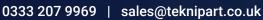






# PEEK & In-House Collection

0333 207 4498 | sales@automotioncomponents.co.uk













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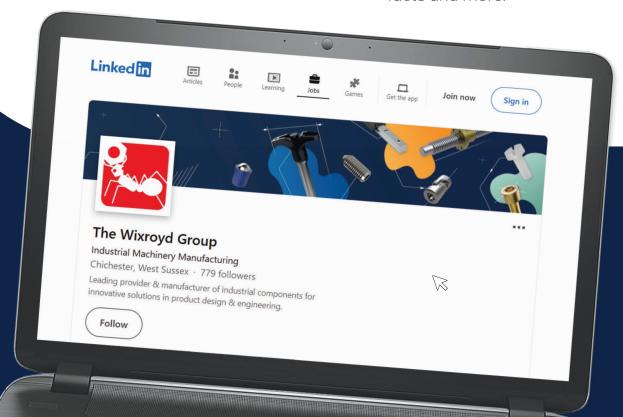
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- F
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You may have already noticed some changes to our **Wixroyd**, **Automotion Components** and **Teknipart** websites - that's because we have recently upgraded them to **optimise your online experience** with us.

You can find us at the usual places below:

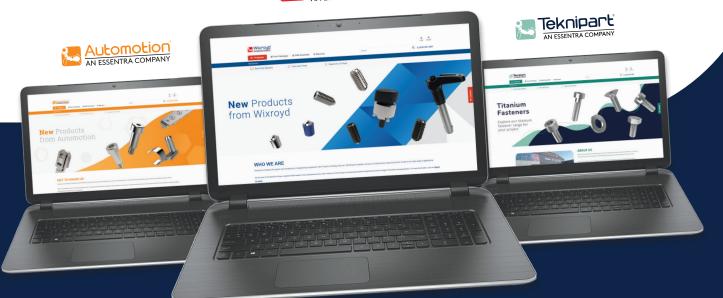
- Large range of products
- Free CAD downloads
- Great stock availability
- Detailed product datasheets
- **Easily accessible live chat**

### wixroyd.com

automotioncomponents.co.uk

teknipart.co.uk





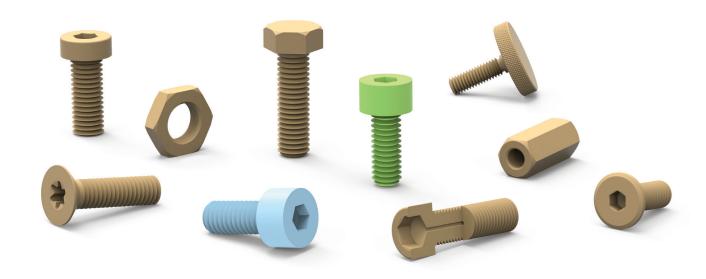
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### An introduction to

### PEEK (Polyether ether ketone)



#### What is PEEK?

PEEK (Polyether Ether Ketone) fasteners are lightweight, high-strength alternatives to metal fasteners, offering exceptional chemical resistance, thermal stability, and mechanical properties. PEEK fasteners are ideal for applications requiring high purity, low outgassing, and resistance to harsh environments. We stock a wide range of PEEK fasteners, including cap head screws, spacers, set screws, ultra-low head cap screws, and countersunk screws. Known for their high strength, corrosion

resistance, and lightweight properties, these fasteners are ideal for demanding industries such as aerospace, automotive, food processing electronics, and medical. PEEK fasteners withstand extreme temperatures, aggressive chemicals, and high- stress environments, making them a superior alternative to traditional metal fasteners in specialised applications.

### All products are available in:



Natural Beige



- X-ray opaque
- Metal detectable



#### Green

Biocompatible

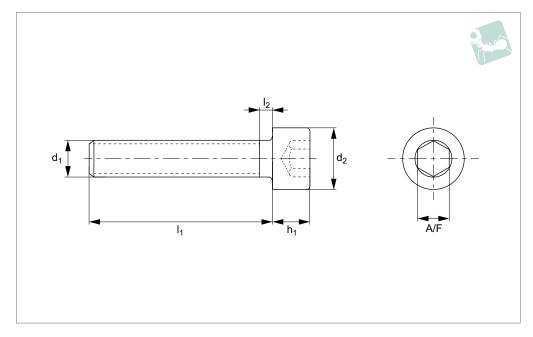
## **Cap Head Hexagon Socket**Natural PEEK







### N0500.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

### **Technical Notes**

PEEK is used in the aerospace and petrochemical industries.

For medical industry applications, we can offer these products in a variant of PEEK

which is refined for biocompatibility.

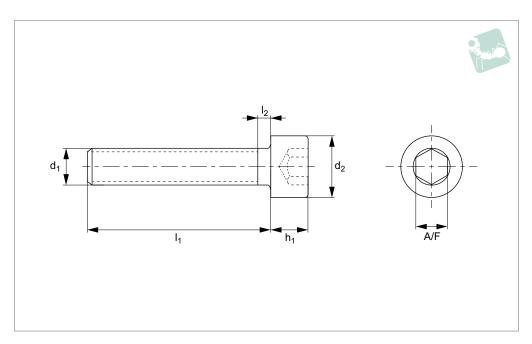
For industries with a hygienic requirement, these products can be manufactured with an X-Ray opaque or metal detectable filler, as well as a blue colour for optical detection.

Order No.	$d_1$	<sub>1</sub> +/- 0.2	l <sub>2</sub> max.	$d_2$	$h_1$	A/F
N0500.030-008-NP	М 3	8	1.0	5.5	3	2.5
N0500.030-010-NP	M 3	10	1.0	5.5	3	2.5
N0500.030-012-NP	M 3	12	1.0	5.5	3	2.5
N0500.030-015-NP	M 3	15	1.0	5.5	3	2.5
N0500.030-020-NP	М 3	20	1.0	5.5	3	2.5
N0500.030-025-NP	М 3	25	1.0	5.5	3	2.5
N0500.040-008-NP	M 4	8	1.4	7.0	4	3.0
N0500.040-010-NP	M 4	10	1.4	7.0	4	3.0
N0500.040-012-NP	M 4	12	1.4	7.0	4	3.0
N0500.040-015-NP	M 4	15	1.4	7.0	4	3.0
N0500.040-020-NP	M 4	20	1.4	7.0	4	3.0
N0500.040-025-NP	M 4	25	1.4	7.0	4	3.0
N0500.050-008-NP	M 5	8	1.6	8.5	5	4.0
N0500.050-010-NP	M 5	10	1.6	8.5	5	4.0
N0500.050-012-NP	M 5	12	1.6	8.5	5	4.0
N0500.050-015-NP	M 5	15	1.6	8.5	5	4.0
N0500.050-020-NP	M 5	20	1.6	8.5	5	4.0
N0500.050-025-NP	M 5	25	1.6	8.5	5	4.0
N0500.050-030-NP	M 5	30	1.6	8.5	5	4.0
N0500.060-010-NP	M 6	10	2.0	10.0	6	5.0
N0500.060-012-NP	M 6	12	2.0	10.0	6	5.0
N0500.060-015-NP	M 6	15	2.0	10.0	6	5.0
N0500.060-020-NP	M 6	20	2.0	10.0	6	5.0
N0500.060-025-NP	M 6	25	2.0	10.0	6	5.0
N0500.060-030-NP	M 6	30	2.0	10.0	6	5.0
N0500.080-020-NP	M 8	20	2.5	13.0	8	6.0
N0500.080-025-NP	M 8	25	2.5	13.0	8	6.0
N0500.080-030-NP	M 8	30	2.5	13.0	8	6.0
N0500.080-035-NP	M 8	35	2.5	13.0	8	6.0



## Cap Head Hexagon Socket Medical







N0500.MP

#### Material

Polyether ether ketone (PEEK). Green.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

#### **Technical Notes**

Manufactured for medical industry applications, these products are in a variant of PEEK which is refined for biocompatibilty.

For industries with a hygienic requirement, these products are available with an X-Ray opaque or metal detectable filler, blue in colour, for optical detection.

Natural PEEK is used in the aerospace and chemical industries.

Order No.	$d_1$	l <sub>1</sub>	$l_2$	$d_2$	$h_1$	A/F
		+/- 0.2	max.			
N0500.030-008-MP	М 3	8	1.0	5.5	3	2.5
N0500.030-010-MP	M 3	10	1.0	5.5	3	2.5
N0500.030-012-MP	M 3	12	1.0	5.5	3	2.5
N0500.030-015-MP	M 3	15	1.0	5.5	3	2.5
N0500.030-020-MP	М 3	20	1.0	5.5	3	2.5
N0500.030-025-MP	М 3	25	1.0	5.5	3	2.5
N0500.040-008-MP	M 4	8	1.4	7.0	4	3.0
N0500.040-010-MP	M 4	10	1.4	7.0	4	3.0
N0500.040-012-MP	M 4	12	1.4	7.0	4	3.0
N0500.040-015-MP	M 4	15	1.4	7.0	4	3.0
N0500.040-020-MP	M 4	20	1.4	7.0	4	3.0
N0500.040-025-MP	M 4	25	1.4	7.0	4	3.0
N0500.050-008-MP	M 5	8	1.6	8.5	5	4.0
N0500.050-010-MP	M 5	10	1.6	8.5	5	4.0
N0500.050-012-MP	M 5	12	1.6	8.5	5	4.0
N0500.050-015-MP	M 5	15	1.6	8.5	5	4.0
N0500.050-020-MP	M 5	20	1.6	8.5	5	4.0
N0500.050-025-MP	M 5	25	1.6	8.5	5	4.0
N0500.050-030-MP	M 5	30	1.6	8.5	5	4.0
N0500.060-010-MP	M 6	10	2.0	10.0	6	5.0
N0500.060-012-MP	M 6	12	2.0	10.0	6	5.0
N0500.060-015-MP	M 6	15	2.0	10.0	6	5.0
N0500.060-020-MP	M 6	20	2.0	10.0	6	5.0
N0500.060-025-MP	M 6	25	2.0	10.0	6	5.0
N0500.060-030-MP	M 6	30	2.0	10.0	6	5.0
N0500.080-020-MP	M 8	20	2.5	13.0	8	6.0
N0500.080-025-MP	M 8	25	2.5	13.0	8	6.0
N0500.080-030-MP	M 8	30	2.5	13.0	8	6.0
N0500.080-035-MP	M 8	35	2.5	13.0	8	6.0



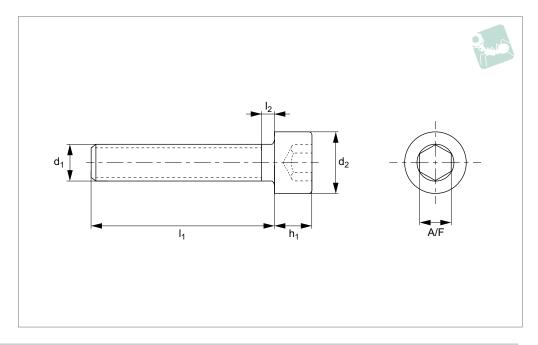
# Cap Head Hexagon Socket Hygienic







### N0500.HP



#### Material

Polyether ether ketone (PEEK). Blue.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

#### **Technical Notes**

Manufactured for industries with a hygienic requirement, these products are made with an X-Ray opaque or metal detectable filler, in blue, for optical detection.

