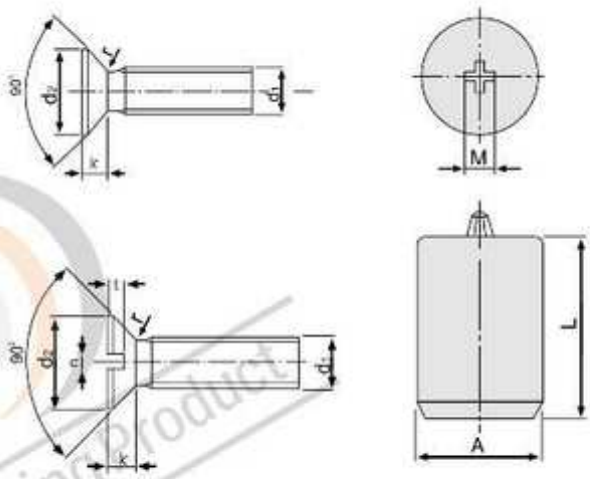
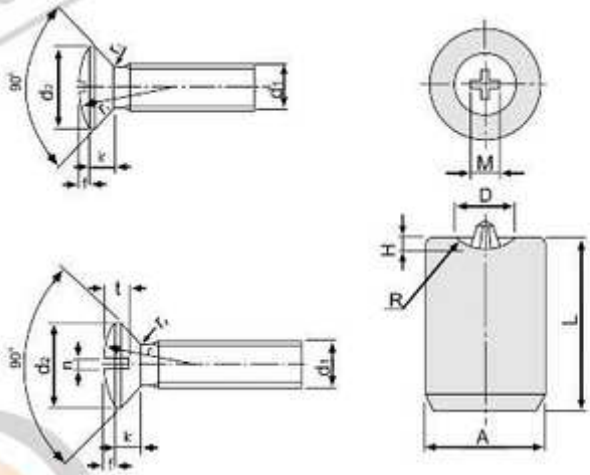
DMF (DIN FLAT HEAD MACHINE SCREW) <DIN 965>

d1		M2.5	M3	(M3.5)	M4	M5	M6	M8	
d2		4.7	5.6	6.5	7.5	9.2	11	14.5	18
		+0~-0.3			+0~-0.36			+0~-0.43	
k		1.5	1.65	1.93	2.2	2.5	3	4	5
r		0.7	0.8	0.95	1	1.3	1.6	2	2.5
PUNCH.		1			2		3	4	
m		2.7	2.9	3.9	4.4	4.6	6.6	8.7	9.6
Q	min.	1.25	1.5	1.4	1.9	2.1	2.8	3.9	4.8
	max.	1.55	1.8	1.9	2.4	2.6	3.3	4.4	5.3
n		0.6	0.8	0.8	1	1.2	1.6	2	2.5
r	max.	0.25	0.3	0.35	0.4	0.5	0.6	0.8	1
t	min.	0.5	0.6	0.7	0.8	1	1.2	1.6	2
	max.	0.7	0.85	1	1.1	1.3	1.6	2.1	2.6
⊕ PUNCH CODE		DMF M2.5	DMF M3.0	DMF M3.5	DMF M4.0	DMF M5.0	DMF M6.0	DMF M8.08	DMF M10.0



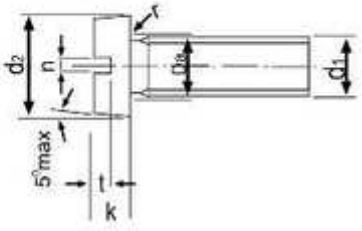
DMO (DIN OVAL HEAD MACHINE SCREW) <DIN 966>

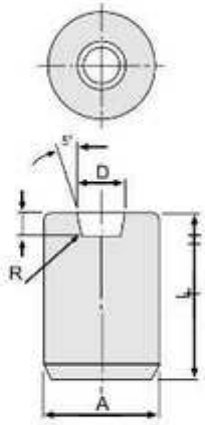
d1		M2.5	M3	(M3.5)	M4	M5	M6	M8	M10
d2		4.7	5.6	6.5	7.5	9.2	11	14.5	18
		+0~-0.3			+0~-0.36			+0~-0.43	
f		0.6	0.75	0.9	1	1.25	1.5	2	2.5
k		1.5	1.65	1.93	2.2	2.5	3	4	5
r1		5	6	7	8	10	12	16	20
r2		0.7	0.8	0.95	1	1.3	1.6	2	2.5
PUNCH.		1			2		3	4	
m		2.7	3.1	4.2	4.5	5.3	6.8	9	10
Q	min.	1.3	1.7	1.74	2.04	2.77	3.03	4.18	5.38
	max.	1.6	2	2.24	2.54	3.27	3.53	4.68	5.88
n		0.6	0.8	0.8	1	1.2	1.6	2	2.5
r2	max.	0.25	0.3	0.35	0.4	0.5	0.6	0.8	1
t	min.	1	1.2	1.4	1.6	2	2.4	3.2	4
	max.	1.2	1.45	1.7	1.9	2.3	2.8	3.7	4.6
⊕ PUNCH CODE		DMO M2.5	DMO M3.0	DMO M3.5	DMO M4.0	DMO M5.0	DMO M6.0	DMO M8.0	DMO M10.0



DMC (DIN CHEESE HEAD MACHINE SCREW) <DIN 84>

d1		M 2	(M2.3)	M2.5	(M2.6)	M 3	(M 3.5)	M4	M 5	M 6	M8	M 10
d2		3.8	4.4	4.5	5	5.5	6	7	8.5	10	13	16
		+0 ~-0.18							+0 ~-0.22		+0 ~-0.27	
k		1.3	1.5	1.6	1.7	2	2.4	2.6	3.3	3.9	5	6
		+0 ~-0.14							+0 ~-0.18			
n		0.5	0.6	0.6	0.6	0.8	0.8	1	1.2	1.6	2	2.5
t	min.	0.6	0.7	0.7	0.8	0.9	1.1	1.2	1.5	1.8	2.1	2.4
	max	0.8	0.9	0.9	1	1.15	1.4	1.5	1.8	2.2	2.6	3
PUNCH CODE		DMC M2.0	DMC M2.3	DMC M2.5	DMC M2.6	DMC M3.0	DMC M3.5	DMC M4.0	DMC M5.0	DMC M6.0	DMC M8.0	DMC M10.0

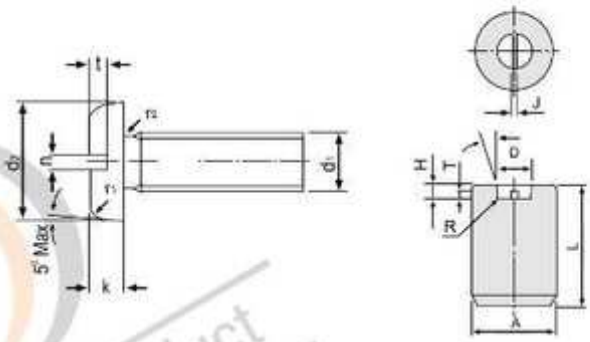




W/O SLOTTED

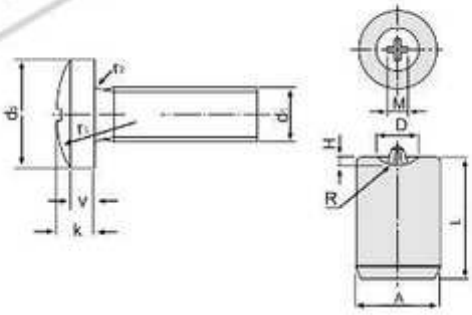
DMP (DIN PAN HEAD MACHINE SCREW) <DIN 85>

d1		M 3	(M 3.5)	M4	M 5	M 6	M8	M 10
d2		6	7	8	10	12	16	20
		+0 ~-0.18	+0 ~-0.22			+0 ~-0.27		+0 ~-0.33
k		1.8	2.1	2.4	3	3.6	4.8	6
		±0.125				±0.15		
n		1.2	1.4	1.6	2	2.4	3.2	4
R1	max	0.8	0.8	1	1.2	1.6	2	2.5
	min.	0.6	0.7	0.8	1	1.2	1.6	2
t	min.	0.7	0.8	1	1.2	1.5	1.9	2.4
	max	0.95	1.1	1.3	1.5	1.9	2.4	3
⊖ PUNCH CODE		DMP M3.0	DMP M3.5	DMP M4.0	DMP M5.0	DMP M6.0	DMP M8.0	DMP M10.0



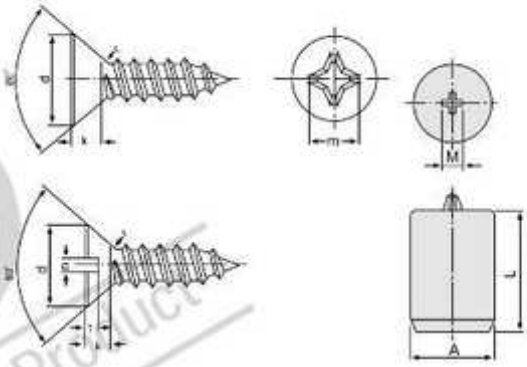
DML (DIN FILLISTER HEAD MACHINE SCREW) <DIN 7985>

d1		M 2	M2.5	M 3	(M 3.5)	M4	M 5	M 6	M8	M 10
d2		4	5	6	7	8	10	12	16	20
		+0 ~-0.18				+0 ~-0.22		+0 ~-0.27		+0 ~-0.33
k		1.6	2	2.4	2.7	3.1	3.8	4.6	6	7.5
		+0.125				+0.15				±0.18
r1		4	5	6	7	8	10	12	16	20
v		1.1	1.3	1.6	1.9	2	2.5	3	3.7	4.8
	PUNCH	1				2		3		4
	m	2.5	2.7	3.1	4.2	4.6	5.3	6.8	9	10.2
	min	1.1	1.3	1.7	1.74	2.04	2.77	3.03	4.18	5.36
Q	max	1.4	1.6	2	2.24	2.54	3.27	3.53	4.68	5.88
⊕ PUNCH CODE		DMLM2	DMLM2.5	DMLM3	DMLM3.5	DMLM4	DMLM5	DMLM6	DMLM8	DMLM10



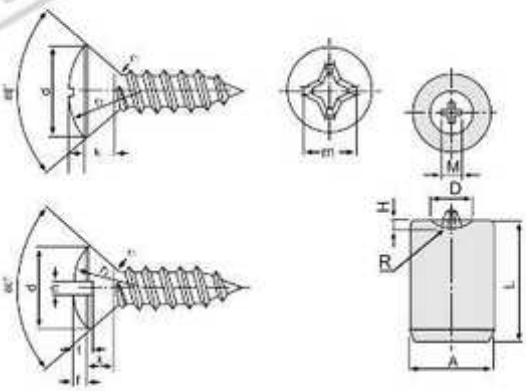
DTF (DIN FLAT HEAD MACHINE SCREW) <DIN 7982>

SIZE		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
d		4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
k		1.3	1.7	2.1	2.3	2.5	3	3.4	3.8
r	max	0.8	1.1	1.4	1.5	1.6	1.9	2.1	2.4
Q	PUNCH	1		2				3	
	m	2.5	3	4.2	4.6	4.7	5.1	6.8	7.1
	min.	1.02	1.4	1.62	2.03	2.11	2.59	2.95	3.33
	max.	1.32	1.7	2.12	2.53	2.62	3.1	3.53	3.91
N		0.6	0.8	1	1	1.2	1.2	1.6	1.60
		+0.06~+0.2				+0.06~+0.31			
r	max	0.8	1.1	1.4	1.5	1.6	1.9	2.1	2.4
t	min	0.4	0.5	0.6	0.7	0.75	0.85	1	1.2
	max	0.6	0.75	0.95	1.05	1.15	1.35	1.5	1.75
⊕ PUNCH CODE		DTF2.2	DTF2.9	DTF3.5	DTF3.9	DTF4.2	DTF4.8	DTF5.5	DTF6.3



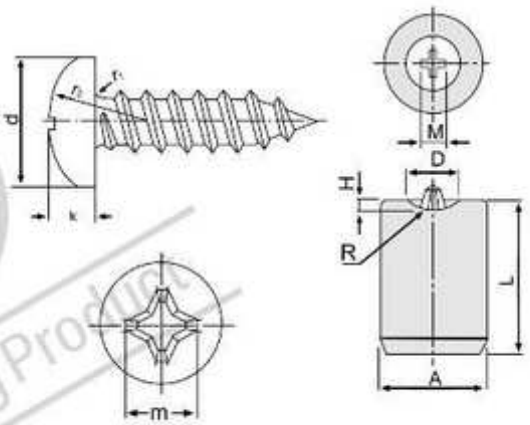
DTO (DIN OVAL HEAD MACHINE SCREW) <DIN 7983>

SIZE		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
d		4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
f		0.7	0.9	1.2	1.3	1.4	1.5	1.7	2
k		1.3	1.7	2.1	2.3	2.5	3	3.4	3.8
r1	max.	0.8	1.1	1.4	1.5	1.6	1.9	2.1	2.4
r2		3.8	4.6	5.4	6	6.6	8.2	9.4	11.1
	PUNCH	1		2				3	
m		2.8	3.4	4.6	4.7	4.9	5.4	7	7.4
Q	min.	1.17	1.81	1.89	2.04	2.24	2.7	3.02	3.46
	max.	1.57	2.21	2.39	2.54	2.74	3.2	3.53	3.96
n		0.6	0.8	1	1	1.2	1.2	1.6	1.6
		+0.06~+0.2				+0.06~+0.31			
t	min	0.95	1.25	1.55	1.7	1.85	2.15	2.45	2.85
	max	1.15	1.5	1.9	2.05	2.25	2.6	2.95	3.45
⊕ PUNCH CODE		DTO2.2	DTO2.9	DTO3.5	DTO3.9	DTO4.2	DTO4.8	DTO5.5	DTO6.3



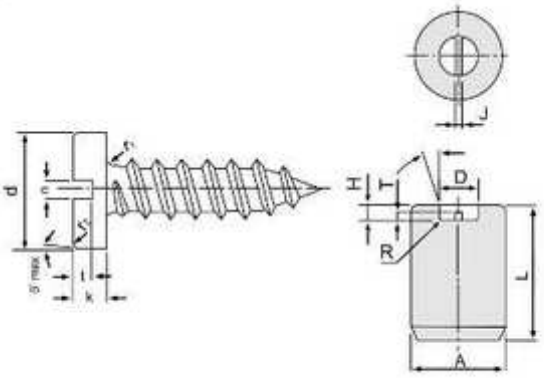
DTP (DIN PAN HEAD TAPPING SCREW) <DIN 7981>

SIZE		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
d		4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
		+0~-0.3			+0~-0.36			+0~-0.43	
K	max.	1.8	2.2	2.6	2.8	3.05	3.55	3.95	4.55
	min.	1.55	1.95	2.35	2.55	2.75	3.25	3.65	4.25
r1	max.	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
r2	min.	3.4	4.4	5.4	5.8	6.2	7.2	8.2	9.5
PUNCH		1			2			3	
m		2.6	3	4.2	4.4	4.6	5	6.5	7.1
Q	min.	0.86	1.35	1.4	1.63	1.8	2.26	2.49	3
	max.	1.32	1.8	2.03	2.26	2.46	2.87	3.15	3.66
⊕PUNCH CODE		DTP2.2	DTP2.9	DTP3.5	DTP3.9	DTP4.2	DTP4.8	DTP5.5	DTP6.3



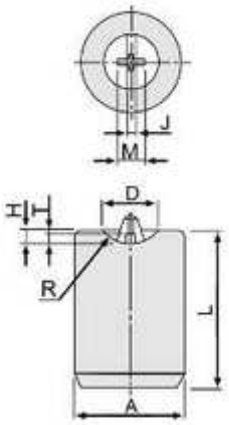
DTP (DIN PAN HEAD TAPPING SCREW) <DIN 7971>

