EWN.

ELESA Original design

ERGOSTYLE® INOX Stainless Steel INCH

Wing nuts

RoHS PA +270°F -20°F

- **Material**
  Glass-fibre reinforced polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- **Colour**
  Grey-black, matte finish.
- **Cap**
  Technopolymer in Ergostyle colours, matte finish; supplied assembled, press-fit assembly, removable by a screwdriver.
  Available also as accessory sold separately (see table).

Code	*Description*	*Cap for*
*29752-**	*ECA.W2-**	*EWN.48*
*29753-**	*ECA.W3*	*EWN.55*
*29754-**	*ECA.W4-**	*EWN.70*

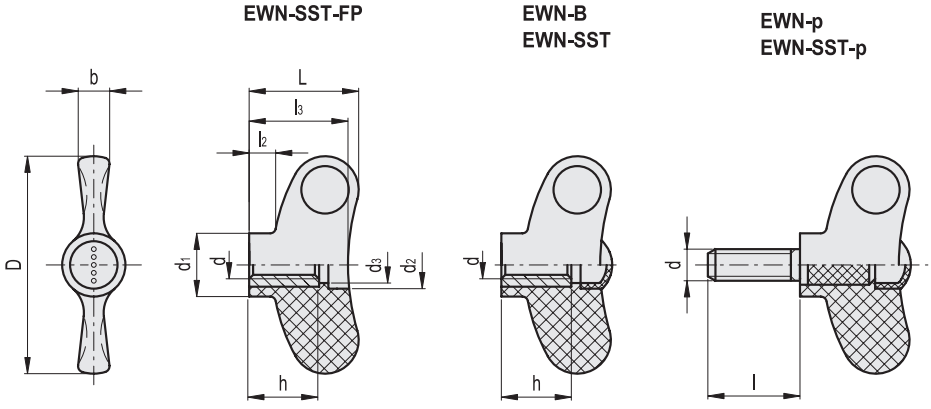
Complete with colour index (C1, ..., C6).

- **Standard executions**
  - **EWN.SST-FP**: AISI 303 stainless steel boss, threaded pass-through hole.
  - **EWN**: brass boss, threaded pass-through hole.
  - **EWN-p**: white zinc-plated steel threaded stud, chamfered flat end according to ISO 4753 (see Technical Data).
  - **EWN-SST**: AISI 303 stainless steel boss, threaded pass-through hole.
  - **EWN-SST-p**: AISI 303 stainless steel threaded stud, chamfered flat end according to ISO 4753 (see Technical Data).

Ergonomy and design

The slightly concave marks on the wings help to position the fingers in order to apply the maximum force when tightening.

design96/97 stuttgart



american unit
metric unit

EWN.SST-FP

Codice	Descrizione	D	d_{2B}	L	d_1	d_2	d_3	l_2	l_3	b	h	C# [Nm]	⚖
90224221-C0	EWN.48 SST-FP-1/4-20-C0	1.85 47	1/4-20	0.93 23.5	0.53 13.5	0.39 10	0.33 8.5	0.22 5.5	0.85 21.5	0.28 7	0.47 12	7.37 10	0.02 9
90224241-C0	EWN.55 SST-FP-5/16-18-C0	2.17 55	5/16-18	1.08 27.5	0.63 16	0.47 12	0.41 10.5	0.26 6.5	0.98 25	0.31 8	0.71 18	14.74 20	0.04 18
90224406-C0	EWN.70 SST-FP-5/16-18-C0	2.76 70	5/16-18	1.4 35.5	0.79 20	0.59 15	0.51 13	0.31 8	1.26 32	0.39 10	0.79 20	33.17 45	0.07 31

"Max limit Tightening torque" means the max torque value at which the metal insert, in normal conditions of use, is perfectly and strongly anchored to the plastic material.

