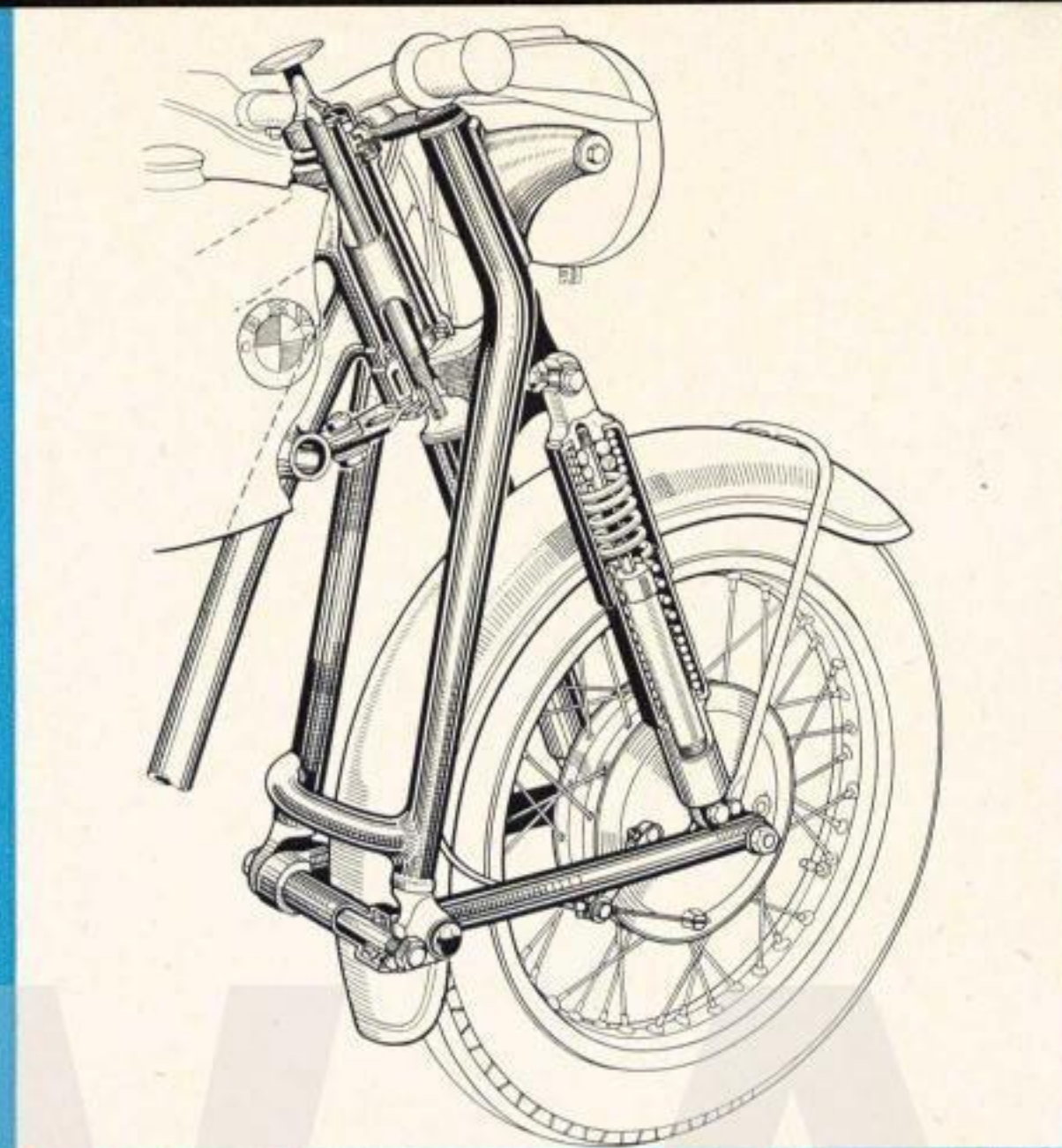




R 27

with "floating engine"



With the BMW R 27 a new era in the successful development of BMW's classic single-cylinder motorcycles has begun. The R 27 is the crowning achievement of 40 years of systematic research on one type of motorcycle.

Proof of progress is to be found not only in the increased output of 18 h.p. and a substantially higher torque, but above all in the new "floating engine."

The soft rubber seatings now used on the BMW R 27 are a new departure in the development of single-cylinder motorcycle engines. The engine rests on four inclined, highly elastic rubber seatings. A damping rubber cushion at the cylinder head and adjustable buffers at the front end of the crankshaft housing and at the gearbox limit and control vibration.