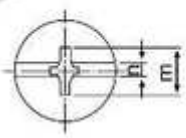
SIZE		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
d		4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
		+0~-0.3			+0~-0.36			+0~-0.43	
K	max.	1.35	1.75	2.1	2.25	2.45	2.8	3.2	3.65
	min.	1.15	1.5	1.85	2	2.15	2.5	2.85	3.3
n		0.6	0.8	1	1	1.2	1.2	1.6	1.6
		+0.06~+0.2				+0.06~+0.31			
r1	max.	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
r2		0.9	1	1.2	1.3	1.3	1.6	2	2.2
t	min.	0.55	0.75	0.95	1.05	1.15	1.35	1.55	1.8
	max.	0.8	1	1.25	1.4	1.5	1.7	1.95	2.2
⊖PUNCH CODE		DTP2.2	DTP2.9	DTP3.5	DTP3.9	DTP4.2	DTP4.8	DTP5.5	DTP6.3

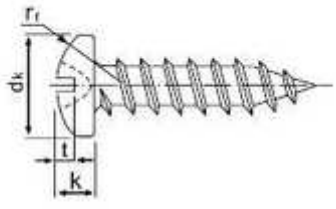


DTP <LCM> (DIN PAN HEAD TAPPING SCREW) <DIN 7981+DIN 7971>

SIZE		ST2.2	ST2.9	ST3.5	ST(3.9)	ST4.2	ST4.8	ST(5.5)	ST6.3
dk	max	4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
	min.	3.90	5.30	6.54	7.14	7.84	9.14	10.37	12.07
K		1.80	2.20	2.60	2.80	3.05	3.55	3.95	4.55
		1.55	1.95	2.35	2.55	2.75	3.25	3.65	4.25
rf		3.4	4.4	5.4	5.8	6.2	7.2	8.2	9.5
n	max.	0.80	1.00	1.20	1.20	1.51	1.51	1.91	1.91
	min.	0.66	0.86	1.06	1.06	1.26	1.26	1.66	1.66
t	max	0.80	1.00	1.25	1.40	1.50	1.70	1.95	2.20
	min.	0.55	0.75	0.95	1.05	1.15	1.35	1.55	1.80
punch		1			2			3	
m		2.6	3.0	4.2	4.4	4.6	5.0	6.5	7.1
Q	max.	1.32	1.80	2.03	2.26	2.46	2.87	3.15	3.66
	min.	0.86	1.35	1.40	1.63	1.80	2.26	2.49	3.00
PUNCH CODE		DTP2.2	DTP2.9	DTP3.5	DTP3.9	DTP4.2	DTP4.8	DTP5.5	DTP6.3



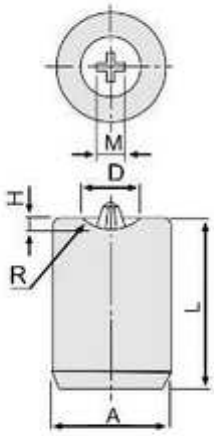




Chanakya Engineering Product

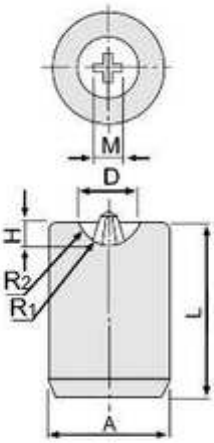
DWO (DIN OVAL HEAD TAPPING SCREW) <DIN 7995>

d1	(2)	2.5	(3)	3.5	4	4.5	5	5.5	6	7	8
d2	3.8	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11	12.5	14.5
	±0.375			±0.45				±0.55			
r	0.5	0.6	0.75	0.9	1	1.1	1.25	1.4	1.5	1.75	2
k max	1.2	1.5	1.65	1.93	2.2	2.35	2.5	2.75	3	3.5	4
r	4	5	6	7	8	9	10	11	12	14	16
PUNCH		1			2				3		4
m.		2.7	3.1	4.2	4.5	5.0	5.3	7.1	7.40	8.3	9.9
Q min.		1.3	1.7	1.74	2.04	2.55	2.77	3.31	3.66	4.52	5.03
max.		1.6	2.0	2.24	2.54	3.05	3.27	3.81	4.16	5.02	5.53
n	0.5	0.6	0.8	0.8	1	1	1.2	1.2	1.6	2	2
	+0.20~+0.06							+0.31~+0.06			
t min.	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.8	3.2
t max.	1	1.2	1.45	1.7	1.9	2.1	2.3	2.5	2.8	3.2	3.7
PUNCH CODE		DWO2.5	DWO3	DWO3.5	DWO 4	DWO4.5	DWO 5	DWO5.5	DWO 6	DWO 7	DWO 8



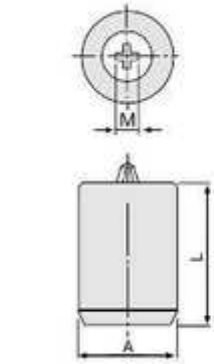
DWR (DIN ROUND HEAD TAPPING SCREW) <DIN 7996>

d1	(2)	2.5	(3)	3.5	4	4.5	5	5.5	6	7	8
d2	4	5	6	7	8	9	10	11	12	14	16
	±0.375			±0.45			±0.55				
da	2.8	3.3	3.8	4.3	5	5.5	6	6.6	7.2	8.2	10.2
	+0.2					+0.24					
k	1.4	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2	4.9	5.6
r1	3.2	4	4.8	5.6	6.4	7.2	8	8.8	9.6	11.2	12.8
r2	1.6	2	2.4	2.8	3.2	3.6	4	4.4	4.8	5.6	6.4
PUNCH	0								3		4
m.		2.3	2.7	3.7	4.1	4.4	4.8	6.2	6.6	7.3	8.8
Q min.		0.85	1.3	1.22	1.62	1.88	2.28	2.42	2.82	3.52	3.93
Q max.		1.15	1.6	1.72	2.12	2.38	2.78	2.92	3.32	4.02	4.43
n	0.5	0.6	0.8	0.8	1	1	1.2	1.2	1.6	2	2
	+0.20~+0.06						+0.31~+0.06				
t min.	0.75	0.85	1.05	1.2	1.4	1.55	1.75	1.9	2.1	2.45	2.8
t max.	0.9	1.1	1.35	1.6	1.8	2	2.3	2.5	2.7	3.2	3.6
PUNCH CODE		DWR2.5	DWR3	DWR3.5	DWR 4	DWR4.5	DWR 5	DWR5.5	DWR 6	DWR 7	DWR 8



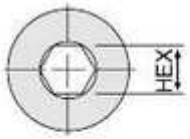
DWF (DIN FLAT HEAD TAPPING SCREW) <DIN 7997>

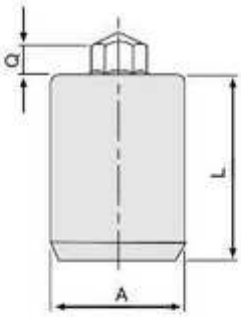
d1	(2)	2.5	(3)	3.5	4	4.5	5	5.5	6	7	8
d2	3.8	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11	12.5	14.5
	±0.375			±0.45			±0.55				
k max	1.2	1.5	1.65	1.93	2.2	2.35	2.5	2.75	3	3.5	4
PUNCH		1			2				3		4
m.		2.7	2.9	3.9	4.4	4.6	4.8	6.2	6.6	6.8	8.7
Q min.		1.25	1.5	1.4	1.9	2.1	2.29	2.31	2.8	2.95	3.9
Q max.		1.55	1.8	1.9	2.4	2.6	2.79	2.81	3.3	3.53	4.4
n	0.5	0.6	0.8	0.8	1	1	1.2	1.2	1.6	2	2
	+0.20~+0.06						+0.31~+0.06				
t min.	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.4	1.6
t max.	0.6	0.7	0.85	1	1.1	1.2	1.3	1.4	1.6	1.9	2.1
PUNCH CODE	DWF2.0	DWF2.5	DWF3.0	DWF3.5	DWF4.0	DWF4.5	DWF5.0	DWF5.5	DWF 6.0	DWF7.0	DWF8.0

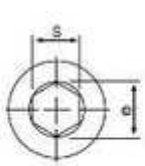


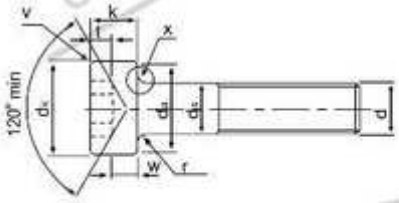
DIN912 (DIN 912 HEXAGON SOCKET HEAD CAP SCREW) <eqv:DIN 912-1983>

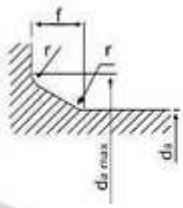
SIZE	d	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12
P		0.3	0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75
dk	max.	2.6	3	3.8	4.5	5.5	7	8.5	10	13	16	18
	max.	2.74	3.14	3.98	4.68	5.68	7.22	8.72	10.22	13.27	16.27	18.27
	min.	2.46	2.86	3.62	4.32	5.32	6.78	8.28	9.78	12.73	15.73	17.73
k	max.	1.4	1.6	2	2.5	3	4	5	6	8	10	12
	min.	1.26	1.46	1.86	2.36	2.86	3.82	4.82	5.7	7.64	9.64	11.57
da	max.	1.8	2	2.6	3.1	3.6	4.7	5.7	6.8	9.2	11.2	13.7
ds	max.	1.4	1.6	2	2.5	3	4	5	6	8	10	12
	min.	1.26	1.46	1.86	2.36	2.86	3.82	4.82	5.82	7.78	9.78	11.73
dw	min.	2.32	2.72	3.48	4.18	5.07	6.53	8.03	9.38	12.33	15.33	17.23
f	min.	0.34	0.34	0.51	0.51	0.51	0.6	0.6	0.68	1.02	1.02	1.87
r	max.	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.25	0.4	0.4	0.6
v	max.	0.14	0.16	0.2	0.25	0.3	0.4	0.5	0.6	0.8	1.0	1.2
		1.3	1.5	1.5	2	2.5	3	4	5	6	8	10
s	max.	1.36	1.56	1.56	2.06	2.58	3.08	4.095	5.14	6.14	8.175	10.175
	min.	1.32	1.52	1.52	2.02	2.52	3.02	4.02	5.02	6.02	8.025	10.025
e	min.	1.5	1.73	1.73	2.3	2.87	3.44	4.58	5.72	6.86	9.15	11.43
t	min.	0.6	0.7	1	1.1	1.3	2	2.5	3	4	5	6
w	min.	0.5	0.55	0.55	0.85	1.15	1.4	1.9	2.3	3	4	4.8
PUNCH CODE		DIN912 M1.4	DIN912 M1.6	DIN912 M2.0	DIN912 M2.5	DIN912 M3.0	DIN912 M4.0	DIN912 M5.0	DIN912 M6.0	DIN912 M8.0	DIN912 M10.0	DIN912 M12.0

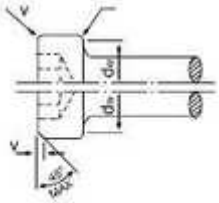






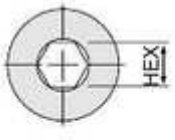


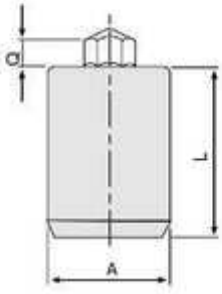


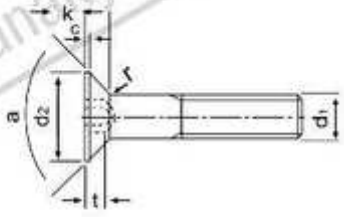


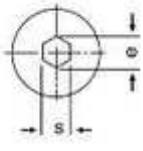
DMF(6H) (DIN FLAT HEX. RECELS SCREW) <DIN 7991>

d1		M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
		---	—	—	—	—	—	—	—	—	—	—	—	
a		90°											60°	
c		0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	1	1
d2		6	8	10	12	16	20	24	27	30	33	36	36	39
e		2.3	2.9	3.5	4.7	5.8	7	9.4	11.7	11.7	13.9	13.9	16.5	16.5
k		1.7	2.3	2.8	3.3	4.4	5.5	6.5	7	7.5	8	8.5	13.1	14
r		0.1	0.2	0.2	0.3	0.5	0.5	1	1	1	1	1	1	1.6
da		2	2.5	3	4	5	6	8	10	10	12	12	14	14
s	min.	2.02	2.52	3.02	4.02	5.02	6.02	8.025	10.025	10.025	12.032	12.032	14.032	14.032
	max	2.10	2.60	3.10	4.12	5.14	6.14	8.175	10.175	10.175	12.212	12.212	14.212	14.212
t		1.2	1.8	2.3	2.5	3.5	4.4	4.6	4.8	5.3	5.5	5.9	6.8	10.3
PUNCH CODE		DMF (6H)M3	DMF (6H)M4	DMF (6H)M5	DMF (6H)M6	DMF (6H)M8	DMF (6H)M10	DMF (6H)M12	DMF (6H)M14	DMF (6H)M16	DMF (6H)M18	DMF (6H)M20	DMF (6H)M22	DMF (6H)M24



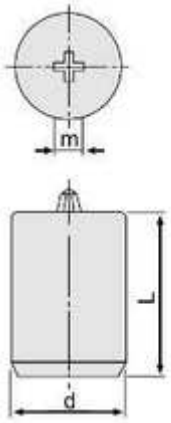


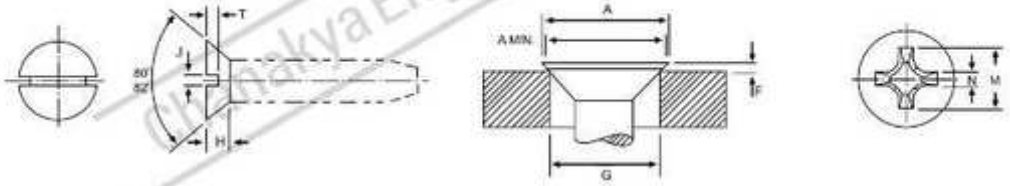




AMF (ANSI FLAT HEAD MACHINE & TAPPING SCREW)

