

# Eye Bolt AL, Green Pin® UNC



Product information

The Green Pin® Lifting Eye UNC is a grade 8 lifting eye with UNC thread. Our extensive range of alloy steel lifting eyes, incorporates 13 different UNC threads. The WLL for lifting points are valid within 45° to the vertical only, but can be even side loaded with reduction of the WLL.

The longer thread length of the ALUNC makes a through-hole mounting with a nut and washer on the other side possible. The nut on the bolt should at least be class 8, but class 10 or 12 is recommended.

The thread length of the lifting eye should be adapted to the material of the load. The Green Pin ® Lifting Eye UNC is available in a range with a working load limit from 0.2t up to 25t.

**Material:** alloy steel, quenched and tempered  
**Marking:** CE-marked  
**Temperature range:** -40°C up to +200°C  
**Finish:** Painted red or white

**Safety factor:** 5:1  
**Grade:** 8

Part code	Code	WLL ton	Thread Inch	a mm	b mm	c mm	d mm	e mm	f mm	g mm	Weight kg
421100401350	GPAL24UNC	4	1	1	55	95	55	84	40	20	1.14

## Technical data

	number of leg(s)	1	2	1	2	2	2	3 & 4	3 & 4

group													
	load direction			0	0	90°	90	0-45°	45-60°	non-sym-metrical	0-45°	45-60°	non-sym-metrical
	safety factor			1	2	0.5	1	1.4	0.5	0.5	2.1	0.75	0.5
	article		diameter thread										
		AL / ALDIN (metric)	ALUNC (inch)	t	t	t	t	t	t	t	t	t	t
AL / ALDIN / ALUNC	GPAL06 / GPAL06DIN / GPAL06UNC	6	1/4	0.2	0.4	0.10	0.20	0.28	0.10	0.10	0.42	0.15	0.10
	GPAL08 / GPAL08DIN	8		0.4	0.8	0.20	0.40	0.56	0.20	0.20	0.84	0.30	0.20
	GPAL10 / GPAL10DIN / GPAL10UNC	10	3/8	0.7	1.4	0.35	0.70	0.98	0.35	0.35	1.47	0.53	0.35
	GPAL12 / GPAL12DIN / GPAL12UNC	12	1/2	1	2	0.50	1.00	1.40	0.50	0.50	2.10	0.75	0.50
	GPAL14 / GPAL14DIN	14		1.2	2.4	0.60	1.20	1.68	0.60	0.60	2.52	0.90	0.60
	GPAL16 / GPAL16DIN / GPAL16UNC	16	5/8	1.5	3	0.75	1.50	2.10	0.75	0.75	3.15	1.13	0.75
	GPAL18 / GPAL18DIN	18		2	4	1.00	2.00	2.80	1.00	1.00	4.20	1.50	1.00
	GPAL20 / GPAL20DIN / GPAL20UNC	20	3/4	2.5	5	1.25	2.50	3.50	1.25	1.25	5.25	1.88	1.25
	GPAL22 / GPAL22DIN / GPAL22UNC	22	7/8	3	6	1.50	3.00	4.20	1.50	1.50	6.30	2.25	1.50
	GPAL24 / GPAL24DIN / GPAL24UNC	24	1	4	8	2.00	4.00	5.60	2.00	2.00	8.40	3.00	2.00
	GPAL27 / GPAL27DIN / GPAL27UNC	27	1 1/8	5	10	2.50	5.00	7.00	2.50	2.50	10.50	3.75	2.50
	GPAL30 / GPAL30DIN / GPAL30UNC	30	1 1/4	6	12	3.00	6.00	8.40	3.00	3.00	12.60	4.50	3.00
	GPAL33 / GPAL33DIN	33		7	14	3.50	7.00	9.80	3.50	3.50	14.70	5.25	3.50
	GPAL36 / GPAL36DIN / GPAL36UNC	36	1 1/2	8	16	4.00	8.00	11.20	4.00	4.00	16.80	6.00	4.00
	GPAL39 / GPAL39DIN	39		9	18	4.50	9.00	12.60	4.50	4.50	18.90	6.75	4.50
	GPAL42 / GPAL42DIN / GPAL42UNC	42	1 3/4	10	20	5.00	10.00	14.00	5.00	5.00	21.00	7.50	5.00
	GPAL45 / GPAL45DIN / GPAL45UNC	45	2	15	30	7.50	15.00	21.00	7.50	7.50	31.50	11.25	7.50
	GPAL48 / GPAL48DIN	48		18	36	9.00	18.00	25.20	9.00	9.00	37.80	13.50	9.00
	GPAL52 / GPAL52DIN	52		20	40	10.00	20.00	28.00	10.00	10.00	42.00	15.00	10.00
	GPAL56 / GPAL56DIN / GPAL56UNC	56	2 1/2	25	50	12.50	25.00	35.00	12.50	12.50	52.50	18.75	12.50
	GPAL60 / GPAL60DIN	60		30	60	15.00	30.00	42.00	15.00	15.00	63.00	22.50	15.00
	GPAL64* / GPAL64DIN*	64		36	72								

\* GPAL64 90% of original WLL: 5-30°

## Blueprint

