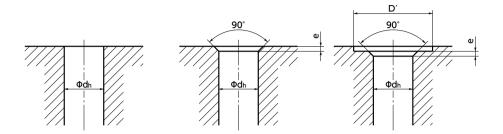
Excerpt from JIS B 1001:1985

Dimensions of bolt hole diameter and bore diameter



Unit: mm

						Unit: mr
Nominal diameter of thread	Bolt hole diameter dh				Chamfering e	Bore diameter D'
	Grade 1	Grade 2	Grade 3	Grade 4*	Chairnering e	bore diameter D
2	2.2	2.4	2.6	-	0.3	7
3	3.2	3.4	3.6	-	0.3	9
4	4.3	4.5	4.8	(5.5)	0.4	11
5	5.3	5.5	5.8	(6.5)	0.4	13
6	6.4	6.6	7	(7.8)	0.4	15
8	8.4	9	10	(10)	0.6	20
10	10.5	11	12	(13)	0.6	24
12	13	13.5	14.5	(15)	1.1	28
14	15	15.5	16.5	(17)	1.1	32
16	17	17.5	18.5	(20)	1.1	35
18	19	20	21	(22)	1.1	39
20	21	22	24	(25)	1.2	43
22	23	24	26	(27)	1.2	46
24	25	26	28	(29)	1.2	50

^{*} Grade 4 primarily applies to cast holes.

Remarks: 1. Among the nominal diameter and bolt hole diameter of screws specified in this table, dimensions in parentheses are those not specified in ISO 273

- 2. Perform hole chamfering as necessary and the chamfer angle shall be 90 degrees in principle.
- 3. If diameter larger or smaller than the bore diameter in this table is required for nominal diameter of a certain screw, it is recommended to select values from bore diameter row in this table as long as possible.
- 4. The bore face should be perpendicular to the center line of the hole and generally bore depth should be adjusted so that the block scale can be removed.