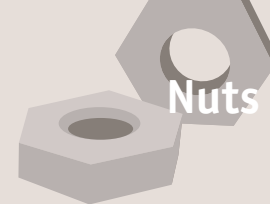


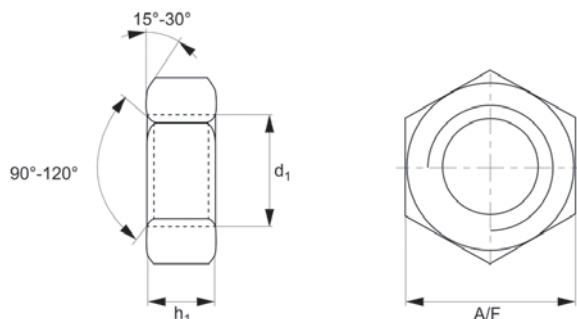


Full Nuts Coarse Thread

A2 stainless



Nuts



P0301.A2

NUTS

Material

Stainless steel (A2).

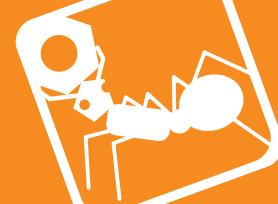
threads.

For fine thread full nuts see P0302.

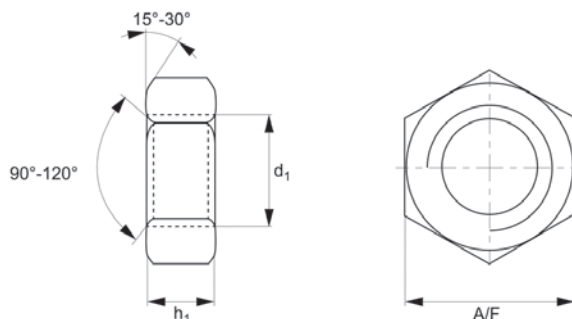
Technical Notes

To DIN 934. Standard metric coarse pitch

Order No.	d ₁	h ₁ min.	A/F	Material
P0301.014-A2	M1,4	0.95	3	A2 s/s
P0301.016-A2	M1,6	1.05	3.2	A2 s/s
P0301.020-A2	M 2	1.35	4	A2 s/s
P0301.025-A2	M2,5	1.75	5	A2 s/s
P0301.030-A2	M 3	2.15	5.5	A2 s/s
P0301.035-A2	M3,5	2.55	6	A2 s/s
P0301.040-A2	M 4	2.9	7	A2 s/s
P0301.050-A2	M 5	3.7	8	A2 s/s
P0301.060-A2	M 6	4.7	10	A2 s/s
P0301.070-A2	M 7	5.2	11	A2 s/s
P0301.080-A2	M 8	6.14	13	A2 s/s
P0301.100-A2	M10	7.64	17	A2 s/s
P0301.120-A2	M12	9.64	19	A2 s/s
P0301.140-A2	M14	10.3	22	A2 s/s
P0301.160-A2	M16	12.3	24	A2 s/s
P0301.180-A2	M18	14.3	27	A2 s/s
P0301.200-A2	M20	14.9	30	A2 s/s
P0301.220-A2	M22	16.9	32	A2 s/s
P0301.240-A2	M24	17.7	36	A2 s/s
P0301.270-A2	M27	20.7	41	A2 s/s
P0301.300-A2	M30	22.7	46	A2 s/s
P0301.330-A2	M33	24.7	50	A2 s/s
P0301.360-A2	M36	27.4	55	A2 s/s
P0301.420-A2	M42	32.4	65	A2 s/s
P0301.480-A2	M48	36.4	75	A2 s/s



P0301.A4



Material

Stainless steel (A4).

threads.

For fine thread full nuts see P0302.

Technical Notes

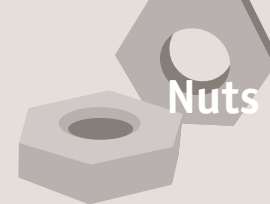
To DIN 934. Standard metric coarse pitch

Order No.	d_1	h_1 min.	A/F	Material
P0301.014-A4	M1,4	0.95	3	A4 s/s
P0301.016-A4	M1,6	1.05	3.2	A4 s/s
P0301.020-A4	M 2	1.35	4	A4 s/s
P0301.025-A4	M2,5	1.75	5	A4 s/s
P0301.030-A4	M 3	2.15	5.5	A4 s/s
P0301.035-A4	M3,5	2.55	6	A4 s/s
P0301.040-A4	M 4	2.9	7	A4 s/s
P0301.050-A4	M 5	3.7	8	A4 s/s
P0301.060-A4	M 6	4.7	10	A4 s/s
P0301.070-A4	M 7	5.2	11	A4 s/s
P0301.080-A4	M 8	6.14	13	A4 s/s
P0301.100-A4	M10	7.64	17	A4 s/s
P0301.120-A4	M12	9.64	19	A4 s/s
P0301.140-A4	M14	10.3	22	A4 s/s
P0301.160-A4	M16	12.3	24	A4 s/s
P0301.180-A4	M18	14.3	27	A4 s/s
P0301.200-A4	M20	14.9	30	A4 s/s
P0301.220-A4	M22	16.9	32	A4 s/s
P0301.240-A4	M24	17.7	36	A4 s/s
P0301.270-A4	M27	20.7	41	A4 s/s
P0301.300-A4	M30	22.7	46	A4 s/s
P0301.330-A4	M33	24.7	50	A4 s/s
P0301.360-A4	M36	27.4	55	A4 s/s
P0301.420-A4	M42	32.4	65	A4 s/s
P0301.480-A4	M48	36.4	75	A4 s/s

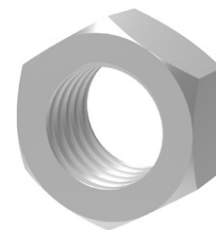
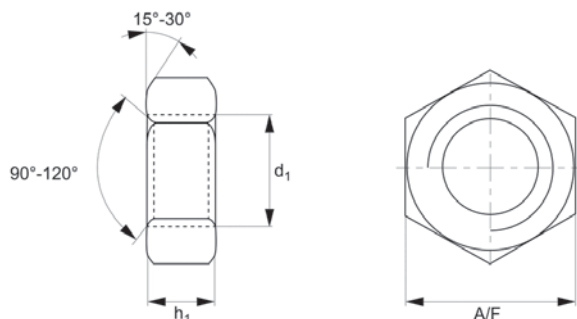


Full Nuts Coarse Thread

Steel, zinc-plated



Nuts



P0301.ZP

NUTS

Material

Steel (class 8), zinc plated.

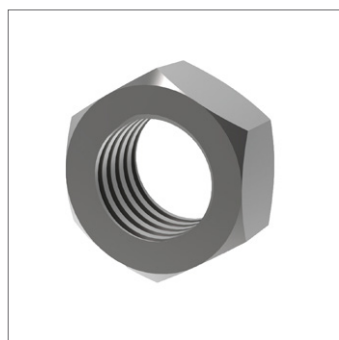
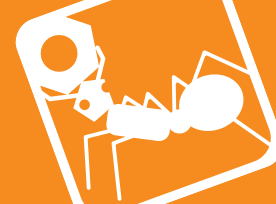
threads.

For fine thread full nuts see P0302.

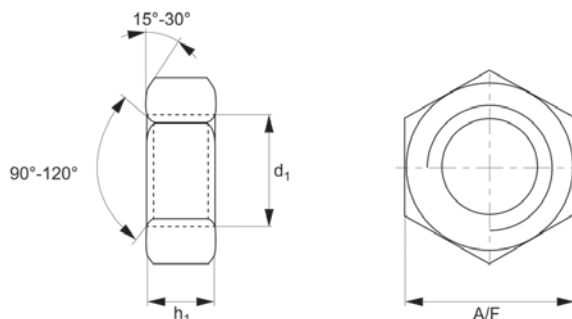
Technical Notes

To DIN 934. Standard metric coarse pitch

Order No.	d ₁	h ₁ min.	A/F	Material
P0301.020-ZP	M 2	1.35	4	Steel ZP
P0301.025-ZP	M2,5	1.75	5	Steel ZP
P0301.030-ZP	M 3	2.15	5.5	Steel ZP
P0301.035-ZP	M3,5	2.55	6	Steel ZP
P0301.040-ZP	M 4	2.9	7	Steel ZP
P0301.050-ZP	M 5	3.7	8	Steel ZP
P0301.060-ZP	M 6	4.7	10	Steel ZP
P0301.080-ZP	M 8	6.14	13	Steel ZP
P0301.100-ZP	M10	7.64	17	Steel ZP
P0301.120-ZP	M12	9.64	19	Steel ZP
P0301.140-ZP	M14	10.3	22	Steel ZP
P0301.160-ZP	M16	12.3	24	Steel ZP
P0301.180-ZP	M18	14.3	27	Steel ZP
P0301.200-ZP	M20	14.9	30	Steel ZP
P0301.220-ZP	M22	16.9	32	Steel ZP
P0301.240-ZP	M24	17.7	36	Steel ZP
P0301.300-ZP	M30	22.7	46	Steel ZP
P0301.330-ZP	M33	24.7	50	Steel ZP
P0301.360-ZP	M36	27.4	55	Steel ZP
P0301.420-ZP	M42	32.4	65	Steel ZP
P0301.480-ZP	M48	36.4	75	Steel ZP
P0301.520-ZP	M52	42	80	Steel ZP
P0301.560-ZP	M56	45	85	Steel ZP
P0301.600-ZP	M60	48	90	Steel ZP
P0301.640-ZP	M64	51	95	Steel ZP
P0301.680-ZP	M68	54	100	Steel ZP
P0301.720-ZP	M72x6,0	58	105	Steel ZP
P0301.800-ZP	M80x6,0	64	115	Steel ZP



P0301.SC



Material

Steel (class 8), self-colour.

threads.

For fine thread full nuts see P0302.

Technical Notes

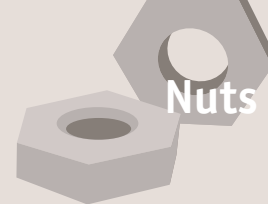
To DIN 934. Standard metric coarse pitch

Order No.	d_1	h_1 min.	A/F	Material
P0301.020-SC	M 2	1.35	4	Steel SC
P0301.025-SC	M2,5	1.75	5	Steel SC
P0301.030-SC	M 3	2.15	5.5	Steel SC
P0301.035-SC	M3,5	2.55	6	Steel SC
P0301.040-SC	M 4	2.9	7	Steel SC
P0301.050-SC	M 5	3.7	8	Steel SC
P0301.060-SC	M 6	4.7	10	Steel SC
P0301.070-SC	M 7	5.5	11	Steel SC
P0301.080-SC	M 8	6.14	13	Steel SC
P0301.100-SC	M10	7.64	17	Steel SC
P0301.120-SC	M12	9.64	19	Steel SC
P0301.140-SC	M14	10.3	22	Steel SC
P0301.160-SC	M16	12.3	24	Steel SC
P0301.180-SC	M18	14.3	27	Steel SC
P0301.200-SC	M20	14.9	30	Steel SC
P0301.220-SC	M22	16.9	32	Steel SC
P0301.240-SC	M24	17.7	36	Steel SC
P0301.270-SC	M27	20.7	41	Steel SC
P0301.300-SC	M30	22.7	46	Steel SC
P0301.330-SC	M33	24.7	50	Steel SC
P0301.360-SC	M36	27.4	55	Steel SC
P0301.420-SC	M42	32.4	65	Steel SC
P0301.480-SC	M48	36.4	75	Steel SC
P0301.520-SC	M52	42	80	Steel SC
P0301.560-SC	M56	45	85	Steel SC
P0301.600-SC	M60	48	90	Steel SC
P0301.640-SC	M64	51	95	Steel SC
P0301.680-SC	M68	54	100	Steel SC
P0301.720-SC	M72x6,0	58	105	Steel SC
P0301.800-SC	M80x6,0	64	115	Steel SC

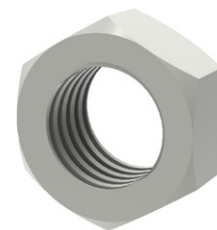
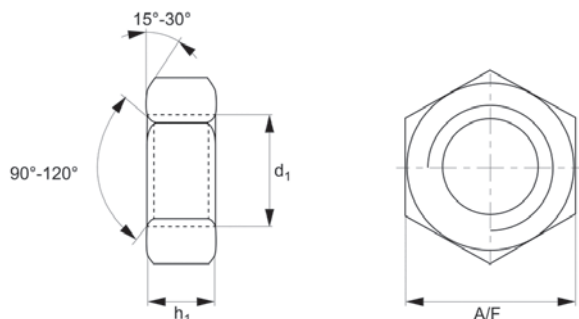


Full Nuts Coarse Thread

Nylon



Nuts



P0301.NL

NUTS

Material

Nylon.

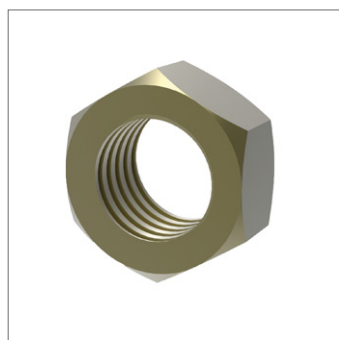
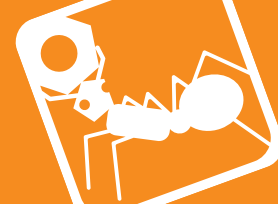
threads.

For fine thread full nuts see P0302.

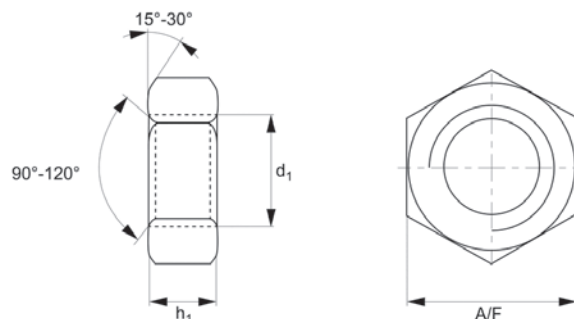
Technical Notes

To DIN 934. Standard metric coarse pitch

Order No.	d_1	h_1 min.	A/F	Material
P0301.030-NL	M 3	2.15	5.5	Nylon
P0301.040-NL	M 4	2.9	7	Nylon
P0301.050-NL	M 5	3.7	8	Nylon
P0301.060-NL	M 6	4.7	10	Nylon
P0301.080-NL	M 8	6.14	13	Nylon
P0301.100-NL	M10	7.64	17	Nylon
P0301.120-NL	M12	9.64	19	Nylon



P0301.BR



Material

Brass.

threads.

For fine thread full nuts see P0302.

Technical Notes

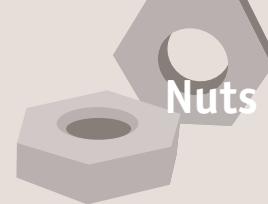
To DIN 934. Standard metric coarse pitch

Order No.	d_1	h_1 min.	A/F	Material
P0301.020-BR	M 2	1.35	4	Brass
P0301.030-BR	M 3	2.15	5.5	Brass
P0301.040-BR	M 4	2.9	7	Brass
P0301.050-BR	M 5	3.7	8	Brass
P0301.060-BR	M 6	4.7	10	Brass
P0301.080-BR	M 8	6.14	13	Brass
P0301.100-BR	M10	7.64	17	Brass
P0301.120-BR	M12	9.64	19	Brass
P0301.140-BR	M14	10.3	22	Brass
P0301.160-BR	M16	12.3	24	Brass
P0301.180-BR	M18	14.3	27	Brass
P0301.200-BR	M20	14.9	30	Brass
P0301.220-BR	M22	16.9	32	Brass
P0301.240-BR	M24	17.7	36	Brass
P0301.270-BR	M27	20.7	41	Brass
P0301.300-BR	M30	22.7	46	Brass
P0301.360-BR	M36	27.4	55	Brass
P0301.390-BR	M39	29.4	60	Brass
P0301.035-BR	M3,5	2.55	6	Brass
P0301.070-BR	M 7	5.5	11	Brass
P0301.025-BR	M2,5	1.75	5	Brass

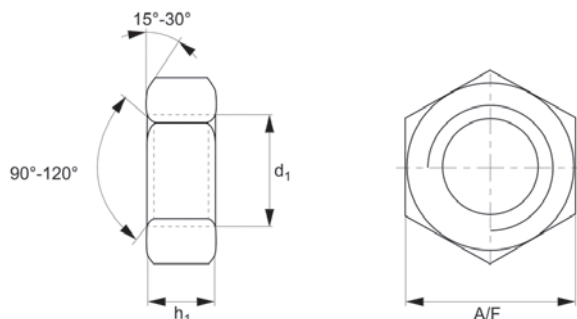


Full Nuts Fine Thread

A2 stainless



Nuts



P0302.A2

NUTS

Material

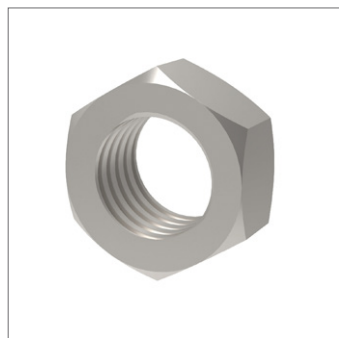
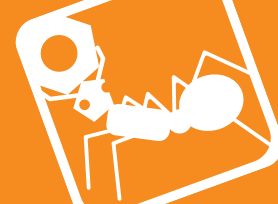
Stainless steel (A2).

Technical Notes

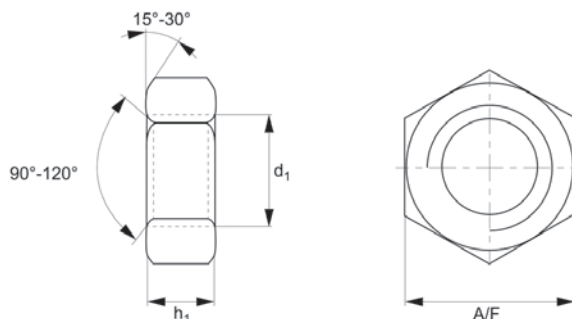
DIN 934. Fine pitch threads.

For coarse thread full nuts see P0301.

Order No.	d_1	h_1 min.	A/F	Material
P0302.080-100-A2	M08x1,0	6.14	13	A2 s/s
P0302.100-100-A2	M10x1,0	7.64	17	A2 s/s
P0302.100-125-A2	M10x1,25	7.64	17	A2 s/s
P0302.120-125-A2	M12x1,25	9.64	19	A2 s/s
P0302.120-150-A2	M12x1,5	9.64	19	A2 s/s
P0302.140-150-A2	M14x1,5	10.3	22	A2 s/s
P0302.160-150-A2	M16x1,5	12.3	24	A2 s/s
P0302.180-150-A2	M18x1,5	14.3	27	A2 s/s
P0302.200-150-A2	M20x1,5	14.9	30	A2 s/s
P0302.200-200-A2	M20x2,0	14.9	30	A2 s/s
P0302.220-150-A2	M22x1,5	16.9	32	A2 s/s
P0302.240-150-A2	M24x1,5	17.7	36	A2 s/s
P0302.240-200-A2	M24x2,0	17.7	36	A2 s/s
P0302.270-150-A2	M27x1,5	20.7	41	A2 s/s
P0302.270-200-A2	M27x2,0	20.7	41	A2 s/s
P0302.300-200-A2	M30x2,0	22.7	46	A2 s/s
P0302.300-150-A2	M30x1,5	22.7	46	A2 s/s
P0302.360-150-A2	M36x1,5	27.4	55	A2 s/s
P0302.360-300-A2	M36x3,0	27.4	55	A2 s/s



P0302.A4



Material

Stainless steel (A4).

Technical Notes

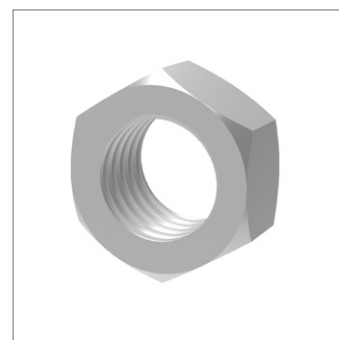
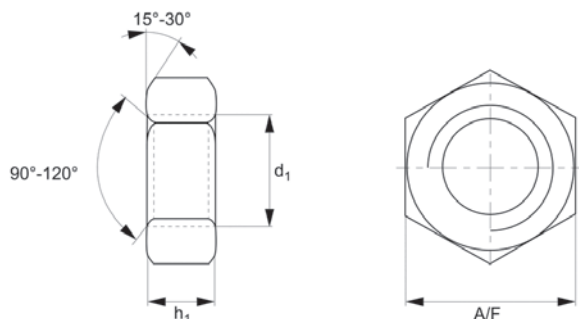
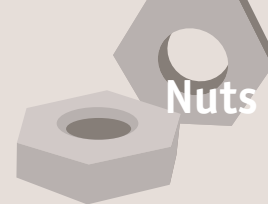
DIN 934. Fine pitch threads.
For coarse thread full nuts see P0301.

Order No.	d_1	h_1 min.	A/F	Material
P0302.080-100-A4	M08x1,0	6.14	13	A4 s/s
P0302.100-100-A4	M10x1,0	7.64	17	A4 s/s
P0302.100-125-A4	M10x1,25	7.64	17	A4 s/s
P0302.120-125-A4	M12x1,25	9.64	19	A4 s/s
P0302.120-150-A4	M12x1,5	9.64	19	A4 s/s
P0302.140-150-A4	M14x1,5	10.3	22	A4 s/s
P0302.160-150-A4	M16x1,5	12.3	24	A4 s/s
P0302.180-150-A4	M18x1,5	14.3	27	A4 s/s
P0302.200-150-A4	M20x1,5	14.9	30	A4 s/s
P0302.200-200-A4	M20x2,0	14.9	30	A4 s/s
P0302.220-150-A4	M22x1,5	16.9	32	A4 s/s
P0302.240-150-A4	M24x1,5	17.7	36	A4 s/s
P0302.240-200-A4	M24x2,0	17.7	36	A4 s/s
P0302.270-150-A4	M27x1,5	20.7	41	A4 s/s
P0302.270-200-A4	M27x2,0	20.7	41	A4 s/s
P0302.300-150-A4	M30x1,5	22.7	46	A4 s/s
P0302.300-200-A4	M30x2,0	22.7	46	A4 s/s
P0302.360-150-A4	M36x1,50	27.4	55	A4 s/s
P0302.360-300-A4	M36x3,0	27.4	55	A4 s/s



Full Nuts Fine Thread

Steel, zinc-plated



P0302.ZP

NUTS

Material

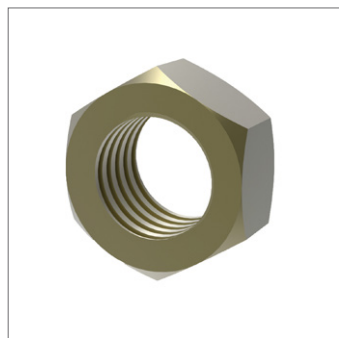
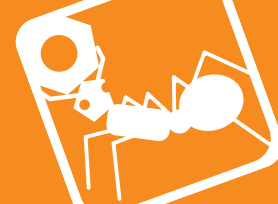
Steel (class 8), zinc-plated.

Technical Notes

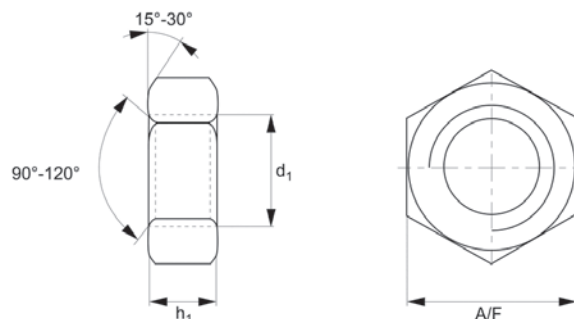
DIN 934. Fine pitch threads.

For coarse thread full nuts see P0301.

Order No.	d ₁	h min.	A/F	Material
P0302.080-100-ZP	M08x1,0	6.14	13	Steel ZP
P0302.100-100-ZP	M10x1,0	7.64	17	Steel ZP
P0302.100-125-ZP	M10x1,25	7.64	17	Steel ZP
P0302.120-150-ZP	M12x1,5	9.64	19	Steel ZP
P0302.120-125-ZP	M12x1,25	9.64	19	Steel ZP
P0302.140-150-ZP	M14x1,5	10.3	22	Steel ZP
P0302.160-150-ZP	M16x1,5	12.3	24	Steel ZP
P0302.180-150-ZP	M18x1,5	14.3	27	Steel ZP
P0302.200-150-ZP	M20x1,5	14.9	30	Steel ZP
P0302.200-200-ZP	M20x2,0	14.9	30	Steel ZP
P0302.220-150-ZP	M22x1,5	16.9	32	Steel ZP
P0302.240-150-ZP	M24x1,5	17.7	36	Steel ZP
P0302.240-200-ZP	M24x2,0	17.7	36	Steel ZP
P0302.270-150-ZP	M27x1,5	20.7	41	Steel ZP
P0302.270-200-ZP	M27x2,0	20.7	41	Steel ZP
P0302.300-150-ZP	M30x1,5	22.7	46	Steel ZP
P0302.300-200-ZP	M30x2,0	22.7	46	Steel ZP
P0302.360-150-ZP	M36x1,5	27.4	55	Steel ZP
P0302.360-300-ZP	M36x3,0	27.4	55	Steel ZP



P0302.BR



Material

Brass.

Technical Notes

DIN 934. Fine pitch threads.

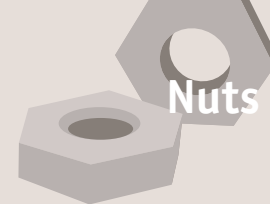
For coarse thread full nuts see P0301.

Order No.	d_1	h_1 min.	A/F	Material
P0302.080-100-BR	M8x1	6.14	13	Brass
P0302.100-100-BR	M10x1	7.64	17	Brass
P0302.120-150-BR	M12x1,5	9.64	19	Brass
P0302.140-150-BR	M14x1,5	10.3	22	Brass
P0302.160-150-BR	M16x1,5	12.3	24	Brass
P0302.180-150-BR	M18x1,5	14.3	27	Brass
P0302.200-150-BR	M20x1,5	14.9	30	Brass
P0302.220-150-BR	M22x1,5	16.9	32	Brass
P0302.240-150-BR	M24x1,5	17.7	36	Brass
P0302.270-150-BR	M27x1,5	20.7	41	Brass
P0302.300-150-BR	M30x1,5	22.7	46	Brass
P0302.300-200-BR	M30x2,0	22.7	46	Brass

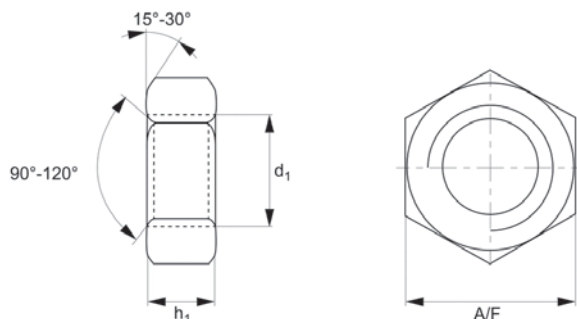


Full Nuts Left Hand Thread

A2 stainless



Nuts



P0303.A2

NUTS

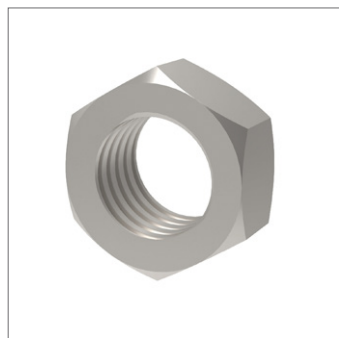
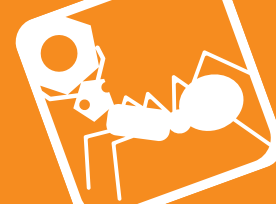
Material

Stainless steel (A2)

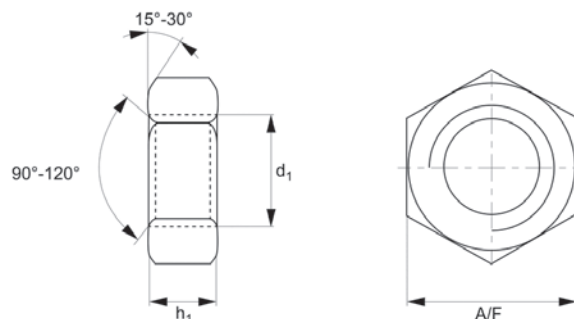
Technical Notes

To DIN 934. These are the left hand thread versions.

