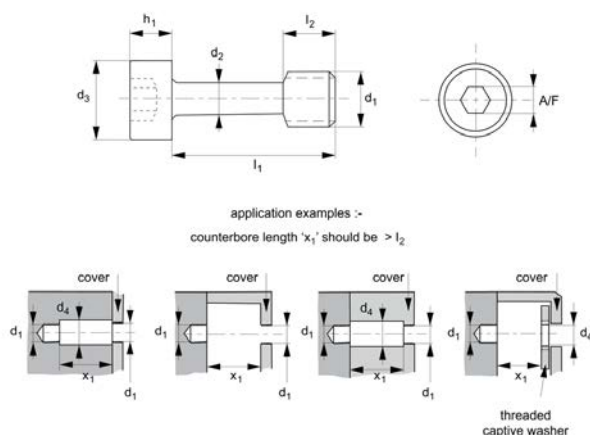




Captive Screws - Cap Head

hex drive - titanium

Captive Screws



P0154.Ti

CAPTIVE SCREWS

Material

Titanium grade 2 (tensile strength 345 N/mm²), or grade 5 (tensile strength 900 N/mm²).

Also available on request in steel (anodised, black oxide or zinc plated) stainless steel (AISI 316, 1.440 or AISI 303, 1.4305), brass, aluminium etc.

Technical Notes

Used to comply with the Machinery Direc-

tive 2006/42/EC. Generally to ISO 4762. Often used with our captive washer (P0168) or retaining flanges (P0169.A2 - for sheet metal applications). The use of our captive washer should be considered when fitted in panels with unthreaded holes. T5 also available on request. Replace -T2 with -T5 at the end of part number.

Tips

For TX drive style, see P0156.

Important Notes

Please note that these screws have a reduced diameter shank and should not be tightened to the recommended torque for an equivalent machine screw of size d₁.

Order No.	d ₁	l ₁ ±0.25	d ₂ ±0.12	l ₂ ±0.25	d ₃ max.	d ₄ min.	h ₁ max.	A/F	Material
P0154.025-005-T2	M 2.5	5	1.8	3.0	4.5	2.8	2.5	2	Grade 2
P0154.025-008-T2	M 2.5	8	1.8	3.0	4.5	2.8	2.5	2	Grade 2
P0154.025-010-T2	M 2.5	10	1.8	3.0	4.5	2.8	2.5	2	Grade 2
P0154.025-012-T2	M 2.5	12	1.8	3.0	4.5	2.8	2.5	2	Grade 2
P0154.030-008-T2	M 3	8	2.0	4.5	5.5	3.5	3.0	2.5	Grade 2
P0154.030-010-T2	M 3	10	2.0	4.5	5.5	3.5	3.0	2.5	Grade 2
P0154.030-012-T2	M 3	12	2.0	4.5	5.5	3.5	3.0	2.5	Grade 2
P0154.030-016-T2	M 3	16	2.0	4.5	5.5	3.5	3.0	2.5	Grade 2
P0154.030-020-T2	M 3	20	2.0	4.5	5.5	3.5	3.0	2.5	Grade 2
P0154.030-025-T2	M 3	25	2.0	4.5	5.5	3.5	3.0	2.5	Grade 2
P0154.030-030-T2	M 3	30	2.0	4.5	5.5	3.5	3.0	2.5	Grade 2
P0154.040-010-T2	M 4	10	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-012-T2	M 4	12	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-016-T2	M 4	16	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-020-T2	M 4	20	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-025-T2	M 4	25	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-030-T2	M 4	30	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-035-T2	M 4	35	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-040-T2	M 4	40	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.040-050-T2	M 4	50	2.8	6.0	7.0	4.5	4.0	3	Grade 2
P0154.050-012-T2	M 5	12	3.7	7.5	8.5	5.5	5.0	4	Grade 2
P0154.050-016-T2	M 5	16	3.7	7.5	8.5	5.5	5.0	4	Grade 2
P0154.050-020-T2	M 5	20	3.7	7.5	8.5	5.5	5.0	4	Grade 2
P0154.050-025-T2	M 5	25	3.7	7.5	8.5	5.5	5.0	4	Grade 2
P0154.050-030-T2	M 5	30	3.7	7.5	8.5	5.5	5.0	4	Grade 2
P0154.050-035-T2	M 5	35	3.7	7.5	8.5	5.5	5.0	4	Grade 2



