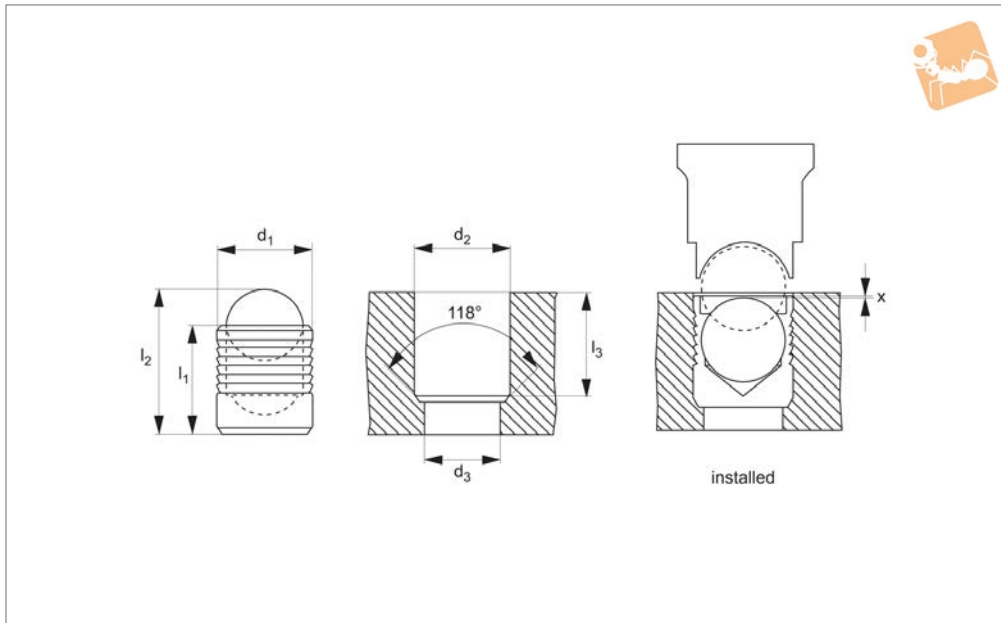
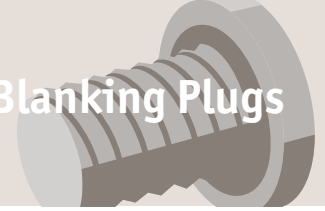




Expansion Sealing Plugs

Metric - standard

Blanking Plugs



P0190

BLANKING PLUGS

Material

Plug body: case hardened steel (zinc-plated), stainless steel (A2, AISI 303 & A4 AISI 316) or aluminium (2024-T4).

Ball: heat-treated bearing steel or stainless steel (A2, AISI 303 & A4 AISI 316).

Technical Notes

These high pressure sealing plugs are used to blank off externally drilled holes for air

and gas.

No need for tapping, reaming, machining of O-ring grooves or the use of tapes or sealants.

Ensure the ball is fully seated before applying pressure.

Tips

Working pressure up to 450 bar (dependent on body material and material into which

installed).

Please consult technical pages for installation instructions and performance data.

Important Notes

Please refer to technical pages for product installation details.