For medical industry applications, we can offer these products in a variant of PEEK which is refined for biocompatibilty.

Natural PEEK is used in the aerospace and chemical industries.

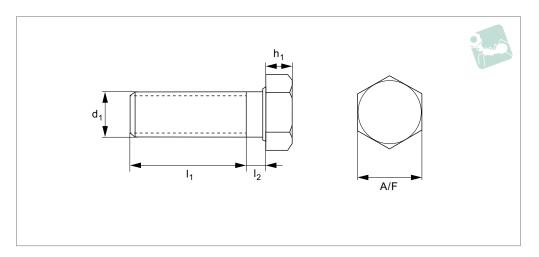
Order No.	$d_1$	<sub>1</sub> +/-0.2	l <sub>2</sub> max.	$d_2$	$h_1$	A/F
N0500.030-008-HP	М 3	8	1.0	5.5	3	2.5
N0500.030-010-HP	М 3	10	1.0	5.5	3	2.5
N0500.030-012-HP	М 3	12	1.0	5.5	3	2.5
N0500.030-015-HP	M 3	15	1.0	5.5	3	2.5
N0500.030-020-HP	М 3	20	1.0	5.5	3	2.5
N0500.030-025-HP	M 3	25	1.0	5.5	3	2.5
N0500.040-008-HP	M 4	8	1.4	7.0	4	3.0
N0500.040-010-HP	M 4	10	1.4	7.0	4	3.0
N0500.040-012-HP	M 4	12	1.4	7.0	4	3.0
N0500.040-015-HP	M 4	15	1.4	7.0	4	3.0
N0500.040-020-HP	M 4	20	1.4	7.0	4	3.0
N0500.040-025-HP	M 4	25	1.4	7.0	4	3.0
N0500.050-008-HP	M 5	8	1.6	8.5	5	4.0
N0500.050-010-HP	M 5	10	1.6	8.5	5	4.0
N0500.050-012-HP	M 5	12	1.6	8.5	5	4.0
N0500.050-015-HP	M 5	15	1.6	8.5	5	4.0
N0500.050-020-HP	M 5	20	1.6	8.5	5	4.0
N0500.050-025-HP	M 5	25	1.6	8.5	5	4.0
N0500.050-030-HP	M 5	30	1.6	8.5	5	4.0
N0500.060-010-HP	M 6	10	2.0	10.0	6	5.0
N0500.060-012-HP	M 6	12	2.0	10.0	6	5.0
N0500.060-015-HP	M 6	15	2.0	10.0	6	5.0
N0500.060-020-HP	M 6	20	2.0	10.0	6	5.0
N0500.060-025-HP	M 6	25	2.0	10.0	6	5.5
N0500.060-030-HP	M 6	30	2.0	10.0	6	5.5
N0500.080-020-HP	M 8	20	2.5	13.0	8	6.0
N0500.080-025-HP	M 8	25	2.5	13.0	8	6.0
N0500.080-030-HP	M 8	30	2.5	13.0	8	6.0
N0500.080-035-HP	M 8	35	2.5	13.0	8	6.0





# Hexagonal Head Set Screws Natural PEEK







N0501.NP

#### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has

excellent chemical resistance and performs well at temperatures up to 260°C. Tensile strength ~116N/mm².

### Technical Notes

Generally to DIN 931.

Order No.	d <sub>1</sub>	I <sub>1</sub>	h <sub>1</sub>	I <sub>2</sub>	A/F
	1	+/-0.2	1	max.	
N0501.040-008-NP	M 4	8	2.8	1.4	7
N0501.040-010-NP	M 4	10	2.8	1.4	7
N0501.040-012-NP	M 4	12	2.8	1.4	7
N0501.040-015-NP	M 4	15	2.8	1.4	7
N0501.040-020-NP	M 4	20	2.8	1.4	7
N0501.040-025-NP	M 4	25	2.8	1.4	7
N0501.050-010-NP	M 5	10	3.5	1.6	8
N0501.050-012-NP	M 5	12	3.5	1.6	8
N0501.050-015-NP	M 5	15	3.5	1.6	8
N0501.050-020-NP	M 5	20	3.5	1.6	8
N0501.050-025-NP	M 5	25	3.5	1.6	8
N0501.050-030-NP	M 5	30	3.5	1.6	8
N0501.060-010-NP	M 6	10	4.0	2.0	10
N0501.060-012-NP	M 6	12	4.0	2.0	10
N0501.060-015-NP	M 6	15	4.0	2.0	10
N0501.060-020-NP	M 6	20	4.0	2.0	10
N0501.060-025-NP	M 6	25	4.0	2.0	10
N0501.060-030-NP	M 6	30	4.0	2.0	10
N0501.060-035-NP	M 6	35	4.0	2.0	10
N0501.060-040-NP	M 6	40	4.0	2.0	10
N0501.060-045-NP	M 6	45	4.0	2.0	10
N0501.060-050-NP	M 6	50	4.0	2.0	10
N0501.080-010-NP	M 8	10	5.5	2.5	13
N0501.080-015-NP	M 8	15	5.5	2.5	13
N0501.080-020-NP	M 8	20	5.5	2.5	13
N0501.080-025-NP	M 8	25	5.5	2.5	13
N0501.080-030-NP	M 8	30	5.5	2.5	13
N0501.080-035-NP	M 8	35	5.5	2.5	13
N0501.080-040-NP	M 8	40	5.5	2.5	13
N0501.080-045-NP	M 8	45	5.5	2.5	13
N0501.080-050-NP	M 8	50	5.5	2.5	13
N0501.100-015-NP	M 10	15	7.0	3.0	17
N0501.100-020-NP	M 10	20	7.0	3.0	17
N0501.100-025-NP	M 10	25	7.0	3.0	17
N0501.100-030-NP	M 10	30	7.0	3.0	17
N0501.100-035-NP	M 10	35	7.0	3.0	17
N0501.100-040-NP	M 10	40	7.0	3.0	17
N0501.100-045-NP	M 10	45	7.0	3.0	17
N0501.100-050-NP	M 10	50	7.0	3.0	17



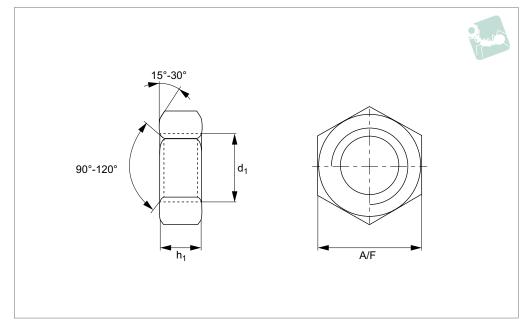
## **Hexagon Nuts**Natural PEEK



EEK FASTENE



N0502.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good

durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C. Tensile strength ~116N/mm².

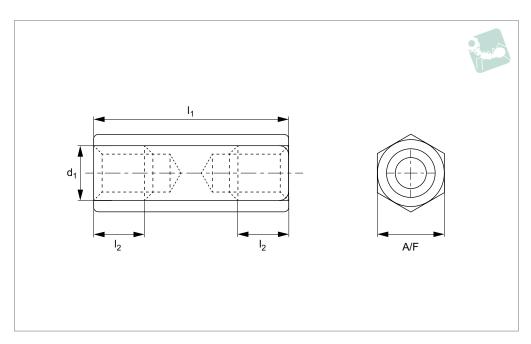
### **Technical Notes**Generally to DIN 934.

Order No.	$d_1$	$h_1$	A/F
N0502.030-NP	M 3	2.4	5.5
N0502.040-NP	M 4	3.2	7.0
N0502.050-NP	M 5	4.0	8.0
N0502.060-NP	M 6	5.0	10.0
N0502.080-NP	M 8	6.5	13.0
N0502.100-NP	M 10	8.0	17.0



# Female-Female Hexagon Spacers Natural PEEK







N0503.NP

### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs

well at temperatures up to 260°C. Tensile strength ~116N/mm².

