Do not seal or close the bag to allow breathing!

Enduro / Hard Enduro / Extreme Enduro racing

At high ambient temperatures (30°C and up) it is recommended to remove the mousse from the tyre for inspection after approximately 8 hours of hard riding. Check for any damage and reapply lubricant if required. Ideally, keep the mousse in its plastic bag and store horizontally until needed again, to ensure maintaining its original shape and avoiding deformation. Do not seal or close the bag to allow breathing!

Dunlop Geomax Mousse Gel

The gel lubricant is supplied in a small container inside together with any new mousse. Additionally, the lubricant can also be ordered separately in 0.5 and 5.0 kg containers.

GEOMAX MOUSSE RANGE OVERVIEW

GEOMAX
MOUSSE

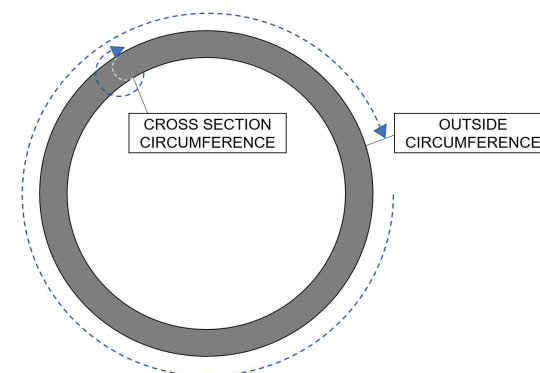
F/R	RIM	Type	SAP	Mousse section shape	cross section circumference mm	indicative pressure equivalent*	for tyre sizes
F/R	10	GX MOUSSE MC-10	712673	round	185-195	1.0 - 1.1	MX 60/100-10
F	12	GX MOUSSE MC-12F	712675	round	180-190	1.0 - 1.1	MX 60/100-12
	14	GX MOUSSE MC-14F	712676	round	170-175	0.8 - 0.9	MX 60/100-14
	17	GX MOUSSE MC-17F	712679	round	180-190	1.0 - 1.1	MX 70/100-17
	19	GX MOUSSE MC-19F	712684	round	205-215	1.0 - 1.1	MX 70/100-19
	21	GX MOUSSE MO-21M	712688	round	220-235	1.0 - 1.1	21" standard: 80/100-21, 90/90-21
	21	GX MOUSSE MO-21L	712689	round	240-245	1.2 - 1.5	21" large: 80/100-21, 90/100-21
R	12	GX MOUSSE MC-12R	712674	round	210-220	0.8 - 0.9	MX 80/100-12
	14	GX MOUSSE MC-14R	712677	round	245-250	0.8 - 0.9	MX 90/100-14
	16	GX MOUSSE MC-16R	712678	round	250-255	0.9 - 1.1	MX 90/100-16
	18	GX MOUSSE MO-18	712680	round	300-310	0.8 - 0.9	MX 110/100-18, Enduro 120/90-18
	18	GX MOUSSE ME-18MU	712682	round	325-330	0.5	Enduro 140/80-18 Ultra soft (EX)
	18	GX MOUSSE ME-18M	712681	round	320-330	0.8 - 0.9	Enduro 140/80-18 (EN91)
	18	GX MOUSSE ME-18L	712683	round	330-340	1.0 - 1.2	Rally 140/80-18, 150/70B18
	19	GX MOUSSE MC-19S	712685	round	265-275	0.8 - 0.9	MX 100/90-19
	19	GX MOUSSE MC-19M	712686	round	280-290	0.8 - 0.9	MX 110/90-19
	19	GX MOUSSE MC-19L	712687	round	295-305	0.8 - 0.9	MX 120/80-19, 120/90-19

* approximate values for new mousse / new tyre combination

Mounting lubricant	712773				0.5 kg container
	712774				5.0 kg container

Mousse type starting with:

- MC- mousse for motocross tyres
- ME- mousse for enduro tyres
- MO- mousse for both motocross and enduro tyres