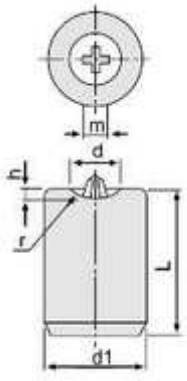
Norminal Size		Max.	Min	Ref.	Max.	Min	Max.	Min	Max.	Min		Max.	Min		Max.	Min	
		A		H	J		T		F		G	M		#	Depth		
0	1.52	3.02	2.51	0.89	0.58	0.41	0.38	0.25	0.66	0.41	1.98	1.75	1.42	0	0.91	0.51	
1	1.85	3.71	3.12	1.09	0.66	0.48	0.48	0.30	0.71	0.41	2.57	1.96	1.63	0	1.12	0.71	
2	2.18	4.37	3.73	1.30	0.79	0.58	0.58	0.38	0.74	0.43	3.15	2.59	2.26	1	1.42	1.02	AMF 2#
3	2.51	5.05	4.34	1.50	.0.89	0.69	0.69	0.43	0.79	0.46	3.76	2.72	2.39	1	1.55	1.14	AMF 3#
4	2.84	5.72	4.95	1.70	0.99	0.79	0.76	0.51	0.81	0.48	4.37	3.25	2.92	1	2.08	1.68	AMF 4#
5	3.18	6.40	5.59	1.90	1.09	0.89	0.86	0.56	0.86	0.51	4.96	3.91	3.58	2	1.90	1.32	AMF 5#
6	3.51	7.09	6.20	2.11	1.22	0.99	0.97	0.61	0.91	0.53	5.59	4.42	4.09	2	2.41	1.83	AMF 6#
7	3.84	7.75	6.81	2.31	1.22	0.99	1.04	0.69	0.94	0.56	6.17	4.62	4.29	2	2.62	2.03	AMF 7#
8	4.17	8.43	7.42	2.54	1.37	1.14	1.14	0.74	0.99	0.58	6.78	4.80	4.47	2	2.79	2.21	AMF 8#
10	4.83	9.78	8.64	2.95	1.52	1.27	1.35	0.86	1.07	0.64	7.95	5.18	4.85	2	3.18	2.59	AMF 10#
12	5.49	11.13	9.88	3.35	1.70	1.42	1.52	0.99	1.14	0.69	9.19	6.81	6.48	3	3.53	2.95	AMF 12#
1/4	6.35	12.88	11.48	3.89	1.90	1.63	1.78	1.17	1.27	0.74	10.77	7.19	6.86	3	3.91	3.33	AMF 1/4
5/16	7.94	16.13	14.43	4.85	2.13	1.83	2.24	1.47	1.45	0.86	13.69	9.27	8.94	4	4.98	4.42	AMF 5/16
3/8	9.53	19.35	17.40	5.84	2.39	2.06	2.69	1.78	1.65	0.99	16.59	9.98	9.65	4	5.72	5.16	AMF 3/8
7/16	11.11	20.62	18.36	5.66	2.39	2.06	2.62	1.68	1.85	1.12	17.53	10.39	10.06	4	6.12	5.56	AMF 7/16
1/2	12.70	22.23	19.68	5.66	2.69	2.31	2.62	1.65	2.06	1.24	18.77	10.77	10.44	4	6.50	5.94	AMF 1/2

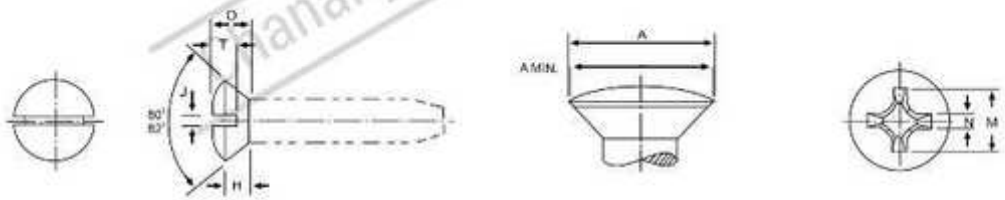




AMO (ANSI OVAL HEAD MACHINE & TAPPING SCREW)

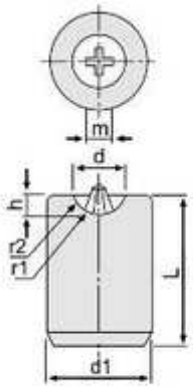
Norminal Size		Max.	Min	Ref.	Max.	Min	Max.	Min	Max.	Min	Max.	Min		Max.	Min	
		A		H	O		J		T		M		#	Depth		
0	1.52	3.02	2.51	0.89	1.42	1.04	0.58	0.41	0.76	0.64	1.88	1.55	0	0.97	0.51	
1	1.85	3.71	3.12	1.09	1.73	1.32	0.66	0.48	0.97	0.79	1.96	1.63	0	1.04	0.58	
2	2.18	4.37	3.73	1.30	2.03	1.60	0.79	0.58	1.14	0.94	2.84	2.51	1	1.57	1.14	AMO 2#
3	2.51	5.05	4.34	1.50	2.34	1.85	0.89	0.69	1.32	1.09	3.15	2.82	1	1.88	1.45	AMO 3#
4	2.84	5.72	4.95	1.70	2.64	2.13	0.99	0.79	1.50	1.24	3.45	3.12	1	2.21	1.78	AMO 4#
5	3.18	6.40	5.59	1.90	2.95	2.41	1.09	0.89	1.70	1.40	4.01	3.68	2	1.88	1.27	AMO 5#
6	3.51	7.09	6.20	2.11	3.25	2.67	1.22	0.99	1.88	1.52	4.52	4.19	2	2.39	1.75	AMO 6#
7	3.84	7.75	6.81	2.31	3.56	2.95	1.22	0.99	2.06	1.68	4.65	4.32	2	2.54	1.90	AMO 7#
8	4.17	8.43	7.42	2.54	3.86	3.20	1.37	1.14	2.24	1.83	4.88	4.55	2	2.74	2.13	AMO 8#
10	4.83	9.78	8.64	2.95	4.47	3.76	1.52	1.27	2.62	2.13	5.31	4.98	2	3.20	2.59	AMO 10#
12	5.49	11.13	9.88	3.35	5.08	4.29	1.70	1.42	2.97	2.44	6.86	6.53	3	3.43	2.82	AMO 12#
1/4	6.35	12.88	11.48	3.89	5.89	5.00	1.90	1.63	3.45	2.84	7.37	704	3	3.96	3.33	AMO 1/4
5/16	7.94	16.13	14.43	4.85	7.37	6.32	2.13	1.83	4.34	3.58	9.91	9.58	4	5.54	4.93	AMO 5/16
3/8	9.53	19.35	17.40	5.84	8.81	7.62	2.39	2.06	5.23	4.32	10.41	10.08	4	6.02	5.41	AMO 3/8
7/16	11.11	20.62	18.36	5.66	8.76	7.49	2.39	2.06	5.33	4.42	10.72	10.39	4	6.32	5.72	AMO 7/16
1/2	12.70	22.23	19.68	5.66	8.99	7.59	2.69	2.31	5.49	4.47	11.10	10.77	4	6.68	6.07	AMO ½

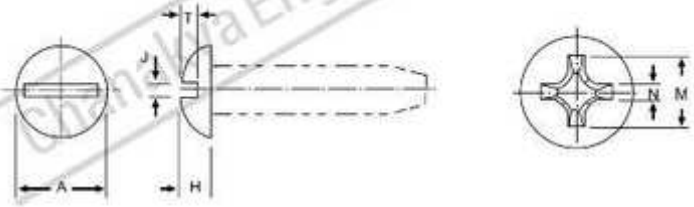




AMR (ANSI ROUND HEAD MACHINE & TAPPING SCREW)

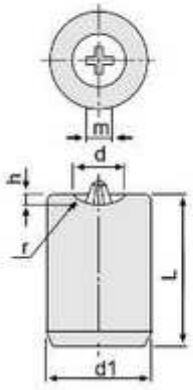
SIZE Nominal		A Max.	A Min.	H Max.	H Min.	J Max.	J Min.	T Max.	T Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
0	1.52	2.87	2.51	1.35	1.09	0.58	0.41	0.99	0.74	1.85	1.52	0	0.89	0.38	
1	2.85	3.51	3.10	1.55	1.30	0.66	0.48	1.12	0.84	2.08	1.75	0	1.14	0.66	
2	2.18	4.11	3.71	1.75	1.50	0.79	0.58	1.22	0.94	2.54	2.21	1	1.17	0.69	AMR 2#
3	2.51	4.75	4.29	1.98	1.70	0.89	0.69	1.35	1.02	2.77	2.44	1	1.40	0.89	AMR 3#
4	2.84	5.36	4.90	2.18	1.90	0.99	0.79	1.47	1.12	3.00	2.67	1	1.65	1.17	AMR 4#
5	3.18	5.99	5.51	2.41	2.11	1.09	0.89	1.60	1.19	3.91	3.58	2	1.60	0.89	AMR 5#
6	3.51	6.60	6.10	2.62	2.31	1.22	0.99	1.73	1.30	4.11	3.78	2	1.85	1.14	AMR 6#
7	3.84	7.24	6.71	2.82	2.51	1.22	0.99	1.83	1.40	4.32	3.99	2	2.06	1.40	AMR 7#
8	4.17	7.85	7.29	3.05	2.72	1.37	1.14	1.96	1.47	4.52	4.19	2	2.29	1.63	AMR 8#
10	4.83	9.12	8.48	3.48	3.12	1.52	1.27	2.21	1.65	4.95	4.62	2	2.74	2.08	AMR 10#
12	5.49	10.36	9.70	3.89	3.53	1.70	1.42	2.44	1.85	6.32	5.99	3	2.74	2.08	AMR 12#
1/4	6.35	11.99	11.25	4.44	4.06	1.90	1.63	2.77	2.08	6.81	6.48	3	3.30	2.64	AMR 1/4
5/16	7.94	14.99	14.15	5.49	5.03	2.13	1.83	3.35	2.51	7.82	7.49	3	4.32	3.66	AMR 5/16
3/8	9.53	17.98	17.02	6.50	6.02	2.39	2.06	3.94	2.97	9.83	9.50	4	5.28	4.62	AMR 3/8
7/16	11.11	19.05	17.96	8.33	7.80	2.39	2.06	4.98	3.76	10.21	9.88	4	5.61	4.98	AMR 7/16
1/2	12.70	20.65	19.46	9.02	8.43	2.69	2.31	5.36	4.04	10.57	10.24	4	5.99	5.36	AMR 1/2.





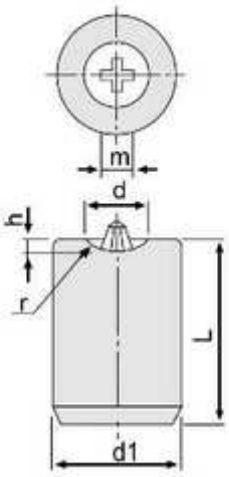
AMP (ANSI PAN HEAD MACHINE & TAPPING SCREW)

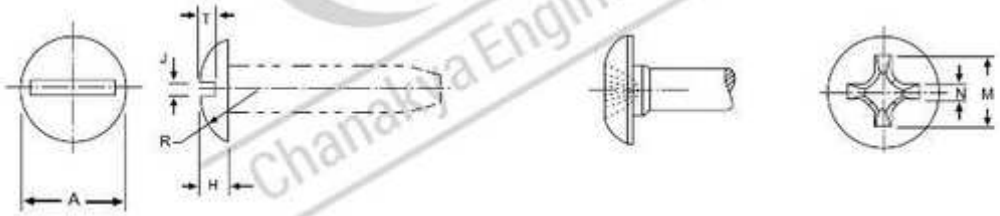
						R							R			#			
0	1.52	2.95	2.64	0.99	0.79	0.51	0.58	0.41	0.56	0.36	1.12	0.91	0.13	1.70	1.37	0	0.81	0.36	
1	1.85	3.61	3.30	1.77	0.97	0.64	0.66	0.48	0.69	0.46	1.35	1.12	0.13	1.88	1.55	0	1.02	0.56	
2	2.18	4.24	3.94	1.35	1.14	0.89	0.79	0.58	0.79	0.56	1.57	1.35	0.25	2.64	2.31	1	1.32	0.86	AMP 2#
3	2.51	4.90	4.57	1.52	1.30	0.94	0.89	0.69	0.91	0.66	1.80	1.57	0.25	2.84	2.51	1	1.55	1.09	AMP 3#
4	2.84	5.56	5.21	1.73	1.47	1.07	0.99	0.79	1.02	0.76	2.03	1.78	0.25	3.10	2.77	1	1.80	1.35	AMP 4#
5	3.18	6.22	5.87	1.90	1.65	1.12	1.09	0.89	1.14	0.86	2.26	2.01	0.38	4.01	3.68	2	1.83	1.17	AMP 5#
6	3.51	6.86	6.50	2.08	1.83	1.17	1.22	0.99	1.27	0.94	2.46	2.21	0.38	4.22	3.89	2	2.03	1.40	AMP 6#
7	3.84	7.52	7.14	2.26	2.01	1.24	1.22	0.99	1.37	1.04	2.69	2.44	0.38	4.47	4.14	2	2.26	1.63	AMP 7#
8	4.17	8.18	7.77	2.44	2.16	1.32	1.37	1.14	1.47	1.14	2.92	2.67	0.38	4.62	4.29	2	2.46	1.80	AMP 8#
10	4.83	9.47	9.07	2.79	2.51	1.55	1.52	1.27	1.73	1.35	3.38	3.10	0.51	5.05	4.72	2	2.87	2.26	AMP 10#
12	5.49	10.80	10.34	3.18	2.84	1.98	1.70	1.42	1.96	1.55	3.84	3.53	0.64	6.58	6.25	3	3.15	2.49	AMP 12#
1/4	6.35	12.50	12.01	3.66	3.30	2.21	1.90	1.63	2.21	1.78	4.44	4.11	0.89	7.14	6.81	3	3.66	3.00	AMP 1/4
5/16	7.94	15.62	15.09	4.52	4.11	2.51	2.13	1.83	2.69	2.16	5.54	5.16	1.02	8.89	8.56	4	4.39	3.78	AMP 5/16
3/8	9.53	18.80	18.19	5.38	4.95	3.63	2.39	2.06	3.15	2.54	6.63	6.20	1.02	9.88	9.55	4	5.41	4.83	AMP 3/8
7/16	11.11	21.92	21.26	6.27	5.79	3.89	2.39	2.06	3.61	2.95	7.75	7.21	1.27	10.49	10.16	4	6.07	5.44	AMP 7/16
1./2	12.70	25.07	24.33	7.14	6.60	4.44	2.69	2.31	4.09	3.33	8.84	8.25	1.40	11.05	10.72	4	6.60	5.97	AMP 1/2.
Norminal SIZE		Max.	Min.	Max.	Min.	R	Max.	Min.	Max.	Min.	Max.	Min.	P	Max.	Min.	#	Max.	Min.	
		A		H			J		T		O			M			Depth		



AMT (ANSI TRUSS HEAD MACHINE & TAPPING SCREW)

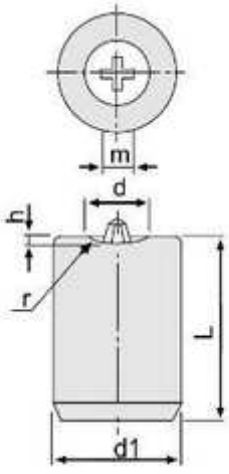
Size Nominal		A Max.	A Min.	H Max.	H Min.	R	J Max.	J Min.	T Max.	T Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
0	1.52	3.33	3.02	0.94	0.74	2.21	0.58	0.41	0.56	0.36	1.60	1.27	0	0.76	0.30	AMT
1	1.85	4.17	3.78	1.14	0.94	2.72	0.66	0.48	0.69	0.46	1.80	1.47	0	0.97	0.51	AMT
2	2.18	4.93	4.57	1.35	1.12	3.28	0.79	0.58	0.79	0.56	2.64	2.31	1	1.32	0.86	AMT 2#
3	2.51	5.74	5.36	1.55	1.30	3.84	0.89	0.69	0.91	0.66	2.79	2.46	1	1.50	1.07	AMT 3#
4	2.84	6.53	6.12	1.75	1.50	4.29	0.99	0.79	1.02	0.76	2.84	2.51	1	1.57	1.12	AMT 4#
5	3.18	7.34	6.91	1.98	1.69	4.85	1.09	0.89	1.14	0.86	3.25	2.92	1	1.98	1.52	AMT 5#
6	3.51	8.15	7.70	2.18	1.88	5.36	1.22	0.99	1.27	0.94	4.01	3.68	2	1.85	1.22	AMT 6#
7	3.84	8.94	8.46	2.39	2.06	5.87	1.22	0.99	1.37	1.04	4.19	3.86	2	2.03	1.40	AMT 7#
8	4.17	9.75	9.25	2.59	2.24	6.45	1.37	1.14	1.47	1.14	4.39	4.06	2	2.24	1.60	AMT 8#
10	4.83	11.38	10.80	3.00	2.62	7.19	1.52	1.27	1.73	1.35	4.78	4.44	2	2.64	2.01	AMT 10#
12	5.49	12.98	12.37	3.40	3.00	8.53	1.70	1.42	1.96	1.55	6.30	5.97	3	2.82	2.18	AMT 12#
1/4	6.35	14.55	13.87	3.81	3.38	9.53	1.90	1.63	2.21	1.78	6.68	6.35	3	3.20	2.57	AMT 1/4
5/16	7.94	17.73	16.92	4.65	4.11	11.61	2.13	1.83	2.69	2.16	8.94	8.61	4	4.39	3.76	AMT 5/16
3/8	9.53	20.90	19.99	5.46	4.85	13.67	2.39	2.06	3.15	2.54	9.73	9.40	4	5.23	4.62	AMT 3/8
7/16	11.11	24.08	23.04	6.30	5.61	15.72	2.39	2.06	3.61	2.95	10.52	10.19	4	6.02	5.38	AMT 7/16
1/2	12.70	27.25	26.11	7.11	6.35	17.81	2.69	2.31	4.09	3.33	11.28	10.95	4	6.81	6.17	AMT 1/2