Order No.	$d_1$	l <sub>1</sub> +/-0.2	$I_2$	A/F
N0503.030-004-NP	М 3	4	2.0	6
N0503.030-005-NP	M 3	5	2.5	6
N0503.030-006-NP	M 3	6	3.0	6
N0503.030-008-NP	M 3	8	4.0	6
N0503.030-010-NP	M 3	10	5.0	6
N0503.030-012-NP	M 3	12	6.0	6
N0503.030-015-NP	M 3	15	7.5	6
N0503.030-018-NP	M 3	18	9.0	6
N0503.030-020-NP	М 3	20	10.0	6
N0503.030-025-NP	M 3	25	10.0	6
N0503.030-030-NP	M 3	30	10.0	6
N0503.040-005-NP	M 4	5	2.5	7
N0503.040-006-NP	M 4	6	3.0	7
N0503.040-008-NP	M 4	8	4.0	7
N0503.040-010-NP	M 4	10	5.0	7
N0503.040-012-NP	M 4	12	6.0	7
N0503.040-015-NP	M 4	15	7.5	7
N0503.040-018-NP	M 4	18	9.0	7
N0503.040-020-NP	M 4	20	10.0	7
N0503.040-025-NP	M 4	25	10.0	7
N0503.040-030-NP	M 4	30	10.0	7
N0503.040-035-NP	M 4	35	10.0	7
N0503.040-040-NP	M 4	40	10.0	7
N0503.050-006-NP	M 5	6	3.0	8
N0503.050-008-NP	M 5	8	4.0	8
N0503.050-010-NP	M 5	10	5.0	8
N0503.050-012-NP	M 5	12	6.0	8
N0503.050-015-NP	M 5	15	7.5	8
N0503.050-018-NP	M 5	18	9.0	8
N0503.050-020-NP	M 5	20	10.0	8
N0503.050-025-NP	M 5	25	10.0	8
N0503.050-030-NP	M 5	30	10.0	8
N0503.050-035-NP	M 5	35	10.0	8
N0503.050-040-NP	M 5	40	10.0	8





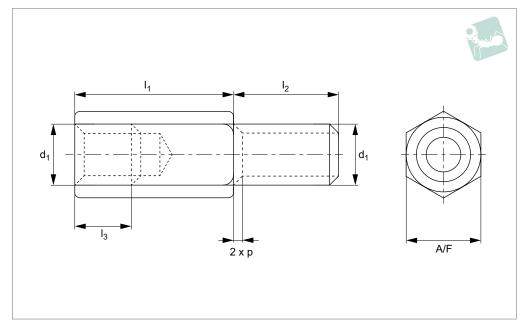
# Male-Female Hexagonal Spacers Natural PEEK







N0504.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good

durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C. Tensile strength ~116N/mm²

### **Technical Notes**

P = Thread Pitch. Thread sizes stated are standard coarse

Order No.	$d_1$	$I_1$	l <sub>2</sub>	l <sub>3</sub>	I <sub>4</sub>	A/F
					max.	
N0504.030-005-NP	M 3	5	6	2.5	1.0	5.5
N0504.030-008-NP	M 3	8	6	5.0	1.0	5.5
N0504.030-010-NP	M 3	10	6	5.0	1.0	5.5
N0504.030-012-NP	M 3	12	6	6.5	1.0	5.5
N0504.030-015-NP	М 3	15	6	7.5	1.0	5.5
N0504.030-018-NP	M 3	18	6	8.0	1.0	5.5
N0504.030-020-NP	M 3	20	6	7.0	1.0	5.5
N0504.030-025-NP	M 3	25	6	7.0	1.0	5.5
N0504.030-030-NP	M 3	30	6	7.0	1.0	5.5
N0504.040-005-NP	M 4	5	8	2.3	1.4	7.0
N0504.040-008-NP	M 4	8	8	4.5	1.4	7.0
N0504.040-010-NP	M 4	10	8	6.0	1.4	7.0
N0504.040-012-NP	M 4	12	8	8.0	1.4	7.0
N0504.040-015-NP	M 4	15	8	9.0	1.4	7.0
N0504.040-018-NP	M 4	18	8	9.0	1.4	7.0
N0504.040-020-NP	M 4	20	8	9.0	1.4	7.0
N0504.040-025-NP	M 4	25	8	9.0	1.4	7.0
N0504.040-030-NP	M 4	30	8	9.0	1.4	7.0
N0504.040-035-NP	M 4	35	8	9.0	1.4	7.0
N0504.050-008-NP	M 5	8	10	5.0	1.6	8.0
N0504.050-010-NP	M 5	10	10	5.5	1.6	8.0
N0504.050-012-NP	M 5	12	10	8.0	1.6	8.0
N0504.050-015-NP	M 5	15	10	9.0	1.6	8.0
N0504.050-018-NP	M 5	18	10	10.0	1.6	8.0
N0504.050-020-NP	M 5	20	10	11.0	1.6	8.0
N0504.050-025-NP	M 5	25	10	11.0	1.6	8.0
N0504.050-030-NP	M 5	30	10	11.0	1.6	8.0
N0504.050-035-NP	M 5	35	10	11.0	1.6	8.0
N0504.050-040-NP	M 5	40	10	11.0	1.6	8.0
N0504.060-010-NP	M 6	10	12	6.0	2.0	10.0
N0504.060-012-NP	M 6	12	12	6.0	2.0	10.0
N0504.060-015-NP	M 6	15	12	11.0	2.0	10.0
N0504.060-018-NP	M 6	18	12	12.0	2.0	10.0



# Male-Female Hexagonal Spacers Natural PEEK



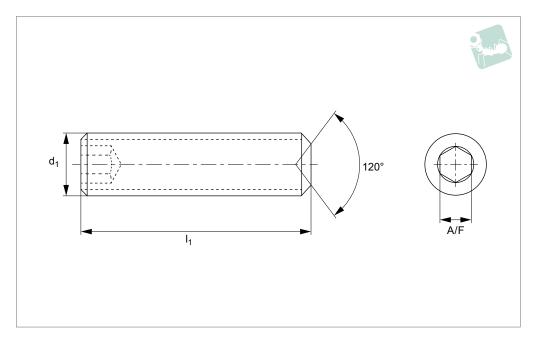
Order No.	$d_1$	$I_1$	$l_2$	I <sub>3</sub>	l <sub>4</sub> max.	A/F
N0504.060-020-NP	M 6	20	12	12.0	2.0	10.0
N0504.060-025-NP	M 6	25	12	12.0	2.0	10.0
N0504.060-030-NP	M 6	30	12	12.0	2.0	10.0
N0504.060-035-NP	M 6	35	12	12.0	2.0	10.0
N0504.060-040-NP	M 6	40	12	12.0	2.0	10.0











### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

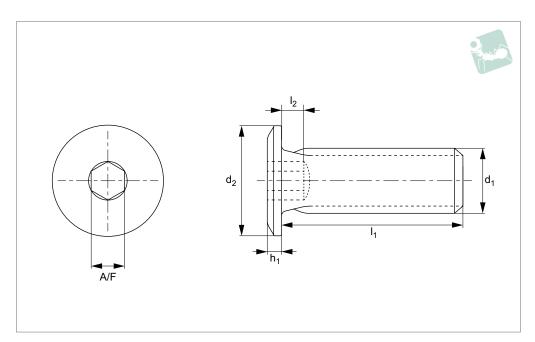
### **Technical Notes**Generally to DIN 916.

Order No.	$d_1$	I.	A/F
Order No.	$u_1$	+/-0.2	,,,,
N0507.030-004-NP	М 3	4	1.5
N0507.030-006-NP	M 3	6	1.5
N0507.030-008-NP	M 3	8	1.5
N0507.030-010-NP	M 3	10	1.5
N0507.030-012-NP	М 3	12	1.5
N0507.030-015-NP	M 3	15	1.5
N0507.040-006-NP	M 4	6	2.0
N0507.040-008-NP	M 4	8	2.0
N0507.040-010-NP	M 4	10	2.0
N0507.040-012-NP	M 4	12	2.0
N0507.040-015-NP	M 4	15	2.0
N0507.040-020-NP	M 4	20	2.0
N0507.050-006-NP	M 5	6	2.5
N0507.050-008-NP	M 5	8	2.5
N0507.050-010-NP	M 5	10	2.5
N0507.050-012-NP	M 5	12	2.5
N0507.050-015-NP	M 5	15	2.5
N0507.050-020-NP	M 5	20	2.5
N0507.060-006-NP	M 6	6	3.0
N0507.060-008-NP	M 6	8	3.0
N0507.060-010-NP	M 6	10	3.0
N0507.060-012-NP	M 6	12	3.0
N0507.060-015-NP	M 6	15	3.0
N0507.060-020-NP	M 6	20	3.0
N0507.060-025-NP	M 6	25	3.0
N0507.080-010-NP	M 8	10	4.0
N0507.080-012-NP	M 8	12	4.0
N0507.080-015-NP	M 8	15	4.0
N0507.080-020-NP	M 8	20	4.0
N0507.080-025-NP	M 8	25	4.0
N0507.080-030-NP	M 8	30	4.0



## Ultra Low Head Cap Screws Natural PEEK







N0508.NP

#### Material

Polyether Ether Ketone (PEEK) is a high performance engineering plastic, known for it's durability and chemical resistance. It has excellent dimensional stability and a maximum operating temperature of 260°C. Natural PEEK is used in this range which is light brown in colour.

#### **Technical Notes**

PEEK is used in the aerospace and petrochemical industries. For food and

pharmaceutical industries we can offer these products in a compound that is FDA compliant, as well as highly optically and metal detectable.

Order No.	d <sub>1</sub>	<sub>1</sub> +/-0.2	$d_2$	h <sub>1</sub>	l <sub>2</sub> max.	A/F
N0508.030-008-NP	М 3	8	6	0.8	1.0	1.5
N0508.030-010-NP	M 3	10	6	0.8	1.0	1.5
N0508.030-012-NP	M 3	12	6	0.8	1.0	1.5
N0508.030-015-NP	M 3	15	6	0.8	1.0	1.5
N0508.030-020-NP	M 3	20	6	0.8	1.0	1.5
N0508.030-025-NP	M 3	25	6	0.8	1.0	1.5
N0508.040-008-NP	M 4	8	8	0.9	1.4	2.0
N0508.040-010-NP	M 4	10	8	0.9	1.4	2.0
N0508.040-012-NP	M 4	12	8	0.9	1.4	2.0
N0508.040-015-NP	M 4	15	8	0.9	1.4	2.0
N0508.040-020-NP	M 4	20	8	0.9	1.4	2.0
N0508.040-025-NP	M 4	25	8	0.9	1.4	2.0
N0508.050-008-NP	M 5	8	9	1.0	1.6	2.5
N0508.050-012-NP	M 5	12	9	1.0	1.6	2.5
N0508.050-015-NP	M 5	15	9	1.0	1.6	2.5
N0508.050-020-NP	M 5	20	9	1.0	1.6	2.5
N0508.050-025-NP	M 5	25	9	1.0	1.6	2.5
N0508.050-030-NP	M 5	30	9	1.0	1.6	2.5
N0508.060-010-NP	M 6	10	10	1.2	2.0	3.0
N0508.060-012-NP	M 6	12	10	1.2	2.0	3.0
N0508.060-015-NP	M 6	15	10	1.2	2.0	3.0
N0508.060-020-NP	M 6	20	10	1.2	2.0	3.0
N0508.060-025-NP	M 6	25	10	1.2	2.0	3.0
N0508.060-030-NP	M 6	30	10	1.2	2.0	3.0