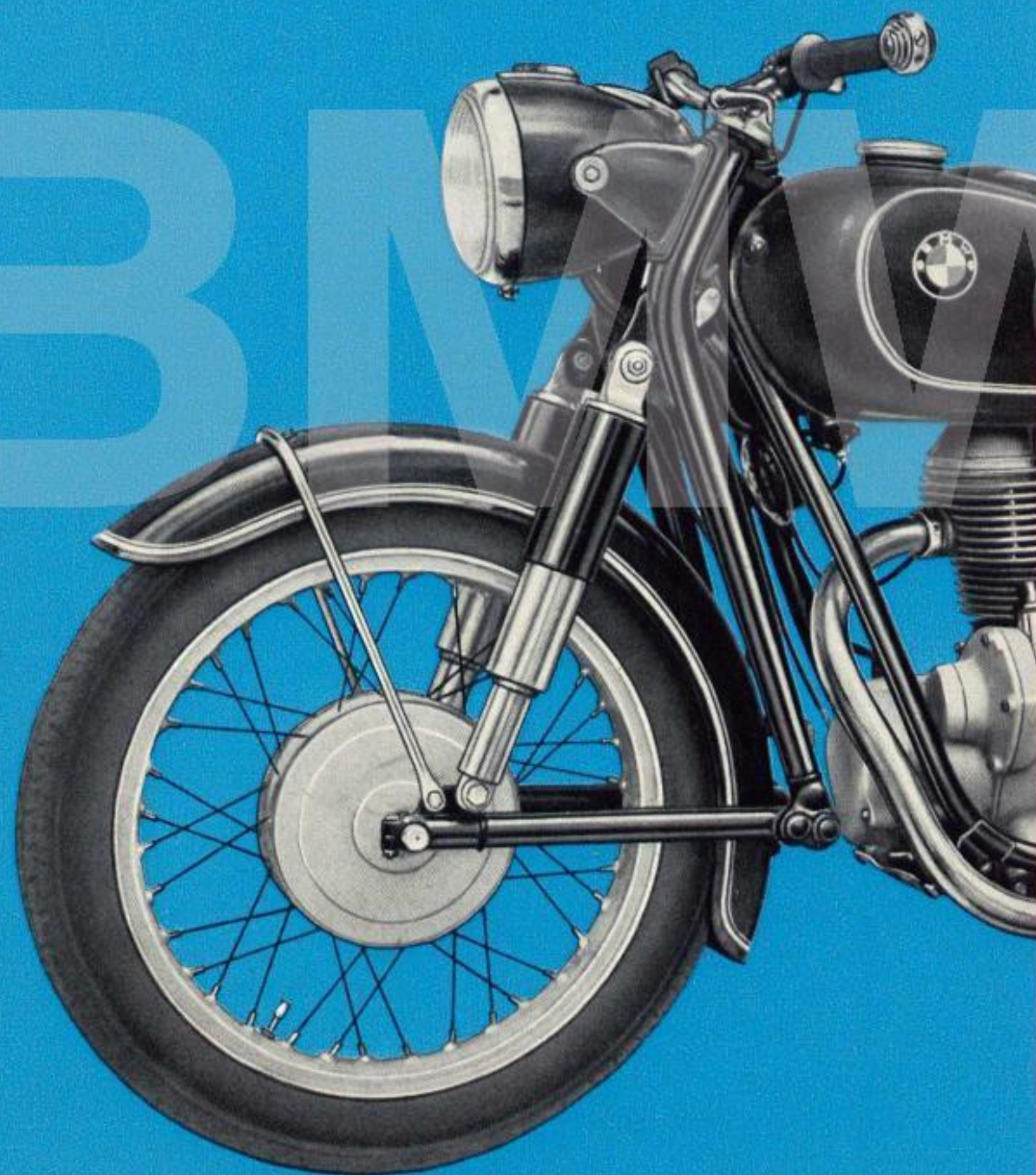
"Engine comfort", that is, smooth driving down to low speed without gear changing and rapid acceleration in all gears, has reached an all-time high as a result of the improved elasticity of the BMW R 27 engine.

Other new features of the BMW R 27 include an even further reduction of mechanical engine noise, low wear, minimum oil consumption, and prolonged life.