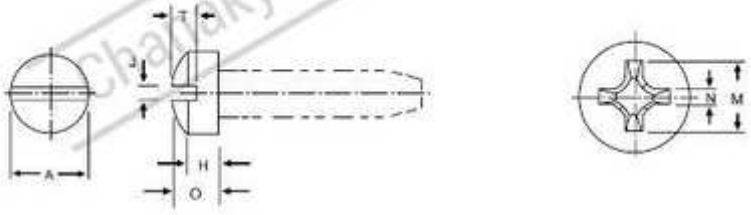




AML (ANSI FILLISTER HEAD MACHINE & TAPPING SCREW)

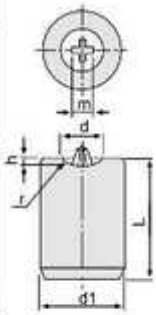
Size Nominal		A Max.	A Min.	H Max.	H Min.	O Max.	O Min.	J Max.	J Min.	T Max.	T Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
0	1.52	2.95	2.11	1.09	0.97	1.40	1.19	0.58	0.41	0.64	0.38	1.70	1.37	0	0.81	0.36	
1	1.85	3.00	2.64	1.35	1.14	1.68	1.47	0.66	0.48	0.79	0.51	1.88	1.55	0	1.02	0.56	
2	2.18	3.58	3.15	1.57	1.35	2.11	1.68	0.79	0.58	0.94	0.64	2.64	2.31	1	1.32	0.86	AML 2#
3	2.51	4.09	3.68	1.78	1.55	2.41	1.96	0.89	0.69	1.09	0.76	2.84	2.51	1	1.55	1.09	AML 3#
4	2.84	4.65	4.22	2.01	1.75	2.72	2.24	0.99	0.79	1.22	0.89	3.10	2.77	1	1.80	1.35	AML 4#
5	3.18	5.21	4.75	2.24	1.98	3.05	2.54	1.09	0.89	1.37	1.02	3.63	3.30	2	1.42	0.79	AML 5#
6	3.51	5.74	5.28	2.44	2.18	3.35	2.82	1.22	0.99	1.52	1.14	4.22	3.89	2	2.03	1.40	AML 6#
7	3.84	6.30	5.82	2.67	2.39	3.66	3.10	1.22	0.99	1.65	1.24	4.47	4.14	2	2.26	1.63	AML 7#
8	4.17	6.86	6.35	2.87	2.59	3.96	3.38	1.37	1.14	1.80	1.37	4.62	4.29	2	2.46	1.80	AML 8#
10	4.83	7.95	7.42	3.30	3.00	4.57	3.96	1.52	1.27	2.11	1.63	5.05	4.72	2	2.87	2.26	AML 10#
12	5.49	9.07	8.48	3.76	3.40	5.21	4.52	1.70	1.42	2.39	1.88	6.58	6.25	3	3.15	2.49	AML 12#
1/4	6.35	10.52	9.88	4.32	3.94	6.02	5.26	1.90	1.63	2.77	2.21	7.14	6.81	3	3.66	3.00	AML 1/4
5/16	7.94	13.16	12.45	5.36	4.93	7.49	6.65	2.13	1.83	3.48	2.79	8.18	7.85	3	4.72	4.06	AML 5/16
3/8	9.53	15.80	14.99	6.43	5.92	9.02	8.00	2.39	2.06	4.17	3.38	9.88	9.55	4	5.41	4.83	AML 3/8
7/16	11.11	15.88	14.96	6.73	6.15	9.35	8.15	2.39	2.06	4.32	3.43	10.49	10.16	4	6.07	5.44	AML 7/16
1/2	12.70	19.05	18.03	7.54	6.93	10.46	9.19	2.69	2.31	4.83	3.84	11.05	10.72	4	6.60	5.97	AML 1/2

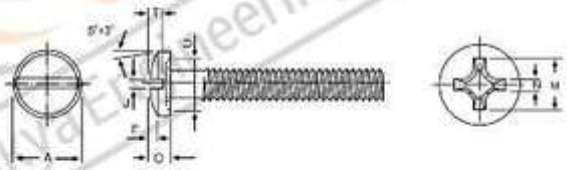




AMB (ANSI BINDING TFHEAD MACHINE & TAPPING SCREW)

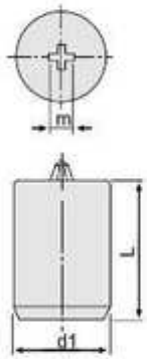
Size Nominal		A Max.	A Min.	O Max.	O Min.	F Max.	F Min.	J Max.	J Min.	T Max.	T Min.	U Max.	U Min.	X Max.	X Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
0000	0.53	1.17	1.02	0.36	0.23	0.15	0.08	0.20	0.10	0.23	0.13	—									
000	0.86	1.85	1.70	0.53	0.38	0.20	0.13	0.30	0.15	0.33	0.23	—									
00	1.19	2.49	2.29	0.71	0.58	0.28	0.18	0.43	0.25	0.46	0.30	—									
0	1.52	3.20	3.02	0.81	0.66	0.30	0.20	0.58	0.41	0.46	0.23	2.49	2.18	0.18	0.05	1.70	1.37	0	0.84	0.41	
1	1.85	3.89	3.68	1.04	0.89	0.38	0.28	0.66	0.48	0.61	0.36	3.05	2.67	0.20	0.08	1.88	1.55	0	1.02	0.58	
2	2.18	4.60	4.34	1.29	1.09	0.46	0.33	0.79	0.58	0.76	0.51	3.58	3.15	0.25	0.13	2.54	2.21	1	1.30	0.86	AMB 2#
3	2.51	5.28	5.00	1.50	1.32	0.56	0.41	0.89	0.69	0.91	0.64	4.11	3.63	0.28	0.15	2.79	2.46	1	1.55	1.12	AMB 3#
4	2.84	5.97	5.66	1.73	1.55	0.64	0.46	0.99	0.79	1.07	0.76	4.67	4.09	0.30	0.18	3.00	2.67	1	1.78	1.32	AMB 4#
5	3.18	6.68	6.32	1.98	1.75	0.74	0.53	1.09	0.89	1.22	0.89	5.21	4.57	0.36	0.23	3.76	3.43	2	1.63	1.02	AMB 5#
6	3.51	7.37	6.99	2.21	1.98	0.81	0.61	1.22	0.99	1.35	1.02	5.74	5.05	0.38	0.25	4.06	3.73	2	1.96	1.35	AMB 6#
8	4.17	8.74	8.28	2.67	2.41	0.99	0.74	1.37	1.14	1.65	1.27	6.83	5.99	0.43	0.30	4.72	4.39	2	2.62	2.01	AMB 8#
10	4.83	10.13	9.60	3.12	2.84	1.14	0.86	1.52	1.27	1.96	1.52	7.92	6.96	0.51	0.38	5.21	4.88	2	3.12	2.49	AMB 10#
12	5.49	11.53	10.92	3.58	3.30	1.32	0.99	1.70	1.42	2.26	1.78	8.99	7.90	0.58	0.46	6.78	6.45	3	3.40	2.77	AMB 12#
1/4	6.35	13.34	12.65	4.19	3.86	1.55	1.17	1.90	1.63	2.67	2.13	10.41	9.14	0.66	0.53	7.14	6.81	3	3.73	3.12	AMB 1/4#
5/16	7.94	16.66	15.80	5.31	4.93	1.96	1.50	2.13	1.83	3.40	2.74	13.03	11.43	0.81	0.69	8.89	8.56	4	4.44	3.86	AMB 5/16#
3/8	9.53	20.02	18.95	6.43	5.97	2.39	1.80	2.39	2.06	4.14	3.35	15.62	13.72	0.99	0.86	10.16	9.83	4	5.77	5.16	AMB 3./8#

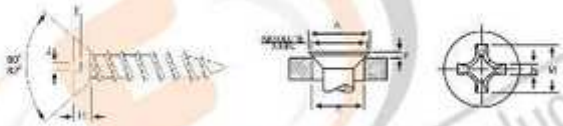




ATF (ANSI FLAT HEAD TAPPING SCREW)

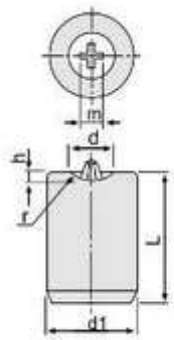
Size Nominal	A Max.	A Min.	A Abs.	G	F Max.	F Min.	H	J Max.	J Min.	T Max.	T Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
14	12.47	11.71	11.10	10.41	1.24	0.74	3.76	1.90	1.63	1.73	1.12	7.19	6.86	3	3.91	3.33	ATF 14#
16	13.82	13.00	12.32	11.61	1.32	0.79	4.17	1.90	1.63	1.90	1.24	7.70	7.37	3	4.42	3.84	ATF 16#
18	15.16	14.30	13.56	12.83	1.40	0.84	4.57	2.13	1.83	2.11	1.37	9.27	8.94	4	4.98	4.42	ATF 18#
20	16.51	15.60	14.78	14.05	1.47	0.89	4.98	2.13	1.83	2.29	1.50	9.60	9.27	4	5.33	4.78	ATF 20#
24	19.20	18.19	17.25	16.46	1.65	0.99	5.79	2.39	2.06	2.67	1.75	9.98	9.65	4	5.72	5.16	ATF 24#

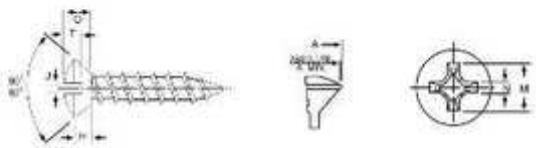




ATAO (ANSI OVAL HEAD TAPPING SCREW)

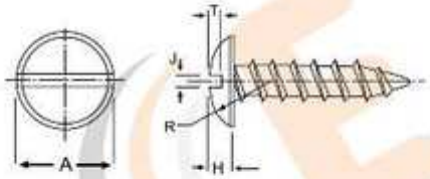
Size Nominal	A Max.	A Min.	A Abs.	H	O Max.	O Min.	J Max.	J Min.	T Max.	T Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
14	12.47	11.71	11.10	3.76	5.69	4.83	1.90	1.63	3.35	2.74	7.32	6.99	3	3.76	3.12	ATAO 14#
16	13.82	13.00	12.32	4.17	6.30	5.38	1.90	1.63	3.71	3.05	8.43	8.10	3	5.00	4.37	ATAO 16#
18	15.16	14.30	13.56	4.57	6.91	5.92	2.13	1.83	4.06	3.35	9.68	9.35	4	5.23	4.62	ATAO 18#
20	16.51	15.60	14.78	4.98	7.52	6.45	2.13	1.83	4.44	3.66	10.16	9.83	4	5.72	5.11	ATAO 20#
24	19.20	18.19	17.25	5.79	8.74	7.54	2.39	2.06	5.18	4.27	11.07	10.74	4	6.65	6.05	ATAO 24#

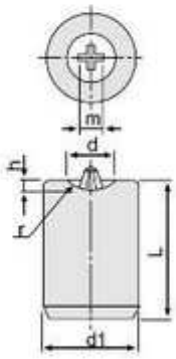




ATAT (ANSI TRUSS HEAD TAPPING SCREW)

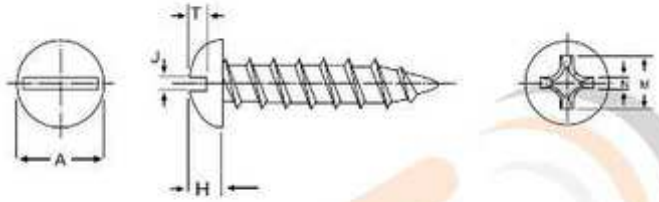
Size Norminal	A Max.	A Min.	H Max.	H Min.	J Max.	J Min.	T Max.	T Min.	R	M Max.	M Min.	#	Depth Max.	Depth Min.	
14	14.15	13.46	3.71	3.28	1.90	1.63	2.16	1.73	9.53	6.68	6.35	3	3.20	2.57	ATAT 14#
16	15.47	14.73	4.04	3.58	1.90	1.63	2.36	1.88	10.41	6.78	6.45	3	3.40	2.77	ATAT 16#
18	16.79	16.00	4.39	3.89	2.13	1.83	2.54	2.03	11.33	8.20	7.87	4	3.68	3.07	ATAT 18#
20	18.11	17.27	4.72	4.19	2.13	1.83	2.74	2.21	12.29	9.04	8.71	4	4.50	3.84	ATAT 20#
24	20.75	19.81	5.41	4.83	2.39	2.06	3.12	2.54	14.15	9.86	9.53	4	5.56	4.93	ATAT 24#

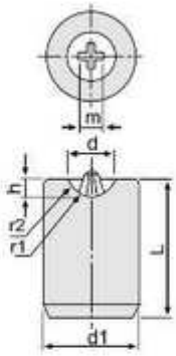




ATAR (ANSI ROUND HEAD TAPPING SCREW)

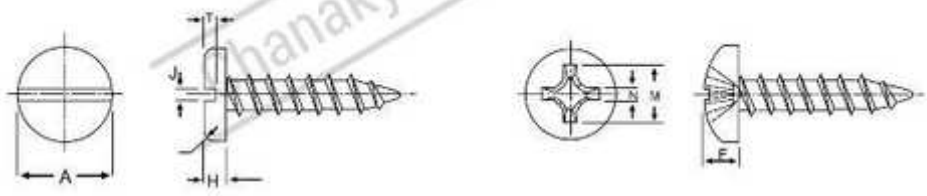
Size Norminal	A Max.	A Min.	H Max.	H Min.	J Max.	J Min.	T Max.	T Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
14	11.61	10.90	4.32	3.94	1.90	1.63	2.69	2.03	6.73	6.40	3	3.18	2.51	ATAR 14#
16	12.85	12.09	4.75	4.34	1.90	1.63	2.92	2.21	7.14	6.81	3	3.61	3.02	ATAR 16#
18	14.10	13.28	5.18	4.75	2.13	1.83	3.18	2.39	8.36	8.03	4	3.73	3.07	ATAR 18#
20	15.34	14.48	5.59	5.16	2.13	1.83	3.40	2.57	8.74	8.41	4	4.14	3.48	ATAR 20#
24	17.83	16.87	6.45	5.97	2.39	2.06	3.91	2.95	9.83	9.05	4	5.28	4.62	ATAR 24#

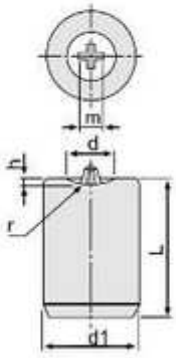




ATAP (ANSI PAN HEAD TAPPING SCREW)

