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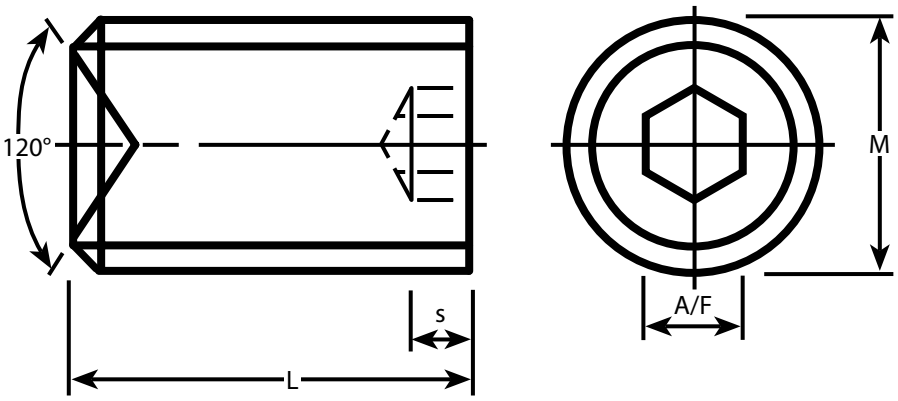
FASTENERS

GM

Cup Point Set Screws

Steel : DIN 916 : M3 - M12



Part Number	Thread M	L	s	A/F
GM3-3	M3	3	1.4	1.5
GM3-4	M3	4	1.4	1.5
GM3-5	M3	5	1.4	1.5
GM3-6	M3	6	1.4	1.5
GM3-8	M3	8	1.4	1.5
GM3-10	M3	10	1.4	1.5
GM3-12	M3	12	1.4	1.5
GM3-16	M3	16	1.4	1.5
GM4-4	M4	4	2.0	2.0
GM4-5	M4	5	2.0	2.0
GM4-6	M4	6	2.0	2.0
GM4-8	M4	8	2.0	2.0
GM4-10	M4	10	2.0	2.0
GM4-12	M4	12	2.0	2.0
GM4-16	M4	16	2.0	2.0
GM4-20	M4	20	2.0	2.0
GM4-25	M4	25	2.0	2.0
GM5-5	M5	5	2.5	2.5
GM5-6	M5	6	2.5	2.5
GM5-8	M5	8	2.5	2.5
GM5-10	M5	10	2.5	2.5
GM5-12	M5	12	2.5	2.5
GM5-16	M5	16	2.5	2.5
GM5-20	M5	20	2.5	2.5
GM5-25	M5	25	2.5	2.5
GM5-30	M5	30	2.5	2.5
GM6-6	M6	6	3.0	3.0
GM6-8	M6	8	3.0	3.0
GM6-10	M6	10	3.0	3.0
GM6-12	M6	12	3.0	3.0
GM6-16	M6	16	3.0	3.0
GM6-20	M6	20	3.0	3.0
GM6-25	M6	25	3.0	3.0
GM6-30	M6	30	3.0	3.0
GM6-35	M6	35	3.0	3.0

Part Number	Thread M	L	s	A/F
GM8-8	M8	8	5	4
GM8-10	M8	10	5	4
GM8-12	M8	12	5	4
GM8-16	M8	16	5	4
GM8-20	M8	20	5	4
GM8-25	M8	25	5	4
GM8-30	M8	30	5	4
GM8-35	M8	35	5	4
GM8-40	M8	40	5	4
GM8-45	M8	45	5	4
GM8-50	M8	50	5	4
GM10-10	M10	10	6	5
GM10-12	M10	12	6	5
GM10-16	M10	16	6	5
GM10-20	M10	20	6	5
GM10-25	M10	25	6	5
GM10-30	M10	30	6	5
GM10-35	M10	35	6	5
GM10-40	M10	40	6	5
GM10-45	M10	45	6	5
GM10-50	M10	50	6	5
GM12-12	M12	12	8	6
GM12-16	M12	16	8	6
GM12-20	M12	20	8	6
GM12-25	M12	25	8	6
GM12-30	M12	30	8	6
GM12-35	M12	35	8	6
GM12-40	M12	40	8	6
GM12-45	M12	45	8	6
GM12-50	M12	50	8	6
GM12-60	M12	60	8	6

Material

Alloy Steel - High Grade. BS4168 Pt. 5, DIN 916, ISO 4029.