* Complete with colour index, example: 90223221-C2 EWN.48 B-1/4-20-C2

C1 RAL7021 | C2 RAL2004 | C3 RAL7035 | C4 RAL1021 | C5 RAL5024 | C6 RAL3000

american unit
metric unit

EWN-B

Codice	Descrizione	D	d_{2B}	L	d_1	l_2	b	h	C# [ft lb] [Nm]	⚖
90223221-*	EWN.48 B-1/4-20-*	1.85 47	1/4-20	0.94 24	0.53 13.5	0.22 5.5	0.28 7	0.47 12	8.11 11	0.02 11
90223236-*	EWN.55 B-1/4-20-*	2.17 55	1/4-20	1.1 28	0.63 16	0.26 6.5	0.31 8	0.71 18	14.74 20	0.05 22
90223241-*	EWN.55 B-5/16-18-*	2.17 55	5/16-18	1.1 28	0.63 16	0.26 6.5	0.31 8	0.71 18	19.16 26	0.05 21
90223406-*	EWN.70 B-5/16-18-*	2.76 70	5/16-18	1.42 36	0.79 20	0.31 8	0.39 10	0.79 20	33.17 45	0.08 38
90223411-*	EWN.70 B-3/8-16-*	2.76 70	3/8-16	1.42 36	0.79 20	0.31 8	0.39 10	0.79 20	42.75 58	0.08 37

EWN-SST

Codice	Descrizione	D	d_{2B}	L	d_1	l_2	b	h	C# [ft lb] [Nm]	⚖
90224221-*	EWN.48 SST-1/4-20-*	1.85 47	1/4-20	0.94 24	0.53 13.5	0.22 5.5	0.28 7	0.47 12	7.37 10	0.02 11
90224241-*	EWN.55 SST-5/16-18-*	2.17 55	5/16-18	1.1 28	0.63 16	0.26 6.5	0.31 8	0.71 18	11.06 15	0.05 21
90224406-*	EWN.70 SST-5/16-18-*	2.76 70	5/16-18	1.42 36	0.79 20	0.31 8	0.39 10	0.79 20	17.69 24	0.09 40

EWN-p

Codice	Descrizione	D	d_{2A}	L	d_1	l	l_2	b	C# [ft lb] [Nm]	⚖
90223536-*	EWN.48 p-1/4-20x3/4-*	1.85 47	1/4-20	0.94 24	0.53 13.5	0.750	0.22 5.5	0.28 7	8.84 12	0.04 16
90223541-*	EWN.48 p-1/4-20x1-*	1.85 47	1/4-20	0.94 24	0.53 13.5	1.000	0.22 5.5	0.28 7	8.84 12	0.05 22
90223546-*	EWN.48 p-5/16-18x3/4 -*	1.85 47	5/16-18	0.94 24	0.53 13.5	0.750	0.22 5.5	0.28 7	13.27 18	0.05 24
90223551-*	EWN.48 p-5/16-18x1-*	1.85 47	5/16-18	0.94 24	0.53 13.5	1.000	0.22 5.5	0.28 7	13.27 18	0.06 28
90223636-*	EWN.55 p-5/16-18x3/4-*	2.17 55	5/16-18	1.1 28	0.63 16	0.750	0.26 6.5	0.31 8	16.21 22	0.05 24
90223641-*	EWN.55 p-5/16-18x1-*	2.17 55	5/16-18	1.1 28	0.63 16	1.000	0.26 6.5	0.31 8	16.21 22	0.06 27
90223646-*	EWN.55 p-5/16-18x1½-*	2.17 55	5/16-18	1.1 28	0.63 16	1.500	0.26 6.5	0.31 8	16.21 22	0.07 32
90223871-*	EWN.70 p-3/8-16x1-*	2.76 70	3/8-16	1.42 36	0.79 20	1.000	0.31 8	0.39 10	35.38 48	0.11 49
90223876-*	EWN.70 p-3/8-16x1½-*	2.76 70	3/8-16	1.42 36	0.79 20	1.500	0.31 8	0.39 10	35.38 48	0.13 59

EWN-SST-p

Codice	Descrizione	D	d_{2A}	L	d_1	l	l_2	b	C# [ft lb] [Nm]	⚖
90224536-*	EWN.48 SST-p-1/4-20x3/4-*	1.85 47	1/4-20	0.94 24	0.53 13.5	0.750	0.22 5.5	0.28 7	8.11 11	0.04 16
90224641-*	EWN.55 SST-p-5/16-18x1-*	2.17 55	5/16-18	1.1 28	0.63 16	1.000	0.26 6.5	0.31 8	11.79 16	0.06 28
90224876-*	EWN.70 SST-p-3/8-16x1½-*	2.76 70	3/8-16	1.42 36	0.79 20	1.500	0.31 8	0.39 10	33.17 45	0.11 52

"Max limit Tightening torque" means the max torque value at which the metal insert, in normal conditions of use, is perfectly and strongly anchored to the plastic material.