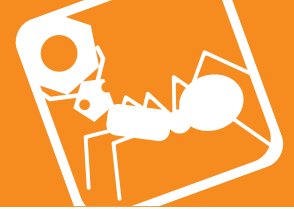
Order No.	d ₁	l ₁	l ₂	d ₂ +0.1 -0.0	d ₃ max.	l ₃ min.	x ±0.2	Body	Ball
P0190.030-ZP-BS	3.0	3.6	4.6	3.0	2.2	3.4	0.4	Steel ZP	Steel
P0190.040-ZP-BS	4.0	4.0	5.2	4.0	3.3	3.8	0.2	Steel ZP	Steel
P0190.050-ZP-BS	5.0	5.5	7.1	5.0	4.3	5.3	0.4	Steel ZP	Steel
P0190.060-ZP-BS	6.0	6.5	8.7	6.0	5.3	6.3	0.4	Steel ZP	Steel
P0190.070-ZP-BS	7.0	7.5	10.2	7.0	6.4	7.3	0.4	Steel ZP	Steel
P0190.080-ZP-BS	8.0	8.5	11.6	8.0	7.4	8.3	0.3	Steel ZP	Steel
P0190.090-ZP-BS	9.0	10.0	13.6	9.0	8.4	9.8	0.4	Steel ZP	Steel
P0190.100-ZP-BS	10.0	11.0	15.2	10.0	9.4	10.8	0.4	Steel ZP	Steel
P0190.120-ZP-BS	12.0	13.0	17.9	12.0	10.6	12.8	0.4	Steel ZP	Steel
P0190.140-ZP-BS	14.0	15.0	20.6	14.0	12.7	14.5	0.4	Steel ZP	Steel
P0190.160-ZP-BS	16.0	17.0	23.4	16.0	14.7	16.5	0.6	Steel ZP	Steel
P0190.180-ZP-BS	18.0	19.0	26.4	18.0	16.7	18.5	0.6	Steel ZP	Steel
P0190.200-ZP-BS	20.0	22.0	30.1	20.0	18.7	21.5	0.8	Steel ZP	Steel
P0190.220-ZP-BS	22.0	25.0	34.0	22.0	20.7	24.5	0.8	Steel ZP	Steel
P0190.030-A2-BS	3.0	3.6	4.6	3.0	2.2	3.4	0.4	A2 s/s	Steel
P0190.040-A2-BS	4.0	4.0	5.2	4.0	3.3	3.8	0.2	A2 s/s	Steel
P0190.050-A2-BS	5.0	5.5	7.1	5.0	4.3	5.3	0.4	A2 s/s	Steel
P0190.060-A2-BS	6.0	6.5	8.7	6.0	5.3	6.3	0.4	A2 s/s	Steel
P0190.070-A2-BS	7.0	7.5	10.2	7.0	6.4	7.3	0.4	A2 s/s	Steel
P0190.080-A2-BS	8.0	8.5	11.6	8.0	7.4	8.3	0.3	A2 s/s	Steel
P0190.090-A2-BS	9.0	10.0	13.6	9.0	8.4	9.8	0.4	A2 s/s	Steel
P0190.100-A2-BS	10.0	11.0	15.2	10.0	9.4	10.8	0.4	A2 s/s	Steel
P0190.120-A2-BS	12.0	13.0	17.9	12.0	10.6	12.8	0.4	A2 s/s	Steel
P0190.140-A2-BS	14.0	15.0	20.6	14.0	12.7	14.5	0.4	A2 s/s	Steel
P0190.160-A2-BS	16.0	17.0	23.4	16.0	14.7	16.5	0.6	A2 s/s	Steel
P0190.180-A2-BS	18.0	19.0	26.4	18.0	16.7	18.5	0.6	A2 s/s	Steel
P0190.200-A2-BS	20.0	22.0	30.1	20.0	18.7	21.5	0.8	A2 s/s	Steel
P0190.220-A2-BS	22.0	25.0	34.0	22.0	20.7	24.5	0.8	A2 s/s	Steel