Hardness: 45 HRC

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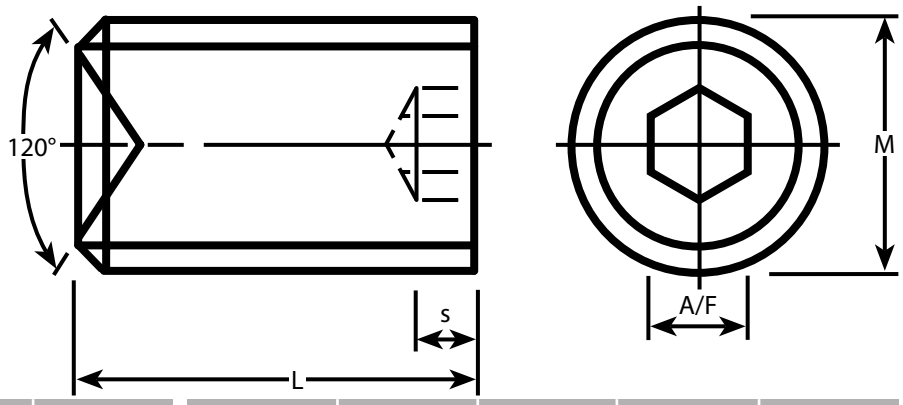
FASTENERS

SM

Cup Point Set Screws

Stainless Steel : DIN 916-A2 : M2 - M16



Part Number	Thread M	L	s	A/F
SM2-3	M2	3	1.0	0.9
SM2-4	M2	4	1.0	0.9
SM2-5	M2	5	1.0	0.9
SM2-6	M2	6	1.0	0.9
SM2-8	M2	8	1.0	0.9
SM2-10	M2	10	1.0	0.9
SM2-12	M2	12	1.0	0.9
SM2.5-3	M2.5	3	1.2	1.3
SM2.5-4	M2.5	4	1.2	1.3
SM2.5-5	M2.5	5	1.2	1.3
SM2.5-6	M2.5	6	1.2	1.3
SM2.5-8	M2.5	8	1.2	1.3
SM2.5-10	M2.5	10	1.2	1.3
SM3-3	M3	3	1.4	1.5
SM3-4	M3	4	1.4	1.5
SM3-5	M3	5	1.4	1.5
SM3-6	M3	6	1.4	1.5
SM3-8	M3	8	1.4	1.5
SM3-10	M3	10	1.4	1.5
SM3-12	M3	12	1.4	1.5
SM3-16	M3	16	1.4	1.5
SM3-20	M3	20	1.4	1.5
SM4-4	M4	4	2.0	2.0
SM4-5	M4	5	2.0	2.0
SM4-6	M4	6	2.0	2.0
SM4-8	M4	8	2.0	2.0
SM4-10	M4	10	2.0	2.0
SM4-12	M4	12	2.0	2.0
SM4-16	M4	16	2.0	2.0
SM4-20	M4	20	2.0	2.0
SM4-25	M4	25	2.0	2.0
SM4-30	M4	30	2.0	2.0
SM5-5	M5	5	2.5	2.5
SM5-6	M5	6	2.5	2.5
SM5-8	M5	8	2.5	2.5
SM5-10	M5	10	2.5	2.5
SM5-12	M5	12	2.5	2.5
SM5-16	M5	16	2.5	2.5
SM5-20	M5	20	2.5	2.5
SM5-25	M5	25	2.5	2.5
SM5-30	M5	30	2.5	2.5
SM5-35	M5	35	2.5	2.5
SM5-40	M5	40	2.5	2.5
SM6-6	M6	6	3.0	3.0
SM6-8	M6	8	3.0	3.0
SM6-10	M6	10	3.0	3.0