Order No.	d_1	h_1 min.	A/F	Material
P0303.030-A2	M 3	2.15	5.5	A2 s/s
P0303.040-A2	M 4	2.9	7	A2 s/s
P0303.050-A2	M 5	3.7	8	A2 s/s
P0303.060-A2	M 6	4.7	10	A2 s/s
P0303.080-A2	M 8	6.14	13	A2 s/s
P0303.100-100-A2	M10x1,0	7.64	17	A2 s/s
P0303.100-125-A2	M10x1,25	7.64	17	A2 s/s
P0303.100-A2	M10	7.64	17	A2 s/s
P0303.120-A2	M12	9.64	19	A2 s/s
P0303.120-125-A2	M12x1,25	9.64	19	A2 s/s
P0303.120-150-A2	M12x1,5	9.64	19	A2 s/s
P0303.140-A2	M14	10.3	22	A2 s/s
P0303.160-A2	M16	12.3	24	A2 s/s
P0303.160-150-A2	M16x1,5	12.3	24	A2 s/s
P0303.180-A2	M18	14.3	27	A2 s/s
P0303.200-A2	M20	14.9	30	A2 s/s
P0303.200-150-A2	M20x1,5	14.9	30	A2 s/s
P0303.220-A2	M22	16.9	32	A2 s/s
P0303.220-150-A2	M22x1,5	16.9	32	A2 s/s
P0303.240-A2	M24	17.7	36	A2 s/s
P0303.270-A2	M27	20.7	41	A2 s/s
P0303.270-200-A2	M27x2,0	20.7	41	A2 s/s
P0303.300-A2	M30	22.7	46	A2 s/s
P0303.300-200-A2	M30x2,0	22.7	46	A2 s/s



P0303.A4



Material

Stainless steel (A4).

Technical Notes

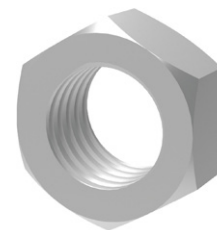
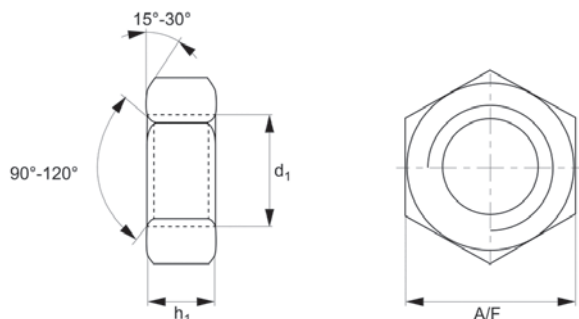
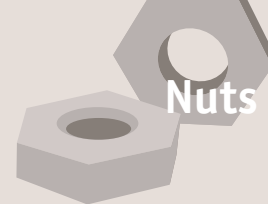
To DIN 934. These are the left hand thread versions.

Order No.	d_1	h_1 min.	A/F	Material
P0303.030-A4	M 3	2.15	5.5	A4 s/s
P0303.040-A4	M 4	2.9	7	A4 s/s
P0303.050-A4	M 5	3.7	8	A4 s/s
P0303.060-A4	M 6	4.7	10	A4 s/s
P0303.080-A4	M 8	6.14	13	A4 s/s
P0303.100-A4	M10	7.64	17	A4 s/s
P0303.120-A4	M12	9.64	19	A4 s/s
P0303.140-A4	M14	10.3	22	A4 s/s
P0303.160-A4	M16	12.3	24	A4 s/s
P0303.180-A4	M18	14.3	27	A4 s/s
P0303.200-A4	M20	14.9	30	A4 s/s
P0303.220-A4	M22	16.9	32	A4 s/s
P0303.240-A4	M24	17.7	36	A4 s/s
P0303.270-A4	M27	20.7	41	A4 s/s
P0303.300-A4	M30	22.7	46	A4 s/s



Full Nuts Left Hand Thread

Steel, zinc-plated



P0303.ZP

NUTS

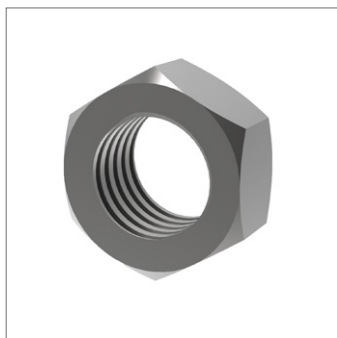
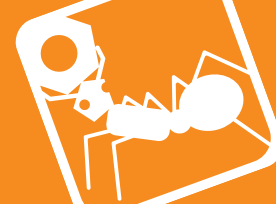
Material

Steel (class 8), zinc plated.

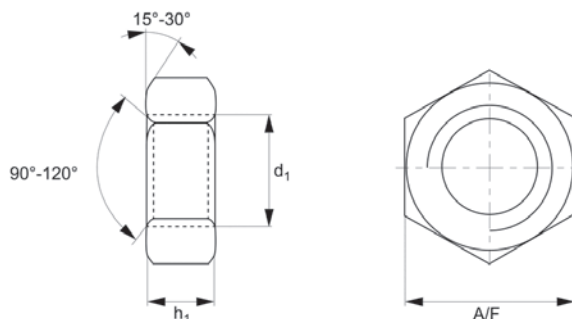
Technical Notes

To DIN 934. These are the left hand thread versions.

Order No.	d ₁	h ₁ min.	A/F	Material
P0303.050-ZP	M 5	3.7	8	Steel ZP
P0303.060-ZP	M 6	4.7	10	Steel ZP
P0303.080-ZP	M 8	6.14	13	Steel ZP
P0303.100-ZP	M10	7.64	17	Steel ZP
P0303.120-ZP	M12	9.64	19	Steel ZP
P0303.140-ZP	M14	10.3	22	Steel ZP
P0303.160-ZP	M16	12.3	24	Steel ZP
P0303.180-ZP	M18	14.3	27	Steel ZP
P0303.200-ZP	M20	14.9	30	Steel ZP
P0303.220-ZP	M22	16.9	32	Steel ZP
P0303.240-ZP	M24	17.7	36	Steel ZP
P0303.270-ZP	M27	20.7	41	Steel ZP
P0303.300-ZP	M30	22.7	46	Steel ZP



P0303.SC



Material

Steel (class 8), self-colour.

Technical Notes

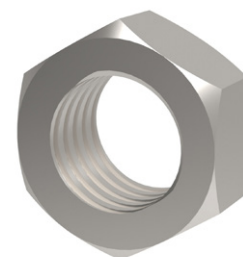
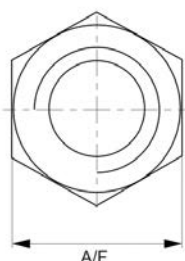
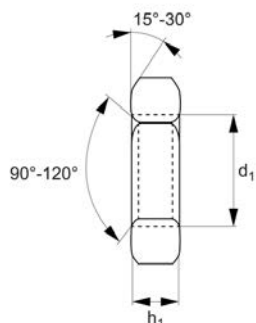
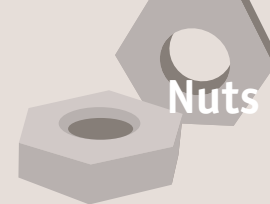
To DIN 934. These are the left hand thread versions.

Order No.	d_1	h_1 min.	A/F	Material
P0303.060-SC	M 6	4.7	10	Steel SC
P0303.080-SC	M 8	6.14	13	Steel SC
P0303.100-SC	M10	7.64	17	Steel SC
P0303.120-SC	M12	9.64	19	Steel SC
P0303.160-SC	M16	12.3	24	Steel SC
P0303.200-SC	M20	14.9	30	Steel SC
P0303.240-SC	M24	17.7	36	Steel SC



Lock Nuts Coarse Thread

A2 stainless



P0305.A2

NUTS

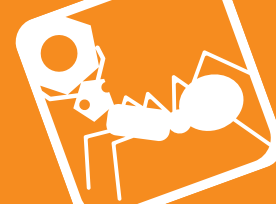
Material

Stainless steel (A2).

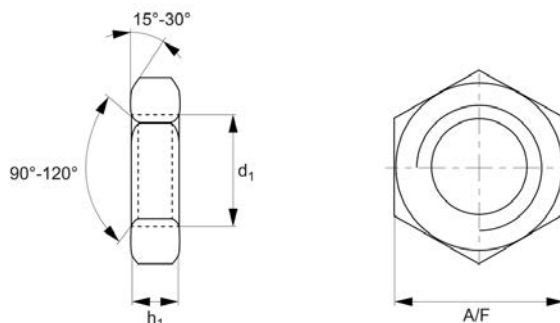
Technical Notes

To DIN 439. Standard metric coarse pitch threads.

Order No.	d ₁	h ₁	A/F	Material
P0305.016-A2	M1,6	0.75	3.2	A2 s/s
P0305.017-A2	M1,7	0.75	3.5	A2 s/s
P0305.020-A2	M 2	0.95	4	A2 s/s
P0305.023-A2	M2,3	0.95	4.5	A2 s/s
P0305.025-A2	M2,5	1.35	5	A2 s/s
P0305.026-A2	M2,6	1.35	5	A2 s/s
P0305.030-A2	M 3	1.55	5.5	A2 s/s
P0305.040-A2	M 4	1.95	7	A2 s/s
P0305.050-A2	M 5	2.45	8	A2 s/s
P0305.060-A2	M 6	2.9	10	A2 s/s
P0305.080-A2	M 8	3.7	13	A2 s/s
P0305.100-A2	M10	4.7	17	A2 s/s
P0305.120-A2	M12	5.7	19	A2 s/s
P0305.140-A2	M14	6.42	22	A2 s/s
P0305.160-A2	M16	7.42	24	A2 s/s
P0305.180-A2	M18	8.42	27	A2 s/s
P0305.200-A2	M20	9.1	30	A2 s/s
P0305.220-A2	M22	9.9	34	A2 s/s
P0305.240-A2	M24	10.9	36	A2 s/s
P0305.270-A2	M27	12.4	41	A2 s/s
P0305.300-A2	M30	13.9	46	A2 s/s
P0305.330-A2	M33	15.4	50	A2 s/s
P0305.360-A2	M36	16.9	55	A2 s/s
P0305.420-A2	M42	19.7	65	A2 s/s
P0305.480-A2	M48	22.7	75	A2 s/s



P0305.A4



Material

Stainless steel (A4).

threads.

For fine thread lock nuts see P0306.

Technical Notes

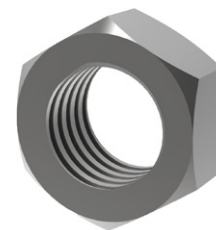
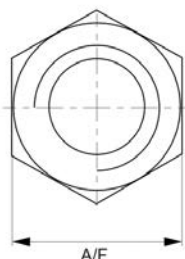
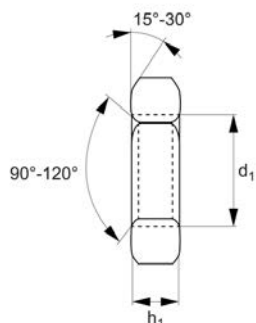
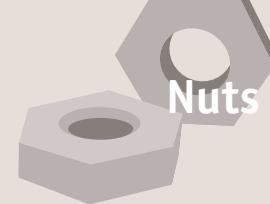
To DIN 439. Standard metric coarse pitch

Order No.	d_1	h_1	A/F	Material
P0305.016-A4	M1,6	0.75	3.2	A4 s/s
P0305.017-A4	M1,7	0.75	3.5	A4 s/s
P0305.020-A4	M 2	0.95	4	A4 s/s
P0305.023-A4	M2,3	0.95	4.5	A4 s/s
P0305.025-A4	M2,5	1.35	5	A4 s/s
P0305.026-A4	M2,6	1.35	5	A4 s/s
P0305.030-A4	M 3	1.55	5.5	A4 s/s
P0305.040-A4	M 4	1.95	7	A4 s/s
P0305.050-A4	M 5	2.45	8	A4 s/s
P0305.060-A4	M 6	2.9	10	A4 s/s
P0305.080-A4	M 8	3.7	13	A4 s/s
P0305.100-A4	M10	4.7	17	A4 s/s
P0305.120-A4	M12	5.7	19	A4 s/s
P0305.140-A4	M14	6.42	22	A4 s/s
P0305.160-A4	M16	7.42	24	A4 s/s
P0305.180-A4	M18	8.42	27	A4 s/s
P0305.200-A4	M20	9.1	30	A4 s/s
P0305.220-A4	M22	9.9	34	A4 s/s
P0305.240-A4	M24	10.9	36	A4 s/s
P0305.270-A4	M27	12.4	41	A4 s/s
P0305.300-A4	M30	13.9	46	A4 s/s
P0305.330-A4	M33	15.4	50	A4 s/s
P0305.360-A4	M36	16.9	55	A4 s/s
P0305.420-A4	M42	19.7	65	A4 s/s
P0305.480-A4	M48	22.7	75	A4 s/s



Lock Nuts Coarse Thread

Steel, self-colour



P0305.SC

NUTS

Material

Steel (class 4), self-colour.

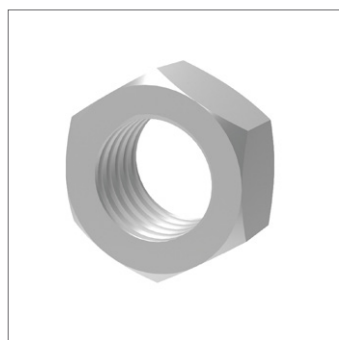
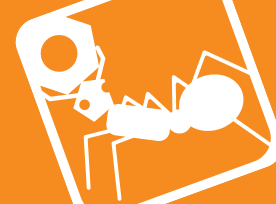
threads.

For fine thread lock nuts see P0306.

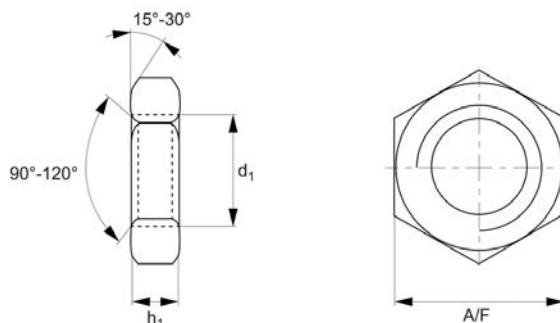
Technical Notes

To DIN 439. Standard metric coarse pitch

Order No.	d ₁	h ₁	A/F	Material
P0305.020-SC	M 2	0.95	4	Steel SC
P0305.025-SC	M2,6	1.35	5	Steel SC
P0305.030-SC	M 3	1.55	5.5	Steel SC
P0305.040-SC	M 4	1.95	7	Steel SC
P0305.050-SC	M 5	2.45	8	Steel SC
P0305.060-SC	M 6	2.9	10	Steel SC
P0305.080-SC	M 8	3.7	13	Steel SC
P0305.100-SC	M10	4.7	17	Steel SC
P0305.120-SC	M12	5.7	19	Steel SC
P0305.140-SC	M14	6.42	22	Steel SC
P0305.160-SC	M16	7.42	24	Steel SC
P0305.180-SC	M18	8.42	27	Steel SC
P0305.200-SC	M20	9.1	30	Steel SC
P0305.220-SC	M22	9.9	34	Steel SC
P0305.240-SC	M24	10.9	36	Steel SC
P0305.270-SC	M27	12.4	41	Steel SC
P0305.300-SC	M30	13.9	46	Steel SC
P0305.330-SC	M33	15.4	50	Steel SC
P0305.360-SC	M36	16.9	55	Steel SC
P0305.390-SC	M39	19.5	60	Steel SC
P0305.420-SC	M42	21	65	Steel SC
P0305.450-SC	M45	22.5	70	Steel SC
P0305.480-SC	M48	24	75	Steel SC
P0305.520-SC	M52	26	80	Steel SC
P0305.560-SC	M56	28	85	Steel SC
P0305.600-SC	M60	30	90	Steel SC



P0305.ZP



Material

Steel (class 4), zinc-plated.

threads.

For fine thread lock nuts see P0306.

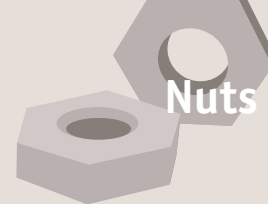
Technical Notes

To DIN 439. Standard metric coarse pitch

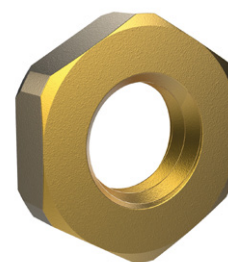
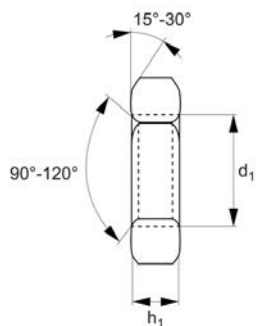
Order No.	d_1	h_1 min.	A/F	Material
P0305.020-ZP	M 2	0.95	4	Steel ZP
P0305.025-ZP	M2,5	1.35	5	Steel ZP
P0305.030-ZP	M 3	1.55	5.5	Steel ZP
P0305.040-ZP	M 4	1.95	7	Steel ZP
P0305.050-ZP	M 5	2.45	8	Steel ZP
P0305.060-ZP	M 6	2.9	10	Steel ZP
P0305.080-ZP	M 8	3.7	13	Steel ZP
P0305.100-ZP	M10	4.7	17	Steel ZP
P0305.120-ZP	M12	5.7	19	Steel ZP
P0305.140-ZP	M14	6.42	22	Steel ZP
P0305.160-ZP	M16	7.42	24	Steel ZP
P0305.180-ZP	M18	8.42	27	Steel ZP
P0305.200-ZP	M20	9.1	30	Steel ZP
P0305.220-ZP	M22	9.9	34	Steel ZP
P0305.240-ZP	M24	10.9	36	Steel ZP
P0305.270-ZP	M27	12.4	41	Steel ZP
P0305.300-ZP	M30	13.9	46	Steel ZP
P0305.330-ZP	M33	15.4	50	Steel ZP
P0305.360-ZP	M36	16.9	55	Steel ZP
P0305.420-ZP	M42	19.7	65	Steel ZP



Hexagon thin nuts unchamfered, DIN 439



Nuts



P0305.BR

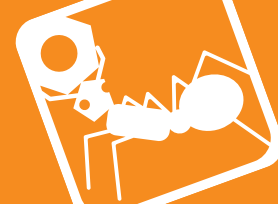
NUTS

Material

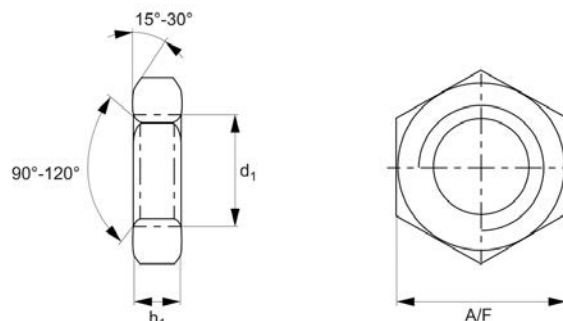
Brass, Cu3 (CuZn39Pb3).

Technical Notes

To DIN 439. Standard metric coarse pitch threads.



P0306.A2



Material

Stainless steel (AISI 303, 1.4305).

Technical Notes

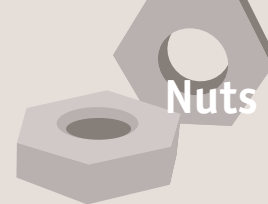
To DIN 439. Fine pitch threads.
For coarse thread lock nuts see P0305.

Order No.	d ₁	h ₁ min.	A/F	Material
P0306.080-100-A2	M 8x1,0	3.7	13	A2 s/s
P0306.100-100-A2	M10x1,0	4.7	17	A2 s/s
P0306.100-125-A2	M10x1,25	4.7	17	A2 s/s
P0306.120-125-A2	M12x1,25	5.7	19	A2 s/s
P0306.120-150-A2	M12x1,5	5.7	19	A2 s/s
P0306.140-150-A2	M14x1,5	6.42	22	A2 s/s
P0306.160-150-A2	M16x1,5	7.42	24	A2 s/s
P0306.180-150-A2	M18x1,5	8.42	27	A2 s/s
P0306.200-150-A2	M20x1,5	9.1	30	A2 s/s
P0306.220-150-A2	M22x1,5	9.9	34	A2 s/s
P0306.240-150-A2	M24x1,5	10.9	36	A2 s/s
P0306.240-200-A2	M24x2,0	10.9	36	A2 s/s
P0306.270-150-A2	M27x1,5	12.4	41	A2 s/s
P0306.270-200-A2	M27x2,0	12.4	41	A2 s/s
P0306.300-150-A2	M30x1,5	13.9	46	A2 s/s
P0306.300-200-A2	M30x2,0	13.9	46	A2 s/s
P0306.330-200-A2	M33x2,0	15.4	49	A2 s/s
P0306.360-150-A2	M36x1,5	16.9	55	A2 s/s

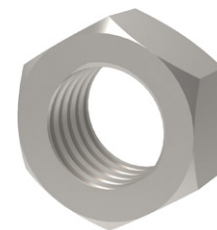
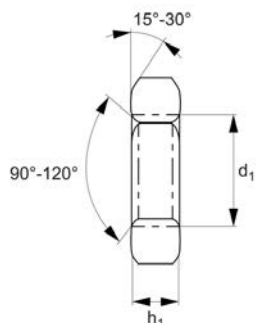


Lock Nuts Fine Thread

A4 stainless



Nuts



P0306.A4

NUTS

Material

Stainless steel (A4).

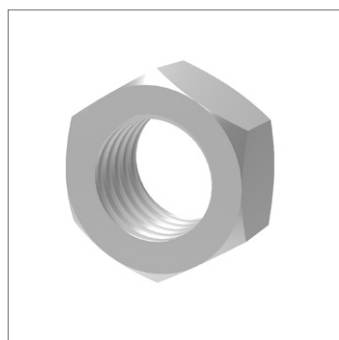
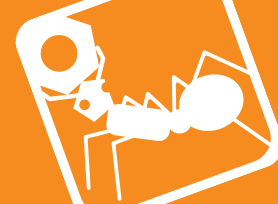
Technical Notes

To DIN 439. Fine pitch threads.

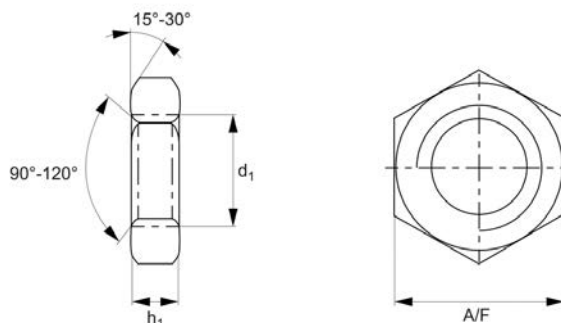
For coarse thread lock nuts see P0305.

Order No.	d_1	h_1	A/F	Material
P0306.080-100-A4	M 8x1,0	3.7	13	A4 s/s
P0306.100-100-A4	M10x1,0	4.7	17	A4 s/s
P0306.100-125-A4	M10x1,25	4.7	17	A4 s/s
P0306.120-125-A4	M12x1,25	5.7	19	A4 s/s
P0306.120-150-A4	M12x1,5	5.7	19	A4 s/s
P0306.140-150-A4	M14x1,5	6.42	22	A4 s/s
P0306.160-150-A4	M16x1,5	7.42	24	A4 s/s
P0306.180-150-A4	M18x1,5	8.42	27	A4 s/s
P0306.200-150-A4	M20x1,5	9.1	30	A4 s/s
P0306.220-150-A4	M22x1,5	9.9	34	A4 s/s
P0306.240-150-A4	M24x1,5	10.9	36	A4 s/s
P0306.240-200-A4	M24x2,0	10.9	36	A4 s/s
P0306.270-150-A4	M27x1,5	12.4	41	A4 s/s
P0306.270-200-A4	M27x2,0	12.4	41	A4 s/s
P0306.300-150-A4	M30x1,5	13.9	46	A4 s/s
P0306.300-200-A4	M30x2,0	13.9	46	A4 s/s
P0306.330-200-A4	M33x2,0	15.4	49	A4 s/s
P0306.360-150-A4	M36x1,5	16.9	55	A4 s/s





P0306.ZP



Material

Steel (class 4), zinc-plated.

Technical Notes

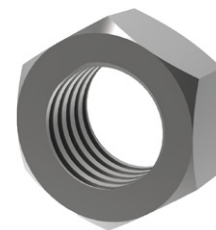
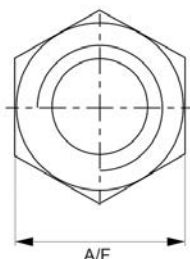
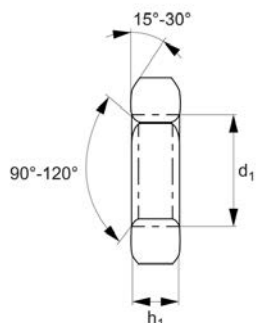
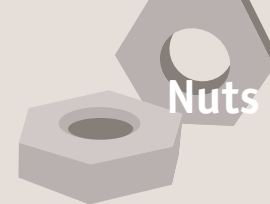
To DIN 439. Fine pitch threads.
For coarse thread lock nuts see P0305.

Order No.	d_1	h_1	A/F	Material
P0306.080-100-ZP	M 8x1,0	3.7	13	Steel ZP
P0306.100-100-ZP	M10x1,0	4.7	17	Steel ZP
P0306.100-125-ZP	M10x1,25	4.7	17	Steel ZP
P0306.120-125-ZP	M12x1,25	5.7	19	Steel ZP
P0306.120-150-ZP	M12x1,5	5.7	19	Steel ZP
P0306.140-150-ZP	M14x1,5	6.42	22	Steel ZP
P0306.160-150-ZP	M16x1,5	7.42	24	Steel ZP
P0306.180-150-ZP	M18x1,5	8.42	27	Steel ZP
P0306.200-150-ZP	M20x1,5	9.1	30	Steel ZP
P0306.200-200-ZP	M20x2,0	9.1	30	Steel ZP
P0306.220-150-ZP	M22x1,5	9.9	34	Steel ZP
P0306.240-150-ZP	M24x1,5	10.9	36	Steel ZP
P0306.240-200-ZP	M24x2,0	10.9	36	Steel ZP
P0306.270-150-ZP	M27x1,5	12.4	41	Steel ZP
P0306.270-200-ZP	M27x2,0	12.4	41	Steel ZP
P0306.300-150-ZP	M30x1,5	13.9	46	Steel ZP
P0306.300-200-ZP	M30x2,0	13.9	46	Steel ZP
P0306.330-200-ZP	M33x2,0	15.4	49	Steel ZP
P0306.360-150-ZP	M36x1,5	16.9	55	Steel ZP
P0306.360-200-ZP	M36x2,0	16.9	55	Steel ZP
P0306.360-300-ZP	M36x3,0	16.9	55	Steel ZP



Lock Nuts Fine Thread

Steel, self-colour



P0306.SC

NUTS

Material

Steel (class 4), self-colour.

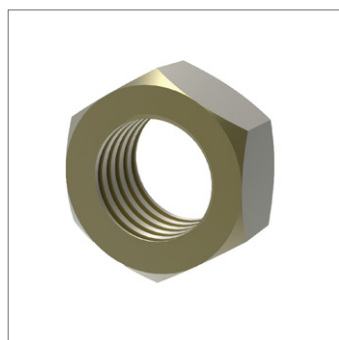
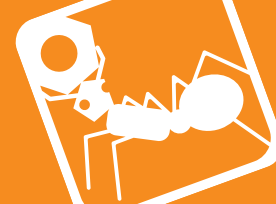
Technical Notes

To DIN 439. Fine pitch threads.

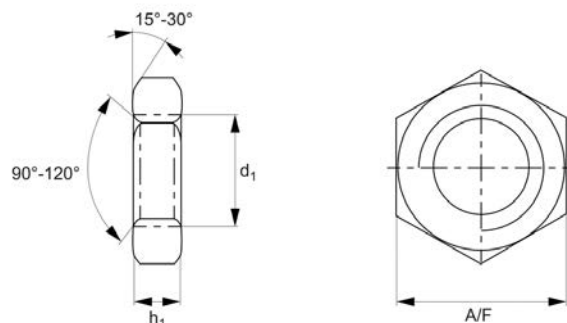
For coarse thread lock nuts see P0305.

Order No.	d ₁	h ₁	A/F	Material
P0306.080-100-SC	M 8x1,0	3.7	13	Steel SC
P0306.100-100-SC	M10x1,0	4.7	17	Steel SC
P0306.100-125-SC	M10x1,25	4.7	17	Steel SC
P0306.120-125-SC	M12x1,25	5.7	19	Steel SC
P0306.120-150-SC	M12x1,5	5.7	19	Steel SC
P0306.140-150-SC	M14x1,5	6.42	22	Steel SC
P0306.160-150-SC	M16x1,5	7.42	24	Steel SC
P0306.180-150-SC	M18x1,5	8.42	27	Steel SC
P0306.200-150-SC	M20x1,5	9.1	30	Steel SC
P0306.220-150-SC	M22x1,5	9.9	34	Steel SC
P0306.240-150-SC	M24x1,5	10.9	36	Steel SC
P0306.240-200-SC	M24x2,0	10.9	36	Steel SC
P0306.270-150-SC	M27x1,5	12.4	41	Steel SC
P0306.270-200-SC	M27x2,0	12.4	41	Steel SC
P0306.300-150-SC	M30x1,5	13.9	46	Steel SC
P0306.300-200-SC	M30x2,0	13.9	46	Steel SC
P0306.330-200-SC	M33x2,0	15.4	49	Steel SC
P0306.360-150-SC	M36x1,5	16.9	55	Steel SC
P0306.360-300-SC	M36x1,5	16.9	55	Steel SC
P0306.390-150-SC	M39x1,5	19.5	60	Steel SC
P0306.420-150-SC	M42x1,5	21	65	Steel SC
P0306.450-300-SC	M45x3,0	22.5	70	Steel SC
P0306.480-150-SC	M48x1,5	24	75	Steel SC
P0306.520-150-SC	M52x1,5	26	80	Steel SC
P0306.560-200-SC	M56x2,0	28	85	Steel SC





P0306.BR



Material

Brass.