Blanking Plugs

Expansion Sealing Plugs

Metric - standard



BLANKING PLUGS

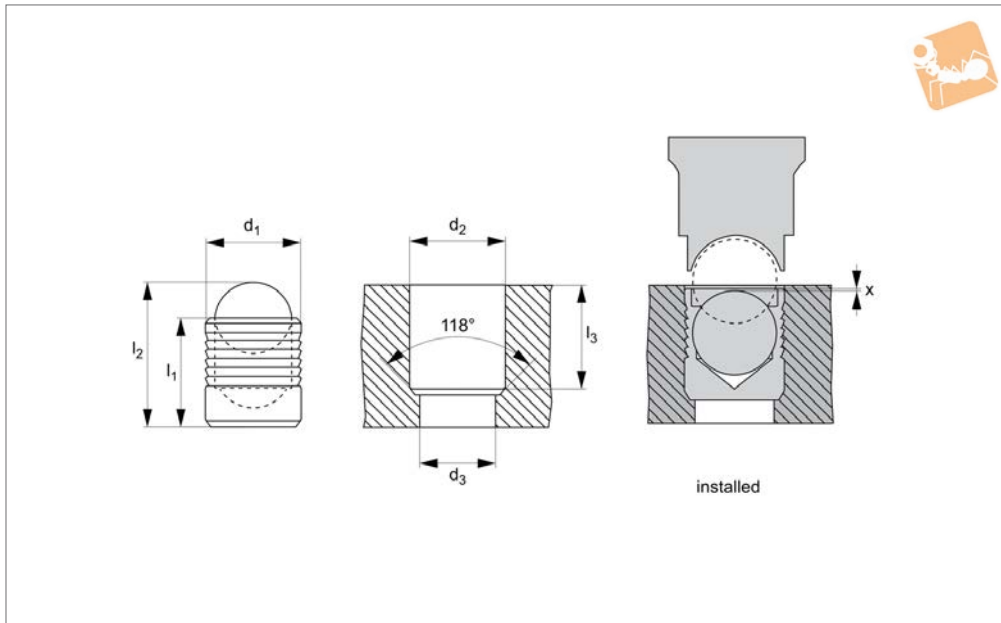
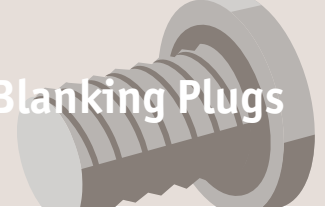
Order No.	d ₁	l ₁	l ₂	d ₂ +0.1 -0.0	d ₃ max.	l ₃ min.	x ±0.2	Body	Ball
P0190.030-A4-A4	3.0	3.6	4.6	3.0	2.2	3.4	0.4	A4 s/s	A4 s/s
P0190.040-A4-A4	4.0	4.0	5.2	4.0	3.3	3.8	0.2	A4 s/s	A4 s/s
P0190.050-A4-A4	5.0	5.5	7.1	5.0	4.3	5.3	0.4	A4 s/s	A4 s/s
P0190.060-A4-A4	6.0	6.5	8.7	6.0	5.3	6.3	0.4	A4 s/s	A4 s/s
P0190.070-A4-A4	7.0	7.5	10.2	7.0	6.4	7.3	0.4	A4 s/s	A4 s/s
P0190.080-A4-A4	8.0	8.5	11.6	8.0	7.4	8.3	0.3	A4 s/s	A4 s/s
P0190.090-A4-A4	9.0	10.0	13.6	9.0	8.4	9.8	0.4	A4 s/s	A4 s/s
P0190.100-A4-A4	10.0	11.0	15.2	10.0	9.4	10.8	0.4	A4 s/s	A4 s/s
P0190.120-A4-A4	12.0	13.0	17.9	12.0	10.6	12.8	0.4	A4 s/s	A4 s/s
P0190.140-A4-A4	14.0	15.0	20.6	14.0	12.7	14.5	0.4	A4 s/s	A4 s/s
P0190.160-A4-A4	16.0	17.0	23.4	16.0	14.7	16.5	0.6	A4 s/s	A4 s/s
P0190.180-A4-A4	18.0	19.0	26.4	18.0	16.7	18.5	0.6	A4 s/s	A4 s/s
P0190.200-A4-A4	20.0	22.0	30.1	20.0	18.7	21.5	0.8	A4 s/s	A4 s/s
P0190.220-A4-A4	22.0	25.0	34.0	22.0	20.7	24.5	0.8	A4 s/s	A4 s/s
P0190.030-AL-A2	3.0	3.6	4.6	3.0	2.2	3.4	0.4	Aluminium	A2 s/s
P0190.040-AL-A2	4.0	4.0	5.2	4.0	3.3	3.8	0.2	Aluminium	A2 s/s
P0190.050-AL-A2	5.0	5.5	7.1	5.0	4.3	5.3	0.4	Aluminium	A2 s/s
P0190.060-AL-A2	6.0	6.5	8.7	6.0	5.3	6.3	0.4	Aluminium	A2 s/s
P0190.070-AL-A2	7.0	7.5	10.2	7.0	6.4	7.3	0.4	Aluminium	A2 s/s