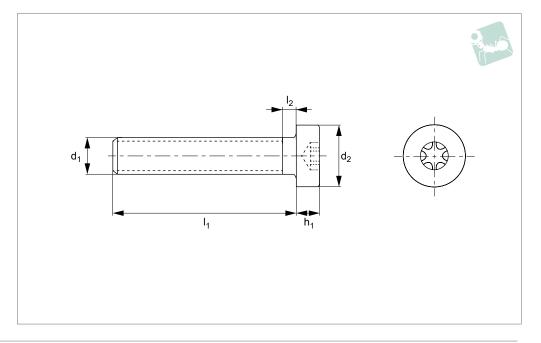
# **Torx Low Cap Head Screws**Natural PEEK







N0509.NP



### Material

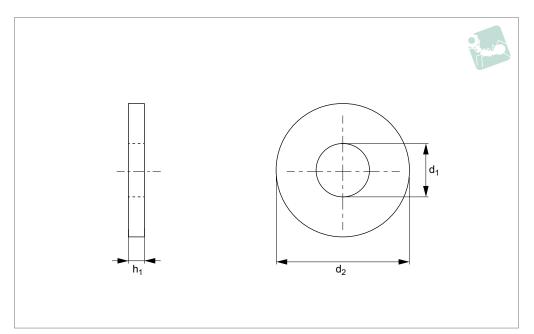
Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

Order No.	$d_1$	l <sub>1</sub> +/-0.2	$d_2$	$h_1$	l <sub>2</sub> max.	TX size
N0509.030-006-NP	М 3	6	5.5	2.40	1.0	TX-10
N0509.030-008-NP	M 3	8	5.5	2.40	1.0	TX-10
N0509.030-010-NP	M 3	10	5.5	2.40	1.0	TX-10
N0509.030-012-NP	M 3	12	5.5	2.40	1.0	TX-10
N0509.030-016-NP	M 3	16	5.5	2.40	1.0	TX-10
N0509.030-020-NP	M 3	20	5.5	2.40	1.0	TX-10
N0509.040-006-NP	M 4	6	7.0	3.10	1.4	TX-20
N0509.040-008-NP	M 4	8	7.0	3.10	1.4	TX-20
N0509.040-010-NP	M 4	10	7.0	3.10	1.4	TX-20
N0509.040-012-NP	M 4	12	7.0	3.10	1.4	TX-20
N0509.040-016-NP	M 4	16	7.0	3.10	1.4	TX-20
N0509.040-020-NP	M 4	20	7.0	3.10	1.4	TX-20
N0509.040-025-NP	M 4	25	7.0	3.10	1.4	TX-20
N0509.050-008-NP	M 5	8	8.5	3.65	1.6	TX-25
N0509.050-010-NP	M 5	10	8.5	3.65	1.6	TX-25
N0509.050-012-NP	M 5	12	8.5	3.65	1.6	TX-25
N0509.050-016-NP	M 5	16	8.5	3.65	1.6	TX-25
N0509.050-020-NP	M 5	20	8.5	3.65	1.6	TX-25
N0509.050-025-NP	M 5	25	8.5	3.65	1.6	TX-25
N0509.050-030-NP	M 5	30	8.5	3.65	1.6	TX-25
N0509.060-010-NP	M 6	10	10.0	4.40	2.0	TX-30
N0509.060-012-NP	M 6	12	10.0	4.40	2.0	TX-30
N0509.060-016-NP	M 6	16	10.0	4.40	2.0	TX-30
N0509.060-020-NP	M 6	20	10.0	4.40	2.0	TX-30
N0509.060-025-NP	M 6	25	10.0	4.40	2.0	TX-30
N0509.060-030-NP	M 6	30	10.0	4.40	2.0	TX-30
N0509.060-040-NP	M 6	40	10.0	4.40	2.0	TX-30







N0510.NP

### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

### **Technical Notes**Generally to DIN 125.

Order No.	For thread	$h_1$	$d_1$	$d_2$
N0510.030-NP	М 3	0.5	3.2	7.0
N0510.040-NP	M 4	0.8	4.3	9.0
N0510.050-NP	M 5	1.0	5.3	10.0
N0510.060-NP	M 6	1.6	6.4	12.5
N0510.080-NP	M 8	1.6	8.4	17.0
N0510.100-NP	M 10	2.0	10.5	21.0





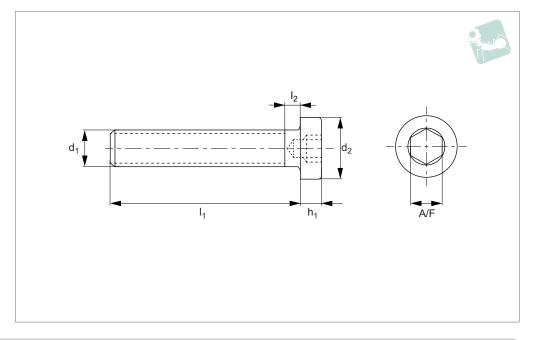
# **Low Cap Head Hex Socket Screws**Natural PEEK







### N0511.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

Order No.	$d_1$	l <sub>1</sub> +/-0.2	$d_2$	$h_1$	l <sub>2</sub> max.	A/F
N0511.030-006-NP	M 3	6	5.5	2.40	1.0	2.0
N0511.030-008-NP	M 3	8	5.5	2.40	1.0	2.0
N0511.030-010-NP	M 3	10	5.5	2.40	1.0	2.0
N0511.030-012-NP	M 3	12	5.5	2.40	1.0	2.0
N0511.030-016-NP	M 3	16	5.5	2.40	1.0	2.0
N0511.030-020-NP	M 3	20	5.5	2.40	1.0	2.0
N0511.040-006-NP	M 4	6	7.0	3.10	1.4	2.5
N0511.040-008-NP	M 4	8	7.0	3.10	1.4	2.5
N0511.040-010-NP	M 4	10	7.0	3.10	1.4	2.5
N0511.040-012-NP	M 4	12	7.0	3.10	1.4	2.5
N0511.040-016-NP	M 4	16	7.0	3.10	1.4	2.5
N0511.040-020-NP	M 4	20	7.0	3.10	1.4	2.5
N0511.040-025-NP	M 4	25	7.0	3.10	1.4	2.5
N0511.050-008-NP	M 5	8	8.5	3.65	1.6	3.0
N0511.050-010-NP	M 5	10	8.5	3.65	1.6	3.0
N0511.050-012-NP	M 5	12	8.5	3.65	1.6	3.0
N0511.050-016-NP	M 5	16	8.5	3.65	1.6	3.0
N0511.050-020-NP	M 5	20	8.5	3.65	1.6	3.0
N0511.050-025-NP	M 5	25	8.5	3.65	1.6	3.0
N0511.050-030-NP	M 5	30	8.5	3.65	1.6	3.0
N0511.060-010-NP	M 6	10	10.0	4.40	2.0	4.0
N0511.060-012-NP	M 6	12	10.0	4.40	2.0	4.0
N0511.060-016-NP	M 6	16	10.0	4.40	2.0	4.0
N0511.060-020-NP	M 6	20	10.0	4.40	2.0	4.0
N0511.060-025-NP	M 6	25	10.0	4.40	2.0	4.0
N0511.060-030-NP	M 6	30	10.0	4.40	2.0	4.0
N0511.060-040-NP	M 6	40	10.0	4.40	2.0	4.0

### Why choose

### **PEEK Precision Fasteners?**

- High strength-to-weight ratio
- Exceptional chemical & heat resistance
- Low outgassing for vacuum applications
- Non-magnetic & electrically insulating

### **Industrial Applications**



Aerospace

Holding heat sensitive components securely.



**Medical Devices** 

Corrosion resistant fasteners for cleanroom use.



Semiconductor Manufacturing

Preventing contamination in ultra-clean environments.



Vacuum Technology

Reducing pump-down time with vented screws.



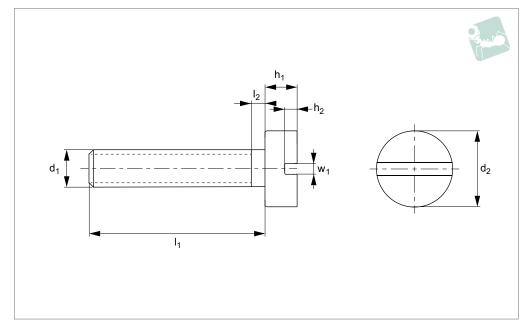
# **Slotted Cheese Head Screws**Natural PEEK







### N0512.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good

durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.
Tensile strength ~116N/mm².

### **Technical Notes**To DIN 84.

Order No.	$d_1$	I <sub>1</sub> +/-0.2	$d_2$	$h_1$	l <sub>2</sub>	h <sub>2</sub>	$w_1$
		+/-0.2			max		
N0512.020-006-NP	M 2	6	3.8	1.4	8.0	0.6	0.5
N0512.020-008-NP	M 2	8	3.8	1.4	0.8	0.6	0.5
N0512.020-010-NP	M 2	10	3.8	1.4	8.0	0.6	0.5
N0512.020-012-NP	M 2	12	3.8	1.4	0.8	0.6	0.5
N0512.020-015-NP	M 2	15	3.8	1.4	0.8	0.6	0.5
N0512.020-020-NP	M 2	20	3.8	1.4	0.8	0.6	0.5
N0512.025-006-NP	M 2.5	6	4.5	1.8	0.9	0.7	0.6
N0512.025-008-NP	M 2.5	8	4.5	1.8	0.9	0.7	0.6
N0512.025-010-NP	M 2.5	10	4.5	1.8	0.9	0.7	0.6
N0512.025-012-NP	M 2.5	12	4.5	1.8	0.9	0.7	0.6
N0512.025-015-NP	M 2.5	15	4.5	1.8	0.9	0.7	0.6
N0512.025-020-NP	M 2.5	20	4.5	1.8	0.9	0.7	0.6
N0512.030-004-NP	М 3	4	5.5	2.0	1.0	8.0	0.8
N0512.030-006-NP	M 3	6	5.5	2.0	1.0	0.8	0.8
N0512.030-008-NP	М 3	8	5.5	2.0	1.0	0.8	0.8
N0512.030-010-NP	M 3	10	5.5	2.0	1.0	0.8	0.8
N0512.030-012-NP	М 3	12	5.5	2.0	1.0	8.0	0.8
N0512.030-015-NP	M 3	15	5.5	2.0	1.0	0.8	0.8
N0512.030-020-NP	М 3	20	5.5	2.0	1.0	8.0	0.8
N0512.030-025-NP	M 3	25	5.5	2.0	1.0	0.8	0.8
N0512.030-030-NP	М 3	30	5.5	2.0	1.0	0.8	0.8
N0512.040-006-NP	M 4	6	7.0	2.6	1.4	1.1	1.2
N0512.040-008-NP	M 4	8	7.0	2.6	1.4	1.1	1.2
N0512.040-010-NP	M 4	10	7.0	2.6	1.4	1.1	1.2
N0512.040-012-NP	M 4	12	7.0	2.6	1.4	1.1	1.2
N0512.040-015-NP	M 4	15	7.0	2.6	1.4	1.1	1.2
N0512.040-020-NP	M 4	20	7.0	2.6	1.4	1.1	1.2
N0512.040-025-NP	M 4	25	7.0	2.6	1.4	1.1	1.2
N0512.050-008-NP	M 5	8	8.5	3.3	1.6	1.3	1.2
N0512.050-010-NP	M 5	10	8.5	3.3	1.6	1.3	1.2
N0512.050-012-NP	M 5	12	8.5	3.3	1.6	1.3	1.2
N0512.050-015-NP	M 5	15	8.5	3.3	1.6	1.3	1.2
N0512.050-020-NP	M 5	20	8.5	3.3	1.6	1.3	1.2
N0512.050-030-NP	M 5	30	8.5	3.3	1.6	1.3	1.2