GEOMAX MOUSSE SELECTION GUIDE BY TYRE SIZE



PATTERN	F/R	RIM	Size	L/S	TT/TL	Spec	SAP	Recommended rim width	Physical width	Overall diameter	Matching Geomax Mousse	Mousse SAP code
GEOMAX MX53	F	10	60/100 - 10	33J	TT	-	636580	1.50	67	386	GX MOUSSE MC-10	712673
GEOMAX MX34	F	10	60/100 - 10	33J	TT	-	640363	1.50	68	384	GX MOUSSE MC-10	712673
GEOMAX MX34	F	12	60/100 - 12	36J	TT	-	640364	1.50	67	435	GX MOUSSE MC-12F	712675
GEOMAX MX53	F	12	60/100 - 12	36J	TT	-	636581	1.50	68	438	GX MOUSSE MC-12F	712675
GEOMAX MX34	F	14	60/100 - 14	29M	TT	-	640365	1.40	71	483	GX MOUSSE MC-14F	712676
GEOMAX MX53	F	14	60/100 - 14	29M	TT	-	636582	1.40	72	491	GX MOUSSE MC-14F	712676
GEOMAX MX34	F	17	70/100 - 17	40M	TT	-	640367	1.40	82	589	GX MOUSSE MC-17F	712679
GEOMAX MX53	F	17	70/100 - 17	40M	TT	-	636584	1.40	85	590	GX MOUSSE MC-17F	712679
GEOMAX MX34	F	19	70/100 - 19	42M	TT	-	640368	1.40	81	638	GX MOUSSE MC-19F	712684
GEOMAX MX53	F	19	70/100 - 19	42M	TT	-	636585	1.40	83	643	GX MOUSSE MC-19F	712684
GEOMAX MX53	F	21	80/100 - 21	51M	TT	-	636587	1.60	89	711	GX MOUSSE MO-21M	712688
GEOMAX MX12	F	21	80/100 - 21	51M	TT	-	635895	1.60	90	710	GX MOUSSE MO-21M	712688
GEOMAX MX34	F	21	80/100 - 21	51M	TT	-	640370	1.60	91	710	GX MOUSSE MO-21M	712688
GEOMAX AT82F	F	21	80/100 - 21	51M	TT	-	640318	1.60	713	90	GX MOUSSE MO-21M	712688
D952	F	21	80/100 - 21	51M	TT	ECE 75R	637466	1.60	92	704	GX MOUSSE MO-21M	712688
GEOMAX EN91	F	21	90/90 - 21	54R	TT	-	636707	1.60	90	714	GX MOUSSE MO-21M	712688
D908 RALLY RAID	F	21	90/90 - 21	54S	TT	-	637475	1.60	94	708	GX MOUSSE MO-21L	712689
GEOMAX AT82F	F	21	90/100 - 21	57M	TT	-	640319	1.60	717	94	GX MOUSSE MO-21L	712689
GEOMAX MX14	R	10	70/100 - 10	41J	TT	-	637937	1.50	81	394	GX MOUSSE MC-10	712673
GEOMAX MX53	R	10	70/100 - 10	41J	TT	-	636583	1.50	81	398	GX MOUSSE MC-10	712673
GEOMAX MX34	R	10	70/100 - 10	41J	TT	-	640366	1.50	81	396	GX MOUSSE MC-10	712673
GEOMAX MX53	R	12	80/100 - 12	41M	TT	-	636586	1.60	93	471	GX MOUSSE MC-12R	712674
GEOMAX MX14	R	12	80/100 - 12	41M	TT	-	637938	1.60	93	467	GX MOUSSE MC-12R	712674
GEOMAX MX34	R	12	80/100 - 12	41M	TT	-	640369	1.60	93	472	GX MOUSSE MC-12R	712674
GEOMAX MX53	R	14	90/100 - 14	49M	TT	-	636588	1.60	103	544	GX MOUSSE MC-14R	712677