Technical Notes

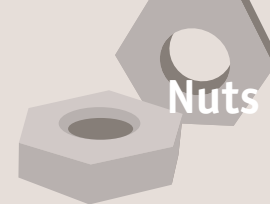
To DIN 439. Fine pitch threads.
For coarse thread lock nuts see P0305.

Order No.	d	h	A/F	Material
P0306.080-100-BR	M 8x1,0	3.7	13	Brass
P0306.100-100-BR	M10x1,0	4.7	17	Brass
P0306.120-150-BR	M12x1,5	5.7	19	Brass
P0306.140-150-BR	M14x1,5	6.42	22	Brass
P0306.160-150-BR	M16x1,5	7.42	24	Brass
P0306.180-150-BR	M18x1,5	8.42	27	Brass
P0306.200-150-BR	M20x1,5	9.1	30	Brass
P0306.220-150-BR	M22x1,5	9.9	34	Brass
P0306.240-150-BR	M24x1,5	10.9	36	Brass
P0306.270-150-BR	M27x1,5	12.4	41	Brass
P0306.300-150-BR	M30x1,5	13.9	46	Brass

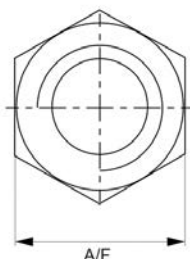
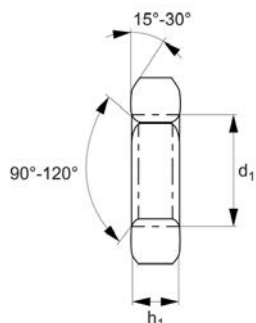


Lock Nuts Left Hand Thread

303 series stainless



Nuts



P0307.A2

NUTS

Material

Stainless steel (AISI 303, 1.4305).

Standard threads are coarse pitch.

Fine threads are indicated by an A & B suffix.

Technical Notes

To DIN 439. Left hand threads.

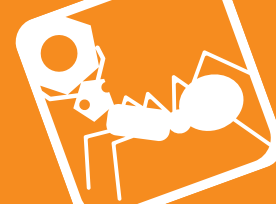
Order No.	d ₁	h ₁ min.	A/F	Material
P0307.060-A2	M 6	2.9	10	A2 s/s
P0307.080-A2	M 8	3.7	13	A2 s/s
P0307.100-A2	M10	4.7	17	A2 s/s
P0307.100-100-A2	M10x1,0	4.7	17	A2 s/s
P0307.100-125-A2	M10x1,25	4.7	17	A2 s/s
P0307.120-A2	M12	5.7	19	A2 s/s
P0307.120-100-A2	M12x1,0	5.7	19	A2 s/s
P0307.120-125-A2	M12x1,25	5.7	19	A2 s/s
P0307.120-150-A2	M12x1,5	5.7	19	A2 s/s
P0307.140-A2	M14	7	22	A2 s/s
P0307.160-A2	M16	7.42	24	A2 s/s
P0307.160-150-A2	M16x1,5	7.42	24	A2 s/s
P0307.180-A2	M18	9	27	A2 s/s
P0307.180-150-A2	M18x1,5	9	27	A2 s/s
P0307.200-A2	M20	9.1	30	A2 s/s
P0307.200-150-A2	M20x1,5	9.1	30	A2 s/s
P0307.220-A2	M22	9.1	32	A2 s/s
P0307.220-150-A2	M22x1,5	9.1	32	A2 s/s
P0307.240-A2	M24	10.9	36	A2 s/s
P0307.240-150-A2	M24x1,5	10.9	36	A2 s/s
P0307.240-200-A2	M24x2,0	10.9	36	A2 s/s
P0307.270-A2	M27	13.5	41	A2 s/s
P0307.270-150-A2	M27x1,5	13.5	41	A2 s/s
P0307.300-A2	M30	13.9	46	A2 s/s
P0307.300-150-A2	M30x1,5	13.9	46	A2 s/s
P0307.360-A2	M36	16.9	55	A2 s/s



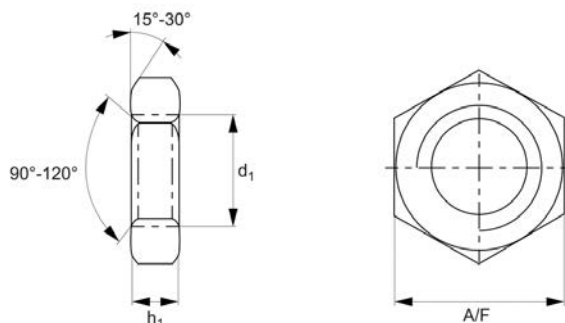
Automotion
AN ESSENTA COMPANY

0333 207 4498

sales@automotioncomponents.co.uk 25



P0307.A4



Material

Stainless steel (A4).

Technical Notes

To DIN 439. Left hand threads.

Standard threads are coarse pitch.

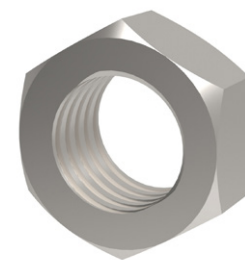
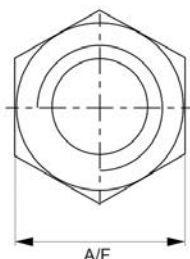
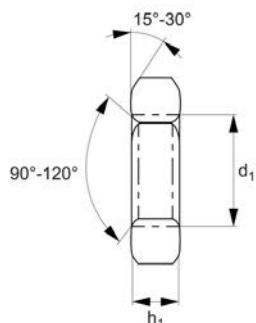
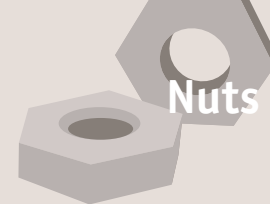
Fine threads are indicated by an A & B suffix.

Order No.	d_1	h_1	A/F	Material
P0307.060-A4	M 6	2.9	10	A4 s/s
P0307.080-A4	M 8	3.7	13	A4 s/s
P0307.100-A4	M10	4.7	17	A4 s/s
P0307.120-A4	M12	5.7	19	A4 s/s
P0307.160-A4	M16	7.42	24	A4 s/s
P0307.200-A4	M20	9.1	30	A4 s/s
P0307.240-A4	M24	10.9	36	A4 s/s
P0307.300-A4	M30	13.9	46	A4 s/s
P0307.360-A4	M36	16.9	55	A4 s/s



Lock Nuts Left Hand Thread

Steel, zinc-plated



P0307.ZP

NUTS

Material

Steel (class 4), zinc-plated.

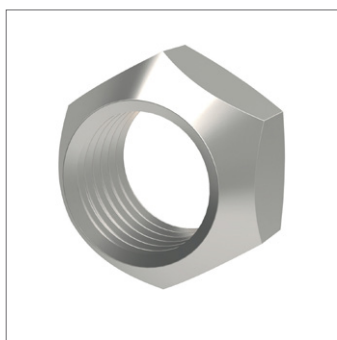
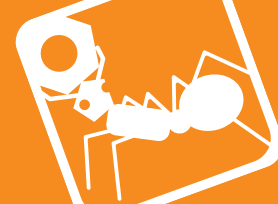
Standard threads are coarse pitch.

Fine threads are indicated by an A & B suffix.

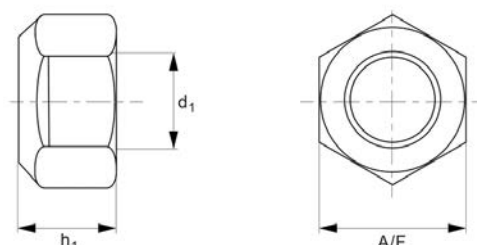
Technical Notes

To DIN 439. Left hand threads.

Order No.	d ₁	h ₁	A/F	Material
P0307.050-ZP	M 5	2.7	8	Steel ZP
P0307.060-ZP	M 6	2.9	10	Steel ZP
P0307.080-ZP	M 8	3.7	13	Steel ZP
P0307.100-ZP	M10	4.7	17	Steel ZP
P0307.100-100-ZP	M10x1,0	4.7	17	Steel ZP
P0307.100-125-ZP	M10x1,25	4.7	17	Steel ZP
P0307.120-ZP	M12	5.7	19	Steel ZP
P0307.120-100-ZP	M12x1,0	5.7	19	Steel ZP
P0307.120-125-ZP	M12x1,25	5.7	19	Steel ZP
P0307.120-150-ZP	M12x1,5	5.7	19	Steel ZP
P0307.160-ZP	M16	7.42	24	Steel ZP
P0307.160-150-ZP	M16x1,5	7.42	24	Steel ZP
P0307.180-150-ZP	M18x1,5	9	27	Steel ZP
P0307.200-ZP	M20	9.1	30	Steel ZP
P0307.200-150-ZP	M20x1,5	9.1	30	Steel ZP
P0307.220-150-ZP	M22x1,5	9.1	32	Steel ZP
P0307.240-ZP	M24	10.9	36	Steel ZP
P0307.240-150-ZP	M24x1,5	10.9	36	Steel ZP
P0307.240-200-ZP	M24x2,0	10.9	36	Steel ZP
P0307.270-ZP	M27	13.5	41	Steel ZP
P0307.270-150-ZP	M27x1,5	13.5	41	Steel ZP
P0307.300-ZP	M30	13.9	46	Steel ZP
P0307.300-150-ZP	M30x1,5	13.9	46	Steel ZP
P0307.300-200-ZP	M30x2,0	13.9	46	Steel ZP
P0307.360-150-ZP	M36x1,5	18	55	Steel ZP
P0307.360-300-ZP	M36x3,0	18	55	Steel ZP



P0308.A2



Material

Stainless steel (A2).

Technical Notes

To DIN 980 V.

Reusable, resistant to shocks, vibrations and dynamic loads.

The locking function is achieved by the deformation of part of the nut. The nut will

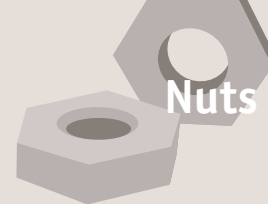
run smoothly until it reaches the deformed part at which point the clamping force will increase.

Order No.	d_1	h_1	A/F	Material
P0308.030-A2	M 3	3	5.5	A2 s/s
P0308.040-A2	M 4	4	7	A2 s/s
P0308.050-A2	M 5	5	8	A2 s/s
P0308.060-A2	M 6	6	10	A2 s/s
P0308.080-A2	M 8	8	13	A2 s/s
P0308.100-A2	M10	10	17	A2 s/s
P0308.120-A2	M12	12	19	A2 s/s
P0308.160-A2	M16	16	24	A2 s/s
P0308.200-A2	M20	20	30	A2 s/s
P0308.220-A2	M22	22	32	A2 s/s
P0308.240-A2	M24	24	36	A2 s/s

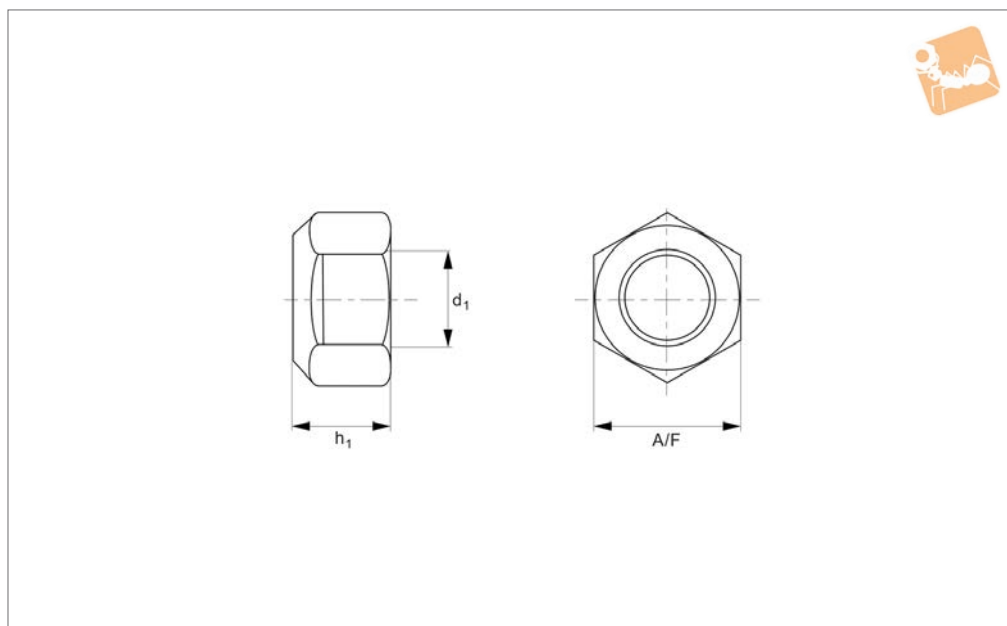


Stover Nuts

oval lock nuts



Nuts



P0308.ZP

NUTS

Material

Steel (class 8), zinc-plated.

Technical Notes

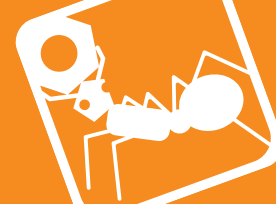
To DIN 980 V.

Reusable, resistant to shocks, vibrations and dynamic loads.

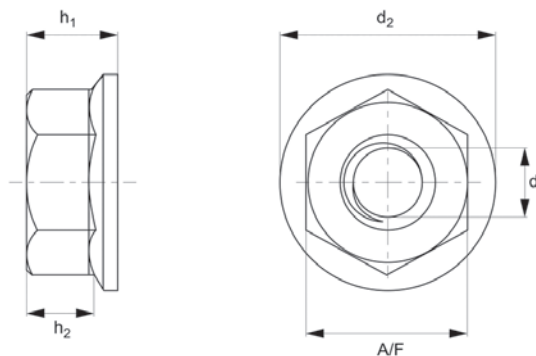
The locking function is achieved by the deformation of part of the nut. The nut will

run smoothly until it reaches the deformed part at which point the clamping force will increase.

Order No.	d_1	h_1	A/F	Material
P0308.050-ZP	M 5	5	8	Steel ZP
P0308.060-ZP	M 6	6	10	Steel ZP
P0308.080-ZP	M 8	8	13	Steel ZP
P0308.100-ZP	M10	10	17	Steel ZP
P0308.120-ZP	M12	12	19	Steel ZP
P0308.140-ZP	M14	14	22	Steel ZP
P0308.160-ZP	M16	16	24	Steel ZP
P0308.200-ZP	M20	20	30	Steel ZP
P0308.240-ZP	M24	24	36	Steel ZP
P0308.300-ZP	M30	30	46	Steel ZP



P0309.A2



Material

Stainless steel (A2).

Technical Notes

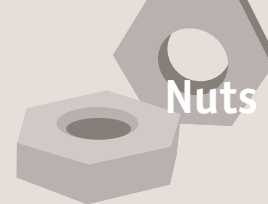
To DIN 6923, serrated.

Order No.	d ₁	d ₂ max.	h ₁ max.	h ₂ min.	A/F	Material
P0309.040-A2	M 4	10	4.65	1.9	7	A2 s/s
P0309.030-A2	M 3	8	3.7	-	5.5	A2 s/s
P0309.050-A2	M 5	11.8	5.0	2.2	8	A2 s/s
P0309.060-A2	M 6	14.2	6.0	3.1	10	A2 s/s
P0309.080-A2	M 8	17.9	8.0	4.5	13	A2 s/s
P0309.100-A2	M10	21.8	10.0	5.5	15	A2 s/s
P0309.120-A2	M12	26.0	12.0	6.7	18	A2 s/s
P0309.160-A2	M16	34.5	16.0	-	24	A2 s/s

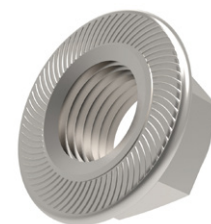
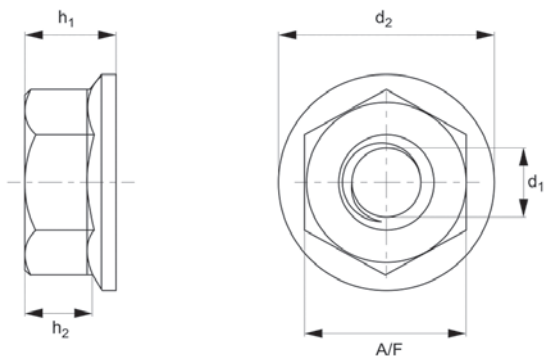


Serrated Flanged Nuts

Serrated - A4 stainless



Nuts



P0309.A4

NUTS

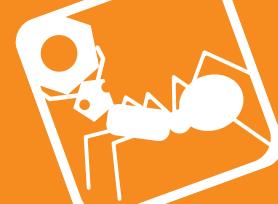
Material

Stainless steel (A4).

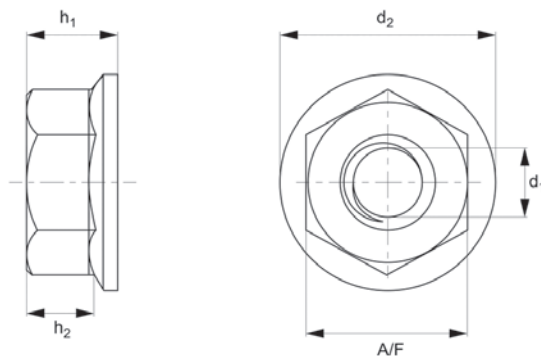
Technical Notes

To DIN 6923, serrated.

Order No.	d ₁	d ₂ max.	h ₁ max.	h ₂ min.	A/F	Material
P0309.030-A4	M 3	8	3.7	-	5.5	A4 s/s
P0309.040-A4	M 4	10	4.65	1.9	7	A4 s/s
P0309.050-A4	M 5	11.8	5.0	2.2	8	A4 s/s
P0309.060-A4	M 6	14.2	6.0	3.1	10	A4 s/s
P0309.080-A4	M 8	17.9	8.0	4.5	13	A4 s/s
P0309.100-A4	M10	21.8	10.0	5.5	15	A4 s/s
P0309.120-A4	M12	26.0	12.0	6.7	18	A4 s/s
P0309.160-A4	M16	34.5	16.0	-	24	A4 s/s



P0309.ZP



Material

Steel (class 8), zinc-plated.

Technical Notes

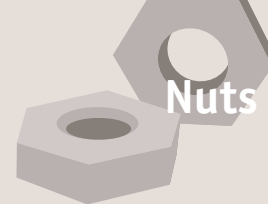
To DIN 6923, serrated.

Order No.	d_1	d_2 max.	h_1 max.	h_2 min.	A/F	Material
P0309.040-ZP	M 4	10	4.65	1.9	7	Steel ZP
P0309.050-ZP	M 5	11.8	5.0	2.2	8	Steel ZP
P0309.060-ZP	M 6	14.2	6.0	3.1	10	Steel ZP
P0309.080-ZP	M 8	17.9	8.0	4.5	13	Steel ZP
P0309.100-ZP	M10	21.8	10.0	5.5	15	Steel ZP
P0309.120-ZP	M12	26.0	12.0	6.7	18	Steel ZP
P0309.160-ZP	M16	34.5	16.0	-	24	Steel ZP
P0309.200-ZP	M20	42.8	20.0	-	30	Steel ZP

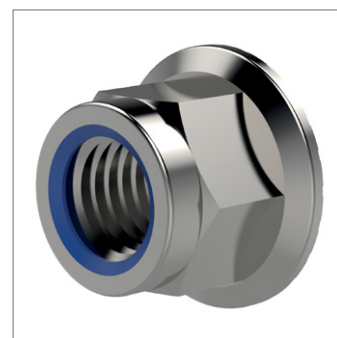
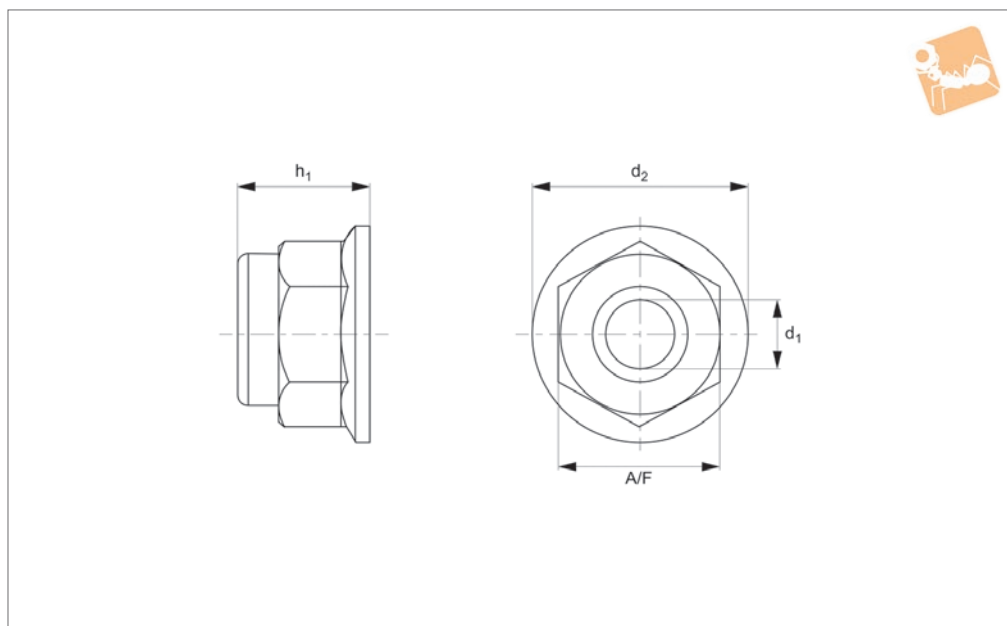


Nylon Insert Serrated Flanged Nuts

Serrated - A2 stainless nylon insert



Nuts



P0310.A2

NUTS

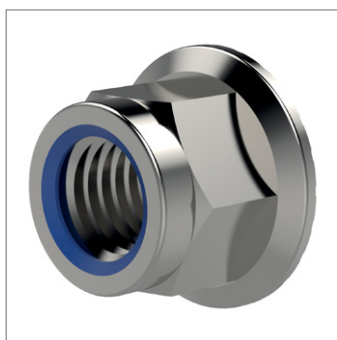
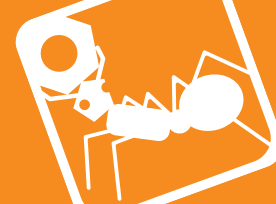
Material

Stainless steel (A2).

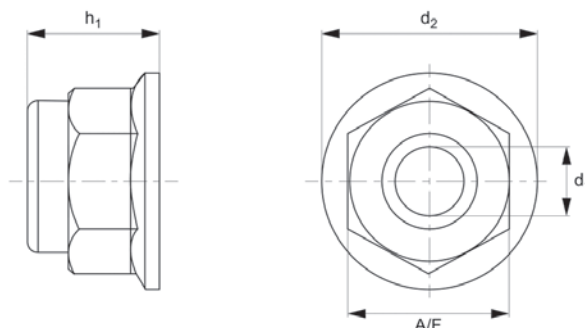
Technical Notes

To DIN 6926, serrated.

Order No.	d ₁	d ₂ max.	h ₁	A/F	Material
P0310.040-A2	M 4	10	6,10 - 5,74	7	A2 stainless steel
P0310.050-A2	M 5	11.8	7,10 - 6,74	8	A2 stainless steel
P0310.060-A2	M 6	14.2	9,10 - 8,74	10	A2 stainless steel
P0310.080-A2	M 8	17.9	11,10 - 10,67	13	A2 stainless steel
P0310.100-A2	M10	21.8	13,50 - 13,07	15	A2 stainless steel
P0310.120-A2	M12	26.0	16,10 - 15,67	18	A2 stainless steel



P0310.A4



Material

Stainless steel (A4).

Technical Notes

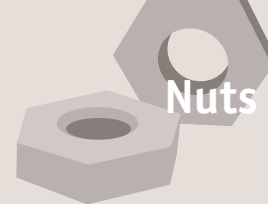
To DIN 6926, serrated.

Order No.	d_1	d_2 max.	h_1	A/F	Material
P0310.040-A4	M 4	10	6,10 - 5,74	7	A4 stainless steel
P0310.050-A4	M 5	11.8	7,10 - 6,74	8	A4 stainless steel
P0310.060-A4	M 6	14.2	9,10 - 8,74	10	A4 stainless steel
P0310.080-A4	M 8	17.9	11,10 - 10,67	13	A4 stainless steel
P0310.100-A4	M10	21.8	13,50 - 13,07	15	A4 stainless steel
P0310.120-A4	M12	26.0	16,10 - 15,67	18	A4 stainless steel

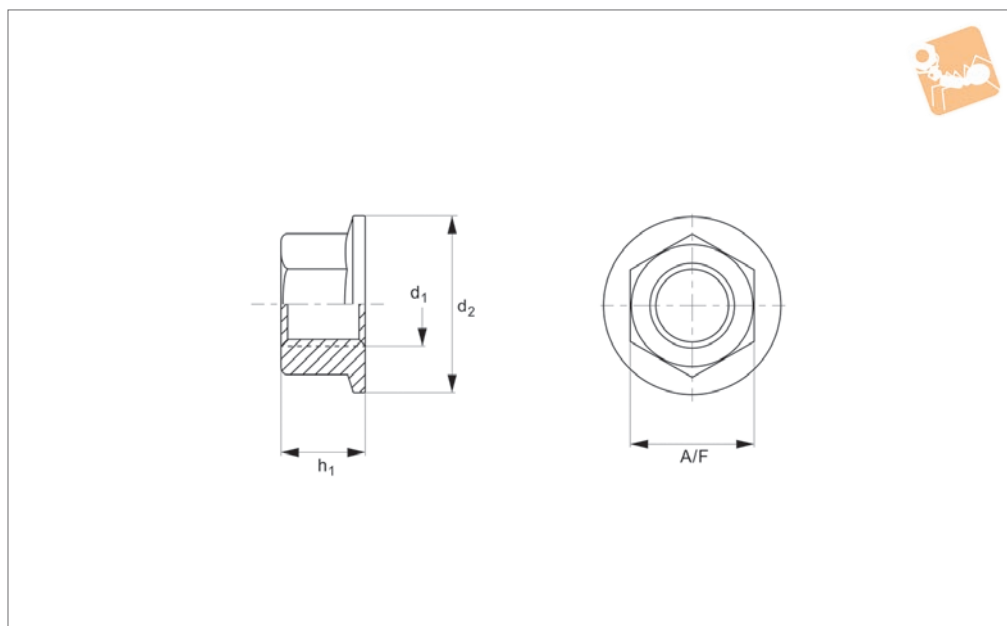


Flanged Nuts

A2 Stainless



Nuts



P0311.A2

NUTS

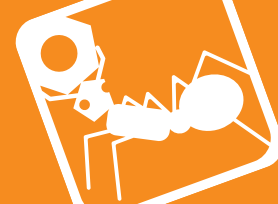
Material

Stainless steel (A2).

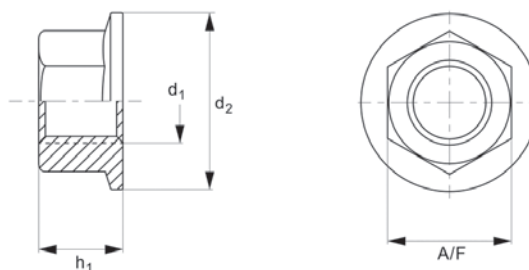
Technical Notes

To DIN 6923.

Order No.	d ₁	d ₂ max.	h ₁ max.	A/F	Material
P0311.040-A2	M 4	10.0	4.5	7	A2 s/s
P0311.050-A2	M 5	11.8	5.0	8	A2 s/s
P0311.060-A2	M 6	14.2	6.0	10	A2 s/s
P0311.080-A2	M 8	17.9	8.0	13	A2 s/s
P0311.100-A2	M10	21.8	10.0	15	A2 s/s
P0311.120-A2	M12	26.0	12.0	18	A2 s/s
P0311.160-A2	M16	34.5	16.0	24	A2 s/s
P0311.200-A2	M20	43.0	20.0	30	A2 s/s
P0311.240-A2	M24	51.0	24.0	36	A2 s/s



P0311.ZP



Material

Steel (class 8), zinc-plated.

