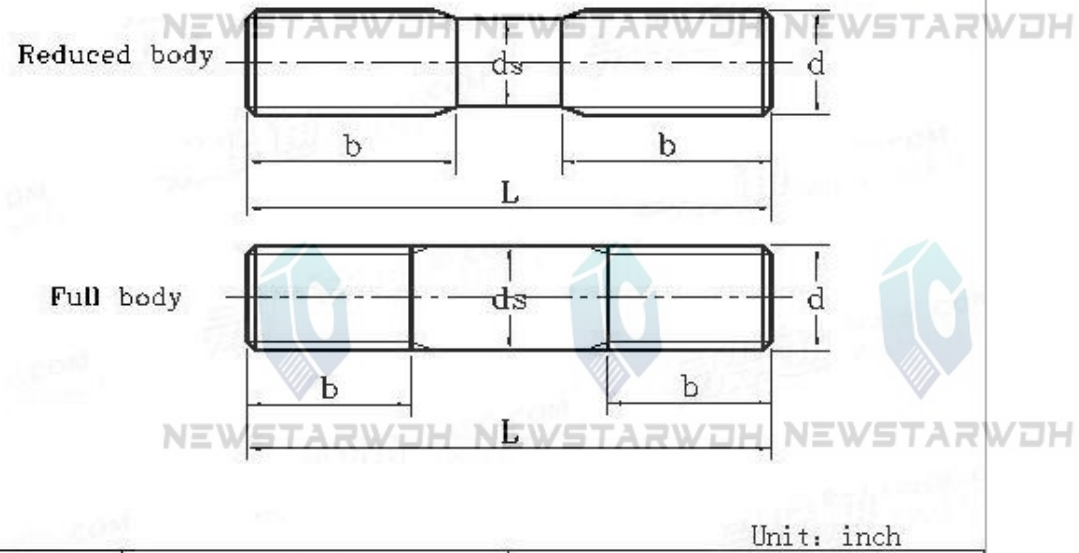


ANSI/ASME B 18.31.2



d		Unit: inch					
		Pitch			b		
		UNC	UNF	8UN	L ≤ 10	10 < L ≤ 16	L > 16
1/4	0.25	20	28	/	0.75	1	1.5
5/16	0.3125	18	24	/	0.875	1.125	1.625
3/8	0.375	16	24	/	1	1.25	1.75
7/16	0.4375	14	20	/	1.125	1.375	1.875
1/2	0.5	13	20	/	1.25	1.5	2
9/16	0.5625	12	18	/	1.375	1.625	2.125
5/8	0.625	11	18	/	1.5	1.75	2.25
3/4	0.75	10	16	/	1.75	2	2.5
7/8	0.875	9	14	/	2	2.25	2.75
1	1	8	12	8	2.25	2.5	3
1-1/8	1.125	7	12	8	2.5	2.75	3.25
1-1/4	1.25	7	12	8	2.75	3	3.5
1-3/8	1.375	6	12	8	3	3.25	3.75
1-1/2	1.5	6	12	8	3.25	3.5	4
1-5/8	1.625	/	/	8	3.5	3.75	4.25
1-3/7	1.75	5	/	8	3.75	4	4.5
1-7/8	1.875	/	/	8	4	4.25	4.75
2	2	4-1/2	/	8	4.25	4.5	5
2-1/4	2.25	4-1/2	/	8	4.75	5	5.5
2-1/2	2.5	4	/	8	5.25	5.5	6
2-3/4	2.75	4	/	8	5.75	6	6.5
3	3	4	/	8	/	6.5	7
3-1/4	3.25	4	/	8	/	7	7.5
3-1/2	3.5	4	/	8	/	7.5	8
3-3/4	3.75	4	/	8	/	8	8.5
4	4	4	/	8	/	8.5	9

# DIN 938

Screw Thread d		M3	M4	M5	M6	(M7)	M8	M10	M12	(M14)	M16	(M18)	M20
P	Pitch	0.5	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5
	Pitch	-	-	-	-	-	1	1.25	1.5	1.5	1.5	1.5	1.5
	Pitch	-	-	-	-	-	-	-	1.25	-	-	-	-
<b>b<sub>1</sub></b>		3	4	5	6	7	8	10	12	14	16	18	20
b	L ≤ 125	12	14	16	18	20	22	26	30	34	38	42	46
	125 < L ≤ 200	18	20	22	24	26	28	32	36	40	44	48	52
	L > 200	-	-	-	-	-	-	45	49	53	57	61	65
Weight of per 1000 steel products(≈kg)		-	-	-	-	-	-	-	-	-	-	-	-
Screw Thread d		(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	(M52)	
P	Pitch	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5	5	
	Pitch	1.5	2	2	2	2	3	3	3	3	3	3	
	Pitch	-	-	-	-	-	-	-	-	-	-	-	
<b>b<sub>1</sub></b>		22	24	25	30	32	35	38	42	45	48	52	
b	L ≤ 125	50	54	60	66	72	78	84	90	96	102	110	
	125 < L ≤ 200	56	60	66	72	78	84	90	96	102	108	116	
	L > 200	69	73	79	85	91	97	103	109	115	121	129	
Weight of per 1000 steel products(≈kg)		-	-	-	-	-	-	-	-	-	-	-	