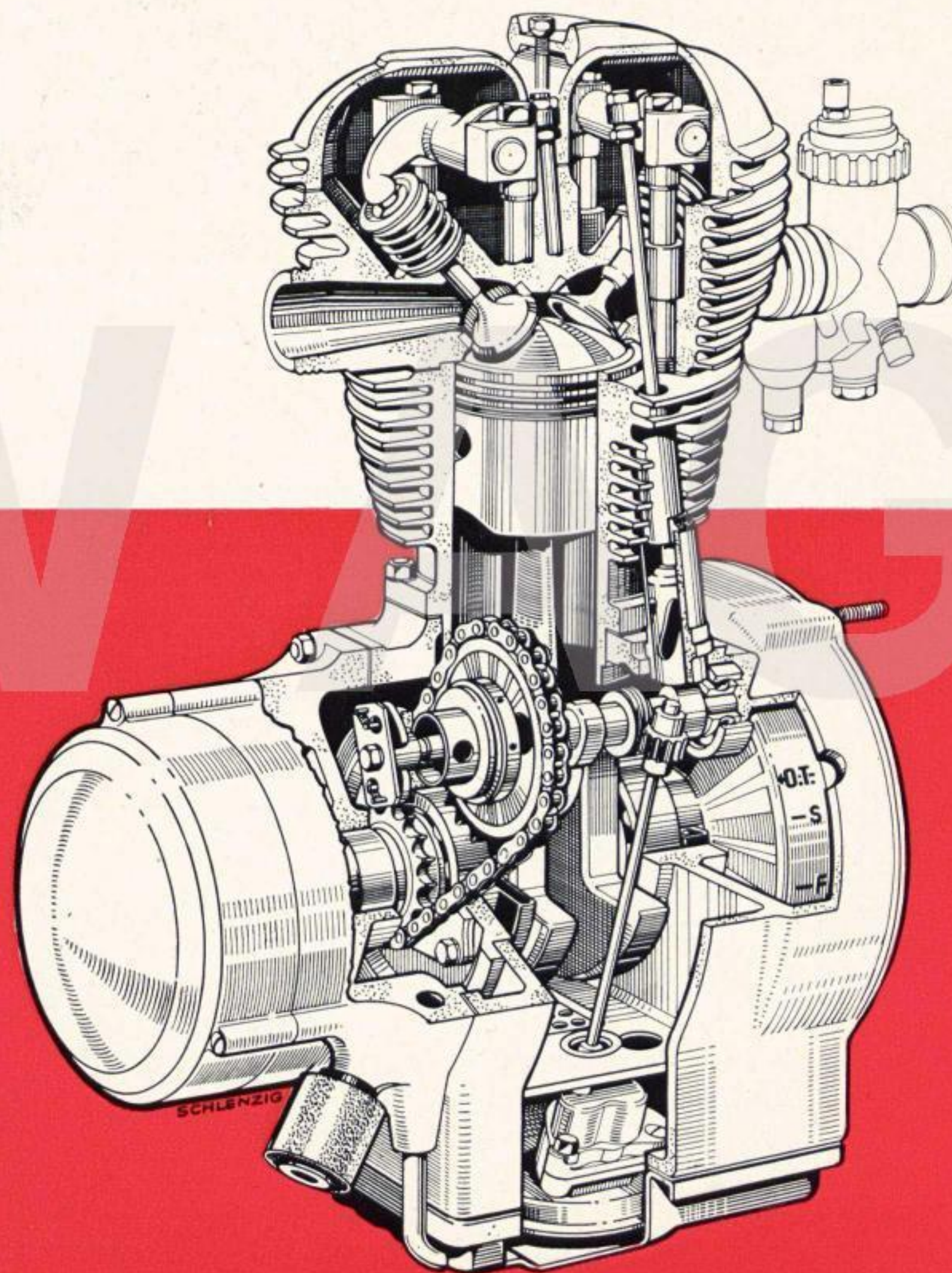
BMW has retained its time-tested basic design, its full swing-arm suspension and the principal features of its now rubber-seated "floating" engine, simultaneously improving roadability, safety, output and acceleration to a hitherto inconceivable degree.