Technical Notes

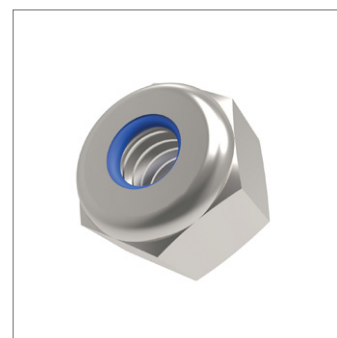
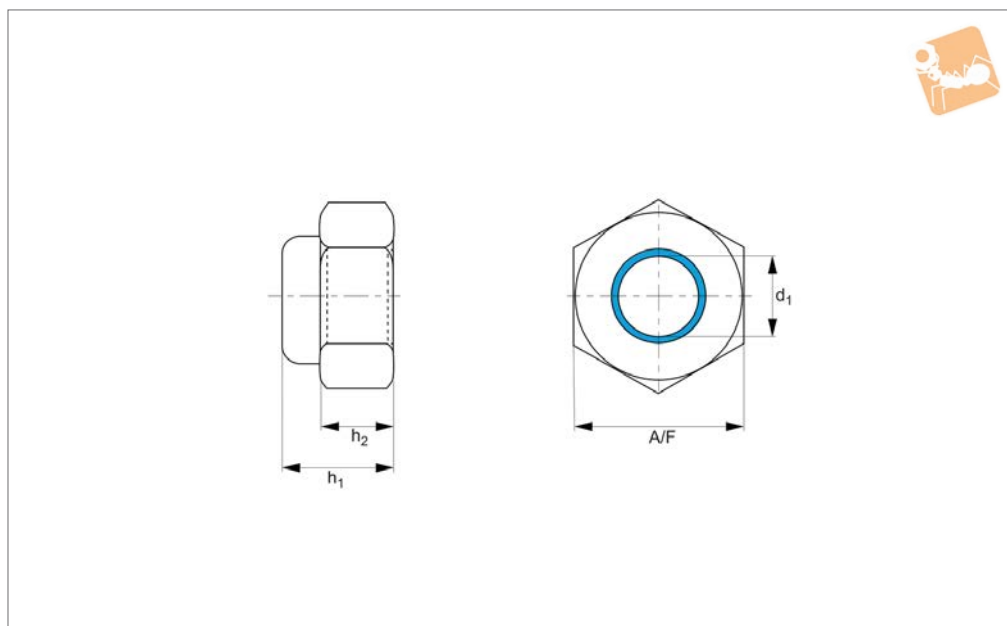
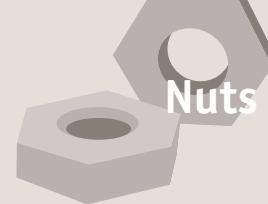
To DIN 6923.

Order No.	d_1	d_2 max.	h_1 max.	A/F	Material
P0311.040-ZP	M 4	10.0	4.5	7	Steel ZP
P0311.050-ZP	M 5	11.8	5.0	8	Steel ZP
P0311.060-ZP	M 6	14.2	6.0	10	Steel ZP
P0311.080-ZP	M 8	17.9	8.0	13	Steel ZP
P0311.100-ZP	M10	21.8	10.0	15	Steel ZP
P0311.120-ZP	M12	26.0	12.0	18	Steel ZP
P0311.160-ZP	M16	34.5	16.0	24	Steel ZP
P0311.200-ZP	M20	43.0	20.0	30	Steel ZP
P0311.240-ZP	M24	51.0	24.0	36	Steel ZP



Nylon Insert Nuts

Type T - A2 stainless



P0314.A2

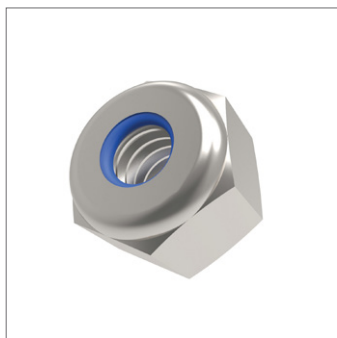
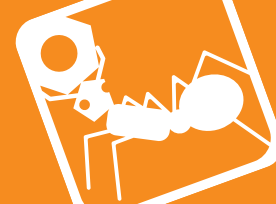
Material

Stainless steel (A2).

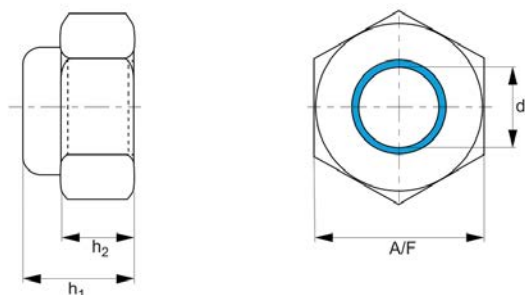
Technical Notes

To DIN 985.

Order No.	d ₁	h ₁	h ₂	A/F	Material
P0314.025-A2	M 2,5	3.8	2.0	5	A2 s/s
P0314.030-A2	M 3	4.0	2.4	5.5	A2 s/s
P0314.040-A2	M 4	5.0	3.2	7	A2 s/s
P0314.050-A2	M 5	5.0	4.0	8	A2 s/s
P0314.060-A2	M 6	6.0	5.0	10	A2 s/s
P0314.080-A2	M 8	8.0	6.5	13	A2 s/s
P0314.080-100-A2	M 8x1,0	8.0	6.5	13	A2 s/s
P0314.100-A2	M10	10	8.0	17	A2 s/s
P0314.100-100-A2	M10x1,0	10	8.0	17	A2 s/s
P0314.120-A2	M12	12	10	19	A2 s/s
P0314.120-150-A2	M12x1,5	12	10	19	A2 s/s
P0314.140-A2	M14	14	11	22	A2 s/s
P0314.160-A2	M16	16	13	24	A2 s/s
P0314.160-150-A2	M16x1,5	16	13	24	A2 s/s
P0314.180-A2	M18	18.5	15	27	A2 s/s
P0314.200-A2	M20	20	16	30	A2 s/s
P0314.200-150-A2	M20x1,5	20	16	30	A2 s/s
P0314.220-A2	M22	22	18	32	A2 s/s
P0314.240-A2	M24	24	19	36	A2 s/s
P0314.240-150-A2	M24x1,5	24	19	36	A2 s/s
P0314.270-A2	M27	27	22	41	A2 s/s
P0314.300-A2	M30	30	24	46	A2 s/s
P0314.330-A2	M33	33	26	50	A2 s/s
P0314.360-A2	M36	36	29	55	A2 s/s



P0314.A4



Material

Stainless steel (A4).

Technical Notes

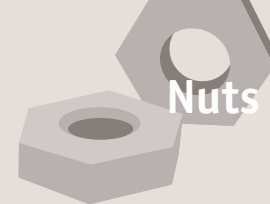
To DIN 985.

Order No.	d_1	h_1	h_2	A/F	Material
P0314.025-A4	M 2,5	3.8	2.0	5	A4 s/s
P0314.030-A4	M 3	4.0	2.4	5.5	A4 s/s
P0314.040-A4	M 4	5.0	3.2	7	A4 s/s
P0314.050-A4	M 5	5.0	4.0	8	A4 s/s
P0314.060-A4	M 6	6.0	5.0	10	A4 s/s
P0314.080-A4	M 8	8.0	6.5	13	A4 s/s
P0314.080-100-A4	M 8x1,0	8.0	6.5	13	A4 s/s
P0314.100-A4	M10	10	8.0	17	A4 s/s
P0314.100-100-A4	M10x1,0	10	8.0	17	A4 s/s
P0314.120-A4	M12	12	10	19	A4 s/s
P0314.120-150-A4	M12x1,5	12	10	19	A4 s/s
P0314.140-A4	M14	14	11	22	A4 s/s
P0314.160-A4	M16	16	13	24	A4 s/s
P0314.160-150-A4	M16x1,5	16	13	24	A4 s/s
P0314.180-A4	M18	18.5	15	27	A4 s/s
P0314.200-A4	M20	20	16	30	A4 s/s
P0314.200-150-A4	M20x1,5	20	16	30	A4 s/s
P0314.220-A4	M22	22	18	32	A4 s/s
P0314.240-A4	M24	24	19	36	A4 s/s
P0314.240-150-A4	M24x1,5	24	19	36	A4 s/s
P0314.270-A4	M27	27	22	41	A4 s/s
P0314.300-A4	M30	30	24	46	A4 s/s
P0314.330-A4	M33	33	26	50	A4 s/s
P0314.360-A4	M36	36	29	55	A4 s/s

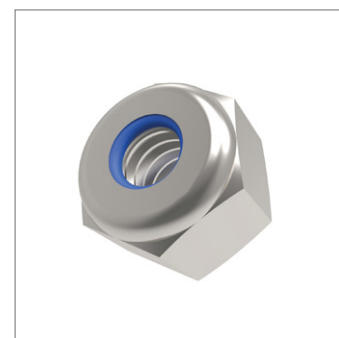
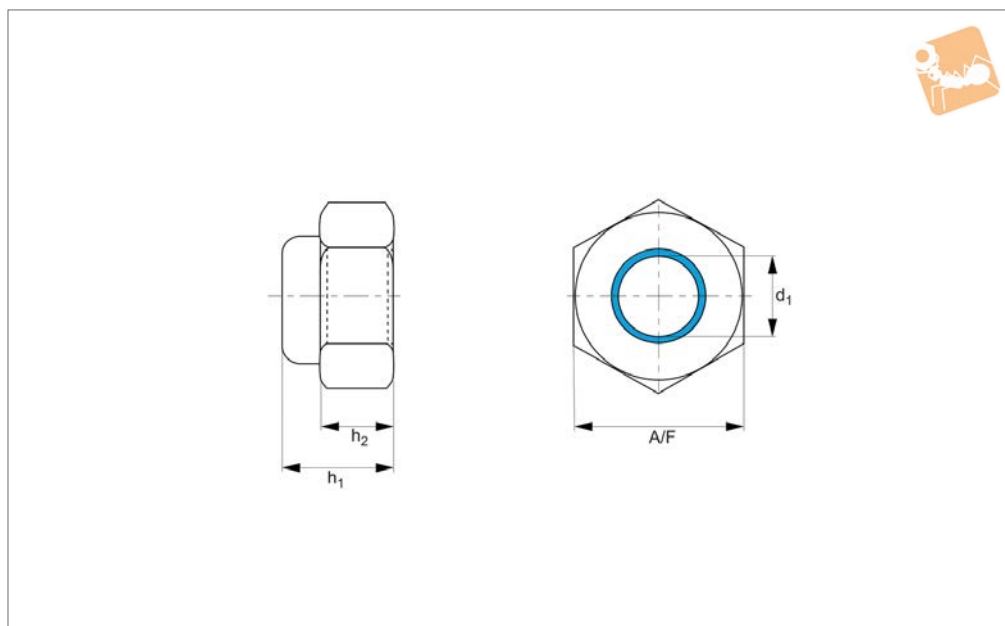


Nylon Insert Nuts

Type T - steel, zinc-plated



Nuts



P0314.ZP

NUTS

Material

Steel (class>5), zinc-plated.

Technical Notes

To DIN 985.

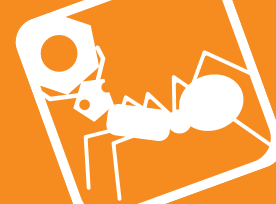
Order No.	d ₁	h ₁	h ₂	A/F	Material
P0314.025-ZP	M 2,5	3.8	2.0	5	Steel ZP
P0314.030-ZP	M 3	4.0	2.4	5.5	Steel ZP
P0314.040-ZP	M 4	5.0	3.2	7	Steel ZP
P0314.050-ZP	M 5	5.0	4.0	8	Steel ZP
P0314.060-ZP	M 6	6.0	5.0	10	Steel ZP
P0314.080-ZP	M 8	8.0	6.5	13	Steel ZP
P0314.080-100-ZP	M 8x1,0	8.0	6.5	13	Steel ZP
P0314.100-ZP	M10	10	8.0	17	Steel ZP
P0314.100-100-ZP	M10x1,0	10	8.0	17	Steel ZP
P0314.100-125-ZP	M10x1,25	10	8.0	17	Steel ZP
P0314.120-ZP	M12	12	10	19	Steel ZP
P0314.120-125-ZP	M12x1,25	12	10	19	Steel ZP
P0314.120-150-ZP	M12x1,5	12	10	19	Steel ZP
P0314.140-ZP	M14	14	11	22	Steel ZP
P0314.140-150-ZP	M14x1,5	14	11	22	Steel ZP
P0314.160-ZP	M16	16	13	24	Steel ZP
P0314.160-150-ZP	M16x1,5	16	13	24	Steel ZP
P0314.180-ZP	M18	18.5	15	27	Steel ZP
P0314.180-150-ZP	M18x1,5	18.5	15	27	Steel ZP
P0314.200-ZP	M20	20	16	30	Steel ZP
P0314.200-150-ZP	M20x1,5	20	16	30	Steel ZP
P0314.200-200-ZP	M20x2,0	20	16	30	Steel ZP
P0314.220-ZP	M22	22	18	32	Steel ZP
P0314.220-150-ZP	M22x1,5	22	18	32	Steel ZP
P0314.240-ZP	M24	24	19	36	Steel ZP
P0314.240-150-ZP	M24x1,5	24	19	36	Steel ZP
P0314.240-200-ZP	M24x2,0	24	19	36	Steel ZP
P0314.270-ZP	M27	27	22	41	Steel ZP
P0314.270-150-ZP	M27x1,5	27	22	41	Steel ZP
P0314.270-200-ZP	M27x2,0	27	22	41	Steel ZP
P0314.300-ZP	M30	30	24	46	Steel ZP
P0314.300-150-ZP	M30x1,5	30	24	46	Steel ZP
P0314.300-200-ZP	M30x2,0	30	24	46	Steel ZP
P0314.330-ZP	M33	33	26	50	Steel ZP
P0314.330-150-ZP	M33x1,5	33	26	50	Steel ZP

Nuts



Nylon Insert Nuts

Type T - steel, zinc-plated

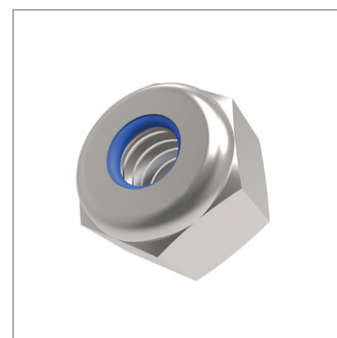
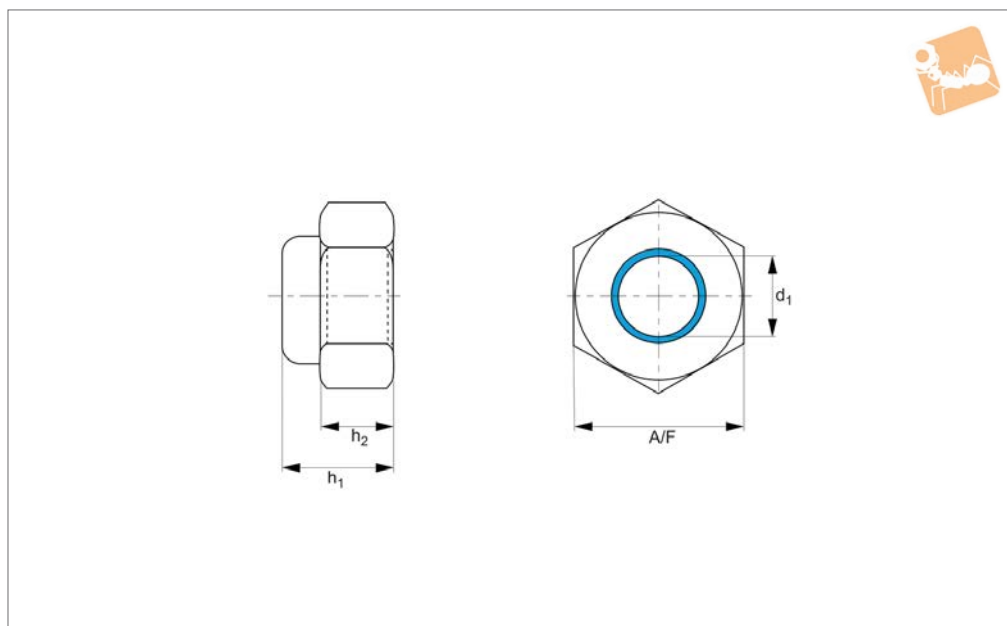
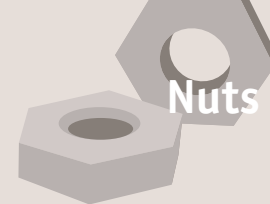


Order No.	d ₁	h ₁	h ₂	A/F	Material
P0314.330-200-ZP	M33x2,0	33	26	50	Steel ZP
P0314.360-ZP	M36	36	29	55	Steel ZP
P0314.360-150-ZP	M36x1,5	36	29	55	Steel ZP
P0314.360-300-ZP	M36x3,0	36	29	55	Steel ZP
P0314.420-ZP	M42	42	34	65	Steel ZP
P0314.420-300-ZP	M42x3,0	42	34	65	Steel ZP
P0314.480-ZP	M48	48	38	75	Steel ZP



Nylon Insert Nuts - High Type

High type - A2 stainless



P0315.A2

NUTS

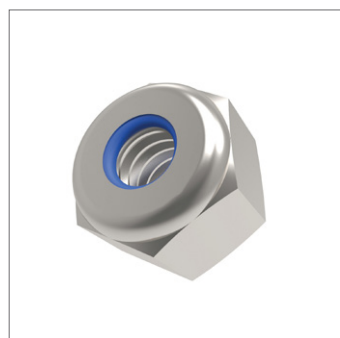
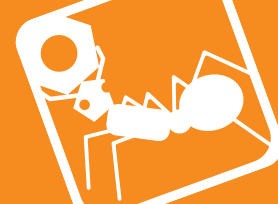
Material

Stainless steel (A2).

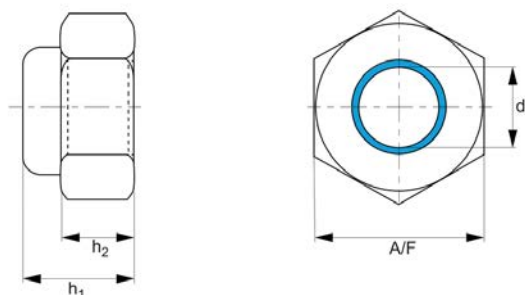
Technical Notes

To DIN 982.

Order No.	d_1	h_1	h_2	A/F	Material
P0315.040-A2	M 4	6.0	3.6	7	A2 s/s
P0315.050-A2	M 5	6.3	4.4	8	A2 s/s
P0315.060-A2	M 6	8.0	4.9	10	A2 s/s
P0315.080-A2	M 8	9.5	6.4	13	A2 s/s
P0315.100-A2	M10	11.5	8.0	17	A2 s/s
P0315.120-A2	M12	19	14	19	A2 s/s
P0315.140-A2	M14	16	12	22	A2 s/s
P0315.160-A2	M16	18	14	24	A2 s/s
P0315.200-A2	M20	22	17	30	A2 s/s
P0315.240-A2	M24	28	20	36	A2 s/s



P0315.A4



Material

Stainless steel (A4).

Technical Notes

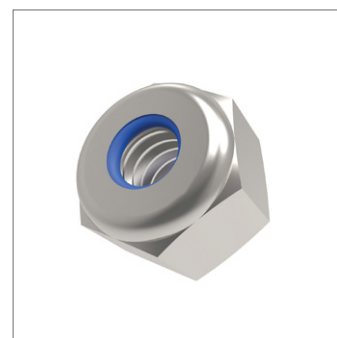
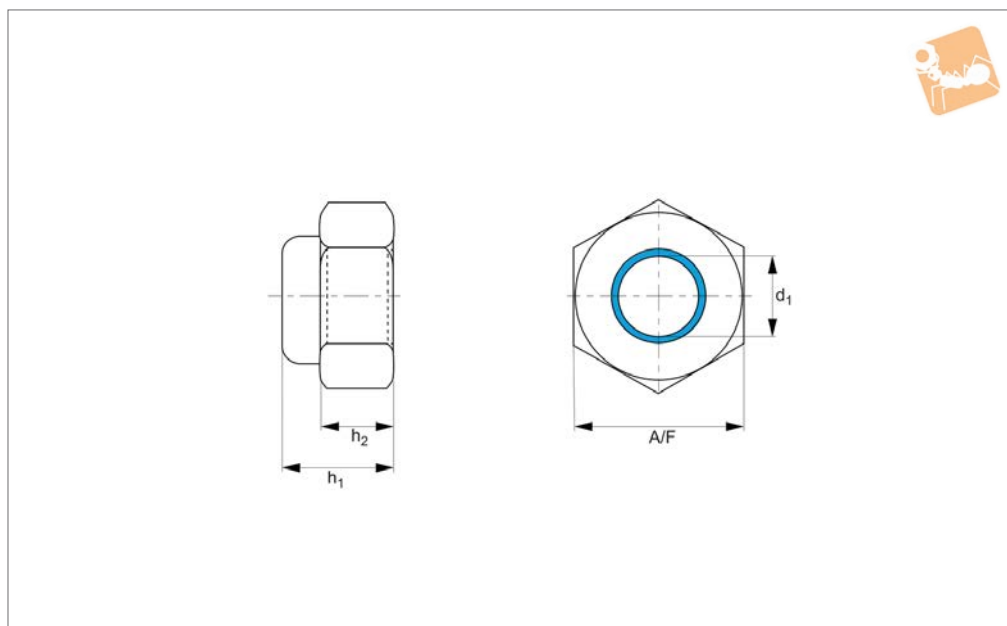
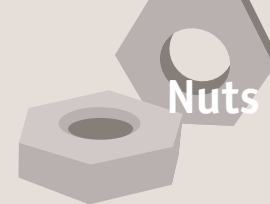
To DIN 982.

Order No.	d_1	h_1	h_2	A/F	Material
P0315.050-A4	M 5	6.3	4.4	8	A4 s/s
P0315.040-A4	M 4	6.0	3.6	7	A4 s/s
P0315.060-A4	M 6	8.0	4.9	10	A4 s/s
P0315.080-A4	M 8	9.5	6.4	13	A4 s/s
P0315.100-A4	M10	11.5	8.0	17	A4 s/s
P0315.120-A4	M12	19	14	19	A4 s/s
P0315.140-A4	M14	16	12	22	A4 s/s
P0315.160-A4	M16	18	14	24	A4 s/s
P0315.200-A4	M20	22	17	30	A4 s/s
P0315.240-A4	M24	28	20	36	A4 s/s



Nylon Insert Nuts - High Type

Hight type - steel, zinc-plated



P0315.ZP

NUTS

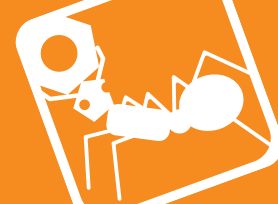
Material

Steel (class 8), zinc-plated.

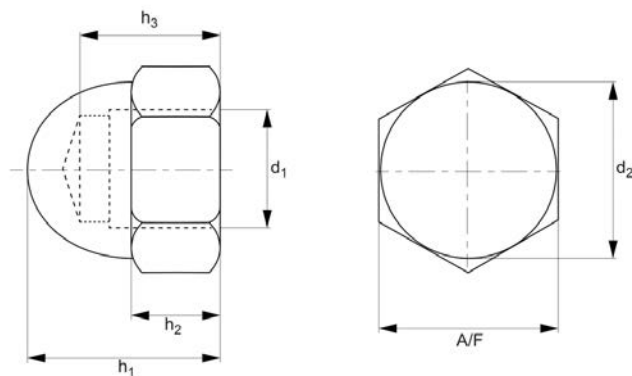
Technical Notes

To DIN 982.

Order No.	d ₁	h ₁	h ₂	A/F	Material
P0315.050-ZP	M 5	6.3	4.4	8	Steel ZP
P0315.060-ZP	M 6	8.0	4.9	10	Steel ZP
P0315.080-ZP	M 8	9.5	6.4	13	Steel ZP
P0315.100-ZP	M10	11.5	8.0	17	Steel ZP
P0315.120-ZP	M12	19	14	19	Steel ZP
P0315.140-ZP	M14	16	12	22	Steel ZP
P0315.160-ZP	M16	18	14	24	Steel ZP
P0315.200-ZP	M20	22	17	30	Steel ZP
P0315.240-ZP	M24	28	20	36	Steel ZP



P0318.A2



Material

Stainless steel (A2).

Technical Notes

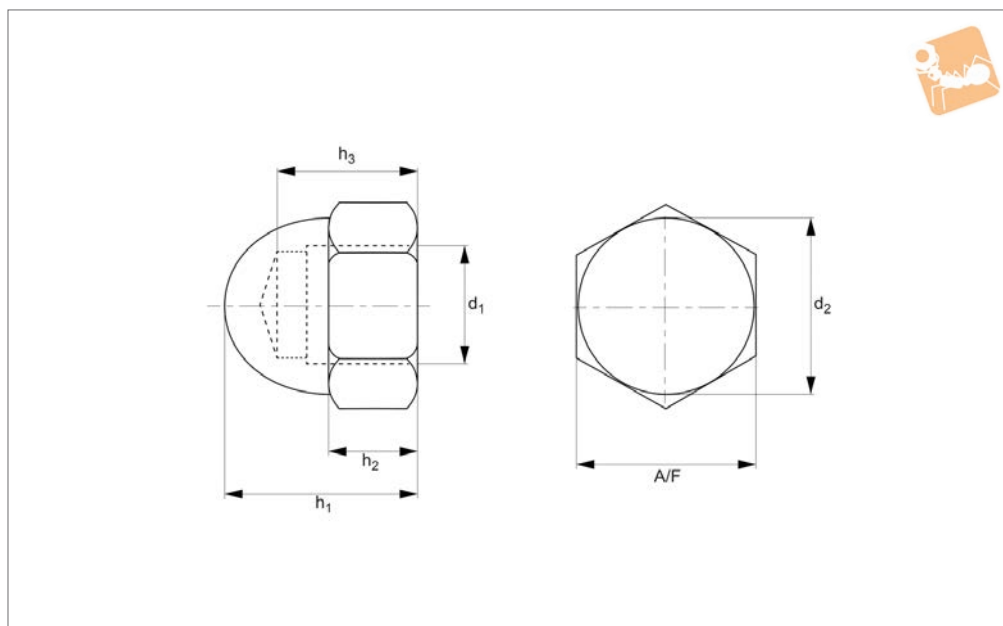
To DIN 1587.

Order No.	d_1	h_1 max.	h_2 max.	h_3	d_2	A/F	Material
P0318.030-A2	M 3	7	2.4	4.5	5.5	5.5	A2 s/s
P0318.040-A2	M 4	8	3.2	5.5	6.5	7.0	A2 s/s
P0318.050-A2	M 5	10	4.0	7.5	7.5	8.0	A2 s/s
P0318.060-A2	M 6	12	5.0	8.0	9.5	10	A2 s/s
P0318.080-A2	M 8	15	6.5	11.0	12.5	13	A2 s/s
P0318.100-A2	M10	18	8.0	13.0	15.0	16	A2 s/s
P0318.120-A2	M12	22	10	16.0	17.0	18	A2 s/s
P0318.140-A2	M14	25	11	18.0	20.0	22	A2 s/s
P0318.160-A2	M16	28	13	21.0	23.0	24	A2 s/s
P0318.180-A2	M18	32	15	25.0	26.0	27	A2 s/s
P0318.200-A2	M20	34	16	26.0	28.0	30	A2 s/s
P0318.220-A2	M22	39	18	29.0	33.0	34	A2 s/s
P0318.240-A2	M24	42	19	31.0	34.0	36	A2 s/s
P0318.270-A2	M27	47	22	35.0	40.0	41	A2 s/s
P0318.300-A2	M30	52	24	38.0	42.0	46	A2 s/s



Hexagon Domed Nuts

A4 Stainless

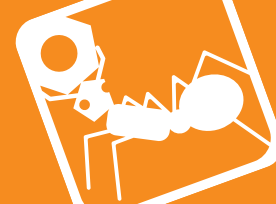


P0318.A4

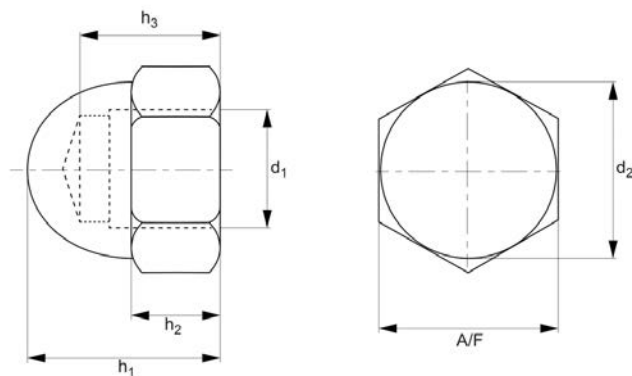
Material
Stainless steel (A4).

Technical Notes
To DIN 1587.

Order No.	d ₁	h ₁ max.	h ₂ max.	h ₃	d ₂	A/F	Material
P0318.030-A4	M 3	6	2.4	4.5	5.5	5.5	A4 s/s
P0318.040-A4	M 4	8	3.2	5.5	6.5	7.0	A4 s/s
P0318.050-A4	M 5	10	4.0	7.5	7.5	8.0	A4 s/s
P0318.060-A4	M 6	12	5.0	8.0	9.5	10.0	A4 s/s
P0318.080-A4	M 8	15	6.5	11.0	12.5	13.0	A4 s/s
P0318.100-A4	M10	18	8.0	13.0	16.0	17.0	A4 s/s
P0318.120-A4	M12	22	10	16.0	18.0	19.0	A4 s/s
P0318.140-A4	M14	25	11	18.0	21.0	22.0	A4 s/s
P0318.160-A4	M16	28	13	21.0	23.0	24.0	A4 s/s
P0318.180-A4	M18	32	15	25.0	26.0	27.0	A4 s/s
P0318.200-A4	M20	34	16	26.0	28.0	30.0	A4 s/s
P0318.220-A4	M22	39	18	29.0	33.0	34.0	A4 s/s
P0318.240-A4	M24	42	19	31.0	36.0	36.0	A4 s/s
P0318.270-A4	M27	47	22	35.0	40.0	41.0	A4 s/s
P0318.300-A4	M30	52	24	38.0	42.0	46.0	A4 s/s



P0318.BR



Material
Brass.