Wing screws

RoHS PA +130°C -30°C

- **Material**
  Glass-fibre reinforced polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- **Colour**
  Grey-black, matte finish.
- **Cap**
  Technopolymer in Ergostyle colours, matte finish; supplied assembled, press-fit assembly, removable by a screwdriver.
  Available also as accessory sold separately (see table ECA.).

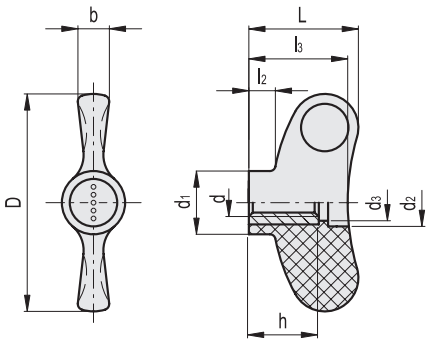
Code	*Description*	*Cap for*
*29752-**	*ECA.W2-**	*EWN.48*
*29753-**	*ECA.W3-**	*EWN.55*
*29754-**	*ECA.W4-**	*EWN.70*

** Complete with the index of the colour (C1, ..., C6)*

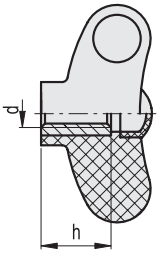
- **Standard executions**
  - **EWN-B**: brass boss, threaded pass-through hole, with cap.
  - **EWN-SST**: AISI 303 stainless steel boss, threaded-pass hole, with cap.
  - **EWN-FP**: brass boss, threaded pass-through hole, without cap.
  - **EWN-SST-FP:** AISI 303 stainless steel boss, threaded pass-through hole without cap.
  - **EWN-p**: zinc-plated steel threaded stud with chamfered flat end as in UNI 947 : ISO 4753 (see Technical data), with closing cap.
  - **EWN-SST-p**: AISI 303 stainless steel threaded stud, chamfered flat end according to UNI 947 : ISO 4753 (see Technical data), with closing cap.

design96/97 stuttgart
INDUSTRIE FORUM DESIGN HANNOVER 1995

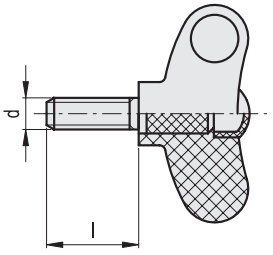
EWN-FP
EWN-SST-FP



EWN-B
EWN-SST



EWN-p
EWN-SST-p



Conversion Table *1 mm = 0.039 inch*	
D	
mm	inch
47	1.85
55	2.16
63	2.46
70	2.76

* Complete with colour index, example: 223216-C2 EWN.48 B-M5-C2

C1 *RAL7021* | C2 *RAL2004* | C3 *RAL7035* | C4 *RAL1021* | C5 *RAL5024* | C6 *RAL3000*

EWN-FP

Code	Description	D	d_{6H}	L	d_1	d_2	d_3	l_2	l_3	b	h	C# [Nm]	⚖
223122-C0	EWN.48 FP-M5-C0	47	M5	24	13.5	10	8.5	5.5	21.5	7	12	9	10
223123-C0	EWN.48 FP-M6-C0	47	M6	24	13.5	10	8.5	5.5	21.5	7	12	10	9
223124-C0	EWN.48 FP-M8-C0	47	M8	24	13.5	10	8.5	5.5	21.5	7	12	11	8
223132-C0	EWN.55 FP-M6-C0	55	M6	28	16	12	10.5	6.5	25	8	18	20	19
223133-C0	EWN.55 FP-M8-C0	55	M8	28	16	12	10.5	6.5	25	8	18	25	18
223144-C0	EWN.63 FP-M8-C0	63	M8	32	19	14	10.5	7.5	29	9	20	45	27
223145-C0	EWN.63 FP-M10-C0	63	M10	32	19	14	10.5	7.5	29	9	20	55	26
223152-C0	EWN.70 FP-M8-C0	70	M8	36	20	15	13	8	32	10	20	45	32
223153-C0	EWN.70 FP-M10-C0	70	M10	36	20	15	13	8	32	10	20	55	31

