

Weight of Safety helmets

One of the reasons for increased acceptance of safety helmets is the weight, kept as low as possible. Generally, our safety helmets are slightly heavier than the average helmet. It is often assumed a light safety helmet is better as it is more comfortable to wear. However, this is only half the truth as it would imply that all other factors, distinguishing a good safety helmet, are either the same by all manufacturers or these are not relevant. This is not true.

It is correct that the safety helmet should not exceed a certain weight. Safety helmets of polyethylene, which the wearer (hopefully) will be wearing all day, should not weight more than 400 g. If the helmet is to be worn for a few hours only, the weight may be as much as 500 g without it becoming a noticeable strain – provided it fits properly.

It is precisely this point which our safety helmets take up. It is important to us that the safety helmet fits the head perfectly. And all our models fulfil this criteria. The helmets sit low, i.e. they do not ride the head. Combined with the neckband drawn to the correct depth and special sweatband, our safety helmets not only fit comfortably but securely. The safety helmet will definitely not fall off when bending down or looking up.

A further criteria for using more material for our safety helmets is simply the increased safety function. An impact reducing test as per EN 397 has shown that our safety helmets transmit less than 50 % of the permissible force to the wearer.

Owing to the additional material used the substantial resistance of the safety helmets is simply greater. This is vital in the event of head accidents.

Another reason for the extra weight is the large inner width of approximately 20 cm of the INAP-Master and INAP-Defender helmets. The average head is approximately 16 cm wide. Despite the fitted foam cushion band this allows sufficient space for good ventilation which in turn is absolutely necessary for comfortable conditions inside the safety helmet.

In conclusion, a correct fit combined with excellent wearability and guaranteed safety reserves in a safety helmet is more important than a lighter weight.