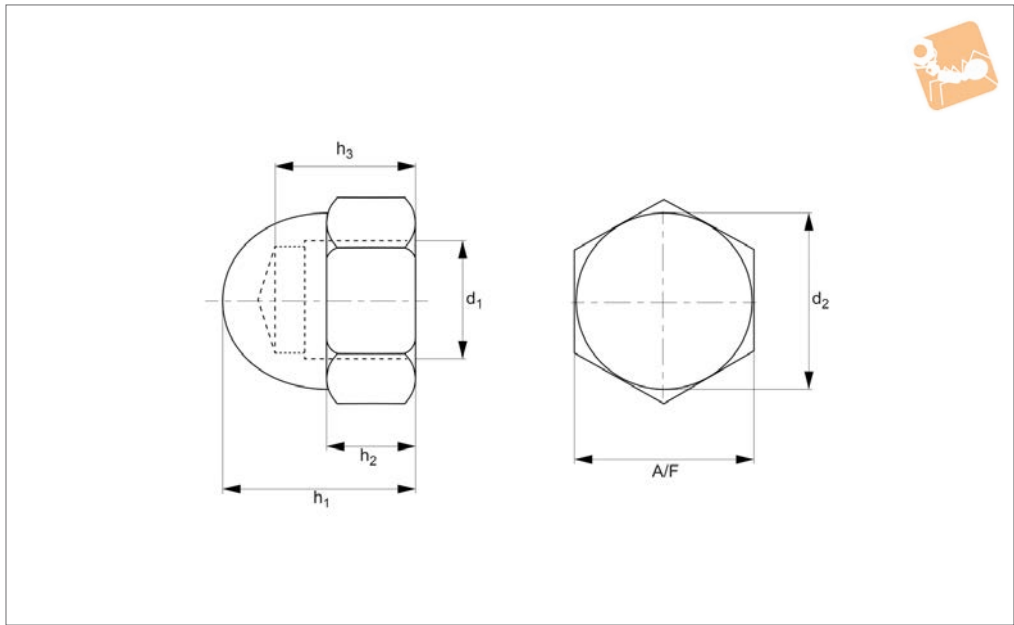
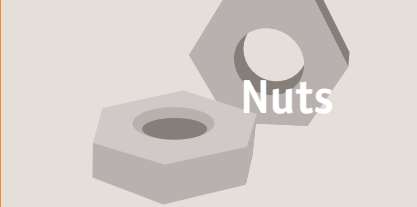
Technical Notes
To DIN 1587.

Order No.	d_1	h_1 max.	h_2 max.	h_3	d_2	A/F	Material
P0318.030-BR	M 3	6	2.4	4.5	5.5	5.5	Brass
P0318.040-BR	M 4	8	3.2	5.5	6.5	7.0	Brass
P0318.050-BR	M 5	10	4.0	7.5	7.5	8.0	Brass
P0318.060-BR	M 6	12	5.0	8.0	9.5	10.0	Brass
P0318.080-BR	M 8	15	6.5	11.0	12.5	13.0	Brass
P0318.100-BR	M10	18	8.0	13.0	16.0	17.0	Brass
P0318.120-BR	M12	22	10	16.0	18.0	19.0	Brass
P0318.160-BR	M16	28	13	21.0	23.0	24.0	Brass
P0318.200-BR	M20	34	16	26.0	28.0	30.0	Brass



Hexagon Domed Nuts

Nylon

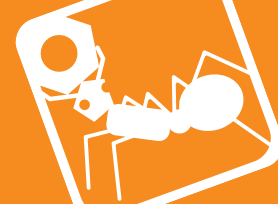


P0318.NL

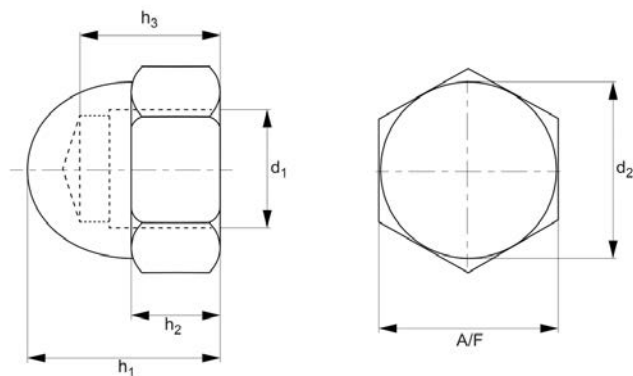
Material
Nylon.

Technical Notes
To DIN 1587.

Order No.	d ₁	h ₁ max.	h ₂ max.	h ₃	d ₂	A/F	Material
P0318.030-NL	M 3	6	2.4	4.5	5.5	5.5	Nylon
P0318.040-NL	M 4	8	3.2	4.5	6.5	7.0	Nylon
P0318.050-NL	M 5	10	7.5	7.5	7.5	8.0	Nylon
P0318.060-NL	M 6	12	8.0	8.0	9.5	10.0	Nylon
P0318.080-NL	M 8	15	6.5	11.0	12.5	13.0	Nylon
P0318.100-NL	M10	18	8.0	13.0	16.0	17.0	Nylon



P0318.SC



Material

Steel (class 8), self-colour.

Technical Notes

To DIN 1587.

Order No.	d_1	h_1 max.	h_2 max.	h_3	d_2	A/F	Material
P0318.060-SC	M 6	12	5.0	8.0	9.5	10.0	Steel SC
P0318.080-SC	M 8	15	6.5	11.0	12.5	13.0	Steel SC
P0318.100-SC	M10	18	8.0	13.0	16.0	17.0	Steel SC
P0318.120-SC	M12	22	10	16.0	18.0	19.0	Steel SC
P0318.160-SC	M16	28	13	21.0	23.0	24.0	Steel SC
P0318.200-SC	M20	34	16	26.0	30.0	30.0	Steel SC
P0318.240-SC	M24	42	19	31.0	34.0	36.0	Steel SC
P0318.270-SC	M27	47	22	35.0	40.0	41.0	Steel SC
P0318.300-SC	M30	52	24	38.0	42.0	46.0	Steel SC

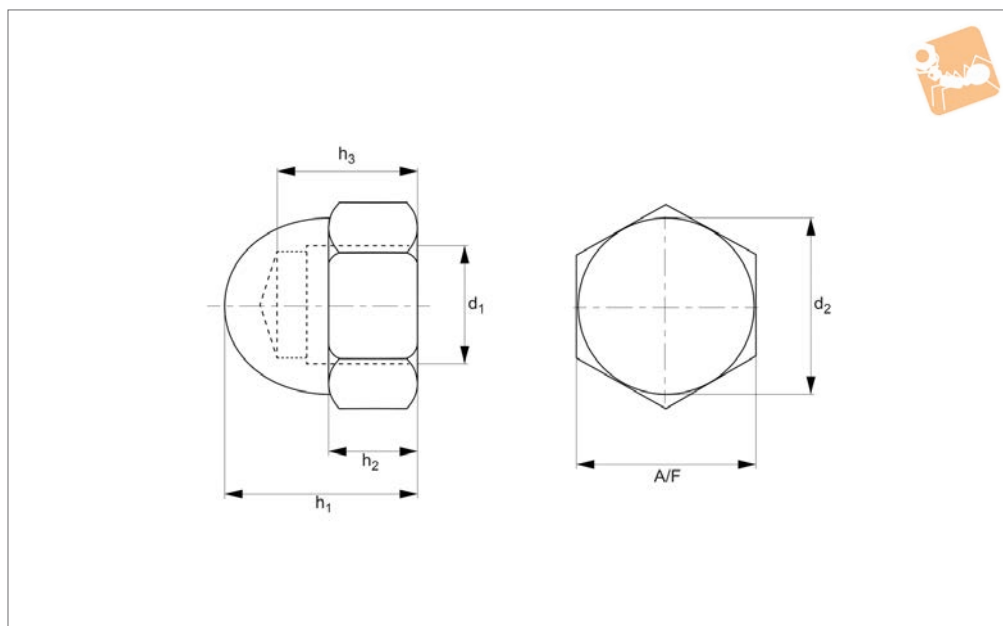


Hexagon Domed Nuts

Steel, zinc-plated



Nuts



P0318.ZP

NUTS

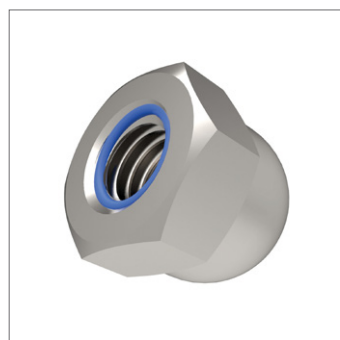
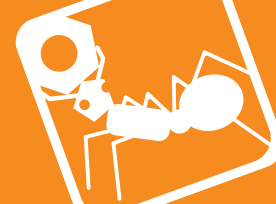
Material

Steel (class 8), zinc-plated.

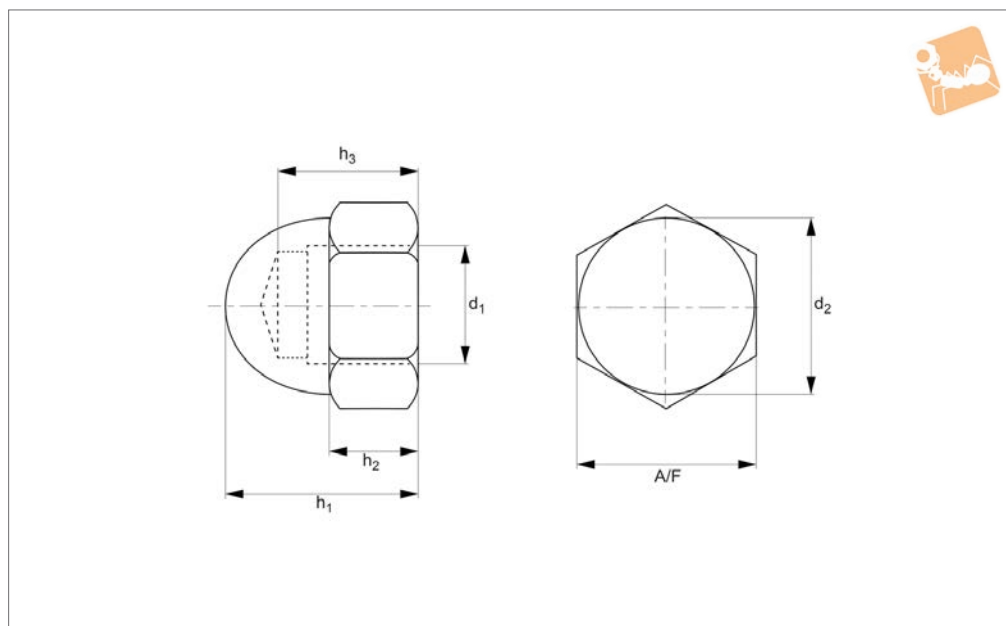
Technical Notes

To DIN 1587.

Order No.	d ₁	h ₁ max.	h ₂ max.	h ₃	d ₂	A/F	Material
P0318.040-ZP	M 4	8	3.2	5.5	7.0	8.0	Steel ZP
P0318.050-ZP	M 5	10	4.0	7.5	8.0	10.0	Steel ZP
P0318.060-ZP	M 6	12	5.0	8.0	10.0	12.0	Steel ZP
P0318.080-ZP	M 8	15	6.5	11.0	13.0	15.0	Steel ZP
P0318.100-ZP	M10	18	8.0	13.0	17.0	20.0	Steel ZP
P0318.120-ZP	M12	22	10	16.0	19.0	25.0	Steel ZP
P0318.160-ZP	M16	28	13	21.0	24.0	30.0	Steel ZP
P0318.200-ZP	M20	34	16	26.0	30.0	35.0	Steel ZP
P0318.240-ZP	M24	42	19	31.0	36.0	40.0	Steel ZP
P0318.270-ZP	M27	47	22	35.0	41.0	50.0	Steel ZP



P0319.A2



Material

Stainless steel (A2, AISI 303).

Technical Notes

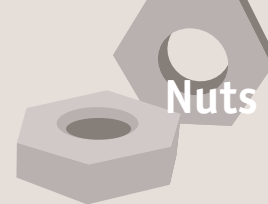
To DIN 986.

Order No.	d_1	h_1 max.	h_2 max.	A/F	Material
P0319.040-A2	M 4	9.6	2.90	7	A2 s/s
P0319.050-A2	M 5	10.5	4.40	8	A2 s/s
P0319.060-A2	M 6	12.0	4.90	10	A2 s/s
P0319.080-A2	M 8	14.0	6.44	13	A2 s/s
P0319.100-A2	M10	18.1	8.04	17	A2 s/s
P0319.120-A2	M12	22.5	10.37	19	A2 s/s
P0319.160-A2	M16	27.5	14.10	24	A2 s/s

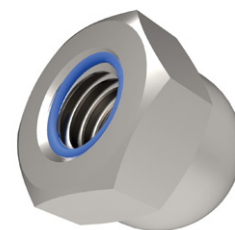
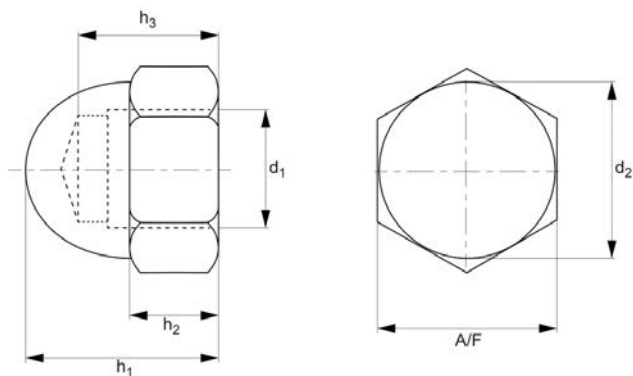


Nylon Insert Domed Nuts

Nylon insert - steel, zinc-plated



Nuts



P0319.ZP

NUTS

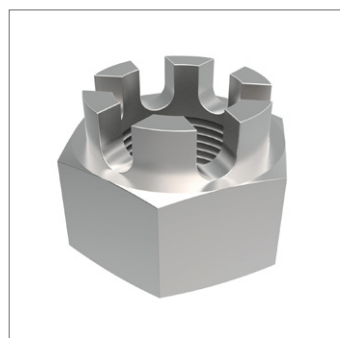
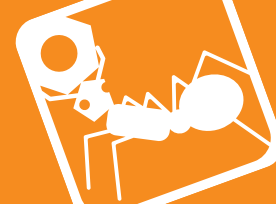
Material

Steel (class 6 or over), zinc-plated.

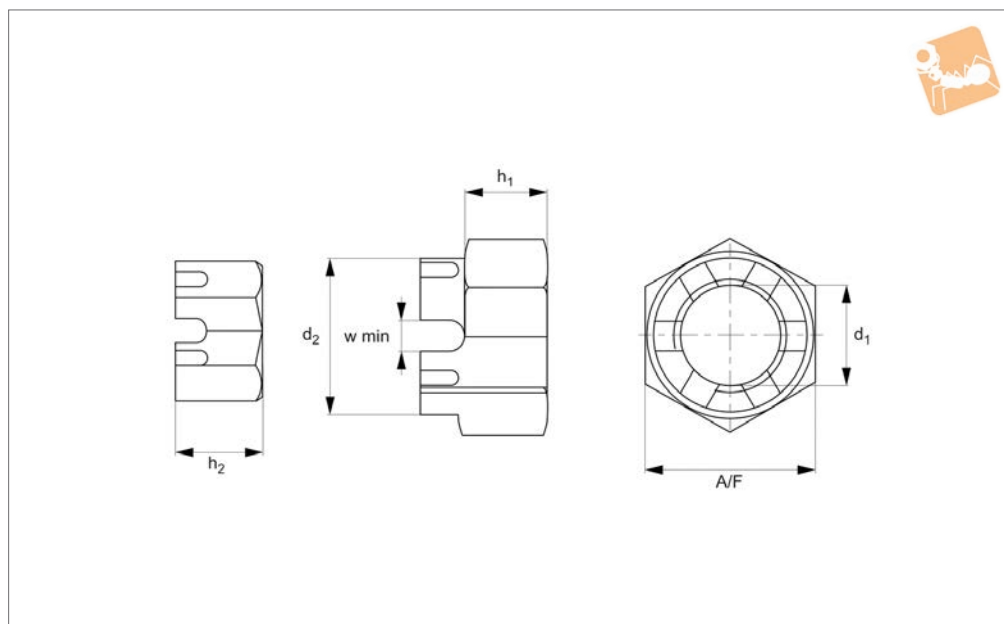
Technical Notes

To DIN 986.

Order No.	d_1	h_1 max.	h_2 max.	A/F	Material
P0319.040-ZP	M 4	9.6	2.90	7	Steel ZP
P0319.050-ZP	M 5	10.5	4.40	8	Steel ZP
P0319.060-ZP	M 6	12.0	4.90	10	Steel ZP
P0319.080-ZP	M 8	14.0	6.44	13	Steel ZP
P0319.100-ZP	M10	18.1	8.04	17	Steel ZP
P0319.120-ZP	M12	22.5	10.37	19	Steel ZP
P0319.160-ZP	M16	27.5	14.10	24	Steel ZP



P0320.A2



Material

Stainless steel (A2).

Technical Notes

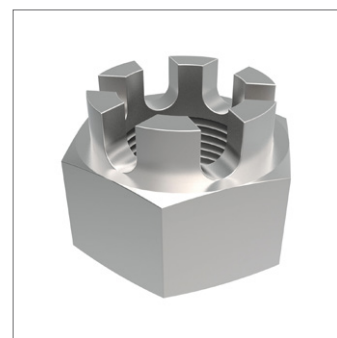
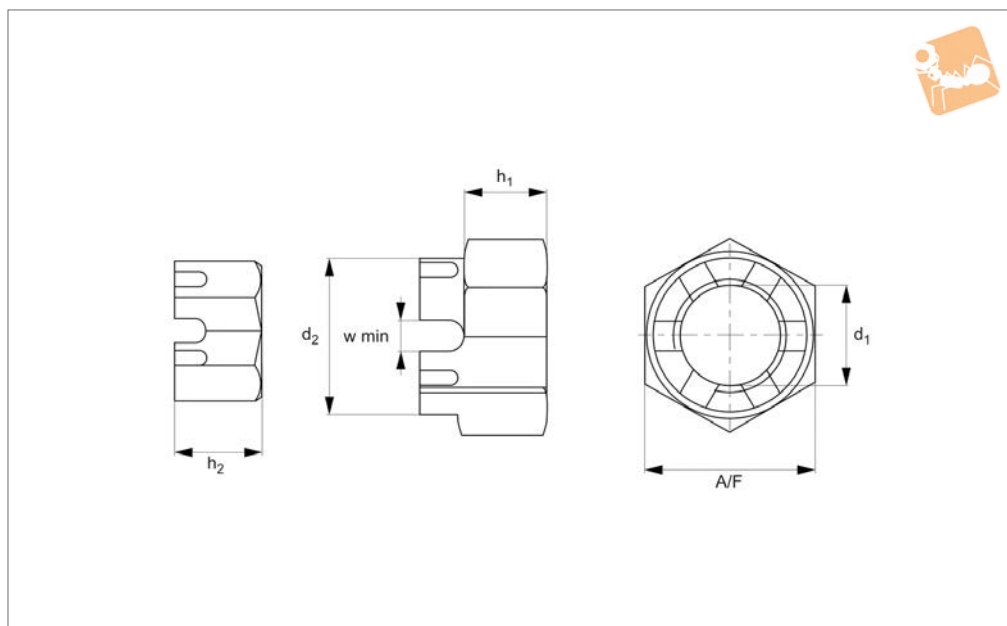
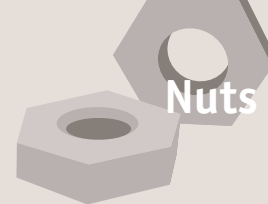
To DIN 935.

Order No.	d_1	h_1	h_2	d_2	w min.	A/F	Material
P0320.050-A2	M 5	4.0	6.0	-	1.4	8	A2 s/s
P0320.060-A2	M 6	5.0	7.5	-	2.0	10	A2 s/s
P0320.080-A2	M 8	6.5	9.5	-	2.5	13	A2 s/s
P0320.100-A2	M10	8.0	12.0	-	2.8	17	A2 s/s
P0320.120-A2	M12	10.0	15.0	17	3.5	19	A2 s/s
P0320.140-A2	M14	11.0	16.0	19	3.5	22	A2 s/s
P0320.160-A2	M16	13.0	19.0	22	4.5	24	A2 s/s
P0320.180-A2	M18	15.0	21.0	25	4.5	27	A2 s/s
P0320.200-A2	M20	16.0	22.0	28	4.5	30	A2 s/s
P0320.240-A2	M24	19.0	27.0	34	5.5	36	A2 s/s
P0320.270-A2	M27	22.0	30.0	38	5.5	41	A2 s/s
P0320.300-A2	M30	24.0	33.0	42	7.0	46	A2 s/s
P0320.360-A2	M36	29.0	38.0	50	7.0	55	A2 s/s



Hexagon Castle Nuts

A4 Stainless



P0320.A4

NUTS

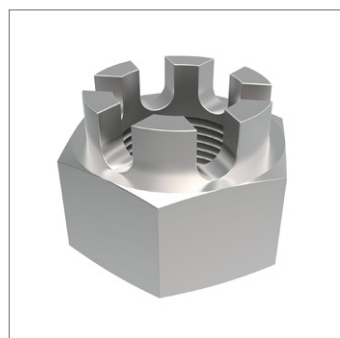
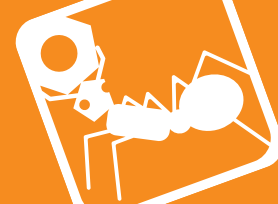
Material

Stainless steel (A4).

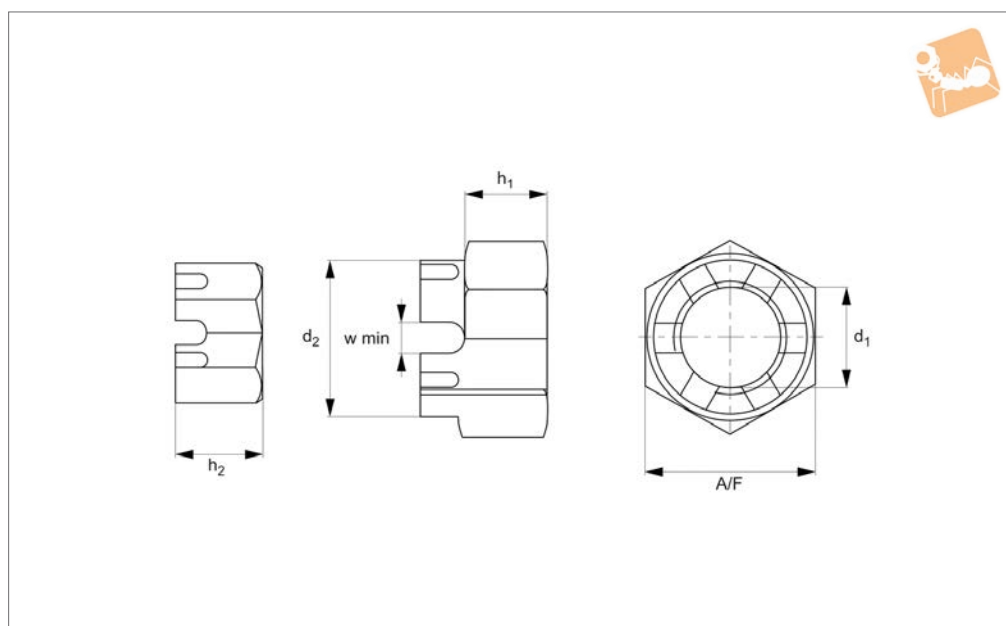
Technical Notes

To DIN 935.

Order No.	d ₁	h ₁	h ₂	d ₂	w min.	A/F	Material
P0320.050-A4	M 5	4.0	6.0	-	1.4	8	A4 s/s
P0320.060-A4	M 6	5.0	7.5	-	2.0	10	A4 s/s
P0320.080-A4	M 8	6.5	9.5	-	2.5	13	A4 s/s
P0320.100-A4	M10	8.0	12.0	-	2.8	17	A4 s/s
P0320.120-A4	M12	10.0	15.0	17	3.5	19	A4 s/s
P0320.140-A4	M14	11.0	16.0	19	3.5	22	A4 s/s
P0320.160-A4	M16	13.0	19.0	22	4.5	24	A4 s/s
P0320.180-A4	M18	15.0	21.0	25	4.5	27	A4 s/s
P0320.200-A4	M20	16.0	22.0	28	4.5	30	A4 s/s
P0320.240-A4	M24	19.0	27.0	34	5.5	36	A4 s/s
P0320.270-A4	M27	22.0	30.0	38	5.5	41	A4 s/s
P0320.300-A4	M30	24.0	33.0	42	7.0	46	A4 s/s
P0320.360-A4	M36	29.0	38.0	50	7.0	55	A4 s/s



P0320.ZP



Material

Steel (class 4), zinc-plated.

Technical Notes

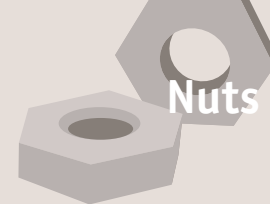
To DIN 935.

Order No.	d_1	h_1	h_2	d_2	$w_{min.}$	A/F	Material
P0320.050-ZP	M 5	4.0	6.0	-	1.4	8	Steel ZP
P0320.060-ZP	M 6	5.0	7.5	-	2.0	10	Steel ZP
P0320.080-ZP	M 8	6.5	9.5	-	2.5	13	Steel ZP
P0320.100-ZP	M10	8.0	12.0	-	2.8	17	Steel ZP
P0320.120-ZP	M12	10.0	15.0	17	3.5	19	Steel ZP
P0320.140-ZP	M14	11.0	16.0	19	3.5	22	Steel ZP
P0320.160-ZP	M16	13.0	19.0	22	4.5	24	Steel ZP
P0320.180-ZP	M18	15.0	21.0	25	4.5	27	Steel ZP
P0320.200-ZP	M20	16.0	22.0	28	4.5	30	Steel ZP
P0320.240-ZP	M24	19.0	27.0	34	5.5	36	Steel ZP
P0320.270-ZP	M27	22.0	30.0	38	5.5	41	Steel ZP
P0320.300-ZP	M30	24.0	33.0	42	7.0	46	Steel ZP
P0320.360-ZP	M36	29.0	38.0	50	7.0	55	Steel ZP

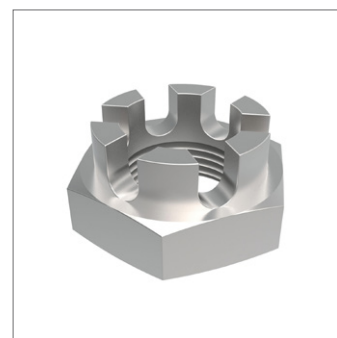
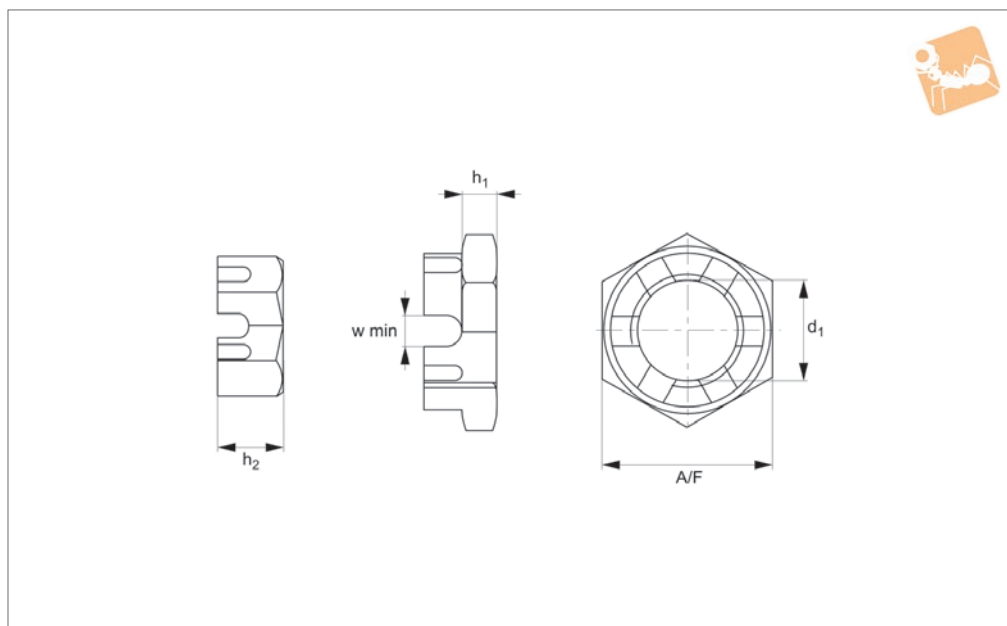


Hexagon Castle Nuts Thin Type

Thin Type - A2 stainless



Nuts



P0321.A2

NUTS

Material

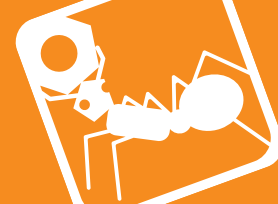
Stainless steel (A2).

