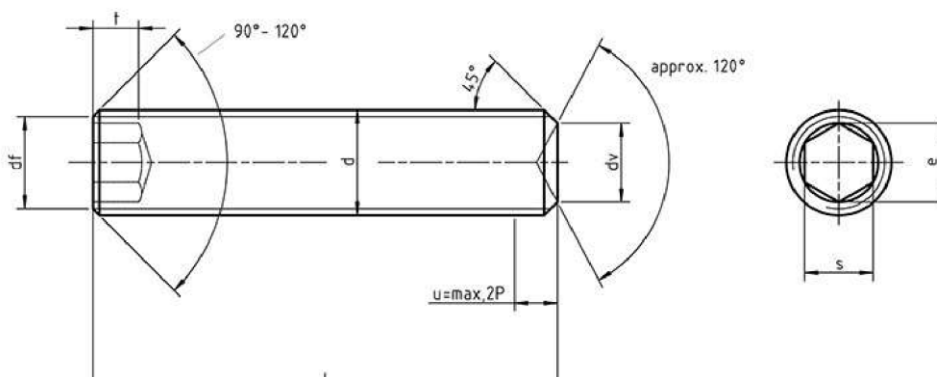




Product Dimensions, Standards and Weights

DIN 916 / ISO 4029 Technical Specifications

Metric DIN 916 Hexagon Socket Set Screws with Cup Point



Dimensions of Metric DIN 916 hexagon socket set screws with cup point

Thread d		M1,4	M1,6	M2	M2,5	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
P		0.3	0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2.5	3
dv	max.	0.7	0.8	1	1.2	1.4	2	2.5	3	5	6	8	10	14	16
	min.	0.45	0.55	0.75	0.95	1.15	1.75	2.25	2.75	4.7	5.7	7.64	9.64	13.57	15.57
df	approx.	Lower limit of minor thread diameter													
e	min.	0.8	0.803	1,003	1,427	1.73	2.3	2.87	3.44	4.58	5.72	6.86	9.15	11.43	13.72
s	nominal	0.7	0.7	0.9	1.3	1.5	2	2.5	3	4	5	6	8	10	12
	min.	0.71	0.711	0.89	1.27	1.52	2.02	2.52	3.02	4.02	5.02	6.02	8,025	10,025	12,032
	max.	0.72	0.724	0.9	1,295	1,545	2,045	2.56	3.08	4,095	5,095	6,095	8,115	10,115	12,142
t	min.	0.6	0.7	0.8	1.2	1.2	1.5	2	2	3	4	4.5	6.4	8	10
	min.	1.4	1.5	1.7	2	2	2.5	3	3.5	5	6	8	10	12	15



Weights of Metric DIN 916 hexagon socket set screws with cup point

Thread d			M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
P			0.3	0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2.5	3
I			Weight (7.85kg/dm ³) kg/1000pcs													
Nominal	min.	max.														
2.5	2.3	2.7	0.018	0.019												
3	2.8	3.2	0.022	0.028	0.044	0.075										
4	3.76	4.24	0.029	0.037	0.059	0.1	0.14									
5	4.76	5.24	0.036	0.046	0.074	0.125	0.18	0.255	0.42							
6	5.76	6.24	0.043	0.056	0.089	0.15	0.22	0.38	0.54	0.74						
8	7.71	8.29			0.119	0.199	0.31	0.53	0.78	1.09	1.88					
10	9.71	10.29			0.148	0.249	0.4	0.68	1.02	1.44	2.51					
12	11.65	12.35					0.49	0.83	1.26	1.79	3.14	4.73				
16	15.65	16.35					0.67	1.13	1.74	2.49	4.4	6.73	9.5			
20	19.58	20.42					0.85	1.43	1.22	3.19	5.66	8.71	12.3	20.9		
25	24.58	25.42							2.82	4.07	7.25	11.2	15.9	27.4	41.4	
30	29.58	30.42								4.95	8.84	13.7	19.5	34	51.7	70.3
35	34.5	35.5								5.83	10.4	16.2	23.1	40.5	62	85.3
40	39.5	40.5									12	18.7	26.7	47.1	72.3	100
45	44.5	45.5													82.6	115
50	49.5	50.5													92.9	130
55	54.4	55.6														145
60	59.4	60.6														160

Metric DIN 916 hexagon socket set screws with cup point are headless and fully threaded screws with an internal hexagonal drive at one end and a cup-shaped (concave) surface at the other. They are to be inserted through pre-drilled aligned holes which permit tightening against an opposing shaft. This type of set screw is best used with a shaft made of softer material as the concave surface grips well and resists movement well. Unique Fasteners offers one of the most complete ranges of metric set screws and other inch and metric industrial fasteners for immediate delivery from stock. The following sizes of DIN 916 hexagon socket set screws with cup point are available for immediate shipping from stock: Diameters ranging from M1 to M24 with lengths up to 90mm in steel and stainless steel A2 and A4.