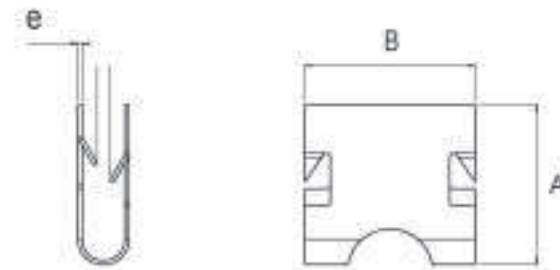


## SPECIAL FASTENERS

### Balance weights for rotating parts

#### Recommended use:

These fasteners allow to compensate the unbalance of rotating parts, e.g. fan blades.



WEIGHT (grs)	REFERENCE	e	A	B	P = PANEL THICKNESS
0.176	C 4795 02A	0.2	7.6	8	0.5 to 1.5
0.26	C 4769 02	0.2	7.7	12	0.5 to 1.5
0.264	C 4795 03	0.3	7.5	8	0.5 to 1.5
0.366	C 4796	0.4	7.5	8	0.5 to 1.5
0.37	C 4769 03	0.3	7.7	12	0.5 to 1.5
0.5	C 4769 04	0.4	7.7	12	0.5 to 1.5
0.7	C 4770	0.5	7.7	12	0.5 to 1.5
1	C 4771	0.4	7.5	22	0.5 to 1.5
1.5	C 4773	0.6	7.5	22	0.5 to 1.5

#### Recommended assembly method:

1. Clip the weight to the relevant part manually or with the aid of a simple tool.
2. Once in position, the weight is self-retaining.



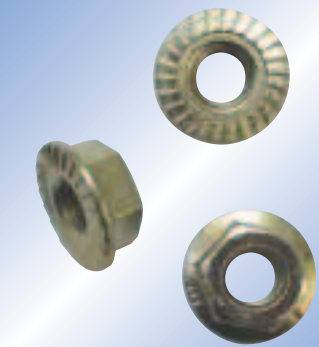
	FASTENER
<b>MATERIAL</b>	Treated spring steel
<b>SURFACE</b>	Phosphating
<b>TREATMENT</b>	
<b>COLOUR</b>	Black paint

## SPECIAL NUTS

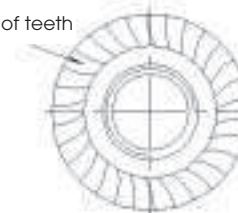
### Nuts with toothed flange

#### Recommended use:

These nuts are designed for use when a locking function is required. This function is moderated and ensured by the toothed, concave or convex base of the nut. The tooth pattern can be identical to that of the THIBLOC nut or can be designed to specific customer requirements. The capacity to prevent loosening depends on the substrate material and the tooth shape.

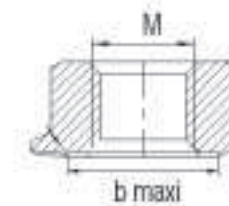


Z = number of teeth



LISI AUTOMOTIVE FORMER IDENTIFICATION  
3 lines at 12 o'clock

QUALITY CLASS  
1 line at 8 o'clock



M = SCREW SIZE	REFERENCE	S	e min.	dc maxi	m	C min.	b max.	TIGHTENING TORQUE ** IN Nm (max)
M8	TP 967 SA	12.73 - 13	14.3	17.9	7.6 - 8	1.2	12.05	20.6
M10	TP 981 NA	14.73 - 15	16.5	21.8	9.6 - 10	1.5	15.74	40.7
M12	TP 980 KA	17.73 - 18	19.9	26	11.6 - 12	1.8	17.75	70.1

\*\* Values obtained in the lab on a hardened steel substrate with class 8.8 screws.

#### Recommended assembly method:

1. Position the nut manually at the end of the screw.
2. Start screwing the nut to the screw.
3. Finish the assembly by tightening the nut.

	NUT
<b>MATERIAL</b>	Work-hardened steel
<b>SURFACE</b>	Phosphated
<b>TREATMENT</b>	coating
<b>COLOUR</b>	White