P0190.080-AL-A2	8.0	8.5	11.6	8.0	7.4	8.3	0.3	Aluminium	A2 s/s
P0190.090-AL-A2	9.0	10.0	13.6	9.0	8.4	9.8	0.4	Aluminium	A2 s/s
P0190.100-AL-A2	10.0	11.0	15.2	10.0	9.4	10.8	0.4	Aluminium	A2 s/s
P0190.120-AL-A2	12.0	13.0	17.9	12.0	10.6	12.8	0.4	Aluminium	A2 s/s
P0190.140-AL-A2	14.0	15.0	20.6	14.0	12.7	14.5	0.4	Aluminium	A2 s/s
P0190.160-AL-A2	16.0	17.0	23.4	16.0	14.7	16.5	0.6	Aluminium	A2 s/s
P0190.180-AL-A2	18.0	19.0	26.4	18.0	16.7	18.5	0.6	Aluminium	A2 s/s
P0190.200-AL-A2	20.0	22.0	30.1	20.0	18.7	21.5	0.8	Aluminium	A2 s/s
P0190.220-AL-A2	22.0	25.0	34.0	22.0	20.7	24.5	0.8	Aluminium	A2 s/s
P0190.030-A2-A2	3.0	3.6	4.6	3.0	2.2	3.4	0.4	A2 s/s	A2 s/s
P0190.040-A2-A2	4.0	4.0	5.2	4.0	3.3	3.8	0.2	A2 s/s	A2 s/s
P0190.050-A2-A2	5.0	5.5	7.1	5.0	4.3	5.3	0.4	A2 s/s	A2 s/s
P0190.060-A2-A2	6.0	6.5	8.7	6.0	5.3	6.3	0.4	A2 s/s	A2 s/s
P0190.070-A2-A2	7.0	7.5	10.2	7.0	6.4	7.3	0.4	A2 s/s	A2 s/s
P0190.080-A2-A2	8.0	8.5	11.6	8.0	7.4	8.3	0.3	A2 s/s	A2 s/s
P0190.090-A2-A2	9.0	10.0	13.6	9.0	8.4	9.8	0.4	A2 s/s	A2 s/s
P0190.100-A2-A2	10.0	11.0	15.2	10.0	9.4	10.8	0.4	A2 s/s	A2 s/s
P0190.120-A2-A2	12.0	13.0	17.9	12.0	10.6	12.8	0.4	A2 s/s	A2 s/s
P0190.140-A2-A2	14.0	15.0	20.6	14.0	12.7	14.5	0.4	A2 s/s	A2 s/s
P0190.160-A2-A2	16.0	17.0	23.4	16.0	14.7	16.5	0.6	A2 s/s	A2 s/s
P0190.180-A2-A2	18.0	19.0	26.4	18.0	16.7	18.5	0.6	A2 s/s	A2 s/s
P0190.200-A2-A2	20.0	22.0	30.1	20.0	18.7	21.5	0.8	A2 s/s	A2 s/s
P0190.220-A2-A2	22.0	25.0	34.0	22.0	20.7	24.5	0.8	A2 s/s	A2 s/s