R 2

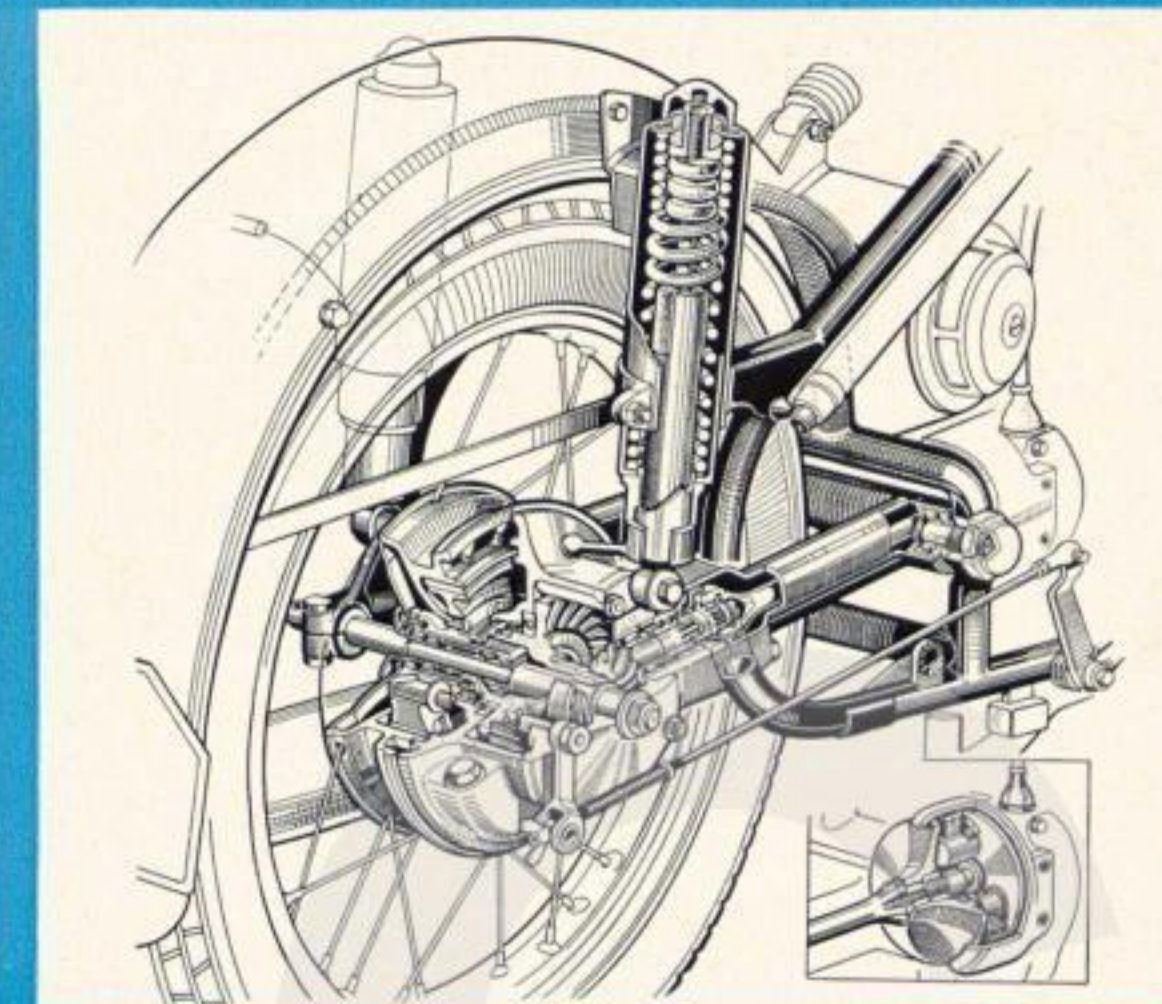