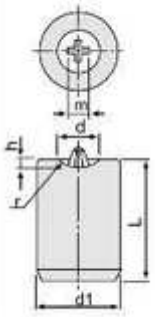
Size Norminal	A Max.	A Min.	H Max.	H Min.	J Max.	J Min.	T Max.	T Min.	R	F Max.	F Min.	M Max.	M Min.	#	Depth Max.	Depth Min.	
14	12.09	11.61	3.53	3.20	1.90	1.63	2.16	1.73	2.21	4.29	3.96	7.14	6.81	3	3.66	3.00	ATAP14#
16	13.41	12.90	3.89	3.53	1.88	1.63	2.36	1.78	2.39	4.75	4.39	7.42	7.09	3	4.01	3.35	ATAP 16#
18	14.71	14.17	4.27	3.89	2.13	1.83	2.54	2.03	2.51	5.21	4.85	8.51	8.18	4	4.01	3.40	ATAP 18#
20	16.03	15.44	4.62	4.22	2.13	1.83	2.74	2.21	3.07	5.66	5.28	8.89	8.56	4	4.39	3.78	ATAP 20#
24	18.64	18.01	5.36	4.90	2.39	2.06	3.12	2.54	3.63	6.58	6.15	9.98	9.65	4	5.41	4.83	ATAP 24#

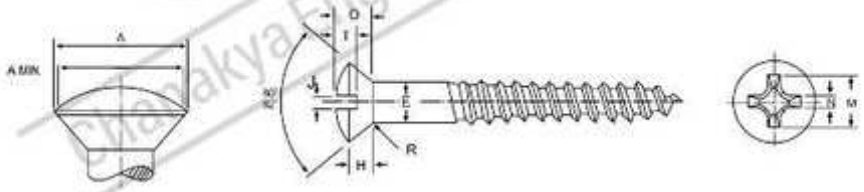




AWO (ANSI OVAL HEAD WOOD SCREW)

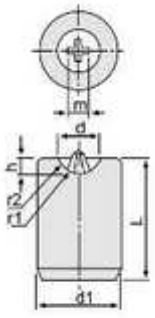
Size Nominal		TPI	E Max.	E Min.	A Max.	A Min.	H	O Max.	O Min.	J Max.	J Min.	T Max.	T Min.	R	M Max.	M Min.	#	Depth Max.	Depth Min.	
0	1.52	32	1.63	1.35	3.02	2.51	0.89	1.42	1.04	0.58	0.41	0.76	0.64	0.79	1.88	1.55	0	0.97	0.51	
1	1.85	28	1.96	1.68	3.71	3.12	1.09	1.73	1.32	0.66	0.48	0.97	0.79	0.79	2.96	1.63	0	1.04	0.58	
2	2.18	26	2.29	2.01	4.37	3.73	1.30	2.03	1.60	0.79	0.58	1.14	0.94	0.79	2.84	2.51	1	1.57	1.14	AWO 2#
3	2.51	24	2.62	2.34	5.05	4.34	1.50	2.34	1.85	0.89	0.69	1.32	1.09	0.79	3.15	2.82	1	1.88	1.45	AWO 3#
4	2.84	22	2.95	2.67	5.72	4.95	1.70	2.64	2.13	0.99	0.79	1.50	1.24	0.79	3.45	3.12	1	2.21	1.78	AWO 4#
5	3.18	20	3.28	3.00	6.40	5.59	1.90	2.95	2.41	1.09	0.89	1.70	1.40	1.57	4.01	3.68	2	1.88	1.27	AWO 5#
6	3.51	18	3.61	3.33	7.09	6.20	2.11	3.25	2.67	1.22	0.99	1.88	1.52	1.57	4.52	4.19	2	2.39	1.75	AWO 6#
7	3.84	16	3.94	3.66	7.75	6.81	2.31	3.56	2.95	1.22	0.99	2.06	1.68	1.57	4.80	4.47	2	2.64	2.06	AWO 7#
8	4.17	15	4.27	3.99	8.43	7.42	2.54	3.86	3.20	1.37	1.14	2.24	1.83	1.57	5.21	4.88	2	3.05	2.41	AWO 8#
9	4.50	14	4.60	4.32	9.09	8.03	2.74	4.17	3.48	1.37	1.14	2.41	1.98	1.57	5.49	5.16	2	3.38	2.74	AWO 9#
10	4.83	13	4.93	4.65	9.78	8.64	2.95	4.47	3.76	1.52	1.27	2.62	2.13	1.57	6.63	6.30	3	3.18	2.57	AWO 10#
12	5.49	11	5.59	5.31	11.13	9.88	3.35	5.08	4.29	1.70	1.42	2.97	2.44	1.57	7.19	6.86	3	3.76	3.12	AWO 12#
14	6.15	10	6.25	5.97	12.47	11.10	3.76	5.69	4.83	1.90	1.63	3.35	2.74	2.36	7.75	7.42	3	4.34	3.71	AWO 14#
16	6.81	9	6.91	6.63	13.82	12.32	4.17	6.30	5.38	1.90	1.63	3.71	3.05	2.36	8.43	8.10	3	5.00	4.37	AWO 16#
18	7.47	8	7.57	7.29	15.16	13.56	4.57	6.91	5.92	2.13	1.83	4.06	3.35	2.36	9.68	9.35	4	5.23	4.62	AWO 18#
20	8.13	8	8.23	7.95	16.51	14.78	4.98	7.52	6.45	2.13	1.83	4.44	3.66	2.36	10.16	9.83	4	5.72	5.11	AWO 20#
24	9.45	7	9.55	9.27	19.20	17.25	5.79	8.74	7.54	2.39	2.06	5.18	4.27	2.36	11.07	10.74	4	6.65	6.05	AWO 24#

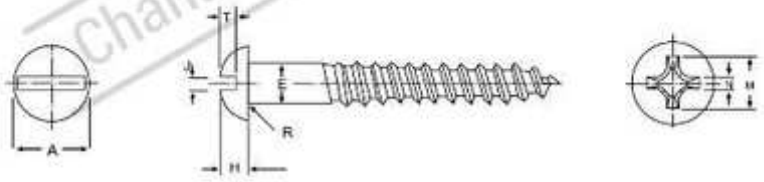




AWR (ANSI ROUND HEAD WOOD SCREW)

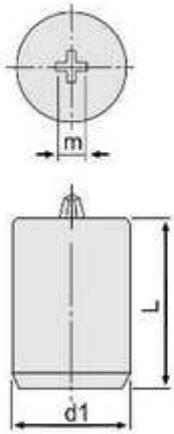
Size Nominal		TPI	E Max.	E Min.	A Max.	A Min.	H Max.	H Min.	J Max.	J Min.	T Max.	T Min.	R	M Max.	M Min.	#	Depth Max.	Depth Min.	
0	1.52	32	1.63	1.35	2.87	2.51	1.35	1.09	0.58	0.41	0.99	0.74	0.41	1.85	1.52	0	0.89	0.38	
1	1.85	28	1.96	1.68	3.15	3.10	1.55	1.30	0.66	0.48	1.12	0.84	0.41	2.08	1.75	0	1.14	0.66	
2	2.18	26	2.29	2.01	4.11	3.71	1.75	1.50	0.79	0.58	1.22	0.94	0.41	2.90	2.57	1	1.45	0.89	AWR 2#
3	2.51	24	2.62	2.34	4.75	4.29	1.98	1.70	0.89	0.69	1.35	1.02	0.41	3.10	2.77	1	1.68	1.14	AWR 3#
4	2.84	22	2.95	2.67	5.36	4.90	2.18	1.90	0.99	0.79	1.47	1.12	0.41	3.30	2.97	1	1.93	1.42	AWR 4#
5	3.18	20	3.28	3.00	5.99	5.51	2.41	2.11	1.09	0.89	1.60	1.19	0.79	3.91	3.58	2	1.60	0.89	AWR 5#
6	3.51	18	3.61	3.33	6.60	6.10	2.62	2.31	1.22	0.99	1.73	1.30	0.79	4.11	3.78	2	1.85	1.14	AWR 6#
7	3.84	16	3.94	3.66	7.24	6.71	2.82	2.51	1.22	0.99	1.83	1.40	0.79	4.32	3.99	2	2.06	1.40	AWR 7#
8	4.17	15	4.27	3.99	7.85	7.29	3.05	2.72	1.37	1.14	1.96	1.47	0.79	4.52	4.19	2	2.29	1.63	AWR 8#
9	4.50	14	4.60	4.32	8.48	7.90	3.25	2.92	1.37	1.14	2.08	1.57	0.79	4.72	4.39	2	2.51	1.85	AWR 9#
10	4.83	13	4.93	4.65	9.12	8.48	3.48	3.12	1.52	1.27	2.21	1.65	0.79	4.95	4.62	2	2.74	2.08	AWR 10#
12	5.49	11	5.59	5.31	10.36	9.70	3.89	3.53	1.70	1.42	2.44	1.85	0.79	6.32	5.99	3	2.74	2.08	AWR 12#
14	6.15	10	6.25	5.97	11.61	10.90	4.32	3.94	1.90	1.63	2.69	2.03	1.17	6.73	6.40	3	3.18	2.51	AWR 14#
16	6.81	9	6.91	6.63	12.85	12.09	4.75	4.34	1.90	1.63	2.92	2.21	1.17	7.14	6.81	3	3.61	3.02	AWR 16#
18	7.47	8	7.57	7.29	14.10	13.28	5.18	4.75	2.13	1.83	3.18	2.39	1.17	8.61	8.28	4	3.96	3.33	AWR 18#
20	8.13	8	8.23	7.95	15.34	14.48	5.59	5.16	2.13	1.83	3.40	2.57	1.17	9.04	8.71	4	4.42	3.76	AWR 20#
24	9.45	7	9.55	9.27	17.83	16.87	6.45	5.97	2.39	2.06	3.91	2.95	1.17	9.83	9.50	4	5.28	4.62	AWR 24

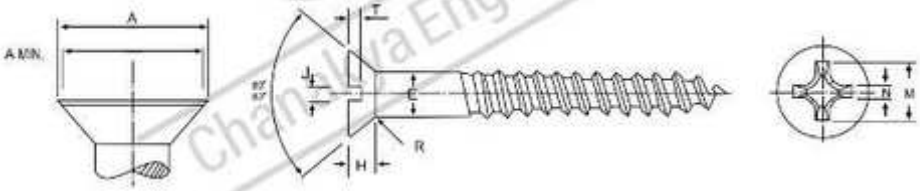




AWF (ANSI FLAT HEAD WOOD SCREW)

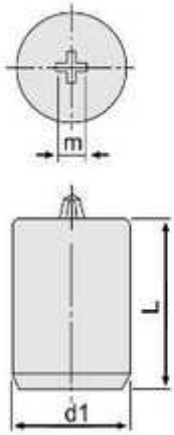
Size Nominal		TPI	E Max.	E Min.	A Max.	A Min.	H	J Max.	J Min.	T Max.	T Min.	R	M Max.	M Min.	#	Depth Max.	Depth Min.	
0	1.52	32	1.63	1.35	3.02	2.51	0.89	0.58	0.41	0.38	0.25	0.79	1.75	1.42	0	0.91	0.51	
1	1.85	28	1.96	1.68	3.71	3.12	1.09	0.66	0.48	0.48	0.30	0.79	1.96	1.63	0	1.12	0.71	
2	2.18	26	2.29	2.01	4.37	3.73	1.30	0.79	0.58	0.58	0.38	0.79	2.59	2.26	1	1.42	1.02	AWF 2#
3	2.51	24	2.62	2.34	5.05	4.34	1.50	0.89	0.69	0.69	0.43	0.79	2.72	2.39	1	1.55	1.14	AWF 3#
4	2.84	22	2.95	2.67	5.72	4.95	1.70	0.99	0.79	0.76	0.51	0.79	3.25	2.92	1	2.08	1.68	AWF 4#
5	3.18	20	3.28	3.00	6.40	5.59	1.90	1.09	0.89	0.86	0.56	1.57	3.91	3.58	2	1.90	1.32	AWF 5#
6	3.51	18	3.61	3.33	7.09	6.20	2.11	1.22	0.99	0.97	0.61	1.57	4.42	4.09	2	2.41	1.83	AWF 6#
7	3.84	16	3.94	3.66	7.75	6.81	2.31	1.22	0.99	1.04	0.69	1.57	4.80	4.47	2	2.79	2.21	AWF 7#
8	4.17	15	4.27	3.99	8.43	7.42	2.54	1.37	1.14	1.14	0.74	1.57	5.18	4.85	2	3.18	2.59	AWF 8#
9	4.50	14	4.60	4.32	9.09	8.03	2.74	1.37	1.14	1.24	0.81	1.57	5.44	5.11	2	3.43	2.84	AWF 9#
10	4.83	13	4.93	4.65	9.78	8.64	2.95	1.52	1.27	1.35	0.86	1.57	6.55	6.22	3	3.28	2.69	AWF 10#
12	5.49	11	5.59	5.31	11.13	9.88	3.35	1.70	1.42	1.52	0.99	1.57	7.19	6.86	3	3.91	3.33	AWF 12#
14	6.15	10	6.25	5.97	12.47	11.10	3.76	1.90	1.63	1.73	1.12	2.36	7.70	7.37	3	4.42	3.84	AWF 14#
16	6.81	9	6.91	6.63	13.82	12.32	4.17	1.90	1.63	2.90	1.24	2.36	8.31	7.98	3	5.05	4.47	AWF 16#
18	7.47	8	7.57	7.29	15.16	13.56	4.57	2.13	1.83	2.11	1.37	2.36	9.60	9.27	4	5.33	4.78	AWF 18#
20	8.13	8	8.23	7.95	16.51	14.78	4.98	2.13	1.83	2.29	1.50	2.36	9.98	9.65	4	5.72	5.16	AWF 20#
24	9.45	7	9.55	9.27	19.20	17.25	5.79	2.39	2.06	2.67	1.75	2.36	10.77	10.44	4	6.50	5.94	AWF 24#

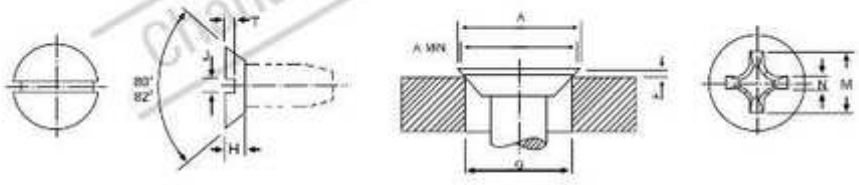




AUF (ANSI UNDERCUT HEAD MACHINE & TAPPING SCREW)