EWN-SST-FP

Code	Description	D	d_{6H}	L	d_1	d_2	d_3	l_2	l_3	b	h	C# [Nm]	⚖
224122-C0	EWN.48 SST-FP-M6-C0	47	M6	24	13.5	10	8.5	5.5	21.5	7	12	10	9
224123-C0	EWN.48 SST-FP-M8-C0	47	M8	24	13.5	10	8.5	5.5	21.5	7	12	10	8
224133-C0	EWN.55 SST-FP-M8-C0	55	M8	28	16	12	10.5	6.5	25	8	18	20	18
224143-C0	EWN.63 SST-FP-M10-C0	63	M10	32	19	14	10.5	7.5	29	9	20	45	26
224153-C0	EWN.70 SST-FP-M10-C0	70	M10	26	20	15	13	8	32	10	20	45	31

EWN-B

Code	Description	D	d_{6H}	L	d_1	l_2	b	h	C# [Nm]	⚖
223216-*	EWN.48 B-M5-*	47	M5	24	13.5	5.5	7	12	10	11
223221-*	EWN.48 B-M6-*	47	M6	24	13.5	5.5	7	12	11	10
223226-*	EWN.48 B-M8-*	47	M8	24	13.5	5.5	7	12	13	9
223236-*	EWN.55 B-M6-*	55	M6	28	16	6.5	8	18	20	20
223241-*	EWN.55 B-M8-*	55	M8	28	16	6.5	8	18	26	19
223251-*	EWN.63-B M8-*	63	M8	32	19	7.5	9	20	45	29
223256-*	EWN.63-B M10-*	63	M10	32	19	7.5	9	20	58	28
223406-*	EWN.70 B-M8-*	70	M8	36	20	8	10	20	45	34
223411-*	EWN.70 B-M10-*	70	M10	36	20	8	10	20	58	33

EWN-SST

Code	Description	D	d_{6H}	L	d_1	l_2	b	h	C# [Nm]	⚖
224216-*	EWN.48 SST-M6-*	47	M6	24	13.5	5.5	7	12	10	10
224221-*	EWN.48 SST-M8-*	47	M8	24	13.5	5.5	7	12	10	9
224241-*	EWN.55 SST-M8-*	55	M8	28	16	6.5	8	18	15	19
224256-*	EWN.63-SST M10-*	63	M10	32	19	7.5	9	20	35	28
224411-*	EWN.70 SST-M10-*	70	M10	36	20	8	10	20	35	33

"Max limit Tightening torque" means the max torque value at which the metal insert, in normal conditions of use, is perfectly and strongly anchored to the plastic material.

Conversion Table *1 mm = 0.039 inch*	
D	
mm	**inch**
47	**1.85**
55	**2.16**
63	**2.46**
70	**2.76**