# Slotted Cheese Head Screws Natural PEEK



Order No.	$d_1$	<sub>1</sub> +/-0.2	$d_2$	$h_1$	l <sub>2</sub> max	h <sub>2</sub>	$w_1$
N0512.060-008-NP	M 6	8	10.0	3.9	2.0	1.6	1.6
N0512.060-010-NP	M 6	10	10.0	3.9	2.0	1.6	1.6
N0512.060-012-NP	M 6	12	10.0	3.9	2.0	1.6	1.6
N0512.060-015-NP	M 6	15	10.0	3.9	2.0	1.6	1.6
N0512.060-020-NP	M 6	20	10.0	3.9	2.0	1.6	1.6
N0512.060-025-NP	M 6	25	10.0	3.9	2.0	1.6	1.6
N0512.060-030-NP	M 6	30	10.0	3.9	2.0	1.6	1.6
N0512.060-035-NP	M 6	35	10.0	3.9	2.0	1.6	1.6
N0512.060-040-NP	M 6	40	10.0	3.9	2.0	1.6	1.6
N0512.080-010-NP	M 8	10	13.0	5.0	2.5	2.0	2.3
N0512.080-015-NP	M 8	15	13.0	5.0	2.5	2.0	2.3
N0512.080-020-NP	M 8	20	13.0	5.0	2.5	2.0	2.3
N0512.080-025-NP	M 8	25	13.0	5.0	2.5	2.0	2.3
N0512.080-030-NP	M 8	30	13.0	5.0	2.5	2.0	2.3
N0512.080-035-NP	M 8	35	13.0	5.0	2.5	2.0	2.3
N0512.080-040-NP	M 8	40	13.0	5.0	2.5	2.0	2.3



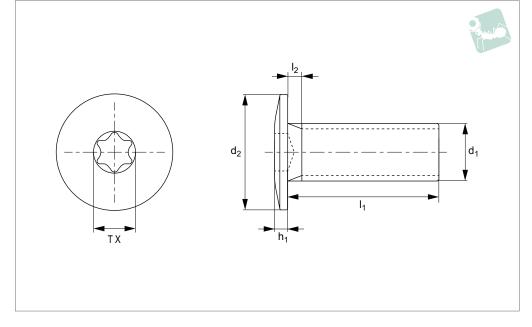
# **Torx Ultra Low Head Screws**Natural PEEK







N0513.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

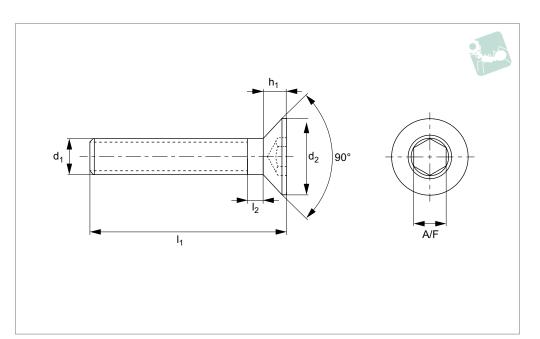
Tensile strength ~116N/mm<sup>2</sup>.

Order No.	$d_1$	J <sub>1</sub>	d <sub>2</sub>	$h_1$	$I_2$	TX size
		+/-0.2			max.	
N0513.030-006-NP	М 3	6	6	1.3	1.0	8
N0513.030-008-NP	M 3	8	6	1.3	1.0	8
N0513.030-010-NP	M 3	10	6	1.3	1.0	8
N0513.030-012-NP	M 3	12	6	1.3	1.0	8
N0513.030-016-NP	M 3	16	6	1.3	1.0	8
N0513.030-020-NP	M 3	20	6	1.3	1.0	8
N0513.040-006-NP	M 4	6	8	1.5	1.4	10
N0513.040-008-NP	M 4	8	8	1.5	1.4	10
N0513.040-010-NP	M 4	10	8	1.5	1.4	10
N0513.040-012-NP	M 4	12	8	1.5	1.4	10
N0513.040-016-NP	M 4	16	8	1.5	1.4	10
N0513.040-020-NP	M 4	20	8	1.5	1.4	10
N0513.040-025-NP	M 4	25	8	1.5	1.4	10
N0513.050-008-NP	M 5	8	9	1.5	1.6	15
N0513.050-010-NP	M 5	10	9	1.5	1.6	15
N0513.050-012-NP	M 5	12	9	1.5	1.6	15
N0513.050-016-NP	M 5	16	9	1.5	1.6	15
N0513.050-020-NP	M 5	20	9	1.5	1.6	15
N0513.050-025-NP	M 5	25	9	1.5	1.6	15
N0513.050-030-NP	M 5	30	9	1.5	1.6	15
N0513.060-010-NP	M 6	10	10	1.5	2.0	20
N0513.060-012-NP	M 6	12	10	1.5	2.0	20
N0513.060-016-NP	M 6	16	10	1.5	2.0	20
N0513.060-020-NP	M 6	20	10	1.5	2.0	20
N0513.060-025-NP	M 6	25	10	1.5	2.0	20
N0513.060-030-NP	M 6	30	10	1.5	2.0	20
N0513.060-035-NP	M 6	35	10	1.5	2.0	20
N0513.060-040-NP	M 6	40	10	1.5	2.0	20



# Countersunk Hexagon Head Screws Natural PEEK







N0514.NP

### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good

durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.
Tensile strength ~116N/mm².

# Technical Notes Generally to DIN 7991. Metal detectable & biocompatible versions available on request.

Order No.	$d_1$	<sub>1</sub> +/-0.2	$d_2$	$h_1$	l <sub>2</sub> max.	A/F
N0514.030-008-NP	М 3	8	6	1.7	1.0	2.0
N0514.030-010-NP	М 3	10	6	1.7	1.0	2.0
N0514.030-012-NP	М 3	12	6	1.7	1.0	2.0
N0514.030-016-NP	М 3	16	6	1.7	1.0	2.0
N0514.030-020-NP	М 3	20	6	1.7	1.0	2.0
N0514.040-008-NP	M 4	8	8	2.3	1.4	2.5
N0514.040-010-NP	M 4	10	8	2.3	1.4	2.5
N0514.040-012-NP	M 4	12	8	2.3	1.4	2.5
N0514.040-016-NP	M 4	16	8	2.3	1.4	2.5
N0514.040-020-NP	M 4	20	8	2.3	1.4	2.5
N0514.040-025-NP	M 4	25	8	2.3	1.4	2.5
N0514.050-008-NP	M 5	8	10	2.8	1.6	3.0
N0514.050-010-NP	M 5	10	10	2.8	1.6	3.0
N0514.050-012-NP	M 5	12	10	2.8	1.6	3.0
N0514.050-016-NP	M 5	16	10	2.8	1.6	3.0
N0514.050-020-NP	M 5	20	10	2.8	1.6	3.0
N0514.050-025-NP	M 5	25	10	2.8	1.6	3.0
N0514.050-030-NP	M 5	30	10	2.8	1.6	3.0
N0514.060-008-NP	M 6	8	12	3.3	2.0	4.0
N0514.060-010-NP	M 6	10	12	3.3	2.0	4.0
N0514.060-012-NP	M 6	12	12	3.3	2.0	4.0
N0514.060-015-NP	M 6	15	12	3.3	2.0	4.0
N0514.060-016-NP	M 6	16	12	3.3	2.0	4.0
N0514.060-020-NP	M 6	20	12	3.3	2.0	4.0
N0514.060-025-NP	M 6	25	12	3.3	2.0	4.0
N0514.060-030-NP	M 6	30	12	3.3	2.0	4.0
N0514.060-035-NP	M 6	35	12	3.3	2.0	4.0



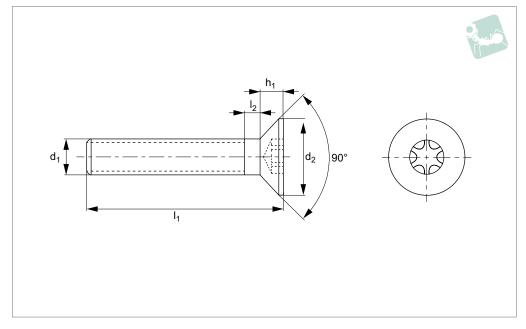
# **Torx Countersunk Head Screws**Natural PEEK