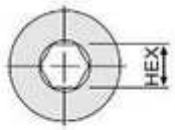
Size Nominal		A Max.	A Min.	H Max.	H Min.	J Max.	J Min.	T Max.	T Min.	F Max.	F Min.	G	M Max.	M Min.	#	Depth Max.	Depth Min.	
0	1.52	3.02	2.51	0.64	0.46	0.58	0.41	0.28	0.18	–	–	–	1.75	1.42	0	0.91	0.51	
1	1.85	3.71	3.12	0.79	0.58	0.66	0.48	0.36	0.23	–	–	–	1.96	1.63	0	1.12	0.71	
2	2.18	4.37	3.73	0.91	0.71	0.79	0.58	0.41	0.28	0.74	0.43	3.15	2.41	2.08	1	1.24	0.84	AUF 2#
3	2.51	5.05	4.34	1.07	0.84	0.89	0.69	0.48	0.30	0.79	0.46	3.76	2.59	2.26	1	1.42	1.02	AUF 3#
4	2.84	5.72	4.95	1.19	0.97	0.99	0.79	0.56	0.36	0.81	0.48	4.37	2.97	2.64	1	1.60	1.40	AUF 4#
5	3.18	6.40	5.59	1.35	1.09	1.09	0.89	0.61	0.41	0.86	0.51	4.98	3.25	2.92	1	2.08	1.68	AUF 5#
6	3.51	7.09	6.20	1.50	1.22	1.22	0.99	0.69	0.43	0.91	0.53	5.59	3.71	3.38	2	1.70	1.12	AUF 6#
7	3.84	7.75	6.81	1.63	1.35	1.22	0.99	0.76	0.48	0.94	0.56	6.17	3.91	3.58	2	1.90	1.32	AUF 7#
8	4.17	8.43	7.42	1.78	1.47	1.37	1.14	0.81	0.53	0.99	0.58	6.78	4.42	4.09	2	2.41	1.83	AUF 8#
10	4.83	9.78	8.64	2.06	1.73	1.52	1.27	0.94	0.61	1.07	0.64	7.95	4.80	4.47	2	2.79	2.21	AUF 10#
12	5.49	11.13	9.88	2.34	1.98	1.70	1.42	1.09	0.71	1.14	0.69	9.19	5.92	5.59	3	2.64	2.06	AUF 12#
1/4	6.35	12.88	11.48	2.72	2.34	1.90	1.63	1.27	0.81	1.27	0.74	10.77	6.35	6.02	3	3.02	2.44	AUF 1/4
5/16	7.94	16.13	14.43	3.40	2.95	2.13	1.83	1.57	1.04	1.45	0.86	13.69	8.05	7.72	4	3.76	3.20	AUF 5/16
3/8	9.53	19.35	17.40	4.09	3.56	2.39	2.06	1.90	1.24	1.65	0.99	16.59	9.27	8.94	4	4.98	4.42	AUF 3/8
7/16	11.11	20.62	18.36	3.96	3.38	2.39	2.06	1.83	1.14	1.85	1.12	17.53	9.98	9.65	4	5.72	5.16	AUF 7/16
1/2	12.70	22.23	19.68	3.96	3.30	2.69	2.31	1.83	1.17	2.06	1.24	18.77	10.39	10.05	4	6.12	5.56	AUF 1/2

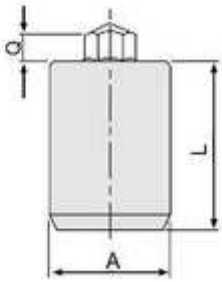


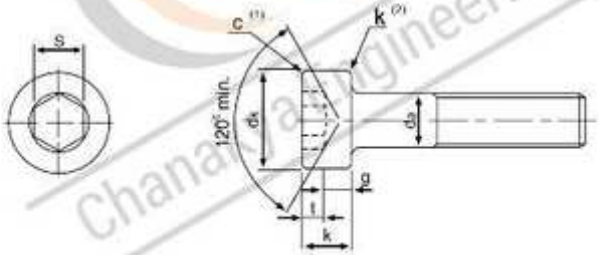


ASME (TABLE 1A HEXAGON SOCKET HEAD CAP SCREW) <ASME B18.3-2002>

		dk		k		da		c(1)	k(2)	s		t	g
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
0	1.52	2.44	2.31	1.52	1.45	1.52	1.44	0.10	0.18		1.27	0.64	0.51
1	1.85	3.00	2.84	1.85	1.78	1.85	1.77	0.13	0.18	1/16"	1.57	0.79	0.64
2	2.18	3.56	3.40	2.18	2.11	2.18	2.09	0.20	0.18	5/64"	1.98	0.97	0.74
3	2.51	4.09	3.91	2.51	2.41	2.51	2.41	0.20	0.18	5/64"	1.98	1.12	0.86
4	2.84	4.65	4.47	2.84	2.74	2.84	2.73	0.23	0.20	3/32"	2.39	1.30	0.97
5	3.18	5.21	5.03	3.18	3.07	3.18	3.05	0.30	0.20	3/32"	2.39	1.45	1.09
6	3.51	5.74	5.54	3.51	3.40	3.51	3.38	0.33	0.20	7/64"	2.77	1.63	1.19
8	4.17	6.86	6.65	4.17	4.04	4.17	4.03	0.36	0.20	9/64"	3.58	1.96	1.42
10	4.83	7.92	7.70	4.83	4.70	4.83	4.67	0.46	0.20	5/32"	3.96	2.29	1.65
1/4	6.35	9.53	9.27	6.35	6.20	6.35	6.18	0.64	0.25	3/16"	4.78	3.05	2.41
5/16	7.94	11.91	11.61	7.92	7.77	7.94	7.75	0.84	0.25	1/4"	6.35	3.84	3.02
3/8	9.53	14.27	13.97	9.53	9.35	9.53	9.34	1.02	0.25	5/16"	7.92	4.62	3.63

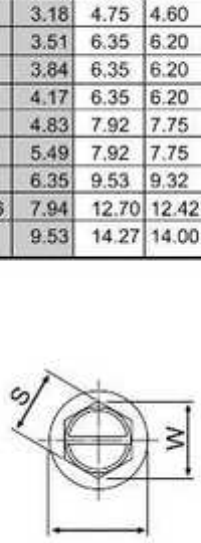


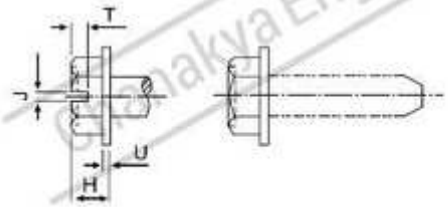


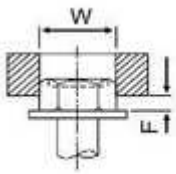


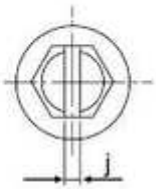
IND (ANSI INDENTER HEX MACHINE & TAPPING SCREW)

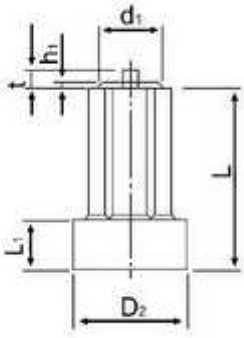
		S		H		W	B		U		J		T		F
		Max.	Min.	Max.	Min.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
2	2.18	3.18	3.05	1.27	1.02	3.40	4.22	3.91	0.41	0.25					0.61
3	2.51	3.18	3.05	1.40	1.12	3.40	4.50	4.14	0.41	0.25					0.66
4	2.84	4.75	4.60	1.52	1.24	5.13	6.17	5.72	0.48	0.28	0.99	0.79	1.07	0.64	0.74
5	3.18	4.75	4.60	1.78	1.47	5.13	6.60	6.10	0.64	0.38	1.09	0.89	1.24	0.76	0.89
6	3.51	6.35	6.20	2.36	2.03	6.91	8.33	7.67	0.64	0.38	1.22	0.99	1.35	0.84	1.22
7	3.84	6.35	6.20	2.36	2.03	6.91	8.33	7.67	0.74	0.43	1.22	0.99	1.57	1.02	1.22
8	4.17	6.35	6.20	2.79	2.44	6.91	8.84	8.18	0.79	0.48	1.37	1.14	1.88	1.32	1.47
10	4.83	7.92	7.75	3.05	2.67	8.64	10.52	9.75	0.79	0.48	1.52	1.27	2.03	1.45	1.60
12	5.49	7.92	7.75	3.94	3.53	8.64	10.97	10.11	0.99	0.56	1.70	1.42	2.62	1.96	2.11
1/4	6.35	9.53	9.32	4.83	4.37	10.39	13.21	12.19	1.27	0.76	1.91	1.63	2.82	2.11	2.62
5/16	7.94	12.70	12.42	5.84	5.28	13.84	17.17	15.85	1.40	0.89	2.13	1.83	3.40	2.54	3.18
3/8	9.53	14.27	14.00	7.49	6.86	15.60	19.81	18.29	1.60	0.94	2.39	2.06	4.27	3.33	4.11





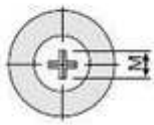
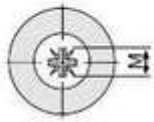
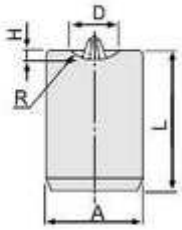


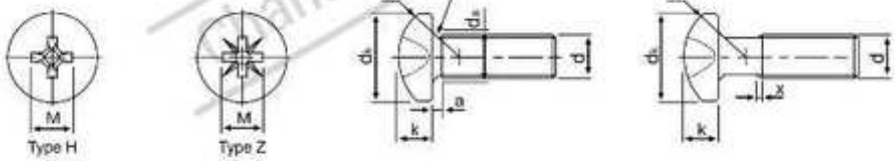




IMP (ISO 7045 : 1994 PAN HEAD MACHINE SCREW) <eqv:GB/T 818-2000)

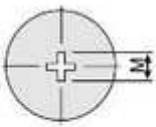
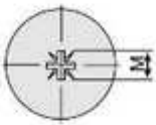
SIZE d		M1.6	M2	M2.5	M3	(M3.5)	M4	M5	M6	M8	M10
P		0.35	0.4	0.45	0.5	0.6	0.7	0.8	1.0	1.25	1.5
dx	Max	3.2	4.0	5.0	5.6	7.00	8.00	9.50	12.00	16.00	20.00
	Min.	2.9	3.7	4.7	5.3	6.64	7.64	9.14	11.57	15.57	19.48
k	Max	1.30	1.60	2.10	2.40	2.60	3.10	3.70	4.60	6.00	7.50
	Min.	1.16	1.46	1.96	2.26	2.46	2.92	3.52	4.30	5.70	7.14
a	Max	0.7	0.8	0.9	1.0	1.2	1.4	1.6	2.0	2.5	3.0
x	Max	0.9	1.0	1.1	1.25	1.5	1.75	2.0	2.5	3.2	3.8
da	Max	2.0	2.6	3.1	3.6	4.1	4.7	5.7	6.8	9.2	11.2
r	Min.	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.25	0.4	0.4
rf		2.5	3.2	4.0	5.0	6.0	6.5	8.0	10.0	13.0	16.0
Punch		0		1			2		3	4	
Type H Q	M	1.7	1.9	2.7	3.0	3.9	4.4	4.9	6.9	9.0	10.1
	Max	0.95	1.20	1.55	1.80	1.90	2.40	2.90	3.60	4.60	5.80
	Min.	0.70	0.90	1.15	1.40	1.40	1.90	2.40	3.10	4.00	5.20
Type Z Q	M	1.6	2.1	2.6	2.8	3.9	4.3	4.7	6.70	8.8	9.9
	Max	0.90	1.42	1.50	1.75	1.93	2.34	2.74	3.46	4.50	5.69
	Min.	0.65	1.17	1.25	1.50	1.48	1.89	2.29	3.03	4.05	5.24
PUNCH CODE		IMP M1.6	IMP M2.0	IMP M2.5	IMP M3.0	IMP M3.5	IMP M4.0	IMP M5.0	IMP M6.0	IMP M8.0	IMP M10.0

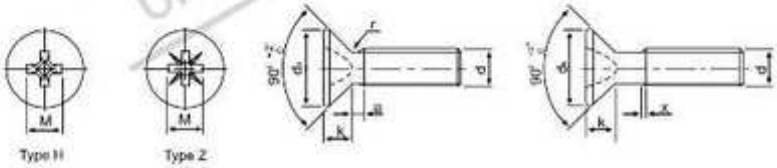






IMF (ISO 7046-1:1994 FLAT HEAD MACHINE SCREW) <eqv:GB/T 819.1-2000)

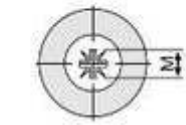
SIZE d		M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10
P		0.35	0.4	0.45	0.5	0.6	0.7	0.8	1.0	1.25	1.5
dx	Max	3.6	4.4	5.5	6.3	8.2	9.4	10.4	12.6	17.3	20.0
	Max	3.0	3.8	4.7	5.5	7.3	8.4	9.3	11.3	15.8	18.3
	Min.	2.7	3.5	4.4	5.2	6.94	8.04	8.94	10.87	15.37	17.78
k	Max.	1.00	1.20	1.50	1.65	2.35	2.70	2.70	3.30	4.65	5.00
a	Max	0.7	0.8	0.9	1.0	1.2	1.4	1.6	2.0	2.5	3.0
x	Max.	0.90	1.00	1.10	1.25	1.50	1.75	2.00	2.50	3.20	3.80
r	Max	0.4	0.5	0.6	0.8	0.9	1.0	1.3	1.5	2.0	2.5
Punch		0		1			2		3	4	
type H Q	M	1.6	1.9	2.9	3.2	4.4	4.6	5.2	6.8	8.9	10.0
	Max	0.9	1.2	1.8	2.1	2.4	2.6	3.2	3.5	4.6	5.7
	Min.	0.6	0.9	1.4	1.7	1.9	2.1	2.7	3.0	4.0	5.1
Type Z Q	M	1.6	1.9	2.8	3.0	4.1	4.4	4.9	6.6	8.8	9.8
	Max	0.95	1.20	1.73	2.01	2.20	2.51	3.05	3.45	4.60	5.64
	Min.	0.70	0.95	1.48	1.76	1.75	2.06	2.60	3.00	4.15	5.19
PUNCH CODE		IMF M1.6	IMF M2.0	IMF M2.5	IMF M3.0	IMF M3.5	IMF M4.0	IMF M5.0	IMF M6.0	IMF M8.0	IMF M10.0

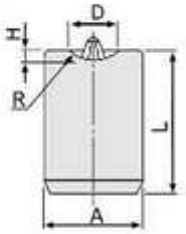



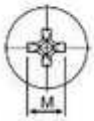


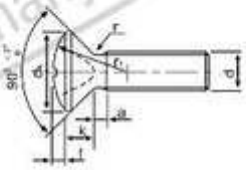
IMO (ISO 7047 : 1994 OVAL HEAD MACHINE SCREW) <eqv:GB/T 820-2000)

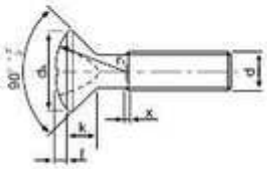
SIZE d		M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10
P		0.35	0.4	0.45	0.5	0.6	0.7	0.8	1.0	1.25	1.5
dx	Max	3.6	4.4	5.5	6.3	8.2	9.4	10.4	12.6	17.3	20.0
	Min.	3.0	3.8	4.7	5.5	7.3	8.4	9.3	11.3	15.8	18.3
	Max	2.7	3.5	4.4	6.2	6.94	8.04	8.94	10.87	15.37	17.78
f	~	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.4	2.0	2.3
k	Max	1.0	1.2	1.5	1.65	2.35	2.7	2.7	3.3	4.65	5.0
a	Max	0.7	0.8	0.9	1.0	1.2	1.4	1.6	2.0	2.5	3.0
x	Max	0.9	1.0	1.1	1.2	1.5	1.75	2.0	2.5	3.2	3.8
rf	Min.	3.0	4.0	5.0	6.0	8.5	9.5	9.5	12.0	16.5	19.5
r		0.4	0.5	0.6	0.8	0.9	1.0	1.3	1.5	2.0	2.5
Punch		0		1			2		3	4	
Type H Q	M	1.9	2.0	3.0	3.4	4.8	5.2	5.4	7.3	9.6	10.4
	Max	1.2	1.5	1.85	2.2	2.75	3.2	3.4	4.0	5.25	6.0
	Min.	0.9	1.2	1.5	1.8	2.25	2.7	2.9	3.5	4.75	5.5
Type Z Q	M	1.9	2.2	2.8	3.1	4.6	5.0	5.3	7.1	9.5	10.3
	Max	1.20	1.40	1.75	2.08	2.70	3.10	3.35	3.85	5.20	6.05
	Min.	0.95	1.15	1.50	1.83	2.25	2.65	2.9	3.40	4.75	5.60
PUNCH CODE		IMO M1.6	IMO M2.0	IMO M2.5	IMO M3.0	IMO M3.5	IMO M4.0	IMO M5.0	IMO M6.0	IMO M8.0	IMO M10.0