EWN-p

Code	Description	D	d_{6g}	L	d_1	l	l_2	b	C# [Nm]	⚖
223511-*	EWN.48 p-M5x16-*	47	M5	24	13.5	16	5.5	7	9	11
223516-*	EWN.48 p-M5x20-*	47	M5	24	13.5	20	5.5	7	9	12
223531-*	EWN.48 p-M6x16-*	47	M6	24	13.5	16	5.5	7	12	13
223536-*	EWN.48 p-M6x20-*	47	M6	24	13.5	20	5.5	7	12	13
223541-*	EWN.48 p-M6x25-*	47	M6	24	13.5	25	5.5	7	12	13
223546-*	EWN.48 p-M6x30-*	47	M6	24	13.5	30	5.5	7	12	15
223556-*	EWN.48 p-M6x40-*	47	M6	24	13.5	40	5.5	7	12	17
223565-*	EWN.48 p-M8x16-*	47	M8	24	13.5	16	5.5	7	12	13
223571-*	EWN.48-p M8x20-*	47	M8	24	13.5	20	5.5	7	12	19
223572-*	EWN.48 p-M8x25-*	47	M8	24	13.5	25	5.5	7	12	13
223573-*	EWN.48-p M8x30-*	47	M8	24	13.5	30	5.5	7	12	21
223576-*	EWN.48-p M8x40-*	47	M8	24	13.5	40	5.5	7	12	24
223626-*	EWN.55 p-M8x20-*	55	M8	28	16	20	6.5	8	22	23
223636-*	EWN.55 p-M8x30-*	55	M8	28	16	30	6.5	8	22	26
223646-*	EWN.55 p-M8x40-*	55	M8	28	16	40	6.5	8	22	29
223666-*	EWN.55 p-M10x20-*	55	M10	28	16	20	6.5	8	25	28
223676-*	EWN.55 p-M10x30-*	55	M10	28	16	30	6.5	8	25	34
223686-*	EWN.55 p-M10x40-*	55	M10	28	16	40	6.5	8	25	40
223726-*	EWN.63 p-M8x20-*	63	M8	32	19	20	7.5	9	32	30
223736-*	EWN.63 p-M8x30-*	63	M8	32	19	30	7.5	9	32	33
223746-*	EWN.63 p-M8x40-*	63	M8	32	19	40	7.5	9	32	35
223756-*	EWN.63 p-M10x20-*	63	M10	32	19	20	7.5	9	48	36
223766-*	EWN.63 p-M10x30-*	63	M10	32	19	30	7.5	9	48	42
223776-*	EWN.63 p-M10x40-*	63	M10	32	19	40	7.5	9	48	48
223806-*	EWN.70 p-M8x20-*	70	M8	36	20	20	8	10	32	35
223816-*	EWN.70 p-M8x30-*	70	M8	36	20	30	8	10	32	38
223826-*	EWN.70 p-M8x40-*	70	M8	36	20	40	8	10	32	40
223856-*	EWN.70 p-M10x20-*	70	M10	36	20	20	8	10	48	41
223866-*	EWN.70 p-M10x30-*	70	M10	36	20	30	8	10	48	47
223876-*	EWN.70 p-M10x40-*	70	M10	36	20	40	8	10	48	53

EWN-SST-p

Code	Description	D	d_{6g}	L	d_1	l	l_2	b	C# [Nm]	⚖
224536-*	EWN.48 SST-p-M6x20 -*	47	M6	24	13.5	20	5.5	7	11	13
224546-*	EWN.48 SST-p-M6x30-*	47	M6	24	13.5	30	5.5	7	11	15
224549-*	EWN.48 SST-p-M8x20-*	47	M8	24	13.5	20	5.5	7	11	20
224551-*	EWN.48 SST-p-M8x30-*	47	M8	24	13.5	30	5.5	7	11	22
224553-*	EWN.48 SST-p-M8x40-*	47	M8	24	13.5	40	5.5	7	11	25
224626-*	EWN.55 SST-p-M8x20-*	55	M8	28	16	20	6.5	8	16	23
224636-*	EWN.55 SST-p-M8x30-*	55	M8	28	16	30	6.5	8	16	26
224638-*	EWN.55 SST-p-M8x40-*	55	M8	28	16	40	6.5	8	16	30
224756-*	EWN.63-SST-p M10x20-*	63	M10	32	19	20	7.5	9	45	36
224766-*	EWN.63-SST-p M10x30-*	63	M10	32	19	30	7.5	9	45	42
224856-*	EWN.70 SST-p-M10x20-*	70	M10	36	20	20	8	10	45	41
224866-*	EWN.70 SST-p-M10x30-*	70	M10	36	20	30	8	10	45	47
224876-*	EWN.70 SST-p-M10x40-*	70	M10	36	20	40	8	10	45	54

"Max limit Tightening torque" means the max torque value at which the metal insert, in normal conditions of use, is perfectly and strongly anchored to the plastic material.