### N0515.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

Order No.	$d_1$	<sub>1</sub> +/-0.2	$d_2$	l <sub>2</sub> max.	$h_1$	Size
N0515.020-004-NP	M 2	4	4	0.8	1.20	TX-6
N0515.020-006-NP	M 2	6	4	0.8	1.20	TX-6
N0515.020-008-NP	M 2	8	4	0.8	1.20	TX-6
N0515.020-010-NP	M 2	10	4	0.8	1.20	TX-6
N0515.020-012-NP	M 2	12	4	0.8	1.20	TX-6
N0515.020-015-NP	M 2	15	4	0.8	1.20	TX-6
N0515.020-020-NP	M 2	20	4	0.8	1.20	TX-6
N0515.025-004-NP	M 2.5	4	4	0.9	1.50	TX-8
N0515.025-006-NP	M 2.5	6	5	0.9	1.50	TX-8
N0515.025-008-NP	M 2.5	8	5	0.9	1.50	TX-8
N0515.025-010-NP	M 2.5	10	5	0.9	1.50	TX-8
N0515.025-012-NP	M 2.5	12	5	0.9	1.50	TX-8
N0515.025-015-NP	M 2.5	15	5	0.9	1.50	TX-8
N0515.025-020-NP	M 2.5	20	5	0.9	1.50	TX-8
N0515.030-004-NP	M 3	4	6	1.0	1.65	TX-10
N0515.030-006-NP	M 3	6	6	1.0	1.65	TX-10
N0515.030-008-NP	M 3	8	6	1.0	1.65	TX-10
N0515.030-010-NP	M 3	10	6	1.0	1.65	TX-10
N0515.030-012-NP	М 3	12	6	1.0	1.65	TX-10
N0515.030-015-NP	M 3	15	6	1.0	1.65	TX-10
N0515.030-020-NP	М 3	20	6	1.0	1.65	TX-10
N0515.030-025-NP	М 3	25	6	1.0	1.65	TX-10
N0515.030-030-NP	М 3	30	6	1.0	1.65	TX-10
N0515.040-006-NP	M 4	6	8	1.4	2.20	TX-20
N0515.040-008-NP	M 4	8	8	1.4	2.20	TX-20
N0515.040-010-NP	M 4	10	8	1.4	2.20	TX-20
N0515.040-012-NP	M 4	12	8	1.4	2.20	TX-20
N0515.040-015-NP	M 4	15	8	1.4	2.20	TX-20
N0515.040-020-NP	M 4	20	8	1.4	2.20	TX-20
N0515.040-025-NP	M 4	25	8	1.4	2.20	TX-20
N0515.040-030-NP	M 4	30	8	1.4	2.20	TX-20
N0515.050-008-NP	M 5	8	10	1.6	2.50	TX-25
N0515.050-010-NP	M 5	10	10	1.6	2.50	TX-25
N0515.050-012-NP	M 5	12	10	1.6	2.50	TX-25



# Torx Countersunk Head Screws Natural PEEK

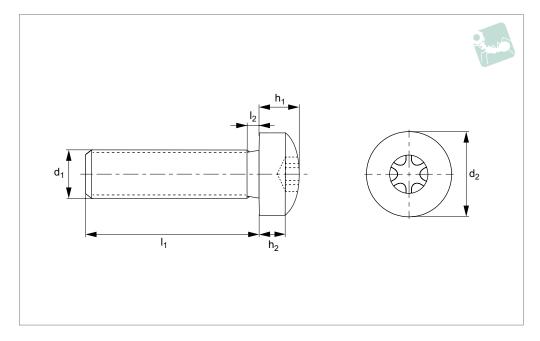


Order No.	$d_1$	l <sub>1</sub> +/-0.2	$d_2$	l <sub>2</sub> max.	$h_1$	Size
N0515.050-015-NP	M 5	15	10	1.6	2.50	TX-25
N0515.050-020-NP	M 5	20	10	1.6	2.50	TX-25
N0515.050-025-NP	M 5	25	10	1.6	2.50	TX-25
N0515.050-030-NP	M 5	30	10	1.6	2.50	TX-25
N0515.060-008-NP	M 6	8	12	2.0	3.00	TX-30
N0515.060-010-NP	M 6	10	12	2.0	3.00	TX-30
N0515.060-012-NP	M 6	12	12	2.0	3.00	TX-30
N0515.060-015-NP	M 6	15	12	2.0	3.00	TX-30
N0515.060-020-NP	M 6	20	12	2.0	3.00	TX-30
N0515.060-025-NP	M 6	25	12	2.0	3.00	TX-30
N0515.060-030-NP	M 6	30	12	2.0	3.00	TX-30
N0515.080-010-NP	M 8	10	16	2.5	4.00	TX-35
N0515.080-015-NP	M 8	15	16	2.5	4.00	TX-35
N0515.080-020-NP	M 8	20	16	2.5	4.00	TX-35
N0515.080-025-NP	M 8	25	16	2.5	4.00	TX-35
N0515.080-030-NP	M 8	30	16	2.5	4.00	TX-35





### N0520.NP



#### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

Order No.	$d_1$	 	$d_2$	$h_1$	Size	h <sub>2</sub>	l <sub>2</sub> max.
N0520.020-004-NP	M 2	4	4	1.6	TX-6	1.1	0.8
N0520.020-006-NP	M 2	6	4	1.6	TX-6	1.1	0.8
N0520.020-008-NP	M 2	8	4	1.6	TX-6	1.1	0.8
N0520.020-010-NP	M 2	10	4	1.6	TX-6	1.1	0.8
N0520.020-012-NP	M 2	12	4	1.6	TX-6	1.1	0.8
N0520.020-015-NP	M 2	15	4	1.6	TX-6	1.1	0.8
N0520.020-020-NP	M 2	20	4	1.6	TX-6	1.1	0.8
N0520.025-004-NP	M 2.5	4	5	2.0	TX-8	1.3	0.9
N0520.025-006-NP	M 2.5	6	5	2.0	TX-8	1.3	0.9
N0520.025-008-NP	M 2.5	8	5	2.0	TX-8	1.3	0.9
N0520.025-010-NP	M 2.5	10	5	2.0	TX-8	1.3	0.9
N0520.025-012-NP	M 2.5	12	5	2.0	TX-8	1.3	0.9
N0520.025-015-NP	M 2.5	15	5	2.0	TX-8	1.3	0.9
N0520.025-020-NP	M 2.5	20	5	2.0	TX-8	1.3	0.9
N0520.030-004-NP	М 3	4	6	2.4	TX-10	1.6	1.0
N0520.030-006-NP	M 3	6	6	2.4	TX-10	1.6	1.0
N0520.030-008-NP	М 3	8	6	2.4	TX-10	1.6	1.0
N0520.030-010-NP	M 3	10	6	2.4	TX-10	1.6	1.0
N0520.030-012-NP	М 3	12	6	2.4	TX-10	1.6	1.0
N0520.030-015-NP	M 3	15	6	2.4	TX-10	1.6	1.0
N0520.030-020-NP	М 3	20	6	2.4	TX-10	1.6	1.0
N0520.030-025-NP	M 3	25	6	2.4	TX-10	1.6	1.0
N0520.030-030-NP	М 3	30	6	2.4	TX-10	1.6	1.0
N0520.040-006-NP	M 4	6	8	3.1	TX-20	2.0	1.4
N0520.040-008-NP	M 4	8	8	3.1	TX-20	2.0	1.4
N0520.040-010-NP	M 4	10	8	3.1	TX-20	2.0	1.4
N0520.040-012-NP	M 4	12	8	3.1	TX-20	2.0	1.4
N0520.040-015-NP	M 4	15	8	3.1	TX-20	2.0	1.4
N0520.040-020-NP	M 4	20	8	3.1	TX-20	2.0	1.4
N0520.040-025-NP	M 4	25	8	3.1	TX-20	2.0	1.4
N0520.040-030-NP	M 4	30	8	3.1	TX-20	2.0	1.4
N0520.050-008-NP	M 5	8	10	3.8	TX-25	2.5	1.6
N0520.050-010-NP	M 5	10	10	3.8	TX-25	2.5	1.6
N0520.050-012-NP	M 5	12	10	3.8	TX-25	2.5	1.6
N0520.050-015-NP	M 5	15	10	3.8	TX-25	2.5	1.6



# Torx Pan Head Screws Natural PEEK

Order No.	$d_1$	<sub>1</sub> +/-0.2	$d_2$	$h_1$	Size	h <sub>2</sub>	l <sub>2</sub> max.
N0520.050-020-NP	M 5	20	10	3.8	TX-25	2.5	1.6
N0520.050-025-NP	M 5	25	10	3.8	TX-25	2.5	1.6
N0520.050-030-NP	M 5	30	10	3.8	TX-25	2.5	1.6
N0520.060-008-NP	M 6	8	12	4.6	TX-30	3.0	2.0
N0520.060-010-NP	M 6	10	12	4.6	TX-30	3.0	2.0
N0520.060-012-NP	M 6	12	12	4.6	TX-30	3.0	2.0
N0520.060-015-NP	M 6	15	12	4.6	TX-30	3.0	2.0
N0520.060-020-NP	M 6	20	12	4.6	TX-30	3.0	2.0
N0520.060-025-NP	M 6	25	12	4.6	TX-30	3.0	2.0
N0520.060-030-NP	M 6	30	12	4.6	TX-30	3.0	2.0
N0520.060-035-NP	M 6	35	12	4.6	TX-30	3.0	2.0
N0520.060-040-NP	M 6	40	12	4.6	TX-30	3.0	2.0
N0520.080-010-NP	M 8	10	16	6.0	TX-40	3.7	2.5
N0520.080-015-NP	M 8	15	16	6.0	TX-40	3.7	2.5
N0520.080-020-NP	M 8	20	16	6.0	TX-40	3.7	2.5
N0520.080-025-NP	M 8	25	16	6.0	TX-40	3.7	2.5
N0520.080-030-NP	M 8	30	16	6.0	TX-40	3.7	2.5
N0520.080-035-NP	M 8	35	16	6.0	TX-40	3.7	2.5
N0520.080-040-NP	M 8	40	16	6.0	TX-40	3.7	2.5





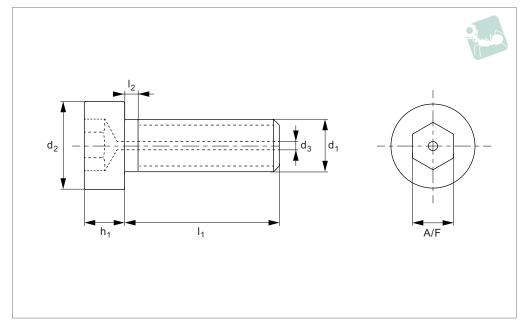
# Cap Head Vented Screws Natural PEEK







N0530.NP



### Material

Natural Polyether-ether-ketone (PEEK). Beige.

A high performance plastic with very good durability and wear resistance. PEEK has excellent chemical resistance and performs well at temperatures up to 260°C.

Tensile strength ~116N/mm<sup>2</sup>.