Part Number	Thread M	L	s	A/F
SM6-12	M6	12	3	3
SM6-16	M6	16	3	3
SM6-20	M6	20	3	3
SM6-25	M6	25	3	3
SM6-30	M6	30	3	3
SM6-35	M6	35	3	3
SM6-40	M6	40	3	3
SM6-45	M6	45	3	3
SM6-50	M6	50	3	3
SM8-8	M8	8	5	4
SM8-10	M8	10	5	4
SM8-12	M8	12	5	4
SM8-16	M8	16	5	4
SM8-20	M8	20	5	4
SM8-25	M8	25	5	4
SM8-30	M8	30	5	4
SM8-35	M8	35	5	4
SM8-40	M8	40	5	4
SM8-50	M8	50	5	4
SM10-10	M10	10	6	5
SM10-12	M10	12	6	5
SM10-16	M10	16	6	5
SM10-20	M10	20	6	5
SM10-25	M10	25	6	5
SM10-30	M10	30	6	5
SM10-35	M10	35	6	5
SM10-40	M10	40	6	5
SM10-50	M10	50	6	5
SM12-12	M12	12	8	6
SM12-16	M12	16	8	6
SM12-20	M12	20	8	6
SM12-25	M12	25	8	6
SM12-30	M12	30	8	6
SM12-35	M12	35	8	6
SM12-40	M12	40	8	6
SM12-50	M12	50	8	6
SM12-60	M12	60	8	6
SM16-16	M16	16	10	8
SM16-20	M16	20	10	8
SM16-25	M16	25	10	8
SM16-30	M16	30	10	8
SM16-35	M16	35	10	8
SM16-40	M16	40	10	8
SM16-50	M16	50	10	8
SM16-60	M16	60	10	8

Material

A2 Stainless Steel, DIN 916.

Maximum Working Temperature: +430°C.

Extras

Available in A4 Stainless Steel, P.O.A.

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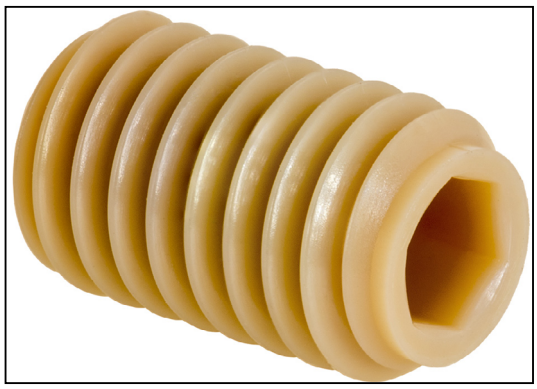
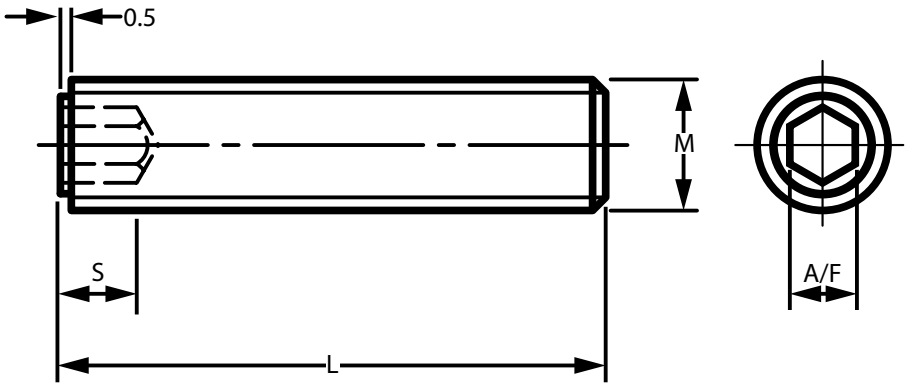
FASTENERS