Order No.	d ₁	l ₁ ±0.25	d ₂ ±0.12	l ₂ ±0.25	d ₃ max.	d ₄ min.	h ₁ max.	A/F	Material
P0154.050-040-T2	M 5	40	3.7	7.5	8.5	5.5	5.0	4	Grade 2
P0154.050-050-T2	M 5	50	3.7	7.5	8.5	5.5	5.0	4	Grade 2
P0154.060-012-T2	M 6	12	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-016-T2	M 6	16	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-020-T2	M 6	20	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-025-T2	M 6	25	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-030-T2	M 6	30	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-035-T2	M 6	35	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-040-T2	M 6	40	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-050-T2	M 6	50	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-060-T2	M 6	60	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.060-080-T2	M 6	80	4.2	7.5	10.0	6.5	6.0	5	Grade 2
P0154.080-016-T2	M 8	16	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-020-T2	M 8	20	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-025-T2	M 8	25	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-030-T2	M 8	30	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-035-T2	M 8	35	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-040-T2	M 8	40	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-045-T2	M 8	45	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-050-T2	M 8	50	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-060-T2	M 8	60	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.080-080-T2	M 8	80	6.0	10.0	13.0	8.5	8.0	6	Grade 2
P0154.100-020-T2	M10	20	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-025-T2	M10	25	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-030-T2	M10	30	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-035-T2	M10	35	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-040-T2	M10	40	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-045-T2	M10	45	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-050-T2	M10	50	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-060-T2	M10	60	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.100-080-T2	M10	80	7.5	12.5	16.0	10.6	10.0	8	Grade 2
P0154.120-025-T2	M12	25	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.120-030-T2	M12	30	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.120-035-T2	M12	35	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.120-040-T2	M12	40	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.120-045-T2	M12	45	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.120-050-T2	M12	50	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.120-060-T2	M12	60	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.120-080-T2	M12	80	8.0	15.0	18.0	13.2	12.0	10	Grade 2
P0154.160-030-T2	M16	30	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.160-035-T2	M16	35	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.160-040-T2	M16	40	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.160-045-T2	M16	45	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.160-050-T2	M16	50	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.160-060-T2	M16	60	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.160-080-T2	M16	80	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.160-100-T2	M16	100	12.0	20.0	24.0	17.5	16.0	14	Grade 2
P0154.200-040-T2	M20	40	16.0	25.0	30.0	22.0	20.0	19	Grade 2
P0154.200-060-T2	M20	60	16.0	25.0	30.0	22.0	20.0	19	Grade 2
P0154.200-080-T2	M20	80	16.0	25.0	30.0	22.0	20.0	19	Grade 2
P0154.200-100-T2	M20	100	16.0	25.0	30.0	22.0	20.0	19	Grade 2
P0154.200-120-T2	M20	120	16.0	25.0	30.0	22.0	20.0	19	Grade 2
P0154.025-005-T5	M 2.5	5	1.8	3.0	4.5	2.8	2.5	2	Grade 5
P0154.025-008-T5	M 2.5	8	1.8	3.0	4.5	2.8	2.5	2	Grade 5
P0154.025-010-T5	M 2.5	10	1.8	3.0	4.5	2.8	2.5	2	Grade 5
P0154.025-012-T5	M 2.5	12	1.8	3.0	4.5	2.8	2.5	2	Grade 5
P0154.030-008-T5	M 3	8	2.0	4.5	5.5	3.5	3.0	3	Grade 5
P0154.030-010-T5	M 3	10	2.0	4.5	5.5	3.5	3.0	3	Grade 5
P0154.030-012-T5	M 3	12	2.0	4.5	5.5	3.5	3.0	3	Grade 5
P0154.030-016-T5	M 3	16	2.0	4.5	5.5	3.5	3.0	3	Grade 5
P0154.030-020-T5	M 3	20	2.0	4.5	5.5	3.5	3.0	3	Grade 5
P0154.030-025-T5	M 3	25	2.0	4.5	5.5	3.5	3.0	3	Grade 5
P0154.030-030-T5	M 3	30	2.0	4.5	5.5	3.5	3.0	3	Grade 5
P0154.040-010-T5	M 4	10	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.040-012-T5	M 4	12	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.040-016-T5	M 4	16	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.040-020-T5	M 4	20	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.040-025-T5	M 4	25	2.8	6.0	7.0	4.5	4.0	3	Grade 5