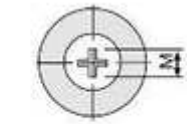


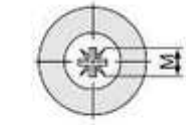


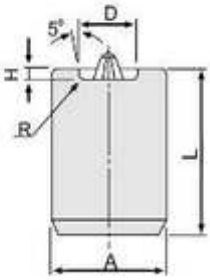


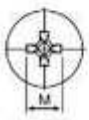
IMC (ISO 7045-1:1994 CHEESE HEAD MACHINE SCREW) <eqv:BG/T 822-2000)

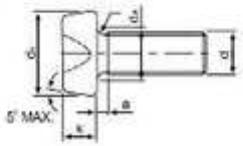
SIZE d		M2.5	M3	M3.5	M4	M5	M6	M8
P		0.45	0.5	0.6	0.7	0.8	1.0	1.25
dk	Max	4.50	5.50	6.00	7.00	8.50	10.00	13.00
	Min.	4.32	5.32	5.82	6.78	8.28	9.78	12.73
k	Max	1.80	2.00	2.40	2.60	3.30	3.90	5.00
	Min.	1.66	1.86	2.26	2.46	3.12	3.60	4.70
a	Max	0.9	1.0	1.2	1.4	1.6	2.0	2.5
x	Max	1.1	1.25	1.5	1.75	2.0	2.5	3.2
da	Max	3.1	3.6	4.1	4.7	5.7	6.8	9.2
r	Min.	0.1	0.1	0.1	0.2	0.2	0.25	0.4
Punch		1		2			3	
Type H Q	M	2.7	3.5	3.8	4.1	4.8	6.2	7.7
	Max	1.62	1.43	1.73	2.03	2.73	2.86	4.36
	Min.	1.20	0.86	1.15	1.45	2.14	2.25	3.73
Type Z Q	M	2.4	3.5	3.7	4.0	4.6	6.1	7.5
	Max	1.35	1.47	1.80	2.06	2.72	2.92	4.34
	Min.	1.10	1.22	1.34	1.60	2.26	2.46	3.88
PUNCH CODE		IMC M2.5	IMC M3.0	IMC M3.5	IMC M4.0	IMC M5.0	IMC M6.0	IMC M8.0

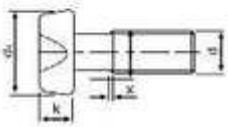






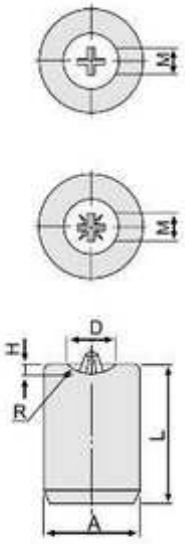


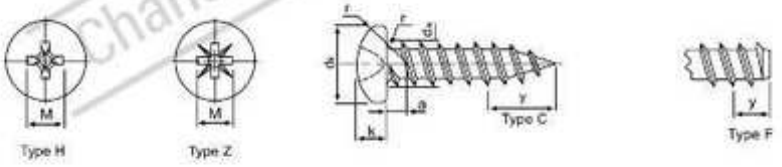




ITP (ISO 7049 : 1983(E) PAN HEAD TAPPING SCREW) <eqv:GB/T 845-85)

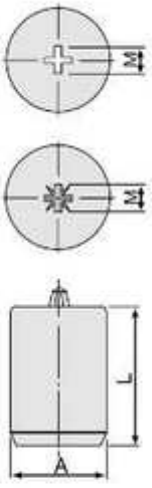
SIZE		ST2.2	ST2.9	ST3.5	ST4.2	ST4.8	ST5.5	ST6.3	ST8.0	ST9.5
P		0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
dk	Max	4.0	5.6	7.0	8.0	9.5	11.0	12.0	16.0	20.0
	Min.	3.7	5.3	6.64	7.64	9.14	10.57	11.57	15.57	19.48
k	Max	1.6	2.4	2.6	3.1	3.7	4.0	4.6	6.0	7.5
	Min.	1.4	2.15	2.35	2.8	3.4	3.7	4.3	5.6	7.1
a	Max	0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
da	Max	2.8	3.5	4.1	4.9	5.6	6.3	7.3	9.2	10.7
r	Min.	0.1	0.1	0.1	0.2	0.2	0.25	0.25	0.4	0.4
rr	~~	3.2	5.0	6.0	6.5	8.0	9.0	10.0	13.0	16.0
Punch		0	1	2			3		4	
Type H	M	1.9	3.0	3.9	4.4	4.9	6.4	6.9	9.0	10.1
Q	Max	1.20	1.80	1.90	2.40	2.90	3.10	3.60	4.70	5.80
	Min.	0.85	1.40	1.40	1.90	2.40	2.60	3.10	4.15	5.20
Type Z	M	2.0	3.0	4.0	4.4	4.8	6.2	6.8	8.9	10.1
Q	Max	1.20	1.75	1.90	2.35	2.75	3.00	3.50	4.50	5.70
	Min.	0.95	1.45	1.50	1.95	2.30	2.55	3.05	4.05	5.25
Typc C		2.0	2.06	3.2	3.7	4.3	5.0	6.0	7.5	8.0
Typc F		1.6	2.1	2.5	2.8	3.2	3.6	3.6	4.2	4.2
PUNCH CODE		ITP ST2.2	ITP ST2.9	ITP ST3.5	ITP ST4.2	ITP ST4.8	ITP ST5.5	ITP ST6.3	ITP ST8.0	ITP ST9.5

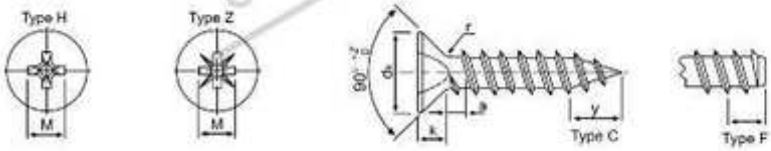




ITF (ISO 7050 : 1983(E) FLAT HEAD TAPPING SCREW) <eqv:GB/T 846-85)

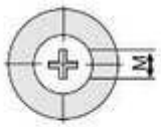
SIZE		ST2.2	ST2.9	ST3.5	ST4.2	ST4.8	SG5.5	ST6.3	ST8.0	ST9.5
P		0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
dk	Max	4.4	6.3	8.2	9.4	10.4	11.5	12.6	17.3	20.0
	Min.	3.8	5.5	7.3	8.4	9.3	10.3	11.3	15.8	18.3
	Max	3.5	5.2	6.9	8.0	8.9	9.9	10.9	15.4	17.8
k	Min.	1.1	1.7	2.35	2.6	2.8	3.0	3.15	4.65	5.25
a	Max	0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
r	Max	0.8	1.2	1.4	1.6	2.0	2.2	2.4	3.2	4.0
Punch		0	1	2			3		4	
Type H	M	1.9	3.2	4.4	4.6	5.2	6.6	6.8	8.9	10.0
Q	Max	1.20	2.10	2.40	2.60	3.20	3.30	3.50	4.60	5.7
	Min.	0.90	1.70	1.90	2.10	2.70	2.80	3.00	4.00	5.10
Type Z	M	2.0	3.2	4.3	4.6	5.1	6.5	6.8	9.0	10.0
Q	Max	1.20	2.00	2.20	2.50	3.05	3.20	3.45	4.60	5.65
	Min.	0.95	1.60	1.75	2.05	2.60	2.75	3.00	4.15	5.20
Typc C		2.0	2.6	3.2	3.7	4.3	5.0	6.0	7.5	8.0
Typc F		1.6	2.1	2.5	2.8	3.2	3.6	3.6	4.2	4.2
PUNCH CODE		ITF ST2.2	ITF ST2.9	ITF ST3.5	ITF ST4.2	ITF ST4.8	ITF ST5.5	ITF ST6.3	ITF ST8.0	ITF ST9.5

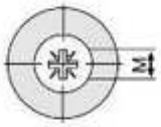


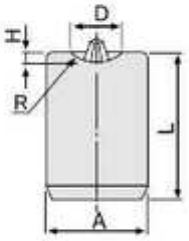


ITO (ISO 7051 : 1983(E) OVAL HEAD TAPPING SCREW) <eqv:GB/T 847-85)

SIZE		ST2.2	ST2.9	ST3.5	ST4.2	ST4.8	ST5.5	ST6.3	ST8.0	ST9.5
P		0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
dx	Max	4.4	6.3	8.2	9.4	10.4	11.5	12.6	17.3	20.0
	Max.	3.8	5.5	7.3	8.4	9.3	10.3	11.3	15.8	18.3
	Min	3.5	5.2	6.9	8.0	8.9	9.9	10.9	15.4	17.8
f		0.5	0.7	0.8	1.0	1.2	1.3	1.4	2.0	2.3
k	Max	1.1	1.7	2.35	2.6	2.8	3.0	3.15	4.65	5.25
a	Max	0.8	1.1	1.3	1.4	1.6	1.8	1.8	2.1	2.1
rf		4.0	6.0	8.5	9.5	9.5	11.0	12.0	16.5	19.5
r	Max.	0.8	1.2	1.4	1.6	2.0	2.2	2.4	3.2	4.0
Punch		0	1	2			3		4	
Type H Q	M	2.2	3.4	4.8	5.2	5.4	6.7	7.3	9.6	10.4
	Max	1.50	2.20	2.75	3.20	3.40	3.45	4.00	5.25	6.00
	Min.	1.20	1.80	2.25	2.70	2.90	2.95	3.50	4.75	5.50
Type Z Q	M	2.2	3.3	4.8	5.2	5.6	6.6	7.2	9.5	10.4
	Max	1.40	2.10	2.70	3.10	3.35	3.40	3.85	5.20	6.05
	Min.	1.15	1.80	2.25	2.65	2.90	2.95	3.40	4.75	5.60
Typc C		2.0	2.6	3.2	3.7	4.3	5.0	6.0	7.5	8.0
Typc F		1.6	2.1	2.5	2.8	3.2	3.6	3.6	4.2	4.2
PUNCH CODE		ITO ST2.2	ITO ST2.9	ITO ST3.5	ITO ST4.2	ITO ST4.8	ITO ST5.5	ITO ST6.3	ITO ST8.0	ITO ST9.5

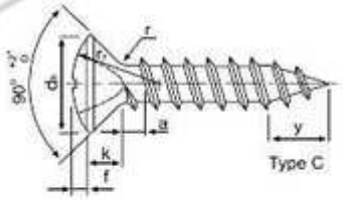






Type H

Type Z

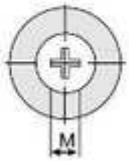


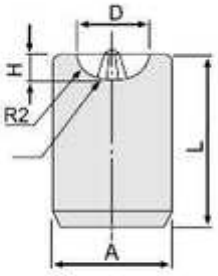
Type C

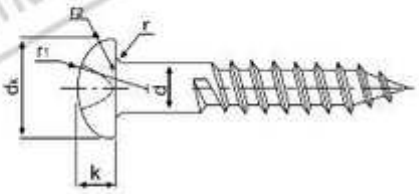
Type F

GB/T 950-86 (ROUND HEAD WOOD SCREW)

d		M2	M2.5	M3	M3.5	M4	M4.5	M5	M5.5	M6	M7	M8	M10
d	Max	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0	10.0
	Min.	1.86	2.25	2.75	3.2	3.7	4.2	4.7	5.2	5.7	6.64	7.64	9.64
dk	Max	3.9	4.63	5.8	6.75	7.65	8.6	9.5	10.5	11.05	13.35	15.2	18.9
	Min.	3.5	4.23	5.3	6.25	7.15	8.0	8.9	9.9	10.35	12.55	14.4	18.1
k	Max	1.6	1.98	2.37	2.65	2.95	3.25	3.5	3.95	4.34	4.86	5.5	6.8
	Max	1.4	1.78	2.07	2.35	2.65	2.95	3.2	3.65	3.94	4.46	5.1	6.4
r1		2.3	2.6	3.4	4.0	4.8	5.2	6.0	6.5	6.8	8.2	9.7	12.1
r2		1.4	1.5	1.9	2.1	2.4	2.6	2.9	3.2	3.5	3.8	4.4	5.5
r		0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Punch		1		2					3			4	
Type H Q	M	2.5	2.7	3.7	3.9	4.3	4.5	4.7	6.1	6.6	6.9	8.7	9.7
	Max	1.32	1.52	1.63	1.83	2.23	2.43	2.63	2.76	3.26	3.56	4.35	5.35
	Min.	0.90	1.10	1.06	1.25	1.64	1.84	2.04	2.16	2.65	2.93	3.77	4.75

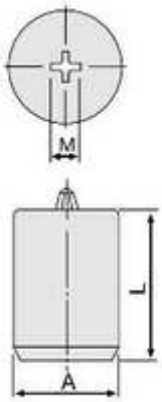


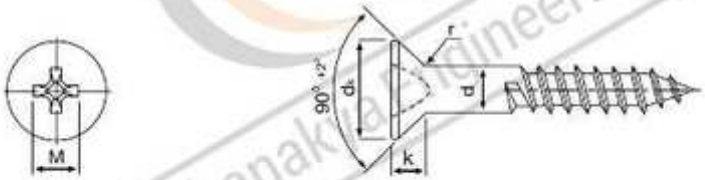




GB/T 951-86 (FLAT HEAD WOOD SCREW)

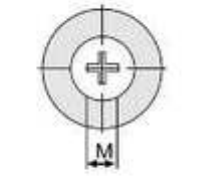
		M2	M2.5	M3	M3.5	M4	M4.5	M5	M5.5	M6	M7	M8	M10
d	Max	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0	10.0
	Min.	1.86	2.25	2.75	3.2	3.7	4.2	4.7	5.2	5.7	6.64	7.64	9.64
dx	Max	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	14.0	16.0	20.0
	Min.	3.7	4.7	5.7	6.64	7.64	8.64	9.64	10.57	11.57	13.57	15.57	19.48
k		1.2	1.4	1.7	2.0	2.2	2.7	3.0	3.2	3.5	4.0	4.5	5.8
r		0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Punch			1			2				3			4
Type H	M	2.5	2.7	3.8	4.2	4.8	5.2	5.4	6.7	7.3	7.8	9.3	10.3
	Max	1.32	1.52	1.73	2.13	2.73	3.13	3.33	3.36	3.96	4.46	4.95	5.95
	Min.	0.95	1.14	1.20	1.60	2.19	2.58	2.77	2.80	3.39	3.87	4.41	5.39

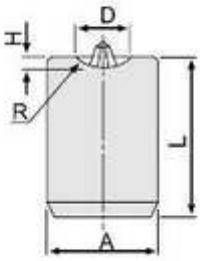


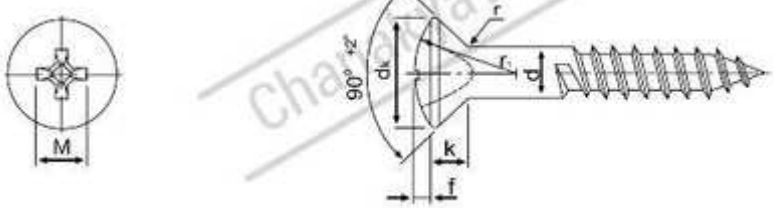


GB/T 952-86 (OVAL HEAD WOOD SCREW)