Expansion Sealing Plugs - Inch

Inch - short

Blanking Plugs



P0191

BLANKING PLUGS

Material

Plug body: case hardened steel (zinc-plated), stainless steel (A2, AISI 303 & A4 AISI 316) or aluminium (2024-T4).

Ball: heat-treated bearing steel or stainless steel (A2, AISI 303 & A4 AISI 316).

Technical Notes

These high pressure sealing plugs are used to blank off externally drilled holes for air

and gas.

No need for tapping, reaming, machining of O-ring grooves or the use of tapes or sealants.

Ensure the ball is fully seated before applying pressure.

Dimensions in inches.

Tips

Working pressure up to 450 bar (dependent

on body material and material into which installed).

Please consult technical pages for installation instructions and performance data.

Important Notes

Please refer to technical pages for product installation details.

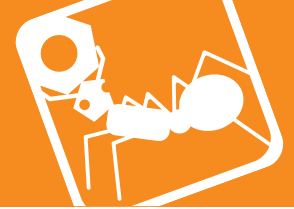
Order No.	d ₁	l ₁	l ₂	d ₂ +0.004 -0.000	d ₃ max.	l ₃ min.	x +0.0 -0.010	Body	Ball
P0191.093-ZP-BS	0.0937	0.098	0.12	0.0937	0.070	0.081	0.010	Steel ZP	Steel
P0191.125-ZP-BS	0.1250	0.125	0.16	0.1250	0.100	0.113	0.010	Steel ZP	Steel
P0191.156-ZP-BS	0.1562	0.125	0.17	0.1562	0.130	0.113	0.010	Steel ZP	Steel
P0191.187-ZP-BS	0.1875	0.187	0.24	0.1875	0.160	0.170	0.010	Steel ZP	Steel
P0191.218-ZP-BS	0.2187	0.187	0.25	0.2187	0.190	0.170	0.010	Steel ZP	Steel
P0191.250-ZP-BS	0.2500	0.225	0.30	0.2500	0.220	0.196	0.010	Steel ZP	Steel
P0191.281-ZP-BS	0.2812	0.225	0.35	0.2812	0.250	0.233	0.010	Steel ZP	Steel
P0191.312-ZP-BS	0.3125	0.280	0.39	0.3125	0.281	0.255	0.010	Steel ZP	Steel
P0191.343-ZP-BS	0.3437	0.307	0.43	0.3437	0.312	0.275	0.010	Steel ZP	Steel
P0191.406-ZP-BS	0.4062	0.365	0.52	0.4062	0.375	0.308	0.010	Steel ZP	Steel
P0191.093-A2-BS	0.0937	0.098	0.12	0.0937	0.070	0.081	0.010	A2 s/s	Steel
P0191.125-A2-BS	0.1250	0.125	0.16	0.1250	0.100	0.113	0.010	A2 s/s	Steel
P0191.156-A2-BS	0.1562	0.125	0.17	0.1562	0.130	0.113	0.010	A2 s/s	Steel
P0191.187-A2-BS	0.1875	0.187	0.24	0.1875	0.160	0.170	0.010	A2 s/s	Steel
P0191.218-A2-BS	0.2187	0.187	0.25	0.2187	0.190	0.170	0.010	A2 s/s	Steel
P0191.250-A2-BS	0.2500	0.225	0.30	0.2500	0.220	0.196	0.010	A2 s/s	Steel
P0191.281-A2-BS	0.2812	0.225	0.35	0.2812	0.250	0.233	0.010	A2 s/s	Steel
P0191.312-A2-BS	0.3125	0.280	0.39	0.3125	0.281	0.255	0.010	A2 s/s	Steel
P0191.343-A2-BS	0.3437	0.307	0.43	0.3437	0.312	0.275	0.010	A2 s/s	Steel
P0191.406-A2-BS	0.4062	0.365	0.52	0.4062	0.375	0.308	0.010	A2 s/s	Steel
P0191.093-A2-A2	0.0937	0.098	0.12	0.0937	0.070	0.081	0.010	A2 s/s	A2 s/s
P0191.125-A2-A2	0.1250	0.125	0.16	0.1250	0.100	0.113	0.010	A2 s/s	A2 s/s
P0191.156-A2-A2	0.1562	0.125	0.17	0.1562	0.130	0.113	0.010	A2 s/s	A2 s/s
P0191.187-A2-A2	0.1875	0.187	0.24	0.1875	0.160	0.170	0.010	A2 s/s	A2 s/s
P0191.218-A2-A2	0.2187	0.187	0.25	0.2187	0.190	0.170	0.010	A2 s/s	A2 s/s
P0191.250-A2-A2	0.2500	0.225	0.30	0.2500	0.220	0.196	0.010	A2 s/s	A2 s/s
P0191.281-A2-A2	0.2812	0.225	0.35	0.2812	0.250	0.233	0.010	A2 s/s	A2 s/s
P0191.312-A2-A2	0.3125	0.280	0.39	0.3125	0.281	0.255	0.010	A2 s/s	A2 s/s