Captive Screws - Cap Head

hex drive - titanium



Order No.	d ₁	l ₁ ±0.25	d ₂ ±0.12	l ₂ ±0.25	d ₃ max.	d ₄ min.	h ₁ max.	A/F	Material
P0154.040-030-T5	M 4	30	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.040-035-T5	M 4	35	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.040-040-T5	M 4	40	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.040-050-T5	M 4	50	2.8	6.0	7.0	4.5	4.0	3	Grade 5
P0154.050-012-T5	M 5	12	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.050-016-T5	M 5	16	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.050-020-T5	M 5	20	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.050-025-T5	M 5	25	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.050-030-T5	M 5	30	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.050-035-T5	M 5	35	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.050-040-T5	M 5	40	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.050-050-T5	M 5	50	3.7	7.5	8.5	5.5	5.0	4	Grade 5
P0154.060-012-T5	M 6	12	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-016-T5	M 6	16	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-020-T5	M 6	20	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-025-T5	M 6	25	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-030-T5	M 6	30	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-035-T5	M 6	35	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-040-T5	M 6	40	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-050-T5	M 6	50	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-060-T5	M 6	60	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.060-080-T5	M 6	80	4.2	7.5	10.0	6.5	6.0	5	Grade 5
P0154.080-016-T5	M 8	16	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-020-T5	M 8	20	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-025-T5	M 8	25	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-030-T5	M 8	30	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-035-T5	M 8	35	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-040-T5	M 8	40	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-045-T5	M 8	45	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-050-T5	M 8	50	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-060-T5	M 8	60	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.080-080-T5	M 8	80	6.0	10.0	13.0	8.5	8.0	6	Grade 5
P0154.100-020-T5	M10	20	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-025-T5	M10	25	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-030-T5	M10	30	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-035-T5	M10	35	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-040-T5	M10	40	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-045-T5	M10	45	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-050-T5	M10	50	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-060-T5	M10	60	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.100-080-T5	M10	80	7.5	12.5	16.0	10.6	10.0	8	Grade 5
P0154.120-025-T5	M12	25	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.120-030-T5	M12	30	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.120-035-T5	M12	35	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.120-040-T5	M12	40	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.120-045-T5	M12	45	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.120-050-T5	M12	50	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.120-060-T5	M12	60	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.120-080-T5	M12	80	8.0	15.0	18.0	13.2	12.0	10	Grade 5
P0154.160-030-T5	M16	30	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.160-035-T5	M16	35	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.160-040-T5	M16	40	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.160-045-T5	M16	45	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.160-050-T5	M16	50	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.160-060-T5	M16	60	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.160-080-T5	M16	80	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.160-100-T5	M16	100	12.0	20.0	24.0	17.5	16.0	14	Grade 5
P0154.200-040-T5	M20	40	16.0	25.0	30.0	22.0	20.0	19	Grade 5
P0154.200-060-T5	M20	60	16.0	25.0	30.0	22.0	20.0	19	Grade 5
P0154.200-080-T5	M20	80	16.0	25.0	30.0	22.0	20.0	19	Grade 5
P0154.200-100-T5	M20	100	16.0	25.0	30.0	22.0	20.0	19	Grade 5
P0154.200-120-T5	M20	120	16.0	25.0	30.0	22.0	20.0	19	Grade 5

CAPTIVE SCREWS