SPE-T

Hexagon Socket Set Screws

PEEK† : M3 - M8





Part Number	Thread M	L	A/F	S	Torsional Breaking Torque* (Nm)	Mass g	Quantity per Pack
SPE-M3X4-T	M3	4	1.5	2.0	0.30	0.023	10
SPE-M3X5-T	M3	5	1.5	2.0	0.30	0.030	10
SPE-M3X6-T	M3	6	1.5	2.0	0.30	0.037	10
SPE-M3X8-T	M3	8	1.5	2.0	0.30	0.050	10
SPE-M3X10-T	M3	10	1.5	2.0	0.30	0.063	10
SPE-M3X12-T	M3	12	1.5	2.0	0.30	0.077	10
SPE-M3X15-T	M3	15	1.5	2.0	0.30	0.100	10
SPE-M4X5-T	M4	5	2.0	2.5	0.64	0.050	10
SPE-M4X6-T	M4	6	2.0	2.5	0.64	0.063	10
SPE-M4X8-T	M4	8	2.0	2.5	0.64	0.090	10
SPE-M4X10-T	M4	10	2.0	2.5	0.64	0.120	10
SPE-M4X12-T	M4	12	2.0	2.5	0.64	0.140	10
SPE-M4X15-T	M4	15	2.0	2.5	0.64	0.200	10
SPE-M4X20-T	M4	20	2.0	2.5	0.64	0.250	10
SPE-M5X5-T	M5	5	2.5	3.0	1.28	0.050	10
SPE-M5X6-T	M5	6	2.5	3.0	1.28	0.073	10
SPE-M5X8-T	M5	8	2.5	3.0	1.28	0.130	10
SPE-M5X10-T	M5	10	2.5	3.0	1.28	0.180	10
SPE-M5X12-T	M5	12	2.5	3.0	1.28	0.210	10
SPE-M5X15-T	M5	15	2.5	3.0	1.28	0.290	10
SPE-M5X20-T	M5	20	2.5	3.0	1.28	0.370	10
SPE-M6X6-T	M6	6	3.0	3.5	2.26	0.130	5
SPE-M6X8-T	M6	8	3.0	3.5	2.26	0.190	5
SPE-M6X10-T	M6	10	3.0	3.5	2.26	0.240	5
SPE-M6X12-T	M6	12	3.0	3.5	2.26	0.300	5
SPE-M6X15-T	M6	15	3.0	3.5	2.26	0.420	5
SPE-M6X20-T	M6	20	3.0	3.5	2.26	0.540	5
SPE-M6X25-T	M6	25	3.0	3.5	2.26	0.680	5
SPE-M8X10-T	M8	10	4.0	5.0	5.98	0.420	5
SPE-M8X12-T	M8	12	4.0	5.0	5.98	0.530	5
SPE-M8X15-T	M8	15	4.0	5.0	5.98	0.740	5
SPE-M8X20-T	M8	20	4.0	5.0	5.98	0.950	5
SPE-M8X25-T	M8	25	4.0	5.0	5.98	1.200	5
SPE-M8X30-T	M8	30	4.0	5.0	5.98	1.500	5

Material

PEEK (Polyetheretherketone), light brown. †PEEK is a registered trademark of Vitre™.

Heat Resistance Temperature: 180°C. This is the value for the plastic material. The maximum operating temperature of the product changes with performance conditions such as tightening torque.

*Numerical values listed above are for reference only; they are not guaranteed under performance conditions. The recommended torque is 50% of the numerical values.

Precautions for Use

Because a cumulative pitch difference is created when PEEK screws are manufactured, use these screws with nuts. If a nut is not used, use a 20 mm or less fit with female thread.

Features

- PEEK is a thermoplastic super-engineering plastic with excellent physical and chemical properties.
- These screws have excellent chemical resistance. They are mostly unaffected by chemicals excluding concentrated sulfuric, nitric and hydrofluoric acid.
- These screws have excellent heat resistance, water resistance, and high heat resistance strength.
- These screws have excellent abrasion, shock, and fatigue resistance.
- They have high incombustibility that meets V-0 of UL 94.

Applications

FPD production equipment, semiconductor devices, PCB etching devices, metallic surface treatment equipment and facilities, chemical plants, transformers, electrical and electronic equipment, hot water pumps, and chemical pumps.

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