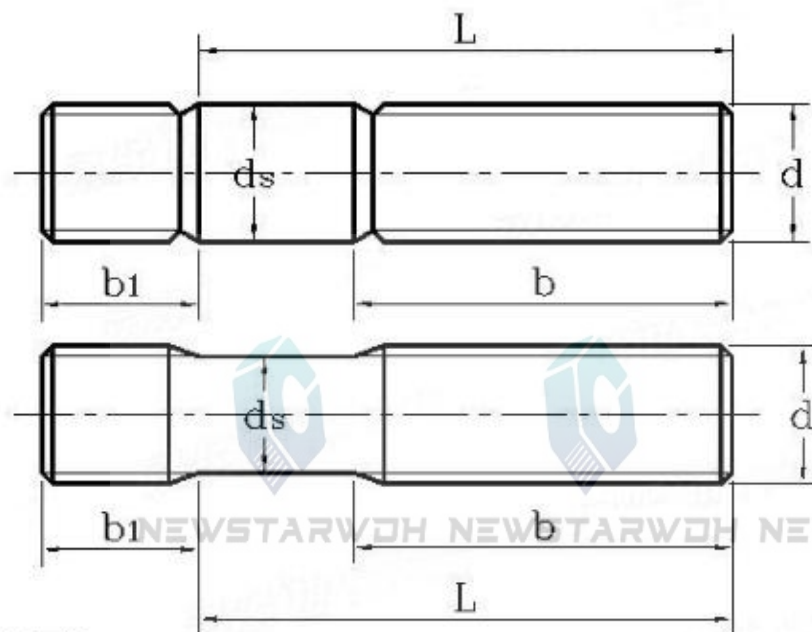
# DIN 939

Screw Thread d		M4	M5	M6	(M7)	M8	M10	M12	(M14)	M16	(M18)	M20
<b>P</b>	Pitch	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5
	Fine thread	/	/	/	/	1	1.25	1.5	1.5	1.5	1.5	1.5
	Very fine thread	/	/	/	/	/	/	1.25	/	/	/	/
<b>b<sub>1</sub></b>		5	6.5	7.5	9	10	12	15	18	20	22	25
<b>b</b>	L ≤ 125	14	16	18	20	22	26	30	34	38	42	46
	125 < L ≤ 200	20	22	24	26	28	32	36	40	44	48	52
	L > 200	/	/	/	/	/	45	49	53	57	61	65
Weight of per 1000 steel products(≈kg)		-	-	-	-	-	-	-	-	-	-	-
Screw Thread d		(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	(M52)
<b>P</b>	Pitch	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5	5
	Fine thread	1.5	2	2	2	2	2	2	2	3	3	3
	Very fine thread	/	/	/	/	/	/	/	/	/	/	/
<b>b<sub>1</sub></b>		28	30	35	38	42	45	50	52	58	60	65
<b>b</b>	L ≤ 125	50	54	60	66	72	78	84	90	96	102	110
	125 < L ≤ 200	56	60	66	72	78	84	90	96	102	108	116
	L > 200	69	73	79	85	91	97	103	109	115	121	129
Weight of per 1000 steel products(≈kg)		-	-	-	-	-	-	-	-	-	-	-

## DIN 940

Unit: mm

d		M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22	M24
P	Thread	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3
	Fine thread	/	/	/	/	1	1.25	1.5/1.25	1.5	1.5	1.5	1.5	1.5	2
ds	max	4	5	6	7	8	10	12	14	16	18	20	22	24
	min	3.82	4.82	5.82	8.78	7.78	9.78	11.73	13.73	15.73	17.73	19.67	21.67	23.67
b1		10	13	15	18	20	25	30	35	40	45	50	55	60
b	L ≤ 125	14	16	18	20	22	26	30	34	38	42	46	50	54
	125 < L ≤ 200	20	22	24	26	28	32	36	40	44	48	52	56	60
	L > 200	/	/	/	/	/	45	49	53	57	61	65	69	73



JIS B 1173

单位: mm

公称直径d		4	5	6	8	10	12	14	16	18	20		
螺距P		0.7	0.8	1	1.25	1.25/1.5	1.25/1.75	1.5/2	1.5/2	1.5/2.5	1.5/2.5		
ds	max	4	5	6	8	10	12	14	16	18	20		
	min	3.82	4.82	5.82	7.78	9.78	11.73	13.73	15.73	17.73	19.6		
b	L < 125	min	14	16	18	22	26	30	34	38	42	46	
		max	粗牙	15.4	17.6	20	24.5	29	33.5	38	42	47	51
	细牙		—	—	—	—	28.5	32.5	37	41	45	49	
	L > 125	min	—	—	—	—	—	—	—	—	48	52	
		max	粗牙	—	—	—	—	—	—	—	—	53	57
			细牙	—	—	—	—	—	—	—	—	51	55
b1		Class 1	min	—	—	—	—	12	15	18	20	22	25
	max		—	—	—	—	13.1	16.1	19.1	21.3	23.3	26.3	
	Class 2	min	6	7	8	11	15	18	21	24	27	30	
		max	6.75	7.9	8.9	12.1	16.1	19.1	22.3	25.3	28.3	31.6	
	Class 3	min	8	10	12	16	20	24	28	32	36	40	
		max	8.9	10.9	13.1	17.1	21.3	25.3	29.3	33.6	37.6	41.6	

