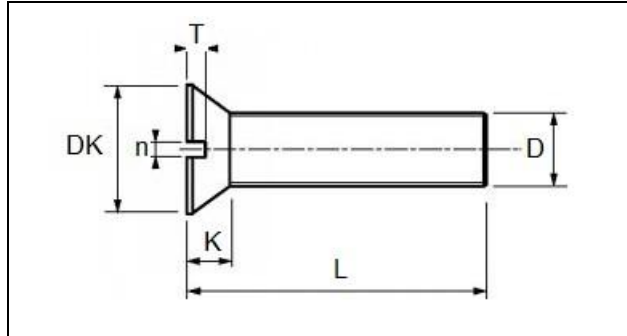




Product Dimensions and Weights

DIN 963 ISO 2009 Specifications

Metric DIN 963 Slotted Flat Countersunk Head Machine Screws



Thread D		M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20
P		0.25	0.25	0.3	0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2.5
A	max.	0.5	0.5	0.6	0.7	0.8	0.9	1	1.4	1.6	2	2.5	3	3.5	4	5
B	min.	full thread			15	16	18	19	22	25	28	34	40	46	58	70
DK	nominal	1.9	2.3	2.6	3	3.8	4.7	5.6	7.5	9.2	11	14.5	18	22	29	36
	max.	1.76	2.06	2.46	2.86	3.5	4.4	5.3	7.14	8.9	10.6	14.1	17.6	21.5	28.5	35.4
K	max.	0.6	0.72	0.86	0.96	1.2	1.5	1.65	2.2	2.5	3	4	5	6	8	10
n	nominal	0.25	0.3	0.3	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.5	3	4	5
	max.	0.31	0.36	0.36	0.46	0.56	0.66	0.86	1.06	1.26	1.66	2.06	2.56	3.06	4.07	5.07
	min.	0.45	0.5	0.5	0.6	0.7	0.8	1	1.2	1.51	1.91	2.31	2.81	3.31	4.37	5.37
r	max.	0.1	0.12	0.14	0.16	0.2	0.25	0.3	0.4	0.5	0.6	0.8	1	1.2	1.6	2
T	min.	0.2	0.25	0.28	0.32	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.4	3.2	4
	max.	0.3	0.35	0.4	0.45	0.6	0.7	0.85	1.1	1.3	1.6	2.1	2.6	3	4	5
X	max.	-	-	-	0.9	1	1.1	1.25	1.75	2	2.5	3.2	3.8	4.4	5	6.3

All measurements are in mm



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Metric DIN 963 are slotted drive flat countersunk head machine screws. Metric machine screws are designed for metal to metal applications requiring a pre-drilled hole and a mating metric nut for the screw to thread into. These screws are usually fully threaded with machine threads and blunt point. The recommended pre-drilled hole sizes vary depending on the diameter of the screw to be used but should be slightly larger in diameter than the major (maximum) thread diameter. These screws are available in zinc plated steel as well as stainless steel A2 and A4. Metric flat countersunk heads have a flat top surface and a cone-shaped bearing surface with a head angle of approximately 90°. They are used for applications where the head must be flush with the mating surface of the substrate. Unique Fasteners offers over 500.000 unique fastener products from stock in inch and metric standard in a variety of materials and finishes. The following sizes of metric DIN 963 slotted drive flat countersunk head machine screws are available for immediate shipping from stock: Diameters ranging from M1 to M20 up to 100mm long in zinc plated steel and stainless steel A2 and A4.

DIN (**D**eutsches **I**nstitut für **N**ormung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as metric DIN 963 slotted drive flat countersunk head machine screws. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization. The ISO equivalent of a metric DIN 963 slotted drive flat countersunk head machine screws is ISO 2009.