Order No.	$d_1$	l <sub>1</sub> +/-0.2	d <sub>2</sub>	d <sub>3</sub>	h <sub>1</sub>	I <sub>2</sub> max.	A/F
N0530.030-006-NP	М 3	6	5.5	1.0	3.0	1.0	2.5
N0530.030-008-NP	M 3	8	5.5	1.0	3.0	1.0	2.5
N0530.030-010-NP	M 3	10	5.5	1.0	3.0	1.0	2.5
N0530.030-012-NP	M 3	12	5.5	1.0	3.0	1.0	2.5
N0530.030-015-NP	M 3	15	5.5	1.0	3.0	1.0	2.5
N0530.030-020-NP	M 3	20	5.5	1.0	3.0	1.0	2.5
N0530.040-006-NP	M 4	6	7.0	1.0	4.0	1.4	3.0
N0530.040-008-NP	M 4	8	7.0	1.0	4.0	1.4	3.0
N0530.040-010-NP	M 4	10	7.0	1.0	4.0	1.4	3.0
N0530.040-012-NP	M 4	12	7.0	1.0	4.0	1.4	3.0
N0530.040-015-NP	M 4	15	7.0	1.0	4.0	1.4	3.0
N0530.040-020-NP	M 4	20	7.0	1.0	4.0	1.4	3.0
N0530.040-025-NP	M 4	25	7.0	1.0	4.0	1.4	3.0
N0530.040-030-NP	M 4	30	7.0	1.0	4.0	1.4	3.0
N0530.050-008-NP	M 5	8	8.5	1.3	5.0	1.6	4.0
N0530.050-010-NP	M 5	10	8.5	1.3	5.0	1.6	4.0
N0530.050-012-NP	M 5	12	8.5	1.3	5.0	1.6	4.0
N0530.050-015-NP	M 5	15	8.5	1.3	5.0	1.6	4.0
N0530.050-020-NP	M 5	20	8.5	1.3	5.0	1.6	4.0
N0530.050-025-NP	M 5	25	8.5	1.3	5.0	1.6	4.0
N0530.050-030-NP	M 5	30	8.5	1.3	5.0	1.6	4.0
N0530.060-008-NP	M 6	8	10.0	1.6	6.0	2.0	5.0
N0530.060-010-NP	M 6	10	10.0	1.6	6.0	2.0	5.0
N0530.060-012-NP	M 6	12	10.0	1.6	6.0	2.0	5.0
N0530.060-015-NP	M 6	15	10.0	1.6	6.0	2.0	5.0
N0530.060-020-NP	M 6	20	10.0	1.6	6.0	2.0	5.0
N0530.060-025-NP	M 6	25	10.0	1.6	6.0	2.0	5.0
N0530.060-030-NP	M 6	30	10.0	1.6	6.0	2.0	5.0
N0530.080-010-NP	M 8	10	13.0	1.8	8.0	2.5	6.0
N0530.080-015-NP	M 8	15	13.0	1.8	8.0	2.5	6.0
N0530.080-020-NP	M 8	20	13.0	1.8	8.0	2.5	6.0
N0530.080-025-NP	M 8	25	13.0	1.8	8.0	2.5	6.0
N0530.080-030-NP	M 8	30	13.0	1.8	8.0	2.5	6.0
N0530.120-015-NP	M 12	15	18.0	1.8	12.0	3.5	10.0



# Cap Head Vented Screws Natural PEEK



Order No.	$d_1$	<sub>1</sub> +/-0.2	$d_2$	$d_3$	$h_1$	l <sub>2</sub> max.	A/F
N0530.120-020-NP	M 12	20	18.0	1.8	12.0	3.5	10.0
N0530.120-025-NP	M 12	25	18.0	1.8	12.0	3.5	10.0
N0530.120-030-NP	M 12	30	18.0	1.8	120	3.5	100





# REQUEST FREE PEEK SAMPLES

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### Manufacturing capabilities In-House

Since moving to our Chichester site in 2019, we have brought the manufacture of our range of precision fasteners in-house. Our CNC lathes are working day and night to produce our wide selection of shoulder screws, captive screws, vented screws and more in many different sizes and materials!

To ensure we are running as efficiently as possible, we have written custom software that works with our warehouse and ordering system to reduce the average lead time significantly. Our system means that we can offer bespoke variations on our existing products with no hassle, and at lower minimum quantities.





### **Sealing Screws**

We are the only manufacturers in Europe for Integral O-Ring Sealing Screws.



### **Captive Screws**

Our popular range of captive screws and mounting fittings are ideal for panel applications.



### **Vented Screws**

The highest quality vented fasteners, made in Chichester for your vacuum system.



### **Shoulder Screws**

A massive line-up of shoulder screws in different materials and head styles.



### Bespoke parts made in-house

### to meet customer requirements

Our range of precision fasteners; sealing, captive, shoulder and vented screws benefit from being manufactured in-house in our Chichester site. We can custom make special executions of our standard fasteners; varying thread length, thread size and material with an extremely efficient production time.

Get in touch with our technical team to discuss your ideas and see how we can help you with your project. 🔻

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### Why order with us?



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### TECHNICAL **SALES SUPPORT**

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Established in 1951, the Wixroyd Group supply innovative engineering products with free online CAD models and in-house technical expertise.



### **BESPOKE CAPABILITIES**

Our in-house manufacturing can make your idea a reality. Call our technical team to discuss.



### An introduction to **Shoulder Screws**



#### What is a shoulder screw?

Shoulder screws are also known as shoulder bolts and stripper bolts. Their sizes are normally described by the shoulder diameter x shoulder length. Once installed, the shoulder section, which is slightly larger in diameter to the threaded section, can act as a shaft for rotating bearings to create simple cam followers, pivot points or for pulley's and gears. Manufactured in house, not only do we have large volumes of

shoulder screws in stock in a wide variety of styles, materials and sizes, we are also able to manufacture specials to your bespoke requirements with very quick turnaround times.



Mechanical Components ▶ Shoulder Screws, Captive Screws & Sealing Screws

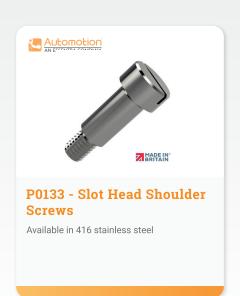
### **Shoulder Screws**

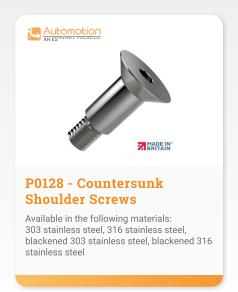
Shoulder screws, also known as shoulder bolts or sometimes referred to as stripper bolts, distinguish themselves by featuring a head, a threaded portion, and an additional unthreaded "shoulder" in between. This shoulder, with a larger diameter than the thread and high precision tolerance, serves a dual purpose as

both a fastener and a precise guide for moving parts. Available in various materials, including stainless steel and titanium, shoulder screws offer versatility and reliability in applications requiring precise alignment and support for moving components.















Shoulder Screws, Captive Screws & Sealing Screws >

**Shoulder Screws** 





#### P0126 - Headless Shoulder Screws

Slot drive Stainless AISI 303



#### P0127 - Cap Head Shoulder Nuts

Hex. drive Available in stainless AISI 303/316, and blackened AISI 303/316



#### P0130.P2 - Cap Head Shoulder Screws

With locking patch Hex. drive Stainless AISI 303



### P0131 - Cap Head Shoulder Screws

Hex. drive Stainless AISI 416



### P0132 - Cap Head Shoulder Screws

Slot drive Available in stainless AISI 303, AISI 316 and imperial



#### P0134 - Ultra Low Head Shoulder Screws

Hex. drive Available in stainless AISI 303/316 and blackened AISI 303/316



#### P0135 - Stainless Shoulder Bolts

Hex. head Stainless AISI 303 Small sizes



#### P0136 - Hex. Socket Head Shoulder Screws

Blackened alloy steel High grade strength 12.9











Large sizes







Shoulder Screws, Captive Screws & Sealing Screws >

**Shoulder Screws** 





Hex. head Blackened alloy steel - strength 10.9 Short thread



Hex. head Blackened alloy steel - strength 8.8 Construction grade



### P0144 - Pan Head Shoulder Screws

Slot drive Available in zinc-plated steel and stainless AISI 303



### P0145 - Cap Head Shoulder Screws

TX drive Available in stainless AISI 303/316 and blackened AISI 303/316



## An introduction to Captive Screws



### What is a captive screw?

A captive screw is a fastener specially designed to remain in place within an assembly when the panel or cover is removed. Generally, the captive screw has a thinner diameter shank over the length of the screw, and a larger threaded portion at the end. Therefore, when removing a panel, the screws do not come away from the panel itself. For example, you may need to remove a cover

panel (such as a guard panel) from an assembly whilst performing maintenance. The screws are required to remain with the panel so that they don't get misplaced.

Consequently, these fasteners are important when used in safefy equipment, where it is crucial to avoid loose components.



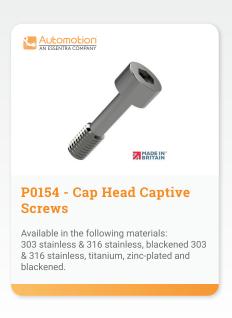
Mechanical Components ▶ Shoulder Screws, Captive Screws & Sealing Screws

### **Captive Screws**

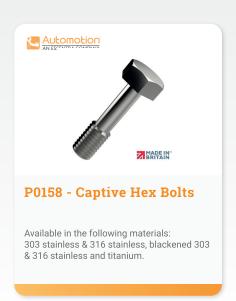
Captive screws, designed for permanent hold or "captivation," offer enhanced safety by significantly reducing the likelihood of accidental removal once installed. The reduced diameter section of the screw helps keep the screw captivated in the panel once the panel has been removed, hence the name.

This captivation is crucial for compliance with safety regulations, such as the EU Machine Safety Directive (2006/42/EC) and/or ISO 14583, where certain equipment, like safety covers or panels, require permanent fastenings.















