CLIP-IN NUTS

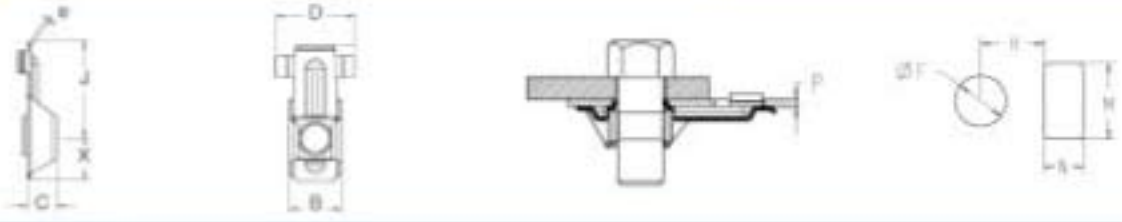
Caged nuts for high-strength assemblies: Type CL Standard

Recommended use:

These nuts are used in assemblies exposed to high mechanical stresses. They can be mounted "blind" with access only from the outside. They can be installed and dismantled easily with the aid of a simple tool. Their large contact surface acts as reinforcement for the substrate, and their self-centring in a round drill-hole helps to guide the screw. Since they are fitted after painting, they eliminate the need for thread masking or retapping.

	CAGE	NUT
MATERIAL	Treated spring steel	Treated steel
SURFACE TREATMENT	See table on cover flap	See table on cover flap
COLOUR	See table on cover flap	See table on cover flap

TYPE 1



TYPE 2

Fitted in a hole with end-stop to prevent excess thickness due to the cage.

SCREW SIZE	P = PANEL THICKNESS	REFERENCE	J	X	C	B	D	e	Ø F	H	M	N	TYPE	TIGHTENING TORQUE** IN NM (max)
M8	2 to 2.25	CL 48685 ZH2	26	11.5	7.5	14.4	21.5	0.8	10	13	15.2	10.2	1	20
M8	1 to 1.20	CL 48681 PC2	26	11.5	7.5	14.4	21.5	0.8	10	13	15.2	10.2	1	20
M8	1.25 to 1.45	CL 48682 NF	26	11.5	7.5	14.4	21.5	0.8	10	13	15.2	10.2	1	20
M8	1.5 to 1.75	CL 48683 ZF2	26	11.5	7.5	14.4	21.5	0.8	10	13	15.2	10.2	1	20
M8	2 to 2.25	CL 48635 ZF	26.5	12	7.5	14.4	21.5	0.8	10	13	15.2	10.2	2	20
M10	1 to 1.20	CL 48601150 ZF	34.2	15.8	10.4	19.6	27.3	1	12.3	18.45	20.2	13	1	31
M10	1 to 1.20	CL 48591150 SJ	34.2	15.8	10.4	19.6	27	1	12.3	18.45	20.2	13	2	31
M10	1.5 to 1.75	CL 48593150 ZH	34.2	15.8	10.4	19.6	27	1	12.3	18.45	20.2	13	2	31
M10	1.5 to 1.75	CL 48703150 PC2	30	14	9.2	16.6	23.5	0.9	12	16	17.2	11.2	1	31
M10	1.5 to 1.75	CL 48603150 ZF2	34.2	15.8	10.4	19.6	27.3	1	12.3	18.45	20.2	13	1	31
M10	2 to 2.25	CL 48706 150 SJ	29.8	14.7	9.4	16.6	23.5	0.9	12	16	17.2	11.2	1	31

** Values obtained in the lab using a power screwdriver (at 400 rpm) on a hardened steel support with class 8.8 and 12.9 screws (non-lubricated and non-zinc plated).

Recommended assembly method:

1. Insert the nut in the oblong hole.
2. Pivot and rotate the nut by the wings.
3. Push the back of the cage and lock it against the substrate.