Blanking Plugs

Expansion Sealing Plugs - Inch

Inch - short



BLANKING PLUGS

Order No.	d ₁	l ₁	l ₂	d ₂ +0.004 -0.000	d ₃ max.	l ₃ min.	x +0.0 -0.010	Body	Ball
P0191.343-A2-A2	0.3437	0.307	0.43	0.3437	0.312	0.275	0.010	A2 s/s	A2 s/s
P0191.406-A2-A2	0.4062	0.365	0.52	0.4062	0.375	0.308	0.010	A2 s/s	A2 s/s
P0191.093-A4-A4	0.0937	0.098	0.12	0.0937	0.070	0.081	0.010	A4 s/s	A4 s/s
P0191.125-A4-A4	0.1250	0.125	0.16	0.1250	0.100	0.113	0.010	A4 s/s	A4 s/s
P0191.156-A4-A4	0.1562	0.125	0.17	0.1562	0.130	0.113	0.010	A4 s/s	A4 s/s
P0191.187-A4-A4	0.1875	0.187	0.24	0.1875	0.160	0.170	0.010	A4 s/s	A4 s/s
P0191.218-A4-A4	0.2187	0.187	0.25	0.2187	0.190	0.170	0.010	A4 s/s	A4 s/s
P0191.250-A4-A4	0.2500	0.225	0.30	0.2500	0.220	0.196	0.010	A4 s/s	A4 s/s
P0191.281-A4-A4	0.2812	0.225	0.35	0.2812	0.250	0.233	0.010	A4 s/s	A4 s/s
P0191.312-A4-A4	0.3125	0.280	0.39	0.3125	0.281	0.255	0.010	A4 s/s	A4 s/s
P0191.343-A4-A4	0.3437	0.307	0.43	0.3437	0.312	0.275	0.010	A4 s/s	A4 s/s
P0191.406-A4-A4	0.4062	0.365	0.52	0.4062	0.375	0.308	0.010	A4 s/s	A4 s/s
P0191.093-AL-A2	0.0937	0.098	0.12	0.0937	0.070	0.081	0.010	Aluminium	A2 s/s
P0191.125-AL-A2	0.1250	0.125	0.16	0.1250	0.100	0.113	0.010	Aluminium	A2 s/s
P0191.156-AL-A2	0.1562	0.125	0.17	0.1562	0.130	0.113	0.010	Aluminium	A2 s/s
P0191.187-AL-A2	0.1875	0.187	0.24	0.1875	0.160	0.170	0.010	Aluminium	A2 s/s
P0191.218-AL-A2	0.2187	0.187	0.25	0.2187	0.190	0.170	0.010	Aluminium	A2 s/s
P0191.250-AL-A2	0.2500	0.225	0.30	0.2500	0.220	0.196	0.010	Aluminium	A2 s/s
P0191.281-AL-A2	0.2812	0.225	0.35	0.2812	0.250	0.233	0.010	Aluminium	A2 s/s
P0191.312-AL-A2	0.3125	0.280	0.39	0.3125	0.281	0.255	0.010	Aluminium	A2 s/s
P0191.343-AL-A2	0.3437	0.307	0.43	0.3437	0.312	0.275	0.010	Aluminium	A2 s/s
P0191.406-AL-A2	0.4062	0.365	0.52	0.4062	0.375	0.308	0.010	Aluminium	A2 s/s

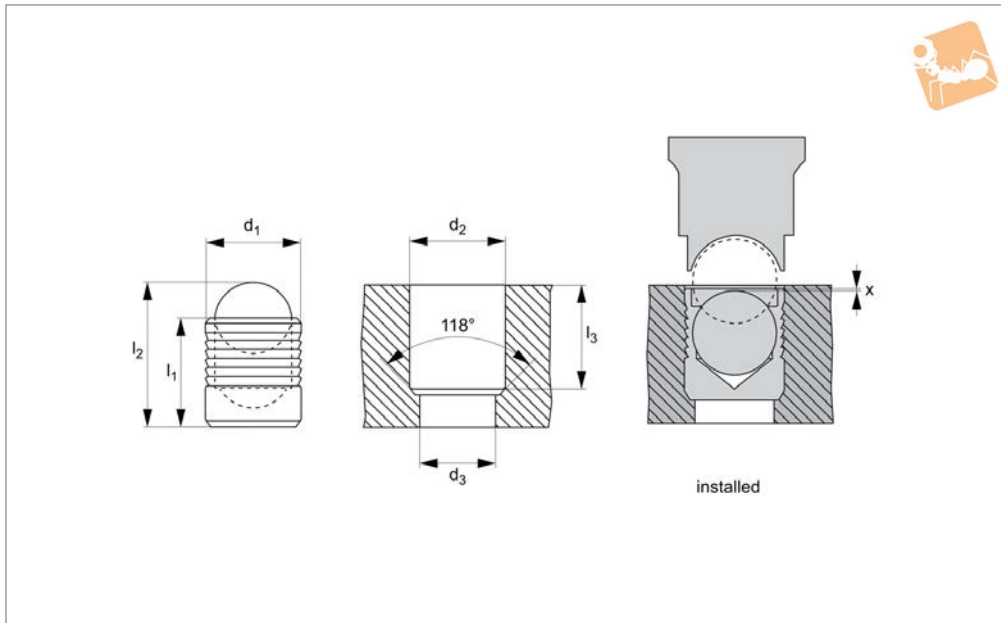


Expansion Sealing Plugs - Inch

Inch - standard



Blanking Plugs



P0192

BLANKING PLUGS

Material

Plug body: case hardened steel (zinc-plated), stainless steel (A2, AISI 303 & A4 AISI 316) or aluminium (2024-T4).