Technical Notes

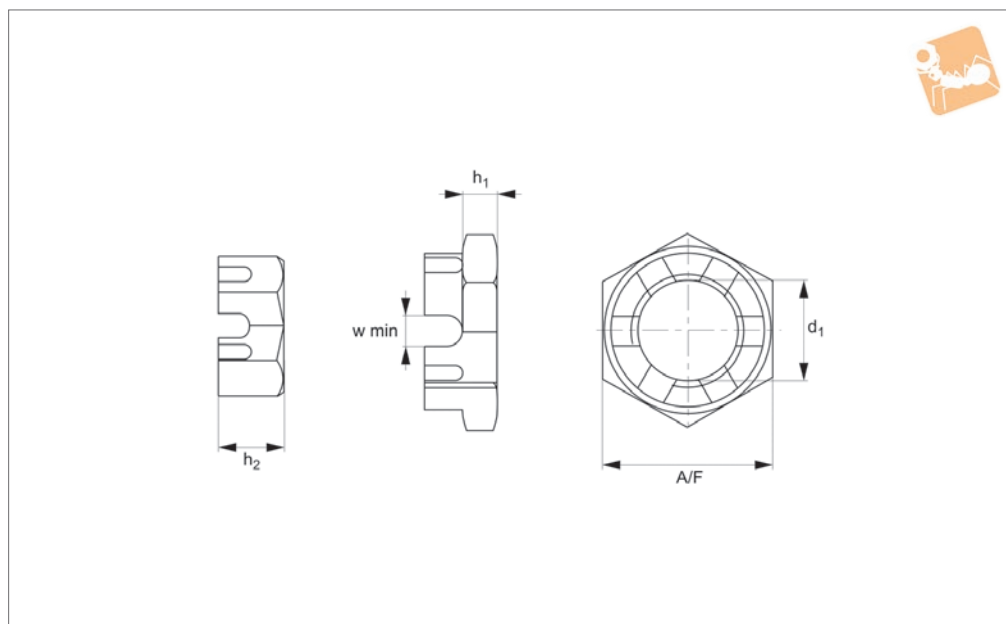
To DIN 937.

Order No.	d ₁	h ₁	h ₂	w min.	A/F	Material
P0321.060-A2	M 6	3.5	5.70	2.0	10	A2 s/s
P0321.080-A2	M 8	4.5	7.64	2.5	13	A2 s/s
P0312.100-A2	M10	5.0	8.64	2.8	17	A2 s/s
P0321.120-A2	M12	6.0	9.64	3.5	19	A2 s/s
P0321.140-A2	M14	7.0	10.57	3.5	22	A2 s/s
P0321.160-A2	M16	7.0	11.57	4.5	24	A2 s/s
P0321.180-A2	M18	8.0	12.30	4.5	27	A2 s/s
P0321.200-A2	M20	8.0	12.30	4.5	30	A2 s/s
P0321.240-A2	M24	9.0	14.30	5.5	36	A2 s/s
P0321.270-A2	M27	11.0	16.30	5.5	41	A2 s/s
P0321.300-A2	M30	11.0	17.30	7.0	46	A2 s/s





P0321.A4



Material

Stainless steel (A4).

Technical Notes

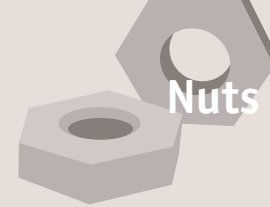
To DIN 937.

Order No.	d_1	h_1	h_2	w min.	A/F	Material
P0321.060-A4	M 6	3.5	5.70	2.0	10	A4 s/s
P0321.080-A4	M 8	4.5	7.64	2.5	13	A4 s/s
P0321.100-A4	M10	5.0	8.64	2.8	17	A4 s/s
P0321.120-A4	M12	6.0	9.64	3.5	19	A4 s/s
P0321.140-A4	M14	7.0	10.57	3.5	22	A4 s/s
P0321.160-A4	M16	7.0	11.57	4.5	24	A4 s/s
P0321.180-A4	M18	8.0	12.30	4.5	27	A4 s/s
P0321.200-A4	M20	8.0	12.30	4.5	30	A4 s/s
P0321.240-A4	M24	9.0	14.30	5.5	36	A4 s/s
P0321.270-A4	M27	11.0	16.30	5.5	41	A4 s/s
P0321.300-A4	M30	11.0	17.30	7.0	46	A4 s/s

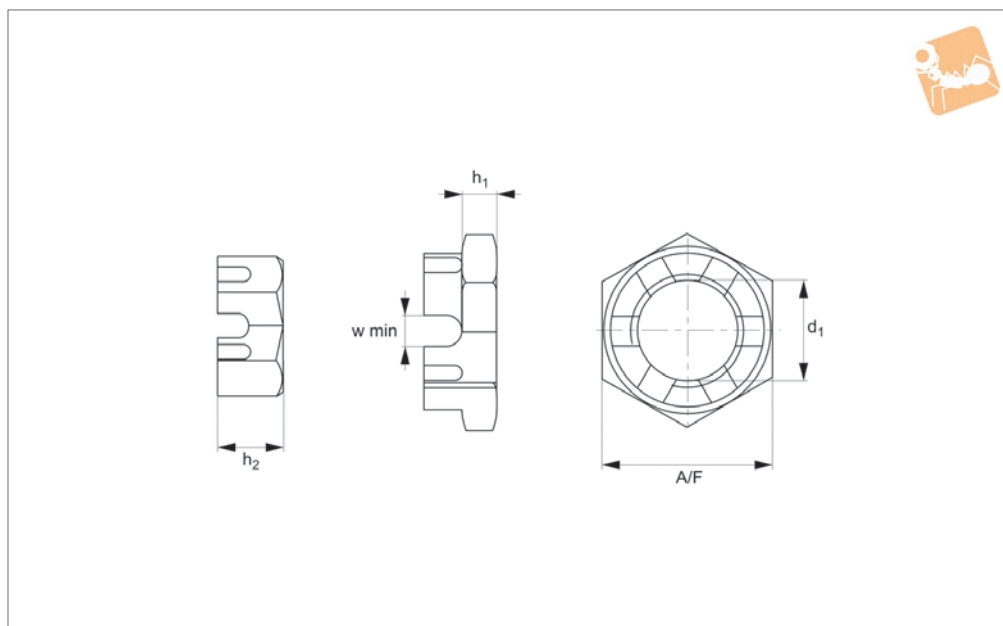


Hexagon Castle Nuts Thin Type

Thin Type - steel, zinc-plated



Nuts



P0321.ZP

NUTS

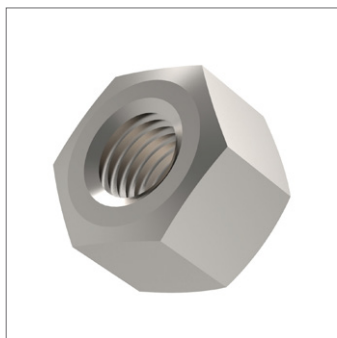
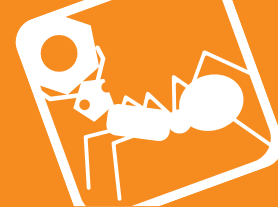
Material

Steel, zinc-plated.

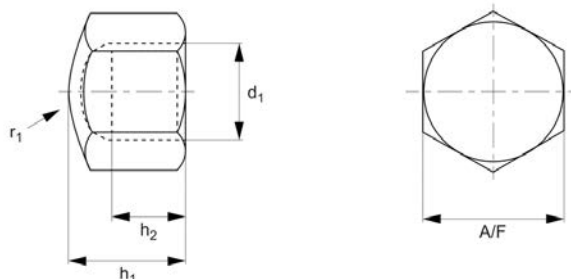
Technical Notes

To DIN 937.

Order No.	d ₁	h ₁	h ₂	w min.	A/F	Material
P0321.060-ZP	M 6	3.5	5.70	2.0	10	Steel ZP
P0321.080-ZP	M 8	4.5	7.64	2.5	13	Steel ZP
P0321.100-ZP	M10	5.0	8.64	2.8	17	Steel ZP
P0321.120-ZP	M12	6.0	9.64	3.5	19	Steel ZP
P0321.140-ZP	M14	7.0	10.57	3.5	22	Steel ZP
P0321.160-ZP	M16	7.0	11.57	4.5	24	Steel ZP
P0321.180-ZP	M18	8.0	12.30	4.5	27	Steel ZP
P0321.200-ZP	M20	8.0	12.30	4.5	30	Steel ZP
P0321.240-ZP	M24	9.0	14.30	5.5	36	Steel ZP
P0321.270-ZP	M27	11.0	16.30	5.5	41	Steel ZP
P0321.300-ZP	M30	11.0	17.30	7.0	46	Steel ZP



P0317.A2



Material

Stainless steel (A2).

Technical Notes

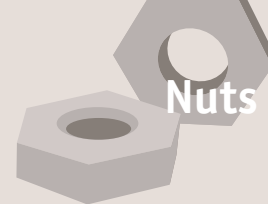
To DIN 917.

Order No.	d_1	h_1	h_2 min.	A/F	r_1	Material
P0317.030-A2	M 3	5	3	5.5	-	A2 s/s
P0317.040-A2	M 4	5.5	4.4	7	8	A2 s/s
P0317.050-A2	M 5	7	5.2	8	10	A2 s/s
P0317.060-A2	M 6	9	7	10	12	A2 s/s
P0317.080-A2	M 8	12	9.5	13	15	A2 s/s
P0317.100-A2	M10	14	11	17	20	A2 s/s
P0317.120-A2	M12	16	13.5	19	25	A2 s/s
P0317.140-A2	M14	18	15	22	28	A2 s/s
P0317.160-A2	M16	20	17	24	30	A2 s/s
P0317.180-A2	M18	22	19	27	32	A2 s/s
P0317.200-A2	M20	25	21	30	35	A2 s/s
P0317.220-A2	M22	28	22	32	35	A2 s/s
P0317.240-A2	M24	30	24	36	40	A2 s/s
P0317.270-A2	M27	32	26	41	50	A2 s/s
P0317.300-A2	M30	34	28	46	60	A2 s/s

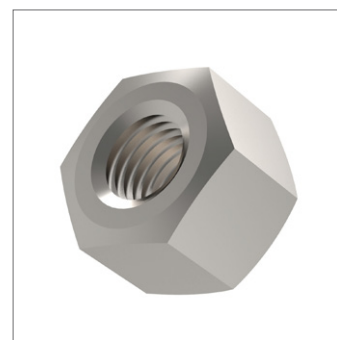
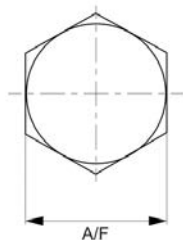
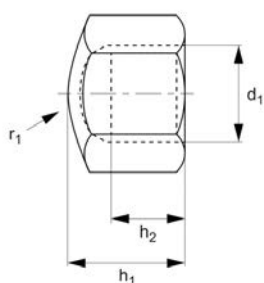


Hexagon Cap Nuts

A4 stainless



Nuts



P0317.A4

NUTS

Material

Stainless steel (A4).

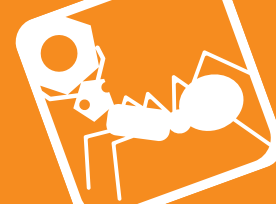
Technical Notes

To DIN 917.

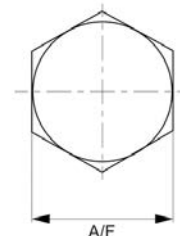
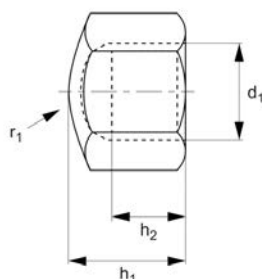
Order No.	d_1	h_1	h_2 min.	A/F	r_1	Material
P0317.030-A4	M 3	5	3	5.5	-	A4 s/s
P0317.040-A4	M 4	5.5	4.4	7	8	A4 s/s
P0317.050-A4	M 5	7	5.2	8	10	A4 s/s
P0317.060-A4	M 6	9	7	10	12	A4 s/s
P0317.080-A4	M 8	12	9.5	13	15	A4 s/s
P0317.100-A4	M10	14	11	17	20	A4 s/s
P0317.120-A4	M12	16	13.5	19	25	A4 s/s
P0317.140-A4	M14	18	15	22	28	A4 s/s
P0317.160-A4	M16	20	17	24	30	A4 s/s
P0317.180-A4	M18	22	19	27	32	A4 s/s
P0317.200-A4	M20	25	21	30	35	A4 s/s
P0317.220-A4	M22	28	22	32	35	A4 s/s
P0317.240-A4	M24	30	24	36	40	A4 s/s
P0317.270-A4	M27	32	26	41	50	A4 s/s
P0317.300-A4	M30	34	28	46	60	A4 s/s

Hexagon Cap Nuts

Steel, zinc-plated



P0317.ZP



Material

Steel (class 6), zinc-plated.

Technical Notes

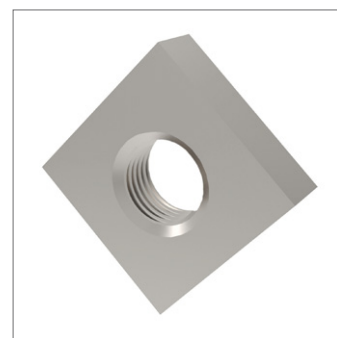
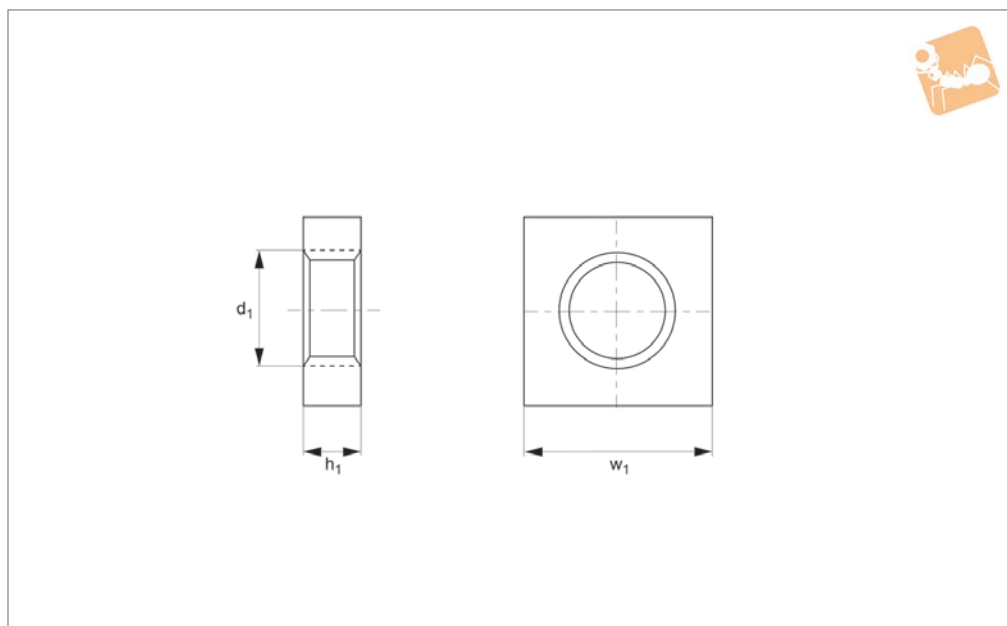
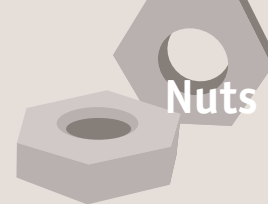
To DIN 917.

Order No.	d_1	h_1	h_2 min.	A/F	r_1	Material
P0317.030-ZP	M 3	5	3	5.5	-	Steel ZP
P0317.040-ZP	M 4	5.5	4.4	7	8	Steel ZP
P0317.050-ZP	M 5	7	5.2	8	10	Steel ZP
P0317.060-ZP	M 6	9	7	10	12	Steel ZP
P0317.080-ZP	M 8	12	9.5	13	15	Steel ZP
P0317.100-ZP	M10	14	11	17	20	Steel ZP
P0317.120-ZP	M12	16	13.5	19	25	Steel ZP
P0317.140-ZP	M14	18	15	22	28	Steel ZP
P0317.160-ZP	M16	20	17	24	30	Steel ZP
P0317.180-ZP	M18	22	19	27	32	Steel ZP
P0317.200-ZP	M20	25	21	30	35	Steel ZP
P0317.220-ZP	M22	28	22	32	35	Steel ZP
P0317.240-ZP	M24	30	24	36	40	Steel ZP
P0317.270-ZP	M27	32	26	41	50	Steel ZP
P0317.300-ZP	M30	34	28	46	60	Steel ZP



Square Nuts

A2 stainless



P0323.A2

NUTS

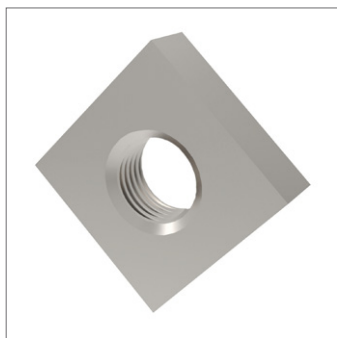
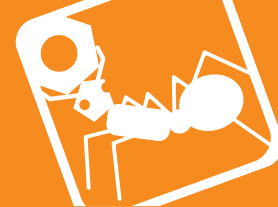
Material

Stainless steel (A2).

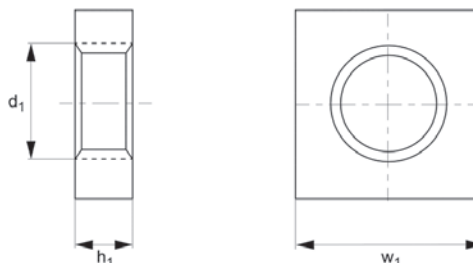
Technical Notes

To DIN 562. Standard metric coarse threads.

Order No.	d ₁	w ₁	h ₁ min.	Material
P0323.020-A2	M 2	4	1.2	A2 s/s
P0323.025-A2	M2,5	5	1.6	A2 s/s
P0323.030-A2	M 3	5.5	1.8	A2 s/s
P0323.040-A2	M 4	7	2.2	A2 s/s
P0323.050-A2	M 5	8	2.7	A2 s/s
P0323.060-A2	M 6	10	3.2	A2 s/s
P0323.080-A2	M 8	13	4.0	A2 s/s
P0323.100-A2	M10	16	5.0	A2 s/s



P0323.A4



Material

Stainless steel (A4).

Technical Notes

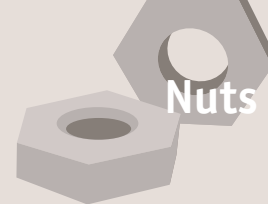
To DIN 562. Standard metric coarse threads.

Order No.	d_1	w_1	h_1 min.	Material
P0323.016-A4	M1,6	3.2	1.0	A4 s/s
P0323.020-A4	M 2	4	1.2	A4 s/s
P0323.025-A4	M2,5	5	1.6	A4 s/s
P0323.030-A4	M 3	5.5	1.8	A4 s/s
P0323.040-A4	M 4	7	2.2	A4 s/s
P0323.050-A4	M 5	8	2.7	A4 s/s
P0323.060-A4	M 6	10	3.2	A4 s/s
P0323.080-A4	M 8	13	4.0	A4 s/s
P0323.100-A4	M10	16	5.0	A4 s/s

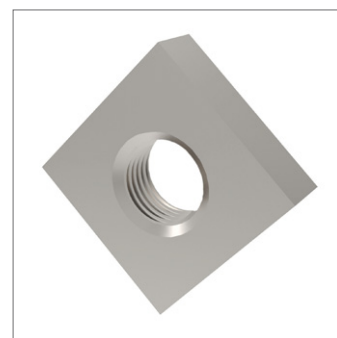
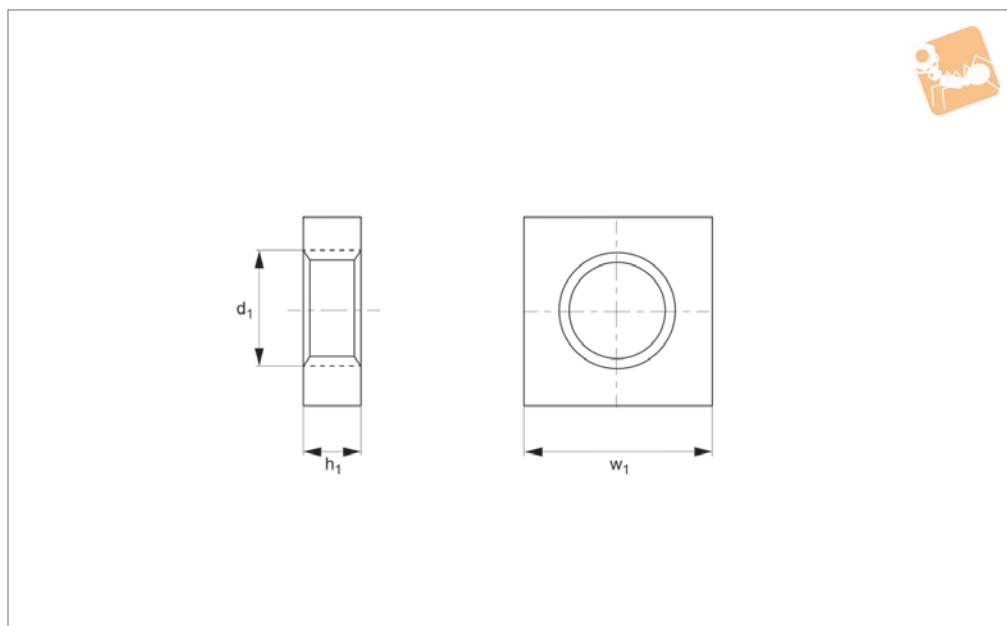


Square Nuts

Steel, zinc-plated



Nuts



P0323.ZP

NUTS

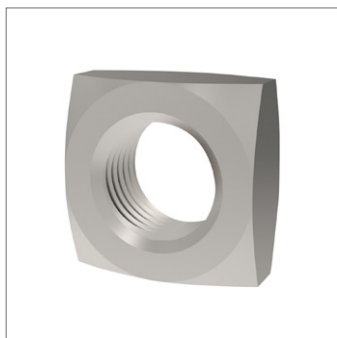
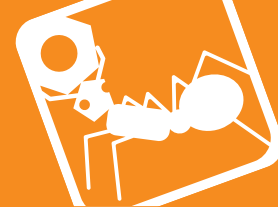
Material

Steel (class 4), zinc-plated.

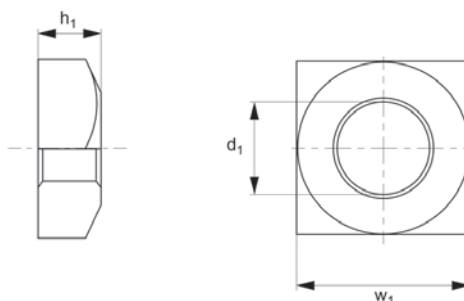
Technical Notes

To DIN 562. Standard metric coarse threads.

Order No.	d_1	w_1	h_1 min.	Material
P0323.030-ZP	M 3	5.5	1.8	Steel ZP
P0323.040-ZP	M 4	7	2.2	Steel ZP
P0323.050-ZP	M 5	8	2.7	Steel ZP
P0323.060-ZP	M 6	10	3.2	Steel ZP
P0323.080-ZP	M 8	13	4.0	Steel ZP
P0323.100-ZP	M10	16	5.0	Steel ZP



P0324.A2



Material

Stainless steel (A2).

Technical Notes

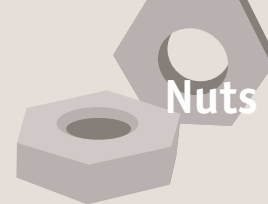
To DIN 557. Standard metric coarse threads.

Order No.	d_1	w_1	h_1	Material
P0324.050-A2	M 5	8	4.0	A2 s/s
P0324.060-A2	M 6	10	5.0	A2 s/s
P0324.080-A2	M 8	13	6.0	A2 s/s
P0324.100-A2	M10	17	8.0	A2 s/s
P0324.120-A2	M12	19	10	A2 s/s
P0324.160-A2	M16	24	13	A2 s/s

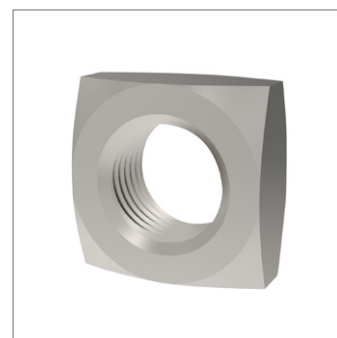
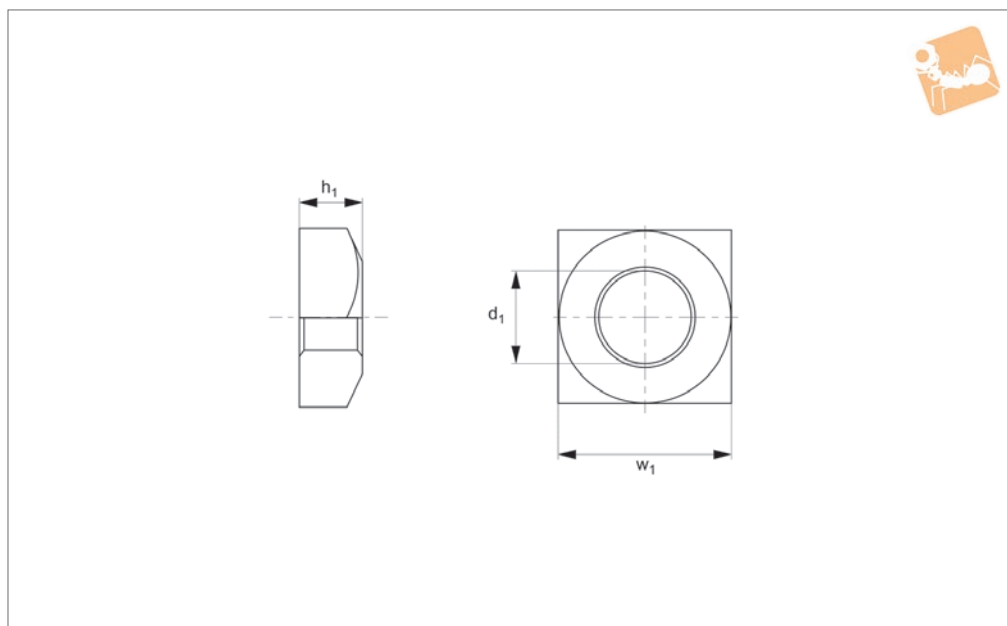


Chamfered Square Nuts

Chamfered - A4 stainless



Nuts



P0324.A4

NUTS

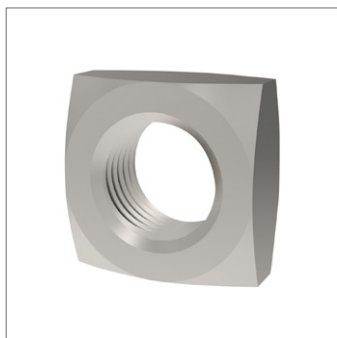
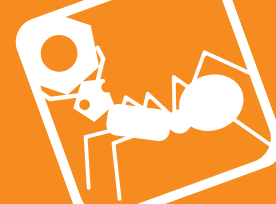
Material

Stainless steel (A4).

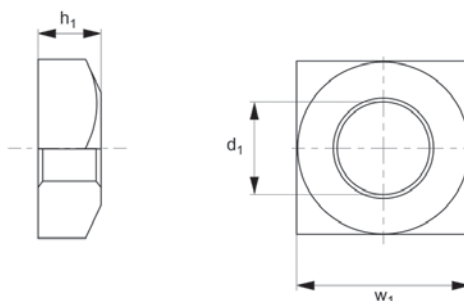
Technical Notes

To DIN 557. Standard metric coarse threads.

Order No.	d_1	w_1	h_1	Material
P0324.050-A4	M 5	8	4.0	A4 s/s
P0324.060-A4	M 6	10	5.0	A4 s/s
P0324.080-A4	M 8	13	6.0	A4 s/s
P0324.100-A4	M10	17	8.0	A4 s/s
P0324.120-A4	M12	19	10	A4 s/s
P0324.160-A4	M16	24	13	A4 s/s



P0324.SC



Material

Steel (class 5 or over), self-colour

Technical Notes

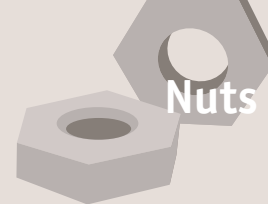
To DIN 557. Standard metric coarse threads.