Shoulder Screws, Captive Screws & Sealing Screws >

**Captive Screws** 





#### P0149 - Button Head Captive **Screws**

TX drive Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI



#### P0150 - Pan Head Captive **Screws**

TX drive Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI



#### P0151 - Button Head Captive **Screws**

Hex. drive Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI



#### P0152 - Cheese Head Captive **Screws**

Hex. drive Available in stainless AISI 303/316 and blackened AISI 303/316



#### P0154.P2 - Cap Head Captive **Screws**

With locking patch Hex. drive Stainless AISI 303



### Screws

Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI 303/316



#### P0156 - Cap Head Captive **Screws**

TX drive Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI 303/316



#### P0157 - Pan Head Captive Screws

Phillips drive Stainless AISI 303

Stainless AISI 303



### **Thumb Screws**

Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI 303/316



### P0160 - Captive Thumb Screws

Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI



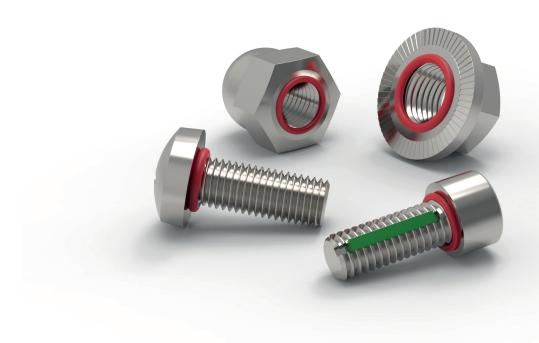
### P0161 - Captive Thumb Screws

Available in titanium grade 2/5, stainless AISI 303/316 and blackened AISI





### An introduction to Sealing Screws



### What is a sealing screw?

An ordinary screw lacks seal protection, allowing dirt, fluids, gases, etc to infiltrate and damage sensitive devices. Sealing screws provide bi-directional sealing protection to systems where screws are used, to protect them against foreign contaminates, which with a standard fastening may penetrate or leak and cause damage. The seal screws incorporate an O-ring underneath the screw, bolt, etc which forms a

sealant layer. The seal provides bi-directional sealing. The screws are very easy to use and do not need any special preparation or re-tightening. Our self sealing fasteners are designed and manufactured with a precision engineered groove beneath the head of the fastener. As the fastener is tightened, the O-ring is compressed, squeezing the O-ring between the groove and mating surface to complete the seal.



Mechanical Components > Shoulder Screws, Captive Screws & Sealing Screws

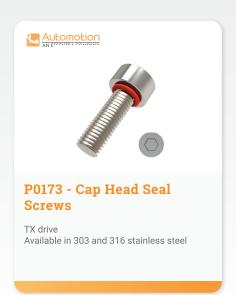
### Sealing Screws

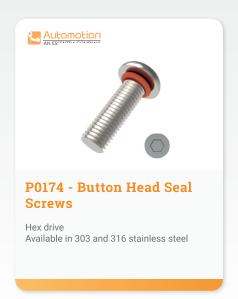
Sealing screws offer crucial bi-directional protection against contaminants, preventing potential damage to sensitive devices. Featuring an O-ring beneath the screw or bolt, these screws create a reliable seal as they are tightened, controlled by a precision-engineered groove. This design ensures consistent O-ring

compression, making the screws reusable. Various O-ring materials resist diverse chemical and environmental conditions. Sealing screws, available to military specifications (MILSPEC) on request, are user-friendly, requiring no special preparation or re-tightening.















Shoulder Screws, Captive Screws & Sealing Screws >

**Sealing Screws** 









P0172 - Pan Head Seal **Screws** 

TX drive Stainless AISI 303 Silicone O-ring



P0175.P2 - Cap Head Seal **Screws** 

With locking patch Hex. drive Stainless AISI 303 Silicone O-ring



P0175 - Countersunk Seal **Screws** 

Hex. drive Stainless AISI 303 Silicone O-ring



Stainless AISI 303 Sllicone O-ring



Stainless AISI 303 Silicone O-ring



P0179 - Integral Domed Nuts

Stainless AISI 303 Silicone O-ring



### P0180 - Seal Washers

Stainless AISI 316 Ribbed silicone rubber bonded sealing element



### An introduction to

### **Vented Screws**



### What is a vented screw?

Vented screws have a hole drilled through the centre to allow for the release of gasses and pressure, typically in vacuum applications. A blind tapped hole inside a vacuum system leaves residual air space at the bottom that cannot be fully evacuated in the vacuum cycle when a bolt, screw or other fastener is threaded into the hole. The screw itself is a helix with a large surface area also containing voids of

trapped air. This produces virtual leaks. Vented screws and fasteners ensure direct ventilation of these voids, allowing the trapped volumes of air within the threads and at the bottoms of the holes to be fully evacuated. This speeds pumpdown and helps improve system performance.



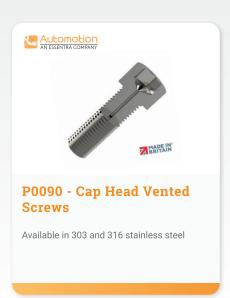
Mechanical Components ▶ Thread Inserts & Specialist Screws

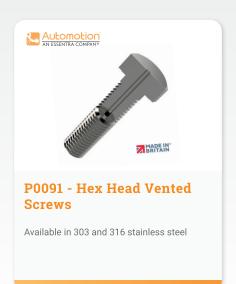
### **Vented Screws**

Vented screws are purpose-built for applications where trapped air bubbles pose challenges, such as in vacuum systems and clean rooms. The vent allows trapped air under the screw to be released quickly. Therefore, systems that are subjected to vacuum conditions can reach low pressures more quickly and remain at low pressures

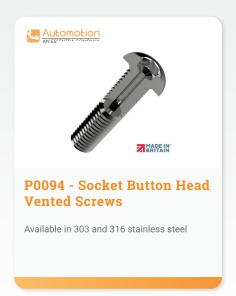
more effectively. All products are ultrasonically cleaned to meet the cleanliness requirements of vacuum environments. Additionally, coatings are offered to reduce seizing or galling in vented screws.







0333 207 4498









**Thread Inserts & Specialist Screws** 

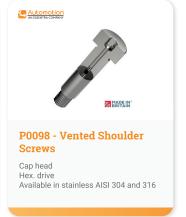
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**Vented Screws** 









### An introduction to

### Low Head Screws



### What is a low head screw?

Low head screws are designed for applications where space is limited, and a minimal protrusion is required. Their reduced head height allows for a flush or near-flush finish, making them ideal for compact assemblies, precision instruments, and high-tech electronics. These screws help reduce weight while maintaining strong fastening performance, making them particularly useful in aerospace, automotive, and medical

device manufacturing. Additionally, they improve aerodynamics and aesthetics in applications where exposed fasteners could cause turbulence or interfere with moving parts.



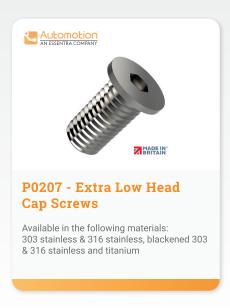
Mechanical Components ▶ Standard Fasteners

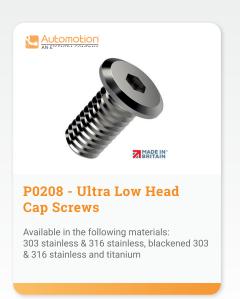
### Low Head Screws

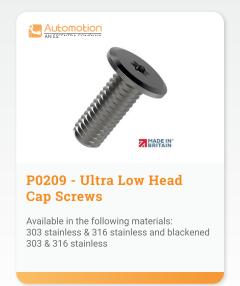
Low head screws, crucial in weight-sensitive applications like aerospace, provide minimal weight and reduced drag. Unlike traditional countersunk screws requiring a minimum metal depth for head recess, our innovative low head profile screws allow for the use of thinner panels, saving weight and ensuring a flush fit with the

surface, with thicknesses as minimal as 0.5mm. Available in hex or TX versions, these screws provide a streamlined solution for applications requiring both lightweight design and reduced aerodynamic resistance.

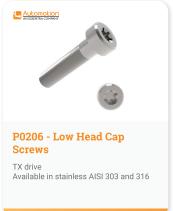










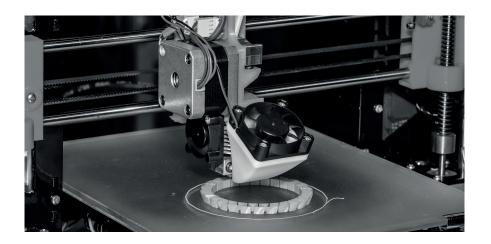




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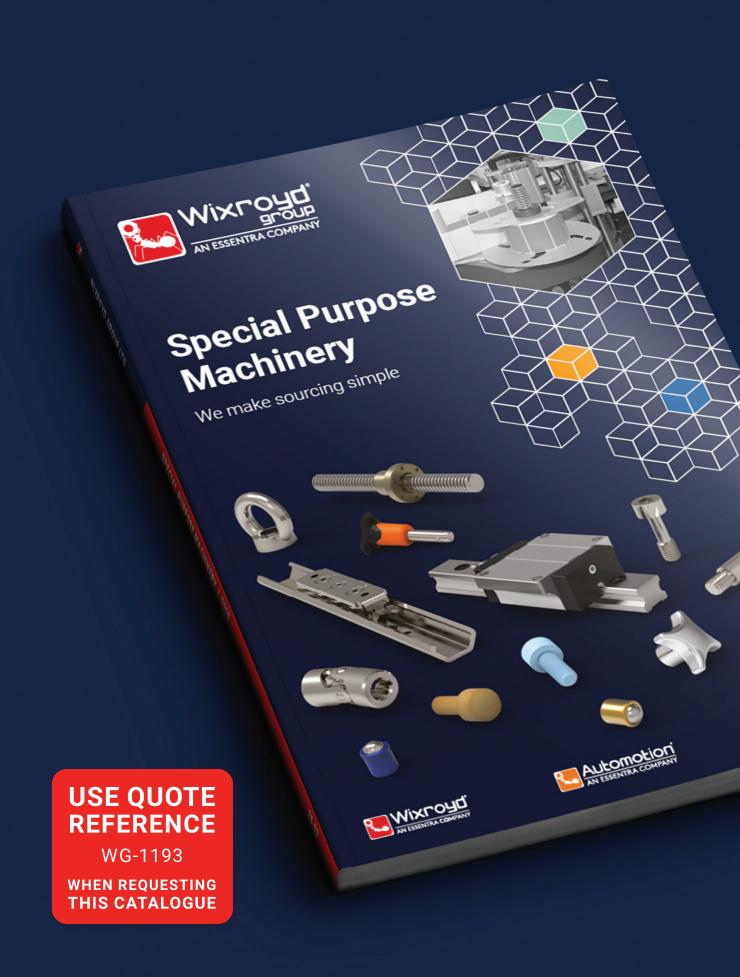
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