

Socket Head Cap Screw Chart — head, hex key & counterbore

Head diameter, head height, hex key (socket across flats), and counterbore per ASME B18.3 (inch) and ISO 4762 (metric).

Inch (ASME B18.3)

SIZE	HEAD Ø	HEAD HEIGHT	HEX KEY	COUNTERBORE
#1	0.118"	0.073"	1/16"	5/32"
#2	0.140"	0.086"	5/64"	3/16"
#3	0.161"	0.099"	5/64"	7/32"
#4	0.183"	0.112"	3/32"	7/32"
#5	0.205"	0.125"	3/32"	1/4"
#6	0.226"	0.138"	7/64"	9/32"
#8	0.270"	0.164"	9/64"	5/16"
#10	0.312"	0.190"	5/32"	3/8"
1/4	0.375"	0.250"	3/16"	7/16"
5/16	0.469"	0.313"	1/4"	17/32"
3/8	0.562"	0.375"	5/16"	5/8"
7/16	0.656"	0.438"	3/8"	23/32"
1/2	0.750"	0.500"	3/8"	13/16"
5/8	0.938"	0.625"	1/2"	1"
3/4	1.125"	0.750"	5/8"	1-3/16"
7/8	1.312"	0.875"	3/4"	1-3/8"
1	1.500"	1.000"	3/4"	1-5/8"
#0	0.096"	0.060"	0.050"	1/8"

Metric (ISO 4762) — mm

SIZE	HEAD Ø	HEAD HEIGHT	HEX KEY	COUNTERBORE
M3	5.5	3	2.5	6.5
M4	7	4	3	8
M5	8.5	5	4	10
M6	10	6	5	11
M8	13	8	6	15
M10	16	10	8	18
M12	18	12	10	20
M14	21	14	12	—
M16	24	16	14	26
M20	30	20	17	33
M24	36	24	19	40