Order No.	d_1	w_1	h_1	Material
P0324.040-SC	M 4	7	3.2	Steel SC
P0324.050-SC	M 5	8	4.0	Steel SC
P0324.060-SC	M 6	10	5.0	Steel SC
P0324.080-SC	M 8	13	6.0	Steel SC
P0324.100-SC	M10	17	8.0	Steel SC
P0324.120-SC	M12	19	10	Steel SC

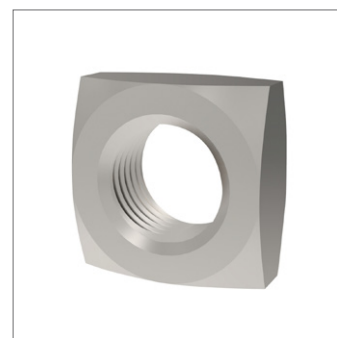
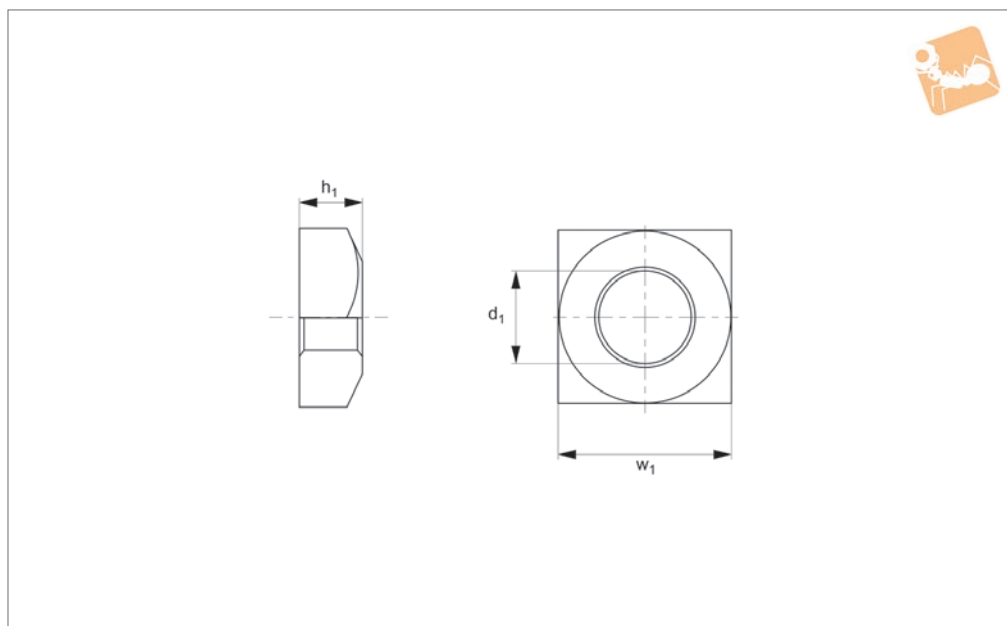


Chamfered Square Nuts

Chamfered - steel, zinc-plated



Nuts



P0324.ZP

NUTS

Material

Steel (class 5 or over), zinc-plated.

Technical Notes

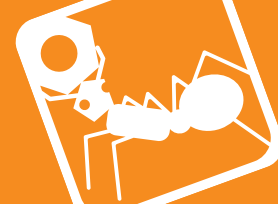
To DIN 557. Standard metric coarse threads.

Order No.	d_1	w_1	h_1	Material
P0324.050-ZP	M 5	8	4.0	Steel ZP
P0324.060-ZP	M 6	10	5.0	Steel ZP
P0324.080-ZP	M 8	13	6.0	Steel ZP
P0324.100-ZP	M10	17	8.0	Steel ZP
P0324.120-ZP	M12	19	10	Steel ZP
P0324.040-ZP	M 4	7	3.2	Steel ZP

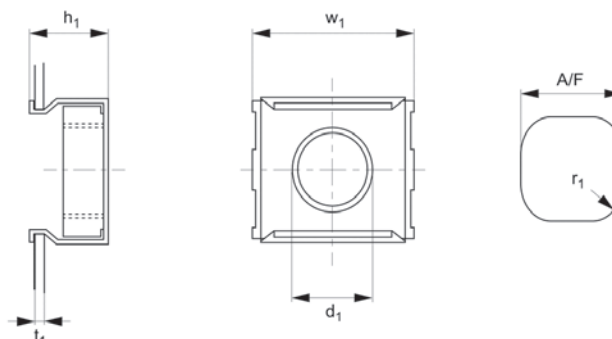


Cage Nuts

Cage nuts - A2 stainless



P0325.A2



Material

Stainless steel (A2, AISI 303).

Technical Notes

A/F is hole size across flats.

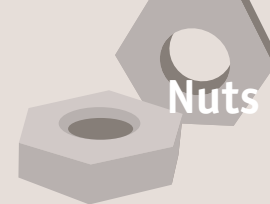
$r = 0,5$. Select the part number according to the thread required and the thickness of the preferred material.

Order No.	For panel t_1	d_1	w_1 ± 0.5	A/F	h_1 ± 0.3
P0325.040-016-A2	0,7-1,6	M 4	13.2	9.5	8.5
P0325.040-026-A2	1,7-2,6	M 4	13.2	9.5	9.5
P0325.040-035-A2	2,7-3,5	M 4	13.2	9.5	10.5
P0325.050-016-A2	0,7-1,6	M 5	13.2	9.5	8.5
P0325.050-026-A2	1,7-2,6	M 5	13.2	9.5	9.5
P0325.050-035-A2	2,7-3,5	M 5	13.2	9.5	10.5
P0325.060-016-A2	0,7-1,6	M 6	13.2	9.5	8.5
P0325.060-026-A2	1,7-2,6	M 6	13.2	9.5	9.5
P0325.060-035-A2	2,7-3,5	M 6	13.2	9.5	10.5
P0325.080-017-A2	0,7-1,7	M 8	16.5	12.8	10.5
P0325.080-031-A2	1,8-3,1	M 8	16.5	12.8	12.0
P0325.080-043-A2	3,2-4,3	M 8	16.5	12.8	13.5
P0325.100-017-A2	0,7-1,7	M10	16.5	12.8	10.5
P0325.100-031-A2	1,8-3,1	M10	16.5	12.8	12.0
P0325.100-043-A2	3,2-4,3	M10	16.5	12.8	13.5

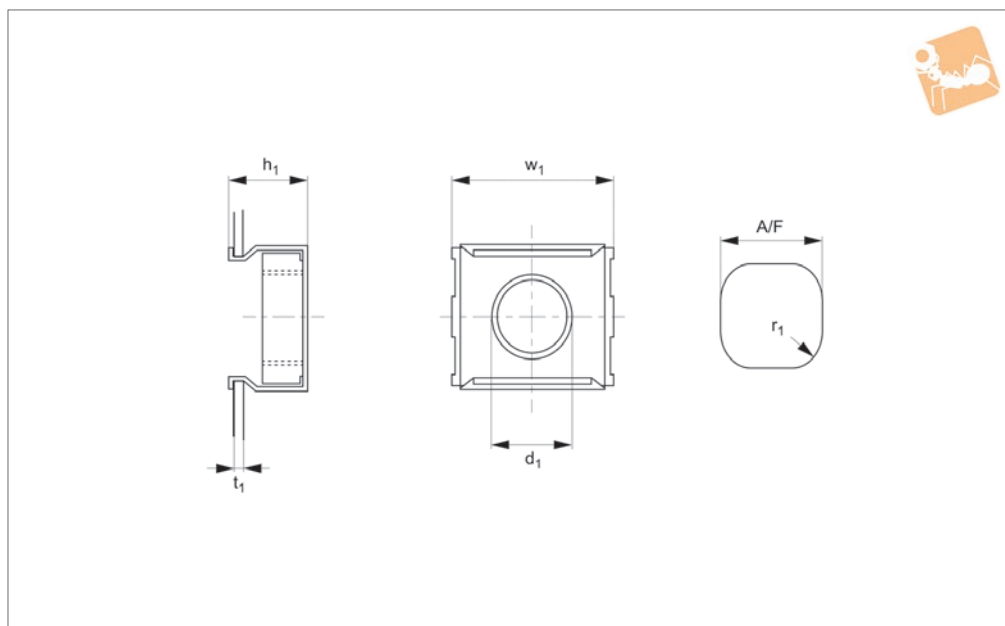


Cage Nuts

Cage nuts, steel zinc-plated



Nuts



P0325.ZP

NUTS

Material

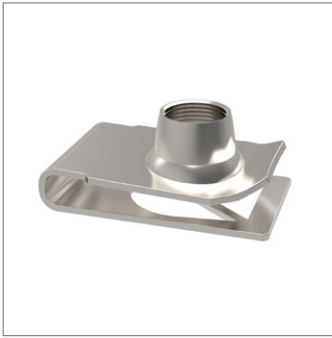
Steel, zinc-plated.

Technical Notes

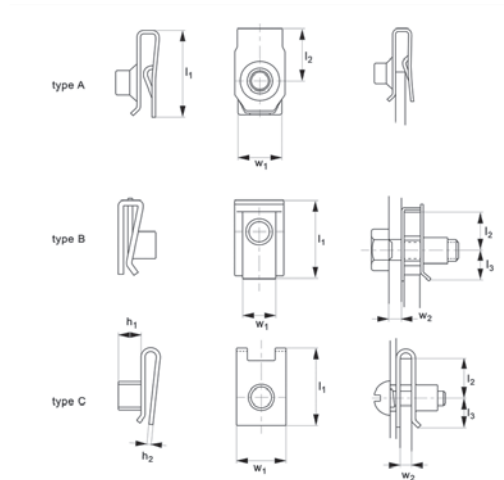
A/F is hole size across flats.

$r = 0,5$. Select the part number according to the thread required and the thickness of the preferred material.

Order No.	For panel t_1	d_1	w_1 ± 0.5	A/F	h_1 ± 0.3
P0325.030-016-ZP	0,7-1,6	M 3	10.5	6.8	7.2
P0325.040-016-ZP	0,7-1,6	M 4	13.2	9.5	8.6
P0325.040-026-ZP	1,7-2,6	M 4	13.2	9.5	9.5
P0325.040-032-ZP	2,0-3,2	M 4	13.2	9.5	10.2
P0325.050-016-ZP	0,7-1,6	M 5	13.2	9.5	8.6
P0325.050-026-ZP	1,7-2,6	M 5	13.2	9.5	9.5
P0325.050-032-ZP	2,0-3,2	M 5	13.2	9.5	10.2
P0325.060-016-ZP	0,7-1,6	M 6	13.2	9.5	8.6
P0325.060-026-ZP	1,7-2,6	M 6	13.2	9.5	9.5
P0325.060-032-ZP	2,0-3,2	M 6	13.2	9.5	10.2
P0325.080-016-ZP	0,7-1,6	M 8	17.8	12.8	10.6
P0325.080-026-ZP	1,7-2,6	M 8	17.8	12.8	11.5
P0325.080-043-ZP	2,7-4,3	M 8	17.8	12.8	13.0
P0325.100-016-ZP	0,7-1,6	M10	17.8	12.8	10.6
P0325.100-026-ZP	1,7-2,6	M10	17.8	12.8	11.5
P0325.100-043-ZP	2,7-4,3	M10	17.8	12.8	13.0



P0326



Material

Steel, zinc-plated.

Technical Notes

Lug nuts are used where U nuts are not

strong enough. They provide a degree of adjustment to assist screw alignment. Select the part number according to the thread required, the thickness of the

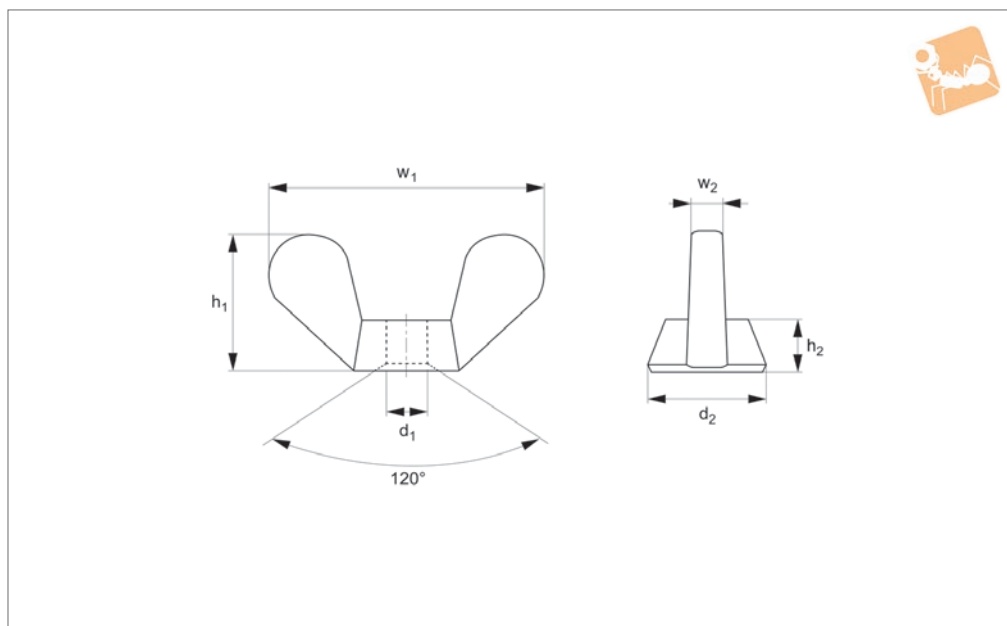
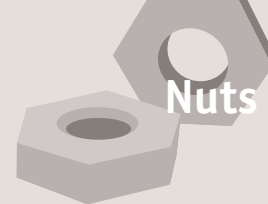
preferred material and the type of nut required.

Order No.	For thread	w ₁	l ₁	l ₂	l ₃	h ₁	h ₂	w ₂	Type
P0326.060-040-A1	M 6	0,8-4,0	24.0	12.5	-	-	-	14.2	A
P0326.080-040-A1	M 8	0,8-4,0	26.0	12.0	-	-	-	17.2	A
P0326.100-055-A1	M10	1,5-5,5	32.7	18.0	-	-	-	18.5	A
P0326.040-040-B1	M 4	0,5-4,0	15.0	7.3	7.0	5.0	0.6	10.0	B
P0326.050-040-B2	M 5	0,5-4,0	20.0	11.0	8.8	5.5	0.7	14.0	B
P0326.060-040-B1	M 6	0,5-4,0	18.8	8.4	8.4	7.5	0.8	16.0	B
P0326.060-040-B2	M 6	0,5-4,0	22.2	12.0	9.8	7.0	0.8	15.0	B
P0326.080-040-B2	M 8	0,5-4,0	24.3	13.0	10.8	9.0	1.0	17.0	B
P0326.040-015-C1	M 4	0,5-1,5	15.5	7.5	6.5	4.5	0.8	12.0	C
P0326.040-020-C1	M 4	0,5-2,0	15.5	7.5	6.5	4.5	0.8	12.0	C
P0326.050-015-C1	M 5	0,5-1,5	15.5	7.5	6.5	5.0	0.8	12.0	C
P0326.050-020-C1	M 5	0,5-2,0	15.5	7.5	6.5	5.0	0.8	12.0	C
P0326.060-015-C1	M 6	0,5-1,5	15.5	7.5	6.5	5.5	0.8	12.0	C
P0326.060-020-C1	M 6	0,5-2,0	15.5	7.5	6.5	5.5	0.8	12.0	C
P0326.050-040-B1	M 5	0,5-4,0	15.0	7.3	7.0	5.5	0.6	12.0	B



Wing Nuts

Female thread - A2 stainless



P0328.A2

NUTS

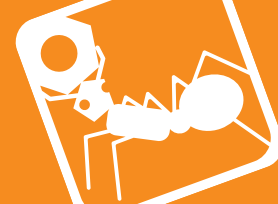
Material

Stainless steel (A2).

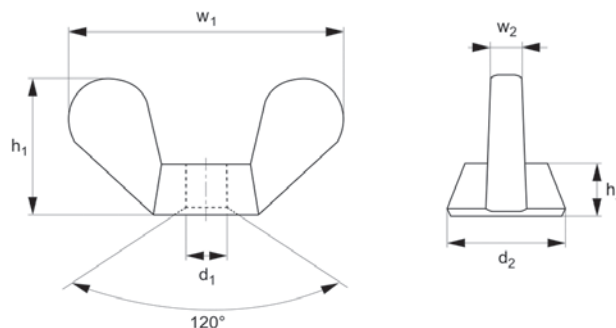
Technical Notes

To DIN 315 AF.

Order No.	d ₁	w ₁	h ₁	h ₂ max.	Material
P0328.030-A2	M 3	18.5	8.8	3.0	A2 s/s
P0328.040-A2	M 4	18.5	8.8	3.0	A2 s/s
P0328.050-A2	M 5	22.0	10.5	4.0	A2 s/s
P0328.060-A2	M 6	26.8	12.9	4.9	A2 s/s
P0328.080-A2	M 8	30.3	14.8	5.4	A2 s/s
P0328.100-A2	M10	35.3	17.3	6.3	A2 s/s
P0328.120-A2	M12	47.5	22.5	7.9	A2 s/s
P0328.160-A2	M16	65.0	30.8	10.6	A2 s/s
P0328.200-A2	M20	67.0	31.2	12.2	A2 s/s



P0328.A4



Material
Stainless steel (A4).

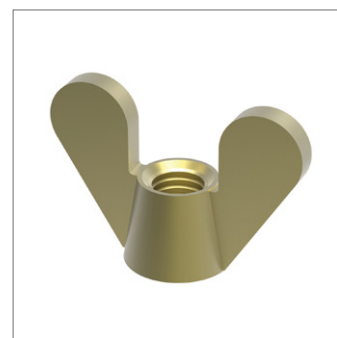
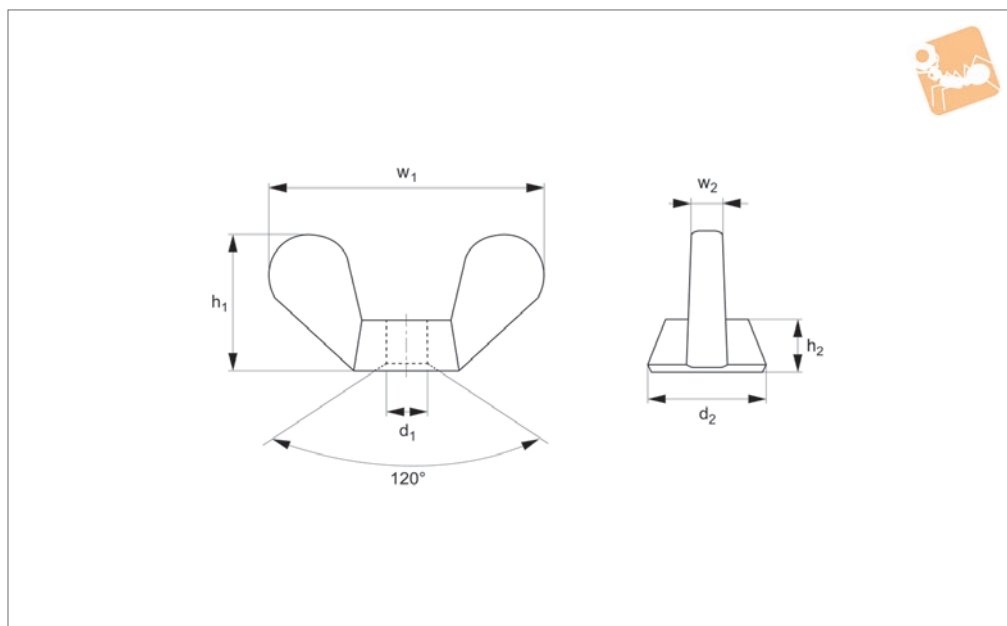
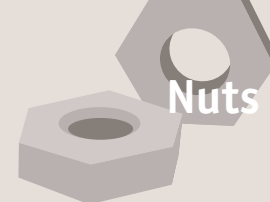
Technical Notes
To DIN 315 AF.

Order No.	d_1	w_1	h_1	h_2 max.	Material
P0328.030-A4	M 3	18.5	8.8	3.0	A4 s/s
P0328.040-A4	M 4	18.5	8.8	3.0	A4 s/s
P0328.050-A4	M 5	22.0	10.5	4.0	A4 s/s
P0328.060-A4	M 6	26.8	12.9	4.9	A4 s/s
P0328.080-A4	M 8	30.3	14.8	5.4	A4 s/s
P0328.100-A4	M10	35.3	17.3	6.3	A4 s/s
P0328.120-A4	M12	47.5	22.5	7.9	A4 s/s
P0328.160-A4	M16	65.0	30.8	10.6	A4 s/s
P0328.200-A4	M20	67.0	31.2	12.2	A4 s/s



Wing Nuts

Female thread - brass



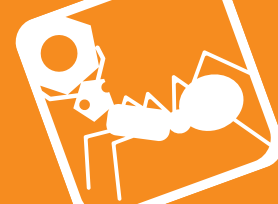
P0328.BR

NUTS

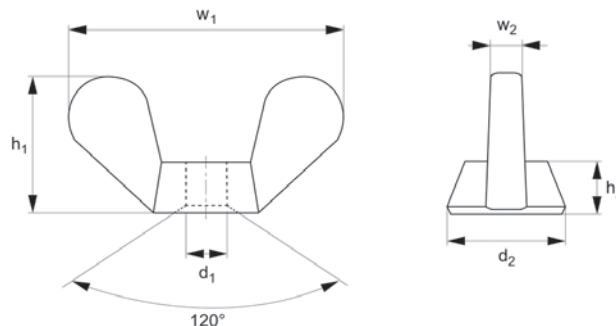
Material
Brass.

Technical Notes
To DIN 315 AF.

Order No.	d ₁	w ₁	h ₁	h ₂ max.	Material
P0328.030-BR	M 3	18.5	8.8	3.0	Brass
P0328.040-BR	M 4	18.5	8.8	3.0	Brass
P0328.050-BR	M 5	22.0	10.5	4.0	Brass
P0328.060-BR	M 6	26.8	12.9	4.9	Brass
P0328.080-BR	M 8	30.3	14.8	5.4	Brass
P0328.100-BR	M10	35.3	17.3	6.3	Brass
P0328.120-BR	M12	47.5	22.5	7.9	Brass
P0328.160-BR	M16	65.0	30.8	10.6	Brass
P0328.200-BR	M20	67.0	31.2	12.2	Brass



P0328.ZP



Material

Steel, zinc-plated.

Technical Notes

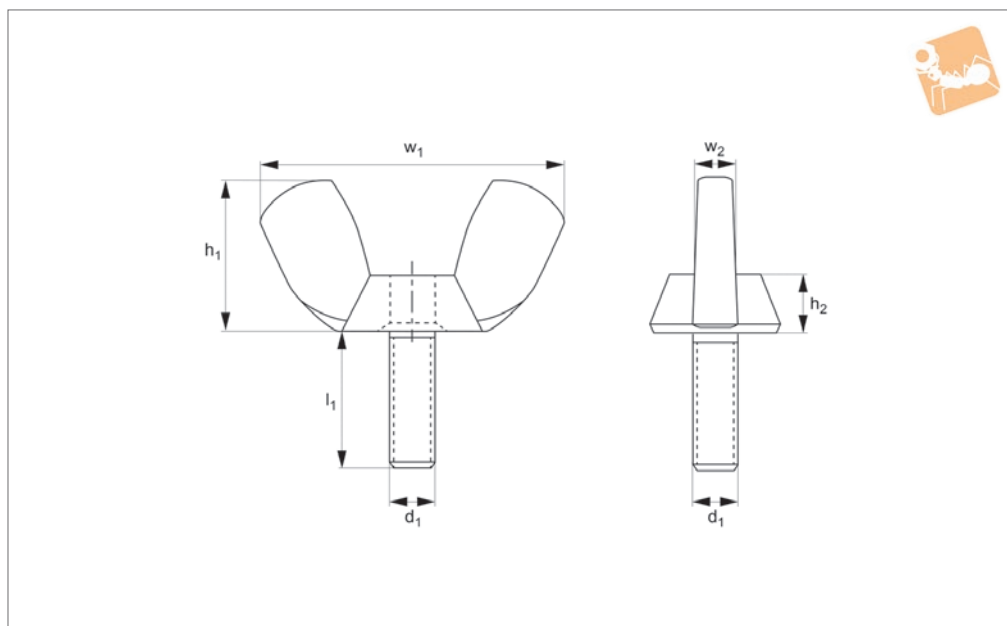
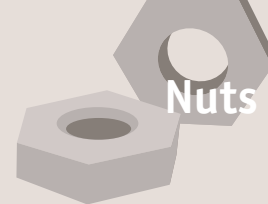
To DIN 315 AF.

Order No.	d_1	w_1	h_1	h_2 max.	Material
P0328.030-ZP	M 3	18.5	8.8	3.0	Steel ZP
P0328.040-ZP	M 4	18.5	8.8	3.0	Steel ZP
P0328.050-ZP	M 5	22.0	10.5	4.0	Steel ZP
P0328.060-ZP	M 6	26.8	12.9	4.9	Steel ZP
P0328.080-ZP	M 8	30.3	14.8	5.4	Steel ZP
P0328.100-ZP	M10	35.3	17.3	6.3	Steel ZP
P0328.120-ZP	M12	47.5	22.5	7.9	Steel ZP
P0328.160-ZP	M16	65.0	30.8	10.6	Steel ZP
P0328.200-ZP	M20	67.0	31.2	12.2	Steel ZP



Wing Screws

Male thread - A2 stainless



P0329.A2

NUTS

Material

Stainless steel (A2, AISI 303).

Tips

Other sizes available on request.

Technical Notes

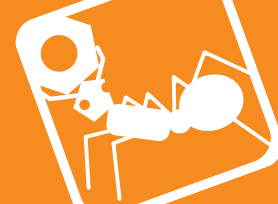
To DIN 316 AF.