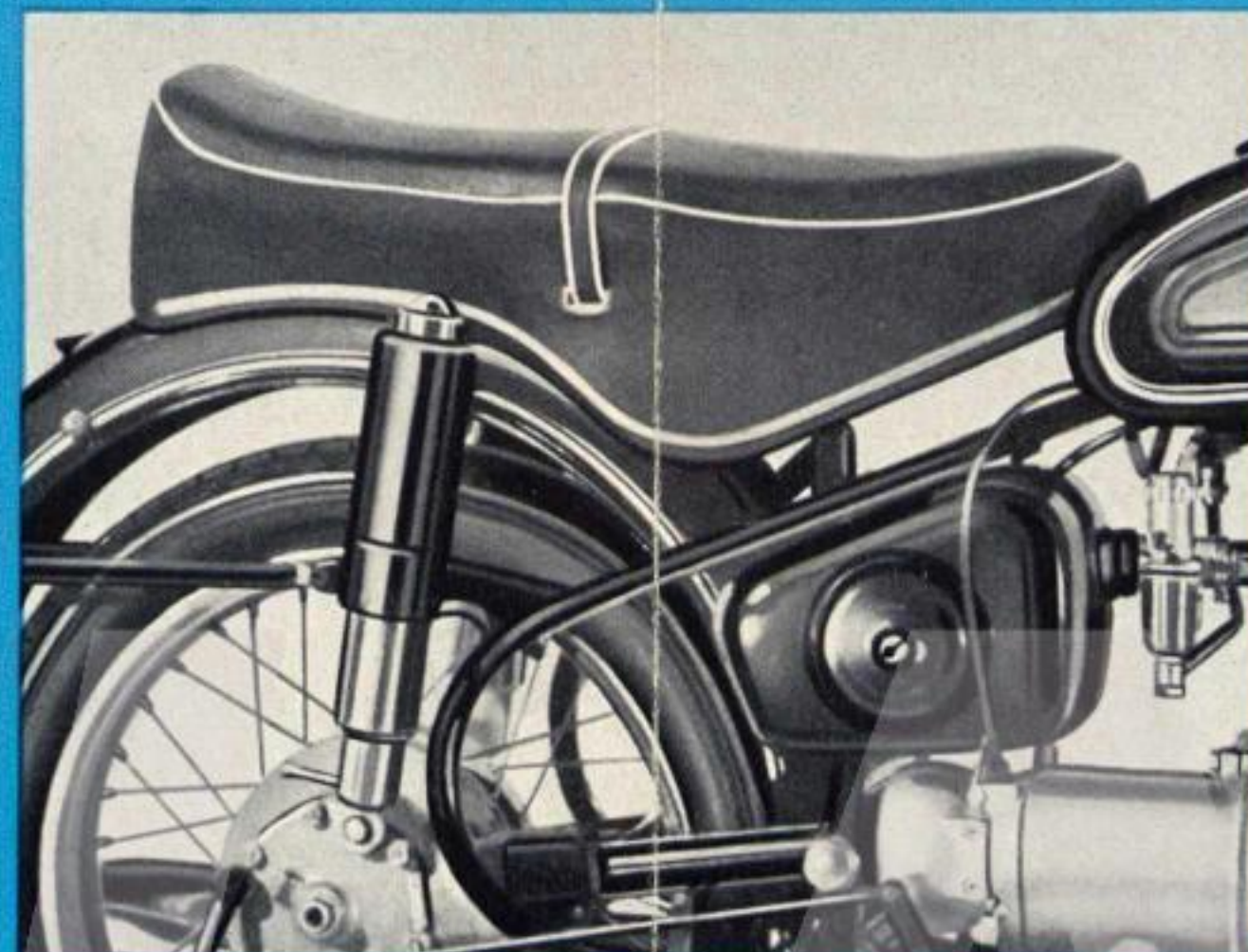
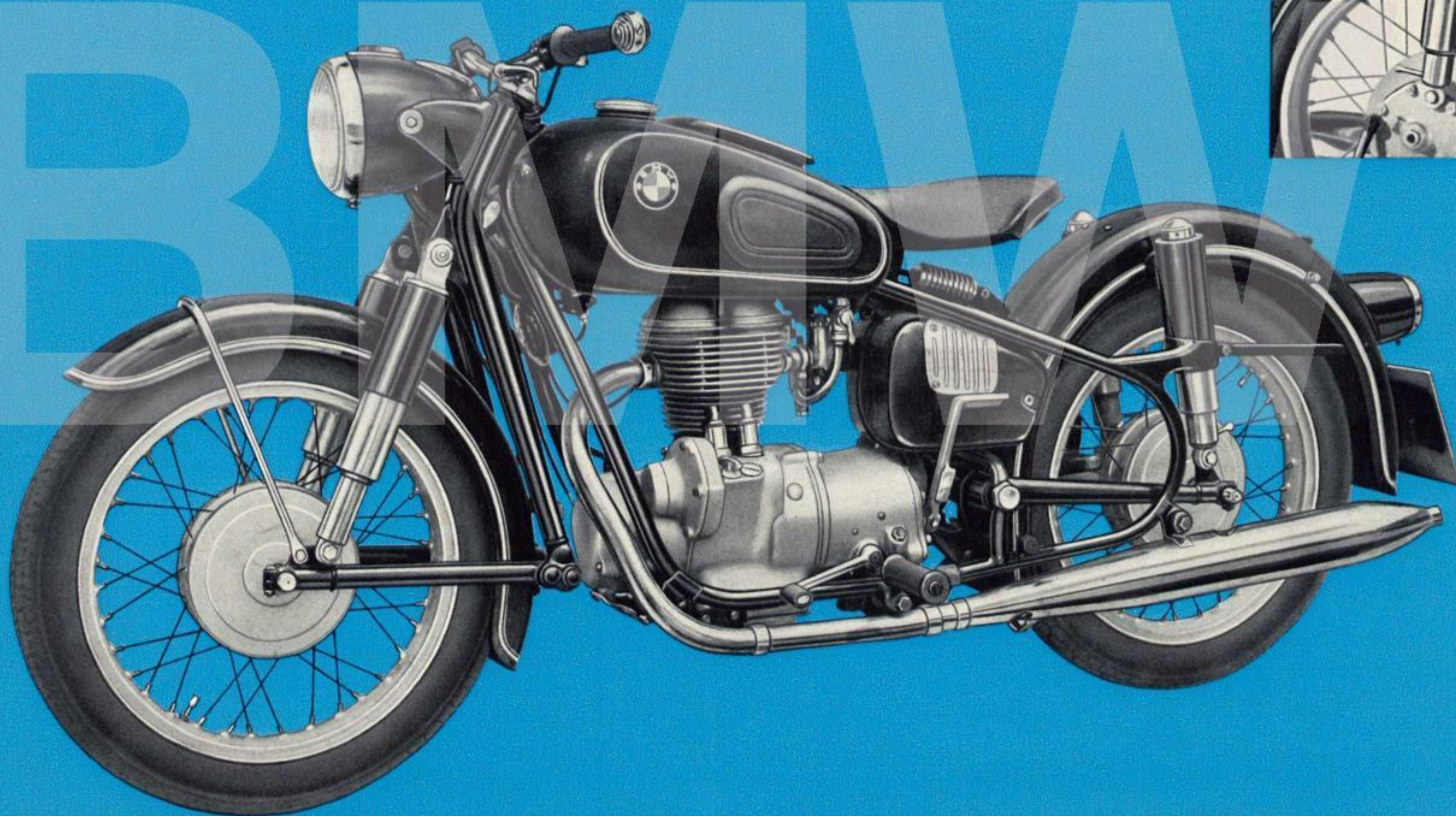