GEOMAX MOUSSE SELECTION GUIDE BY TYRE SIZE

GEOMAX
MOUSSE

PATTERN	F/R	RIM	Size	L/S	TT/TL	Spec	SAP	Recommended rim width	Physical width	Overall diameter	Matching Geomax Mousse	Mousse SAP code
GEOMAX MX14	R	14	90/100 - 14	49M	TT	-	637939	1.60	103	503	GX MOUSSE MC-14R	712677
GEOMAX MX34	R	14	90/100 - 14	49M	TT	-	640371	1.60	105	553	GX MOUSSE MC-14R	712677
GEOMAX MX14	R	16	90/100 - 16	51M	TT	-	637940	1.85	107	601	GX MOUSSE MC-16R	712678
GEOMAX MX53	R	16	90/100 - 16	51M	TT	-	636589	1.60	110	609	GX MOUSSE MC-16R	712678
GEOMAX MX34	R	16	90/100 - 16	51M	TT	-	640372	1.85	111	603	GX MOUSSE MC-16R	712678
GEOMAX MX53	R	18	100/100 - 18	59M	TT	-	636576	1.85	116	667	N/A	-
GEOMAX MX34	R	18	100/100 - 18	59M	TT	-	640326	1.85	116	673	N/A	-
D952	R	18	100/100 - 18	59M	TT	-	637163	1.85	115	672	N/A	-
D952	R	18	110/90 - 18	61M	TT	ECE 75R	637463	1.85	123	665	GX MOUSSE MO-18	712680
GEOMAX MX53	R	18	110/100 - 18	64M	TT	-	636578	2.15	126	693	GX MOUSSE MO-18	712680
GEOMAX MX34	R	18	110/100 - 18	64M	TT	-	640328	2.15	126	695	GX MOUSSE MO-18	712680
GEOMAX MX14	R	18	110/100 - 18	64M	TT	-	637934	2.15	127	695	GX MOUSSE MO-18	712680
GEOMAX AT82	R	18	110/100 - 18	64M	TT	-	640314	2.15	697	124	GX MOUSSE MO-18	712680
GEOMAX EN91	R	18	120/90 - 18	65R	TT	-	636705	2.15	117	683	GX MOUSSE MO-18	712680
GEOMAX MX53	R	18	120/90 - 18	65M	TT	-	636575	2.15	131	684	GX MOUSSE MO-18	712680
GEOMAX MX34	R	18	120/90 - 18	65M	TT	-	640331	2.15	131	683	GX MOUSSE MO-18	712680
GEOMAX AT82	R	18	120/90 - 18	65M	TT	-	640316	2.15	679	134	GX MOUSSE MO-18	712680
D952	R	18	120/90 - 18	65M	TT	ECE 75R	637465	2.15	131	684	GX MOUSSE MO-18	712680
GEOMAX EN91	R	18	140/80 - 18	70R	TT	-	636706	2.15	132	695	GX MOUSSE ME-18M	712681
GEOMAX EN91	R	18	140/80 - 18	70M	TT	EX	640356	2.15	135	700	GX MOUSSE ME-18MU	712682
D908 RALLY RAID	R	18	140/80 - 18	70R	TT	-	637473	3.50	148	692	GX MOUSSE ME-18L	712683
D908 RALLY RAID	R	18	150/70 B 18	70S	TT	-	637474	4.25	148	692	GX MOUSSE ME-18L	712683
GEOMAX MX34	R	19	100/90 - 19	57M	TT	-	640327	1.85	116	683	GX MOUSSE MC-19S	712685
GEOMAX MX53	R	19	100/90 - 19	57M	TT	-	636577	1.85	117	682	GX MOUSSE MC-19S	712685
GEOMAX MX14	R	19	100/90 - 19	57M	TT	-	637933	1.85	117	684	GX MOUSSE MC-19S	712685

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PATTERN	F/R	RIM	Size	L/S	TT/TL	Spec	SAP	Recommended rim width	Physical width	Overall diameter	Matching Geomax Mousse	Mousse SAP code
D952	R	19	100/90 - 19	57M	TT	-	626001	1.85	119	679	GX MOUSSE MC-19S	712685
GEOMAX MX14	R	19	110/90 - 19	62M	TT	-	637935	2.15	120	695	GX MOUSSE MC-19M	712686
GEOMAX MX53	R	19	110/90 - 19	62M	TT	-	636579	2.15	125	699	GX MOUSSE MC-19M	712686
GEOMAX MX34	R	19	110/90 - 19	62M	TT	-	640329	2.15	125	700	GX MOUSSE MC-19M	712686
GEOMAX AT82	R	19	110/90 - 19	62M	TT	-	640315	2.15	702	124	GX MOUSSE MC-19M	712686
D952	R	19	110/90 - 19	62M	TT	ECE 75R	637464	2.15	131	692	GX MOUSSE MC-19M	712686
GEOMAX MX14	R	19	120/80 - 19	63M	TT	-	637936	2.15	129	694	GX MOUSSE MC-19L	712687
GEOMAX MX34	R	19	120/80 - 19	63M	TT	-	640330	2.15	130	697	GX MOUSSE MC-19L	712687
GEOMAX MX53	R	19	120/80 - 19	63M	TT	-	636573	2.15	133	690	GX MOUSSE MC-19L	712687
GEOMAX MX34	R	19	120/90 - 19	66M	TT	-	640332	2.15	133	703	GX MOUSSE MC-19L	712687
GEOMAX MX53	R	19	120/90 - 19	66M	TT	-	636574	2.15	134	706	GX MOUSSE MC-19L	712687
GEOMAX AT82	R	19	120/90 - 19	66M	TT	-	640317	2.15	704	135	GX MOUSSE MC-19L	712687