Order No.	d ₁	w ₁	w ₂	h ₁	h ₂	l ₁	Material
P0329.030-010-A2	M 3	17.6	1.2	8.6	2.4	10	A2 s/s
P0329.030-012-A2	M 3	17.6	1.2	8.6	2.4	12	A2 s/s
P0329.030-016-A2	M 3	17.6	1.2	8.6	2.4	16	A2 s/s
P0329.030-020-A2	M 3	17.6	1.2	8.6	2.4	20	A2 s/s
P0329.030-025-A2	M 3	17.6	1.2	8.6	2.4	25	A2 s/s
P0329.030-030-A2	M 3	17.6	1.2	8.6	2.4	30	A2 s/s
P0329.040-010-A2	M 4	18.0	1.6	8.5	3.2	10	A2 s/s
P0329.040-012-A2	M 4	18.0	1.6	8.5	3.2	12	A2 s/s
P0329.040-016-A2	M 4	18.0	1.6	8.5	3.2	16	A2 s/s
P0329.040-020-A2	M 4	18.0	1.6	8.5	3.2	20	A2 s/s
P0329.040-025-A2	M 4	18.0	1.6	8.5	3.2	25	A2 s/s
P0329.040-030-A2	M 4	18.0	1.6	8.5	3.2	30	A2 s/s
P0329.040-035-A2	M 4	18.0	1.6	8.5	3.2	35	A2 s/s
P0329.040-040-A2	M 4	18.0	1.6	8.5	3.2	40	A2 s/s
P0329.050-010-A2	M 5	24.0	2.1	11.0	4.0	10	A2 s/s
P0329.050-012-A2	M 5	24.0	2.1	11.0	4.0	12	A2 s/s
P0329.050-016-A2	M 5	24.0	2.1	11.0	4.0	16	A2 s/s
P0329.050-020-A2	M 5	24.0	2.1	11.0	4.0	20	A2 s/s
P0329.050-025-A2	M 5	24.0	2.1	11.0	4.0	25	A2 s/s
P0329.050-030-A2	M 5	24.0	2.1	11.0	4.0	30	A2 s/s
P0329.050-035-A2	M 5	24.0	2.1	11.0	4.0	35	A2 s/s
P0329.050-040-A2	M 5	24.0	2.1	11.0	4.0	40	A2 s/s
P0329.050-045-A2	M 5	24.0	2.1	11.0	4.0	45	A2 s/s
P0329.050-050-A2	M 5	24.0	2.1	11.0	4.0	50	A2 s/s
P0329.060-010-A2	M 6	30.0	2.5	15.0	5.0	10	A2 s/s
P0329.060-012-A2	M 6	30.0	2.5	15.0	5.0	12	A2 s/s
P0329.060-016-A2	M 6	30.0	2.5	15.0	5.0	16	A2 s/s
P0329.060-020-A2	M 6	30.0	2.5	15.0	5.0	20	A2 s/s
P0329.060-025-A2	M 6	30.0	2.5	15.0	5.0	25	A2 s/s
P0329.060-030-A2	M 6	30.0	2.5	15.0	5.0	30	A2 s/s
P0329.060-035-A2	M 6	30.0	2.5	15.0	5.0	35	A2 s/s
P0329.060-040-A2	M 6	30.0	2.5	15.0	5.0	40	A2 s/s
P0329.060-045-A2	M 6	30.0	2.5	15.0	5.0	45	A2 s/s
P0329.060-050-A2	M 6	30.0	2.5	15.0	5.0	50	A2 s/s



Wing Screws

Male thread - A2 stainless



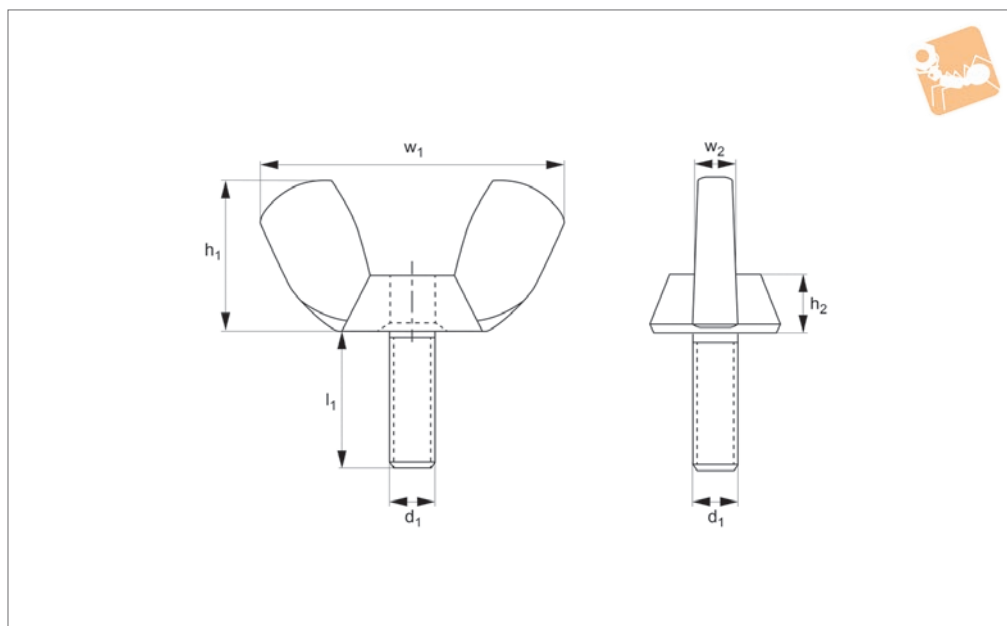
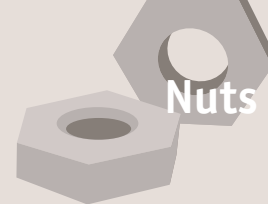
NUTS

Order No.	d ₁	w ₁	w ₂	h ₁	h ₂	l ₁	Material
P0329.080-010-A2	M 8	36.0	2.8	18.0	6.5	10	A2 s/s
P0329.080-012-A2	M 8	36.0	2.8	18.0	6.5	12	A2 s/s
P0329.080-016-A2	M 8	36.0	2.8	18.0	6.5	16	A2 s/s
P0329.080-020-A2	M 8	36.0	2.8	18.0	6.5	20	A2 s/s
P0329.080-025-A2	M 8	36.0	2.8	18.0	6.5	25	A2 s/s
P0329.080-030-A2	M 8	36.0	2.8	18.0	6.5	30	A2 s/s
P0329.080-035-A2	M 8	36.0	2.8	18.0	6.5	35	A2 s/s
P0329.080-040-A2	M 8	36.0	2.8	18.0	6.5	40	A2 s/s
P0329.080-045-A2	M 8	36.0	2.8	18.0	6.5	45	A2 s/s
P0329.080-050-A2	M 8	36.0	2.8	18.0	6.5	50	A2 s/s
P0329.080-055-A2	M 8	36.0	2.8	18.0	6.5	55	A2 s/s
P0329.080-060-A2	M 8	36.0	2.8	18.0	6.5	60	A2 s/s
P0329.100-016-A2	M10	48.0	3.3	23.0	8.0	16	A2 s/s
P0329.100-020-A2	M10	48.0	3.3	23.0	8.0	20	A2 s/s
P0329.100-025-A2	M10	48.0	3.3	23.0	8.0	25	A2 s/s
P0329.100-030-A2	M10	48.0	3.3	23.0	8.0	30	A2 s/s
P0329.100-035-A2	M10	48.0	3.3	23.0	8.0	35	A2 s/s
P0329.100-040-A2	M10	48.0	3.3	23.0	8.0	40	A2 s/s
P0329.100-045-A2	M10	48.0	3.3	23.0	8.0	45	A2 s/s
P0329.100-050-A2	M10	48.0	3.3	23.0	8.0	50	A2 s/s
P0329.100-055-A2	M10	48.0	3.3	23.0	8.0	55	A2 s/s
P0329.100-060-A2	M10	48.0	3.3	23.0	8.0	60	A2 s/s
P0329.120-020-A2	M12	62.0	4.5	31.0	10.0	20	A2 s/s
P0329.120-025-A2	M12	62.0	4.5	31.0	10.0	25	A2 s/s
P0329.120-030-A2	M12	62.	4.5	31.0	10.0	30	A2 s/s



Wing Screws

Male thread - A4 stainless



P0329.A4

NUTS

Material

Stainless steel (A4, AISI 316).

Tips

Other sizes available on request.

Technical Notes

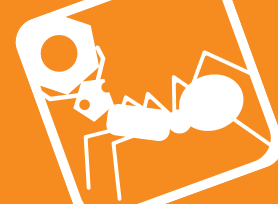
To DIN 316 AF.

Order No.	d ₁	w ₁	w ₂	h ₁	h ₂	l ₁	Material
P0329.030-010-A4	M 3	17.6	1.2	8.6	2.4	10	A4 s/s
P0329.030-012-A4	M 3	17.6	1.2	8.6	2.4	12	A4 s/s
P0329.030-016-A4	M 3	17.6	1.2	8.6	2.4	16	A4 s/s
P0329.030-020-A4	M 3	17.6	1.2	8.6	2.4	20	A4 s/s
P0329.030-025-A4	M 3	17.6	1.2	8.6	2.4	25	A4 s/s
P0329.030-030-A4	M 3	17.6	1.2	8.6	2.4	30	A4 s/s
P0329.040-010-A4	M 4	18.0	1.6	8.5	3.2	10	A4 s/s
P0329.040-012-A4	M 4	18.0	1.6	8.5	3.2	12	A4 s/s
P0329.040-016-A4	M 4	18.0	1.6	8.5	3.2	16	A4 s/s
P0329.040-020-A4	M 4	18.0	1.6	8.5	3.2	20	A4 s/s
P0329.040-025-A4	M 4	18.0	1.6	8.5	3.2	25	A4 s/s
P0329.040-030-A4	M 4	18.0	1.6	8.5	3.2	30	A4 s/s
P0329.040-035-A4	M 4	18.0	1.6	8.5	3.2	35	A4 s/s
P0329.040-040-A4	M 4	18.0	1.6	8.5	3.2	40	A4 s/s
P0329.050-010-A4	M 5	24.0	2.1	11.0	4.0	10	A4 s/s
P0329.050-012-A4	M 5	24.0	2.1	11.0	4.0	12	A4 s/s
P0329.050-016-A4	M 5	24.0	2.1	11.0	4.0	16	A4 s/s
P0329.050-020-A4	M 5	24.0	2.1	11.0	4.0	20	A4 s/s
P0329.050-025-A4	M 5	24.0	2.1	11.0	4.0	25	A4 s/s
P0329.050-030-A4	M 5	24.0	2.1	11.0	4.0	30	A4 s/s
P0329.050-035-A4	M 5	24.0	2.1	11.0	4.0	35	A4 s/s
P0329.050-040-A4	M 5	24.0	2.1	11.0	4.0	40	A4 s/s
P0329.050-045-A4	M 5	24.0	2.1	11.0	4.0	45	A4 s/s
P0329.050-050-A4	M 5	24.0	2.1	11.0	4.0	50	A4 s/s
P0329.060-010-A4	M 6	30.0	2.5	15.0	5.0	10	A4 s/s
P0329.060-012-A4	M 6	30.0	2.5	15.0	5.0	12	A4 s/s
P0329.060-016-A4	M 6	30.0	2.5	15.0	5.0	16	A4 s/s
P0329.060-020-A4	M 6	30.0	2.5	15.0	5.0	20	A4 s/s
P0329.060-025-A4	M 6	30.0	2.5	15.0	5.0	25	A4 s/s
P0329.060-030-A4	M 6	30.0	2.5	15.0	5.0	30	A4 s/s
P0329.060-035-A4	M 6	30.0	2.5	15.0	5.0	35	A4 s/s
P0329.060-040-A4	M 6	30.0	2.5	15.0	5.0	40	A4 s/s
P0329.060-045-A4	M 6	30.0	2.5	15.0	5.0	45	A4 s/s
P0329.060-050-A4	M 6	30.0	2.5	15.0	5.0	50	A4 s/s



Wing Screws

Male thread - A4 stainless



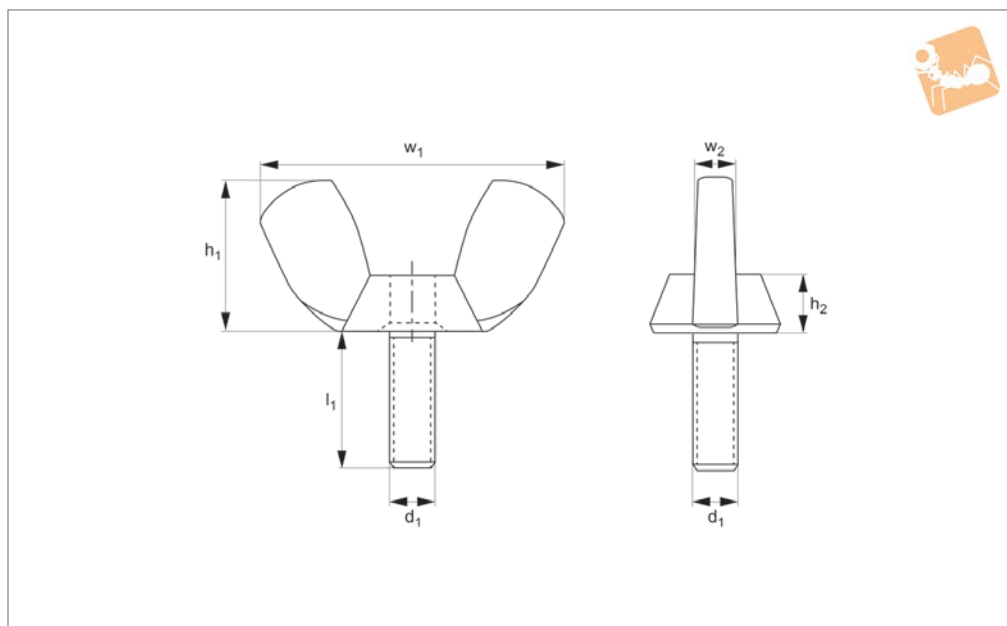
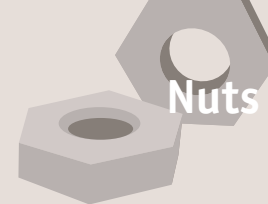
NUTS

Order No.	d ₁	w ₁	w ₂	h ₁	h ₂	l ₁	Material
P0329.080-010-A4	M 8	36.0	2.8	18.0	6.5	10	A4 s/s
P0329.080-012-A4	M 8	36.0	2.8	18.0	6.5	12	A4 s/s
P0329.080-016-A4	M 8	36.0	2.8	18.0	6.5	16	A4 s/s
P0329.080-020-A4	M 8	36.0	2.8	18.0	6.5	20	A4 s/s
P0329.080-025-A4	M 8	36.0	2.8	18.0	6.5	25	A4 s/s
P0329.080-030-A4	M 8	36.0	2.8	18.0	6.5	30	A4 s/s
P0329.080-035-A4	M 8	36.0	2.8	18.0	6.5	35	A4 s/s
P0329.080-040-A4	M 8	36.0	2.8	18.0	6.5	40	A4 s/s
P0329.080-045-A4	M 8	36.0	2.8	18.0	6.5	45	A4 s/s
P0329.080-050-A4	M 8	36.0	2.8	18.0	6.5	50	A4 s/s
P0329.080-055-A4	M 8	36.0	2.8	18.0	6.5	55	A4 s/s
P0329.080-060-A4	M 8	36.0	2.8	18.0	6.5	60	A4 s/s
P0329.100-016-A4	M10	48.0	3.3	23.0	8.0	16	A4 s/s
P0329.100-020-A4	M10	48.0	3.3	23.0	8.0	20	A4 s/s
P0329.100-025-A4	M10	48.0	3.3	23.0	8.0	25	A4 s/s
P0329.100-030-A4	M10	48.0	3.3	23.0	8.0	30	A4 s/s
P0329.100-035-A4	M10	48.0	3.3	23.0	8.0	35	A4 s/s
P0329.100-040-A4	M10	48.0	3.3	23.0	8.0	40	A4 s/s
P0329.100-045-A4	M10	48.0	3.3	23.0	8.0	45	A4 s/s
P0329.100-050-A4	M10	48.0	3.3	23.0	8.0	50	A4 s/s
P0329.100-055-A4	M10	48.0	3.3	23.0	8.0	55	A4 s/s
P0329.100-060-A4	M10	48.0	3.3	23.0	8.0	60	A4 s/s
P0329.120-020-A4	M12	62.0	4.5	31.0	10.0	20	A4 s/s
P0329.120-025-A4	M12	62.0	4.5	31.0	10.0	25	A4 s/s
P0329.120-030-A4	M12	62.0	4.5	31.0	10.0	30	A4 s/s



Wing Screws

Male thread - steel, zinc-plated



P0329.ZP

NUTS

Material

Steel, zinc-plated.

Tips

Other sizes available on request.

Technical Notes

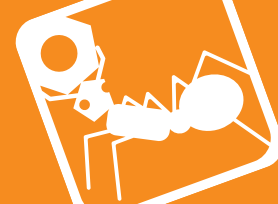
To DIN 316 AF.

Order No.	d ₁	w ₁	w ₂	h ₁	h ₂	l ₁	Material
P0329.040-010-ZP	M 4	18.0	1.6	8.5	3.2	10	Steel ZP
P0329.040-012-ZP	M 4	18.0	1.6	8.5	3.2	12	Steel ZP
P0329.040-016-ZP	M 4	18.0	1.6	8.5	3.2	16	Steel ZP
P0329.040-020-ZP	M 4	18.0	1.6	8.5	3.2	20	Steel ZP
P0329.040-025-ZP	M 4	18.0	1.6	8.5	3.2	25	Steel ZP
P0329.040-030-ZP	M 4	18.0	1.6	8.5	3.2	30	Steel ZP
P0329.050-010-ZP	M 5	24.0	2.1	11.0	4.0	10	Steel ZP
P0329.050-012-ZP	M 5	24.0	2.1	11.0	4.0	12	Steel ZP
P0329.050-016-ZP	M 5	24.0	2.1	11.0	4.0	16	Steel ZP
P0329.050-020-ZP	M 5	24.0	2.1	11.0	4.0	20	Steel ZP
P0329.050-025-ZP	M 5	24.0	2.1	11.0	4.0	25	Steel ZP
P0329.050-030-ZP	M 5	24.0	2.1	11.0	4.0	30	Steel ZP
P0329.050-035-ZP	M 5	24.0	2.1	11.0	4.0	35	Steel ZP
P0329.050-040-ZP	M 5	24.0	2.1	11.0	4.0	40	Steel ZP
P0329.050-045-ZP	M 5	24.0	2.1	11.0	4.0	45	Steel ZP
P0329.050-050-ZP	M 5	24.0	2.1	11.0	4.0	50	Steel ZP
P0329.060-010-ZP	M 6	30.0	2.5	15.0	5.0	10	Steel ZP
P0329.060-012-ZP	M 6	30.0	2.5	15.0	5.0	12	Steel ZP
P0329.060-016-ZP	M 6	30.0	2.5	15.0	5.0	16	Steel ZP
P0329.060-020-ZP	M 6	30.0	2.5	15.0	5.0	20	Steel ZP
P0329.060-025-ZP	M 6	30.0	2.5	15.0	5.0	25	Steel ZP
P0329.060-030-ZP	M 6	30.0	2.5	15.0	5.0	30	Steel ZP
P0329.060-035-ZP	M 6	30.0	2.5	15.0	5.0	35	Steel ZP
P0329.060-040-ZP	M 6	30.0	2.5	15.0	5.0	40	Steel ZP
P0329.060-045-ZP	M 6	30.0	2.5	15.0	5.0	45	Steel ZP
P0329.060-050-ZP	M 6	30.0	2.5	15.0	5.0	50	Steel ZP
P0329.080-010-ZP	M 8	36.0	2.8	18.0	6.5	10	Steel ZP
P0329.080-012-ZP	M 8	36.0	2.8	18.0	6.5	12	Steel ZP
P0329.080-016-ZP	M 8	36.0	2.8	18.0	6.5	16	Steel ZP
P0329.080-020-ZP	M 8	36.0	2.8	18.0	6.5	20	Steel ZP
P0329.080-025-ZP	M 8	36.0	2.8	18.0	6.5	25	Steel ZP
P0329.080-030-ZP	M 8	36.0	2.8	18.0	6.5	30	Steel ZP
P0329.080-035-ZP	M 8	36.0	2.8	18.0	6.5	35	Steel ZP
P0329.080-040-ZP	M 8	36.0	2.8	18.0	6.5	40	Steel ZP



Wing Screws

Male thread - steel, zinc-plated

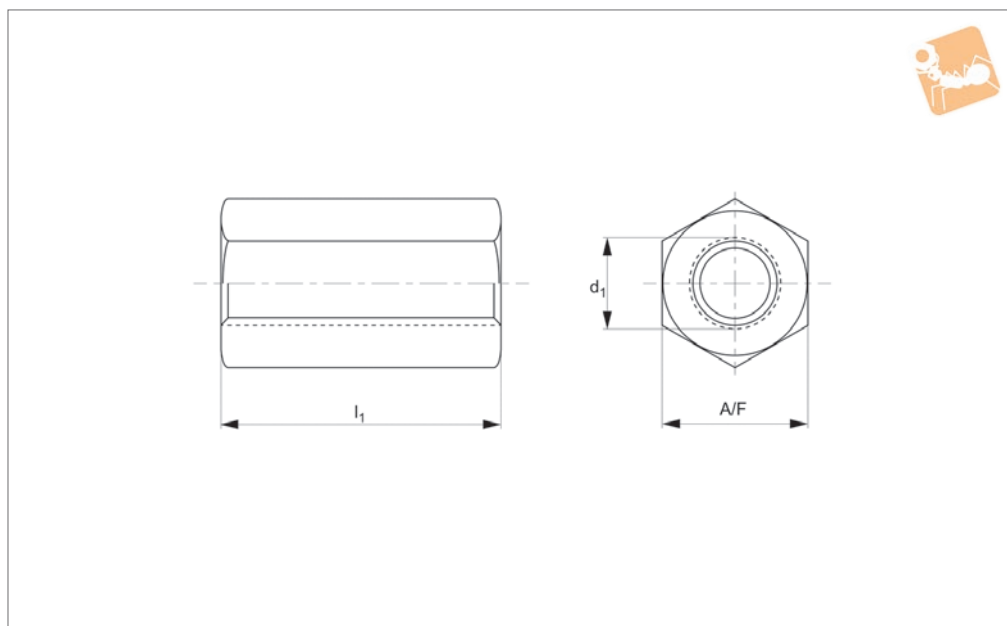
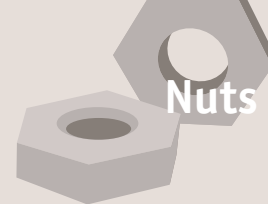


Order No.	d ₁	w ₁	w ₂	h ₁	h ₂	l ₁	Material
P0329.080-045-ZP	M 8	36.0	2.8	18.0	6.5	45	Steel ZP
P0329.080-050-ZP	M 8	36.0	2.8	18.0	6.5	50	Steel ZP
P0329.080-055-ZP	M 8	36.0	2.8	18.0	6.5	55	Steel ZP
P0329.080-060-ZP	M 8	36.0	2.8	18.0	6.5	60	Steel ZP
P0329.100-016-ZP	M10	48.0	3.3	23.0	8.0	16	Steel ZP
P0329.100-020-ZP	M10	48.0	3.3	23.0	8.0	20	Steel ZP
P0329.100-025-ZP	M10	48.0	3.3	23.0	8.0	25	Steel ZP
P0329.100-030-ZP	M10	48.0	3.3	23.0	8.0	30	Steel ZP
P0329.100-035-ZP	M10	48.0	3.3	23.0	8.0	35	Steel ZP
P0329.100-040-ZP	M10	48.0	3.3	23.0	8.0	40	Steel ZP
P0329.100-045-ZP	M10	48.0	3.3	23.0	8.0	45	Steel ZP
P0329.100-050-ZP	M10	48.0	3.3	23.0	8.0	50	Steel ZP
P0329.100-055-ZP	M10	48.0	3.3	23.0	8.0	55	Steel ZP
P0329.100-060-ZP	M10	48.0	3.3	23.0	8.0	60	Steel ZP
P0329.120-020-ZP	M12	62.0	4.5	31.0	10.0	20	Steel ZP
P0329.120-025-ZP	M12	62.0	4.5	31.0	10.0	25	Steel ZP
P0329.120-030-ZP	M12	62.0	4.5	31.0	10.0	30	Steel ZP



Hexagonal Coupler Nuts

A2 & A4 stainless

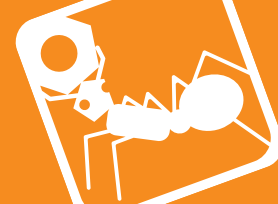


P0322.H

Material

Stainless steel (A2 & A4)

Order No.	d ₁	l ₁	A/F	Material
P0322.060-020-H2	M 6	20	10	A2 s/s
P0322.060-025-H2	M 6	25	10	A2 s/s
P0322.060-030-H2	M 6	30	10	A2 s/s
P0322.060-035-H2	M 6	35	10	A2 s/s
P0322.060-040-H2	M 6	40	10	A2 s/s
P0322.080-020-H2	M 8	20	13	A2 s/s
P0322.080-025-H2	M 8	25	13	A2 s/s
P0322.080-030-H2	M 8	30	13	A2 s/s
P0322.080-035-H2	M 8	35	13	A2 s/s
P0322.080-040-H2	M 8	40	13	A2 s/s
P0322.080-050-H2	M 8	50	13	A2 s/s
P0322.100-020-H2	M10	20	17	A2 s/s
P0322.100-025-H2	M10	25	17	A2 s/s
P0322.100-030-H2	M10	30	17	A2 s/s
P0322.100-035-H2	M10	35	17	A2 s/s
P0322.100-040-H2	M10	40	17	A2 s/s
P0322.100-050-H2	M10	50	17	A2 s/s
P0322.120-030-H2	M12	30	19	A2 s/s
P0322.120-035-H2	M12	35	19	A2 s/s
P0322.120-040-H2	M12	40	19	A2 s/s
P0322.120-050-H2	M12	50	19	A2 s/s
P0322.160-040-H2	M16	40	24	A2 s/s
P0322.160-050-H2	M16	50	24	A2 s/s
P0322.200-050-H2	M20	50	30	A2 s/s
P0322.240-050-H2	M24	50	36	A2 s/s
P0322.300-060-H2	M30	60	46	A2 s/s
P0322.060-020-H4	M 6	20	10	A4 s/s
P0322.060-025-H4	M 6	25	10	A4 s/s
P0322.060-030-H4	M 6	30	10	A4 s/s
P0322.060-035-H4	M 6	35	10	A4 s/s
P0322.060-040-H4	M 6	40	10	A4 s/s
P0322.080-020-H4	M 8	20	13	A4 s/s
P0322.080-025-H4	M 8	25	13	A4 s/s
P0322.080-030-H4	M 8	30	13	A4 s/s
P0322.080-035-H4	M 8	35	13	A4 s/s

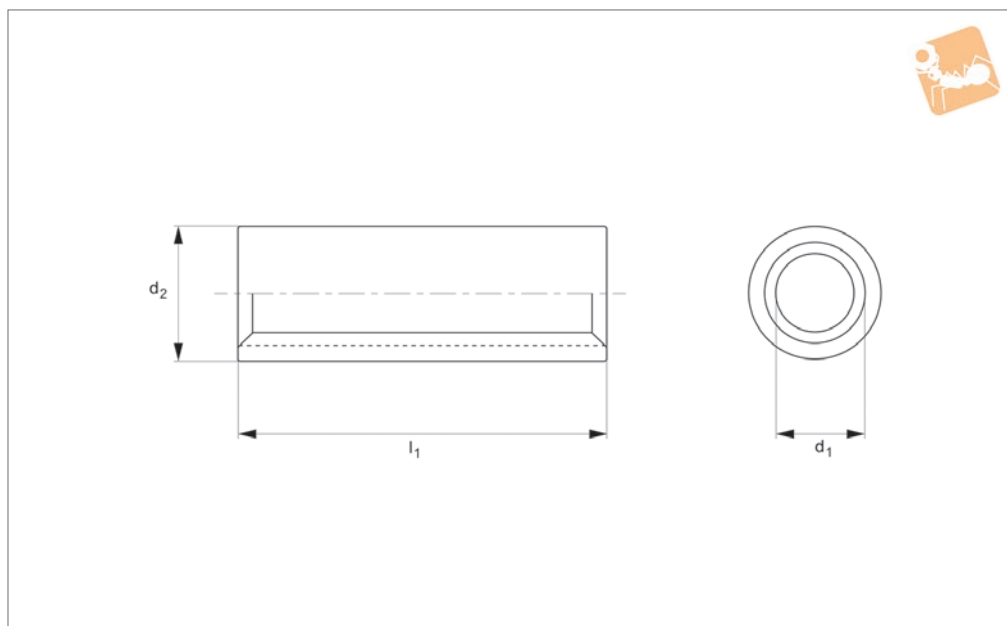
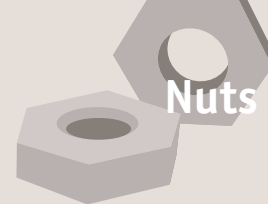


Order No.	d ₁	l ₁	A/F	Material
P0322.080-040-H4	M 8	40	13	A4 s/s
P0322.080-050-H4	M 8	50	13	A4 s/s
P0322.100-020-H4	M10	20	17	A4 s/s
P0322.100-025-H4	M10	25	17	A4 s/s
P0322.100-030-H4	M10	30	17	A4 s/s
P0322.100-035-H4	M10	35	17	A4 s/s
P0322.100-040-H4	M10	40	17	A4 s/s
P0322.120-030-H4	M12	30	19	A4 s/s
P0322.120-035-H4	M12	35	19	A4 s/s
P0322.120-040-H4	M12	40	19	A4 s/s
P0322.120-050-H4	M12	50	19	A4 s/s
P0322.160-040-H4	M16	40	24	A4 s/s
P0322.160-050-H4	M16	50	24	A4 s/s
P0322.200-050-H4	M20	50	30	A4 s/s
P0322.240-050-H4	M24	50	36	A4 s/s
P0322.300-060-H4	M30	60	46	A4 s/s



Round Coupler Nuts

A2 & A4 stainless



P0322.R

NUTS

Material

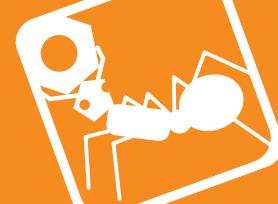
Stainless steel (A2 & A4)

Order No.	d ₁	d ₂	l ₁	Material
P0322.060-020-R2	M 6	10	20	A2 s/s
P0322.060-025-R2	M 6	10	25	A2 s/s
P0322.060-030-R2	M 6	10	30	A2 s/s
P0322.080-020-R2	M 8	11	20	A2 s/s
P0322.080-025-R2	M 8	11	25	A2 s/s
P0322.080-030-R2	M 8	11	30	A2 s/s
P0322.080-035-R2	M 8	11	35	A2 s/s
P0322.080-040-R2	M 8	11	40	A2 s/s
P0322.080-050-R2	M 8	11	50	A2 s/s
P0322.100-025-R2	M10	13	25	A2 s/s
P0322.100-030-R2	M10	13	30	A2 s/s
P0322.100-035-R2	M10	13	35	A2 s/s
P0322.100-040-R2	M10	13	40	A2 s/s
P0322.100-050-R2	M10	13	50	A2 s/s
P0322.120-030-R2	M12	15	30	A2 s/s
P0322.120-035-R2	M12	15	35	A2 s/s
P0322.120-040-R2	M12	15	40	A2 s/s
P0322.120-050-R2	M12	15	50	A2 s/s
P0322.160-040-R2	M16	22	40	A2 s/s
P0322.160-050-R2	M16	22	50	A2 s/s
P0322.200-050-R2	M20	28	5	A2 s/s
P0322.060-020-R4	M 6	10	20	A4 s/s
P0322.060-025-R4	M 6	10	25	A4 s/s
P0322.060-030-R4	M 6	10	30	A4 s/s
P0322.080-020-R4	M 8	11	20	A4 s/s
P0322.080-025-R4	M 8	11	25	A4 s/s
P0322.080-030-R4	M 8	11	30	A4 s/s
P0322.080-035-R4	M 8	11	35	A4 s/s
P0322.080-040-R4	M 8	11	40	A4 s/s
P0322.080-050-R4	M 8	11	50	A4 s/s
P0322.100-025-R4	M10	13	25	A4 s/s
P0322.100-030-R4	M10	13	30	A4 s/s
P0322.100-035-R4	M10	13	35	A4 s/s
P0322.100-040-R4	M10	13	40	A4 s/s
P0322.100-050-R4	M10	13	50	A4 s/s



Round Coupler Nuts

A2 & A4 stainless



Order No.	d ₁	d ₂	l ₁	Material
P0322.120-030-R4	M12	15	30	A4 s/s
P0322.120-035-R4	M12	15	35	A4 s/s
P0322.120-040-R4	M12	15	40	A4 s/s
P0322.120-050-R4	M12	15	50	A4 s/s
P0322.160-040-R4	M16	22	40	A4 s/s
P0322.160-050-R4	M16	22	50	A4 s/s
P0322.200-050-R4	M20	28	50	A4 s/s