Ball: heat-treated bearing steel or stainless steel (A2, AISI 303 & A4 AISI 316).

Technical Notes

These high pressure sealing plugs are used to blank off externally drilled holes for air

and gas.

No need for tapping, reaming, machining of O-ring grooves or the use of tapes or sealants.

Ensure the ball is fully seated before applying pressure.

Dimensions in inches.

Tips

Working pressure up to 450 bar (dependent

on body material and material into which installed).

Please consult technical pages for installation instructions and performance data.

Important Notes

Please refer to technical pages for product installation details.

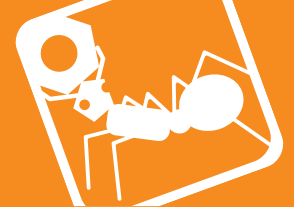
Order No.	d ₁	l ₁	l ₂	d ₂ +0.004 -0.000	d ₃ max.	l ₃ min.	x +0.0 -0.010	Body	Ball
P0192.156-ZP-BS	0.1562	0.157	0.21	0.1562	0.130	0.150	0.010	Steel ZP	Steel
P0192.187-ZP-BS	0.1875	0.216	0.28	0.1875	0.160	0.209	0.010	Steel ZP	Steel
P0192.218-ZP-BS	0.2187	0.220	0.28	0.2187	0.190	0.208	0.010	Steel ZP	Steel
P0192.250-ZP-BS	0.2500	0.256	0.34	0.2500	0.220	0.248	0.010	Steel ZP	Steel
P0192.281-ZP-BS	0.2812	0.295	0.40	0.2812	0.250	0.287	0.010	Steel ZP	Steel
P0192.312-ZP-BS	0.3125	0.334	0.46	0.3125	0.281	0.327	0.010	Steel ZP	Steel
P0192.343-ZP-BS	0.3437	0.394	0.53	0.3437	0.312	0.385	0.010	Steel ZP	Steel
P0192.375-ZP-BS	0.3750	0.433	0.60	0.3750	0.343	0.425	0.010	Steel ZP	Steel
P0192.406-ZP-BS	0.4062	0.437	0.59	0.4062	0.375	0.425	0.010	Steel ZP	Steel
P0192.437-ZP-BS	0.4375	0.515	0.68	0.4375	0.406	0.503	0.010	Steel ZP	Steel
P0192.468-ZP-BS	0.4687	0.512	0.71	0.4687	0.437	0.504	0.010	Steel ZP	Steel
P0192.156-A2-BS	0.1562	0.157	0.21	0.1562	0.130	0.150	0.010	A2 s/s	Steel
P0192.187-A2-BS	0.1875	0.216	0.28	0.1875	0.160	0.209	0.010	A2 s/s	Steel
P0192.218-A2-BS	0.2187	0.220	0.28	0.2187	0.190	0.208	0.010	A2 s/s	Steel
P0192.250-A2-BS	0.2500	0.256	0.34	0.2500	0.220	0.248	0.010	A2 s/s	Steel
P0192.281-A2-BS	0.2812	0.295	0.40	0.2812	0.250	0.287	0.010	A2 s/s	Steel
P0192.312-A2-BS	0.3125	0.334	0.46	0.3125	0.281	0.327	0.010	A2 s/s	Steel
P0192.343-A2-BS	0.3437	0.394	0.53	0.3437	0.312	0.385	0.010	A2 s/s	Steel
P0192.375-A2-BS	0.3750	0.433	0.60	0.3750	0.343	0.425	0.010	A2 s/s	Steel
P0192.406-A2-BS	0.4062	0.437	0.59	0.4062	0.375	0.425	0.010	A2 s/s	Steel
P0192.437-A2-BS	0.4375	0.515	0.68	0.4375	0.406	0.503	0.010	A2 s/s	Steel
P0192.468-A2-BS	0.4687	0.512	0.71	0.4687	0.437	0.504	0.010	A2 s/s	Steel
P0192.156-A2-A2	0.1562	0.157	0.21	0.1562	0.130	0.150	0.010	A2 s/s	A2 s/s
P0192.187-A2-A2	0.1875	0.216	0.28	0.1875	0.160	0.209	0.010	A2 s/s	A2 s/s
P0192.218-A2-A2	0.2187	0.220	0.28	0.2187	0.190	0.208	0.010	A2 s/s	A2 s/s
P0192.250-A2-A2	0.2500	0.256	0.34	0.2500	0.220	0.248	0.010	A2 s/s	A2 s/s
P0192.281-A2-A2	0.2812	0.295	0.40	0.2812	0.250	0.287	0.010	A2 s/s	A2 s/s
P0192.312-A2-A2	0.3125	0.334	0.46	0.3125	0.281	0.327	0.010	A2 s/s	A2 s/s