The BMW single-cylinder 4-stroke engine of the R 27,
the power unit that never fails.





R 27



The characteristic features of the BMW R 27 explained in brief:

Maximum road safety: The frame and suspension layout adapts elastically to any road conditions and ensures perfect steering stability. The large-diameter light-alloy full-hub brakes are highly effective.

Extraordinary riding comfort: The front and rear wheel swing arms with telescopic forks and double-action hydraulic shock absorbers take up any unevenness of the road surface.

Astounding performance: The 18 h.p. BMW single-cylinder four-stroke floating engine, the integral engine and four-speed gearbox block, and the unparalleled universal shaft drive housed in the right swing arm, give the R 27 all the characteristics of a fast touring and sports machine.

Racy elegance: The double steel tube frame, uncomplicated design and unsurpassed workmanship even in the minutest details have always been a distinctive feature of all BMW motorcycles.

BMW noiselessness: The increased BMW engine flexibility and the larger dimensioned intake and air filter chamber account for the exemplary, low noise level.

Technical titbits

Horsepower	18
No. of cylinders	1
Cylinder capacity	245 c.c.
Bore and stroke	68×68 mm.
Rev. per minute	7,400
Compression ratio	8.2:1
Lighting equipment	6 V./60-90 W.
Carburettor	Bing 1/26/68
Gear ratios	
First: 5.33:1	
Second: 3.02:1	
Third: 2.04:1	
Fourth: 1.54:1	
Reduction ratio gearbox-rear wheel	
solo	4.16:1
sidecar	5.2:1
Fuel tank capacity	No. of teeth 6/25
Miles per gallon	3½ Imp. gals. (4 U.S. gals.)
	54 (Imp. gal.)
	45 (U.S. gal.)
Maximum speed, solo	81 m.p.h.
Total weight	357 lbs.
Wheels and tyres	3.25×18
Handlebar width	26"
Overall length	82"
Saddle height	30"



**Bayerische
Motoren Werke AG
München**

In the interests of continuous engineering development we reserve the right to change specifications without notice.

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