Blanking Plugs

Expansion Sealing Plugs - Inch

Inch - standard



BLANKING PLUGS

Order No.	d ₁	l ₁	l ₂	d ₂ +0.004 -0.000	d ₃ max.	l ₃ min.	x +0.0 -0.010	Body	Ball
P0192.343-A2-A2	0.3437	0.394	0.53	0.3437	0.312	0.385	0.010	A2 s/s	A2 s/s
P0192.375-A2-A2	0.3750	0.433	0.60	0.3750	0.343	0.425	0.010	A2 s/s	A2 s/s
P0192.406-A2-A2	0.4062	0.437	0.59	0.4062	0.375	0.425	0.010	A2 s/s	A2 s/s
P0192.437-A2-A2	0.4375	0.515	0.68	0.4375	0.406	0.503	0.010	A2 s/s	A2 s/s
P0192.468-A2-A2	0.4687	0.512	0.71	0.4687	0.437	0.504	0.010	A2 s/s	A2 s/s
P0192.156-A4-A4	0.1562	0.157	0.21	0.1562	0.130	0.150	0.010	A4 s/s	A4 s/s
P0192.187-A4-A4	0.1875	0.216	0.28	0.1875	0.160	0.209	0.010	A4 s/s	A4 s/s
P0192.218-A4-A4	0.2187	0.220	0.28	0.2187	0.190	0.208	0.010	A4 s/s	A4 s/s
P0192.250-A4-A4	0.2500	0.256	0.34	0.2500	0.220	0.248	0.010	A4 s/s	A4 s/s
P0192.281-A4-A4	0.2812	0.295	0.40	0.2812	0.250	0.287	0.010	A4 s/s	A4 s/s
P0192.312-A4-A4	0.3125	0.334	0.46	0.3125	0.281	0.327	0.010	A4 s/s	A4 s/s
P0192.343-A4-A4	0.3437	0.394	0.53	0.3437	0.312	0.385	0.010	A4 s/s	A4 s/s
P0192.406-A4-A4	0.4062	0.437	0.59	0.4062	0.375	0.425	0.010	A4 s/s	A4 s/s
P0192.437-A4-A4	0.4375	0.515	0.68	0.4375	0.406	0.503	0.010	A4 s/s	A4 s/s
P0192.468-A4-A4	0.4687	0.512	0.71	0.4687	0.437	0.504	0.010	A4 s/s	A4 s/s
P0192.156-AL-A2	0.1562	0.157	0.21	0.1562	0.130	0.150	0.010	Aluminium	A2 s/s
P0192.187-AL-A2	0.1875	0.216	0.28	0.1875	0.160	0.209	0.010	Aluminium	A2 s/s
P0192.218-AL-A2	0.2187	0.220	0.28	0.2187	0.190	0.208	0.010	Aluminium	A2 s/s
P0192.250-AL-A2	0.2500	0.256	0.34	0.2500	0.220	0.248	0.010	Aluminium	A2 s/s
P0192.281-AL-A2	0.2812	0.295	0.40	0.2812	0.250	0.287	0.010	Aluminium	A2 s/s
P0192.312-AL-A2	0.3125	0.334	0.46	0.3125	0.281	0.327	0.010	Aluminium	A2 s/s
P0192.343-AL-A2	0.3437	0.394	0.53	0.3437	0.312	0.385	0.010	Aluminium	A2 s/s
P0192.375-AL-A2	0.3750	0.433	0.60	0.3750	0.343	0.425	0.010	Aluminium	A2 s/s
P0192.406-AL-A2	0.4062	0.437	0.59	0.4062	0.375	0.425	0.010	Aluminium	A2 s/s
P0192.437-AL-A2	0.4375	0.515	0.68	0.4375	0.406	0.503	0.010	Aluminium	A2 s/s
P0192.468-AL-A2	0.4687	0.512	0.71	0.4687	0.437	0.504	0.010	Aluminium	A2 s/s