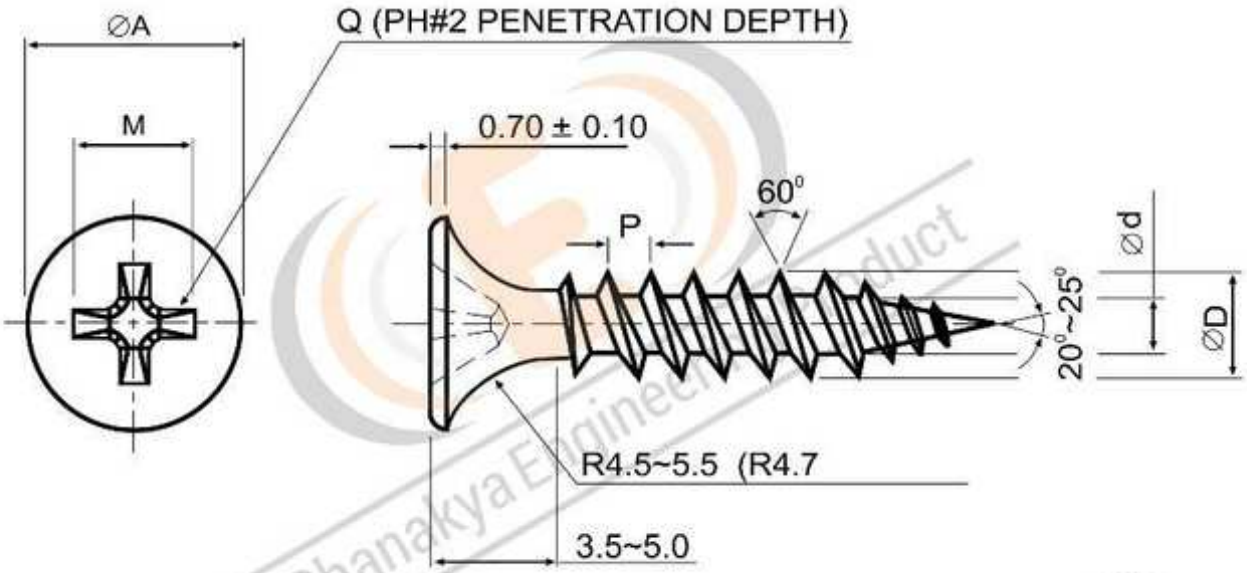
		M2	M2.5	M3	M3.5	M4	M4.5	M5	M5.5	M6	M7	M8	M10
d	Max	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0	10.0
	Min.	1.86	2.25	2.75	3.2	3.7	4.2	4.7	5.2	5.7	6.64	7.64	9.64
dx	Max	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	14.0	16.0	20.0
	Min.	3.7	4.7	5.7	6.64	7.64	8.64	9.64	10.57	11.57	13.57	15.57	19.48
k		1.2	1.4	1.7	2.0	2.2	2.7	3.0	3.2	3.5	4.0	4.5	5.8
f		0.6	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.8	2.1	2.4	3.0
r		0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
rf		3.6	4.3	5.5	6.1	7.3	7.9	9.1	9.7	10.9	12.4	14.5	18.2
Punch			1			2				3			4
Type H	M	2.7	2.9	3.9	4.3	4.9	5.3	5.5	6.8	7.4	7.9	9.5	10.5
	Max	1.52	1.72	1.83	2.23	2.83	3.23	3.43	3.46	4.06	4.56	5.15	6.15
	Min.	1.14	1.34	1.30	1.69	2.28	2.68	2.87	2.90	3.48	3.97	4.60	5.58

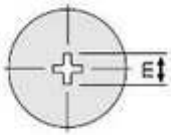






PHILLIPS DRYWALL BUGLE HEAD TAPPING SCREW

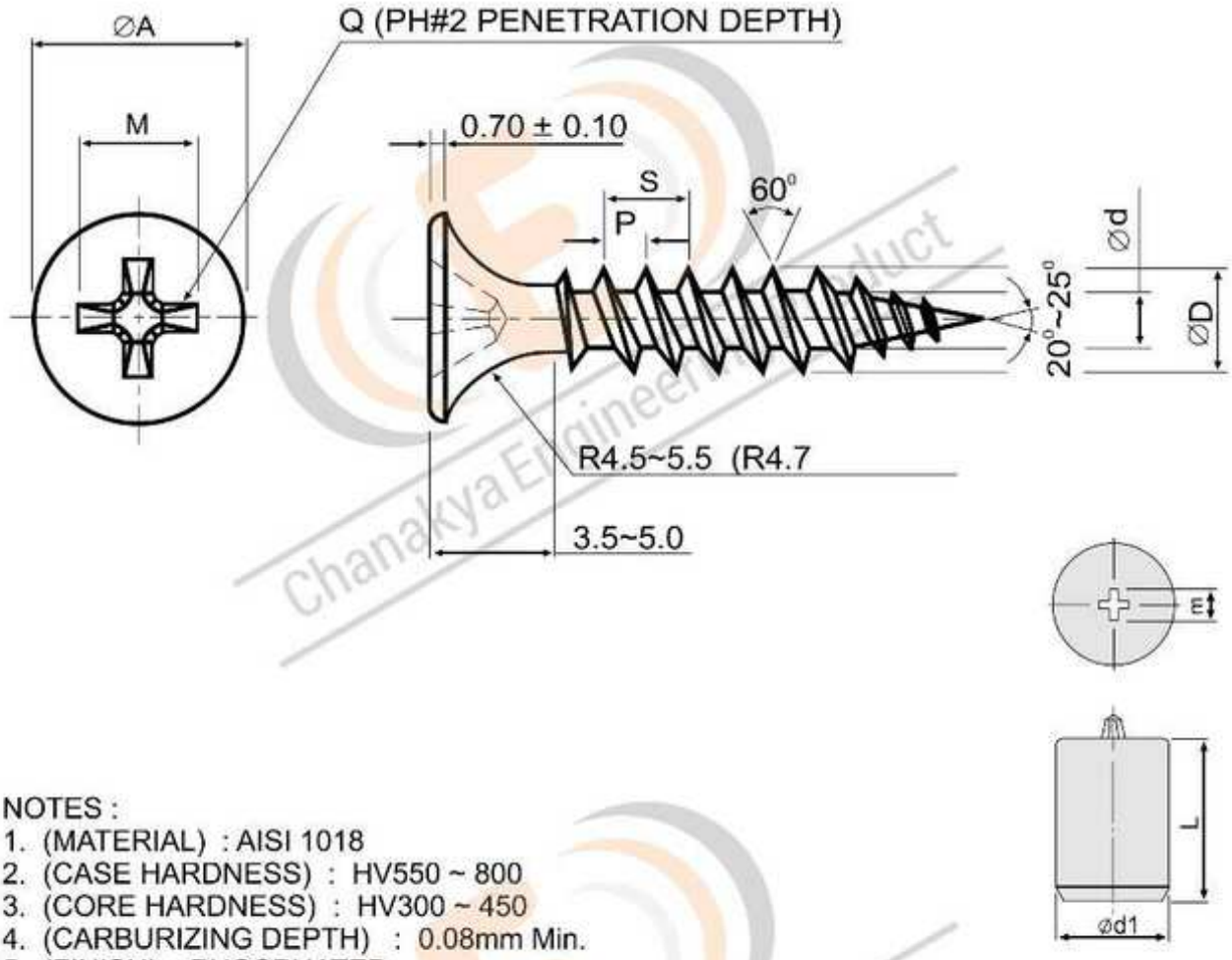




NOTES :
1. (MATERIAL) : AISI 1018
2. (CASE HARDNESS) : HV550 ~ 800
3. (CORE HARDNESS) : HV300 ~ 450
4. (CARBURIZING DEPTH) : 0.08mm Min.
5. (FINISH) : PHOSPHATED

		∅A	M	Q	P	∅d	∅D			
#6	M3.5	8.14 8.50	4.70 5.00	2.59 3.10	2.80	2.10 2.30	3.65 3.90	2.62 2.65	28 MIN.	DWF⊖270X∅12
#7	M3.9	8.14 8.50	4.70 5.00	2.59 3.10	2.80	2.45 2.65	3.90 4.20	2.87 2.90	35 MIN.	DWF⊖270X∅12
#8	M4.2	8.14 8.50	4.70 5.00	2.59 3.10	3.20	2.60 2.80	4.30 4.60	3.17 3.20	46 MIN.	DWF⊖280X∅12
#10	M4.8	8.14 8.50	4.70 5.00	2.59 3.10	3.20	2.90 3.10	4.90 5.30	3.67 3.70	65 MIN.	DWF⊖280X∅12

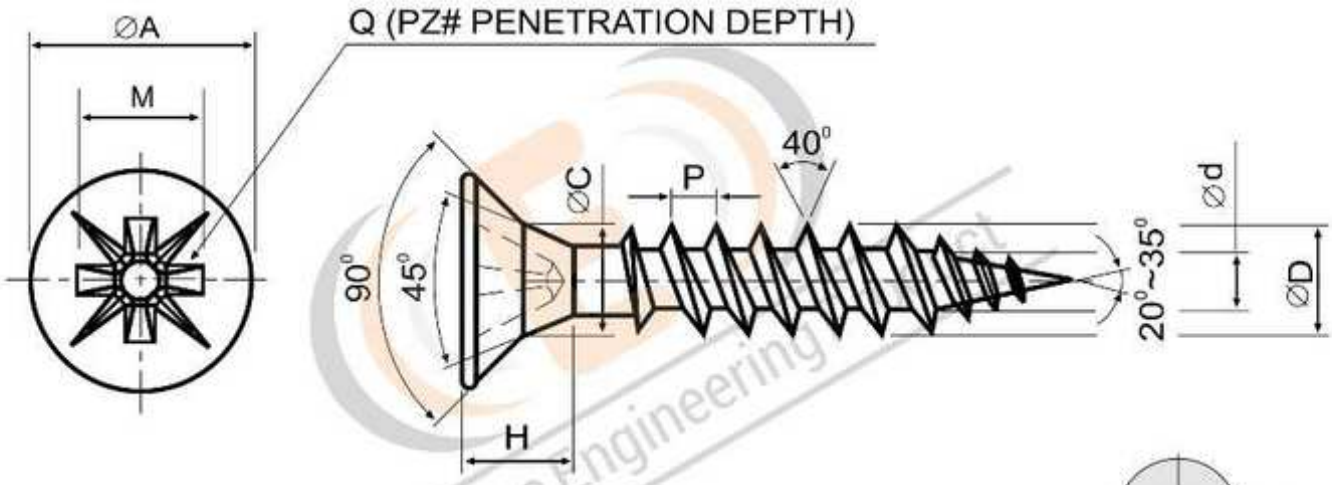
PHILLIPS DRYWALL BUGLE HEAD TAPPING SCREW

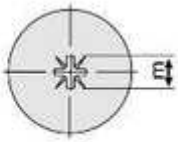


NOTES :
1. (MATERIAL) : AISI 1018
2. (CASE HARDNESS) : HV550 ~ 800
3. (CORE HARDNESS) : HV300 ~ 450
4. (CARBURIZING DEPTH) : 0.08mm Min.
5. (FINISH) : PHOSPHATED

		∅A	M	Q	S	∅d	∅D			
#6	M3.5	8.14 8.50	4.70 5.00	2.59 3.10	2.80	2.25 2.45	3.40 3.70	2.65 2.68	28 MIN.	DWF⊖270X∅12
#7	M3.9	8.14 8.50	4.70 5.00	2.59 3.10	2.80	2.60 2.80	3.70 4.00	2.95 2.98	35 MIN.	DWF⊖270X∅12
#8	M4.2	8.14 8.50	4.70 5.00	2.59 3.10	3.20	2.75 2.95	4.00 4.30	3.15 3.18	46 MIN.	DWF⊖280X∅12
#10	M4.8	8.14 8.50	4.70 5.00	2.59 3.10	3.20	3.05 3.25	4.65 4.95	3.55 3.58	65 MIN.	DWF⊖280X∅12

POZI DRIVE FLAT HEAD CHIPBOARD SCREW

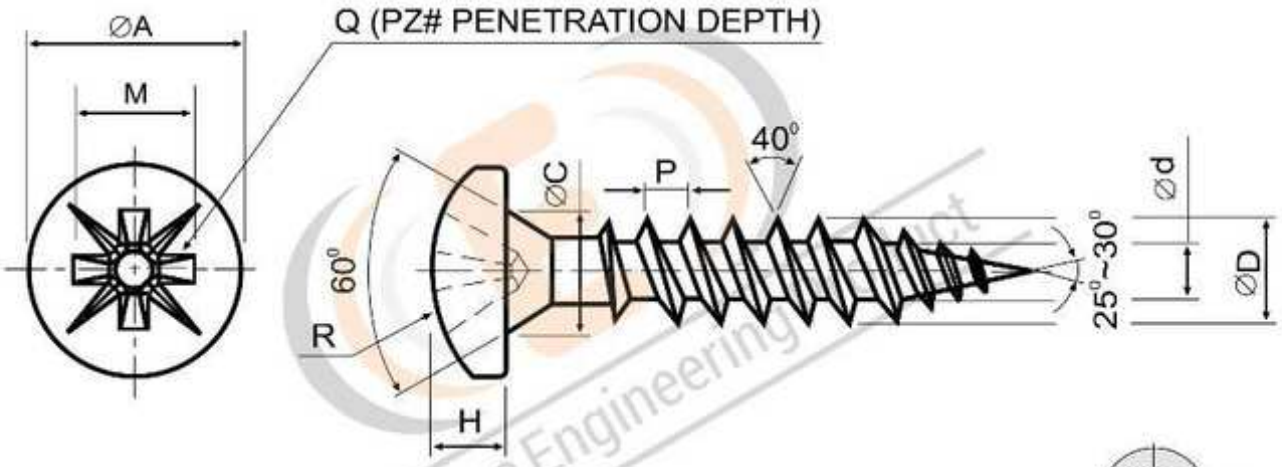


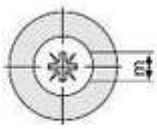


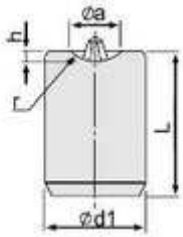
NOTES :
1. (MATERIAL) : AISI 1018 ~ 1022.
2. (CASE HARDNESS) : HV450 ~ 700
3. (CORE HARDNESS) : HV300 ~ 460
4. (CARBURIZING DEPTH) : 0.10 mm Min.
5. (FINISH) :

	ØA	H REF	ØC	M	Q	#	P	ØD	Ød	MIN.	Kgf.cm	
M30	5.70 6.05	3.20	3.00	3.10	1.76 2.01	1	1.35	2.80 3.00	1.70 1.90	2.15	15	1Z-30⊕XØ12
M35	6.64 7.05	3.60	3.50	4.00	1.60 2.06	2	1.60	3.30 3.50	2.00 2.20	2.47	20	2Z-48⊕XØ12
M40	7.64 8.05	4.25	4.00	4.40	2.05 2.51	2	1.80	3.75 4.00	2.25 2.50	2.80	30	2Z-60⊕XØ12
M45	8.64 9.05	4.60	4.50	4.80	2.46 2.92	2	2.00	4.25 4.50	2.45 2.70	3.13	43	2Z-76⊕XØ12
M50	9.64 10.05	5.20	5.00	5.30	2.99 3.45	2	2.20	4.70 5.00	2.70 3.00	3.47	52	2Z-75⊕XØ14
M60	11.60 12.05	6.20	6.00	6.60	2.99 3.45	3	2.60	5.70 6.00	3.40 3.70	4.20	108	3Z-20⊕XØ18

POZI DRIVE PAN HEAD CHIPBOARD SCREW



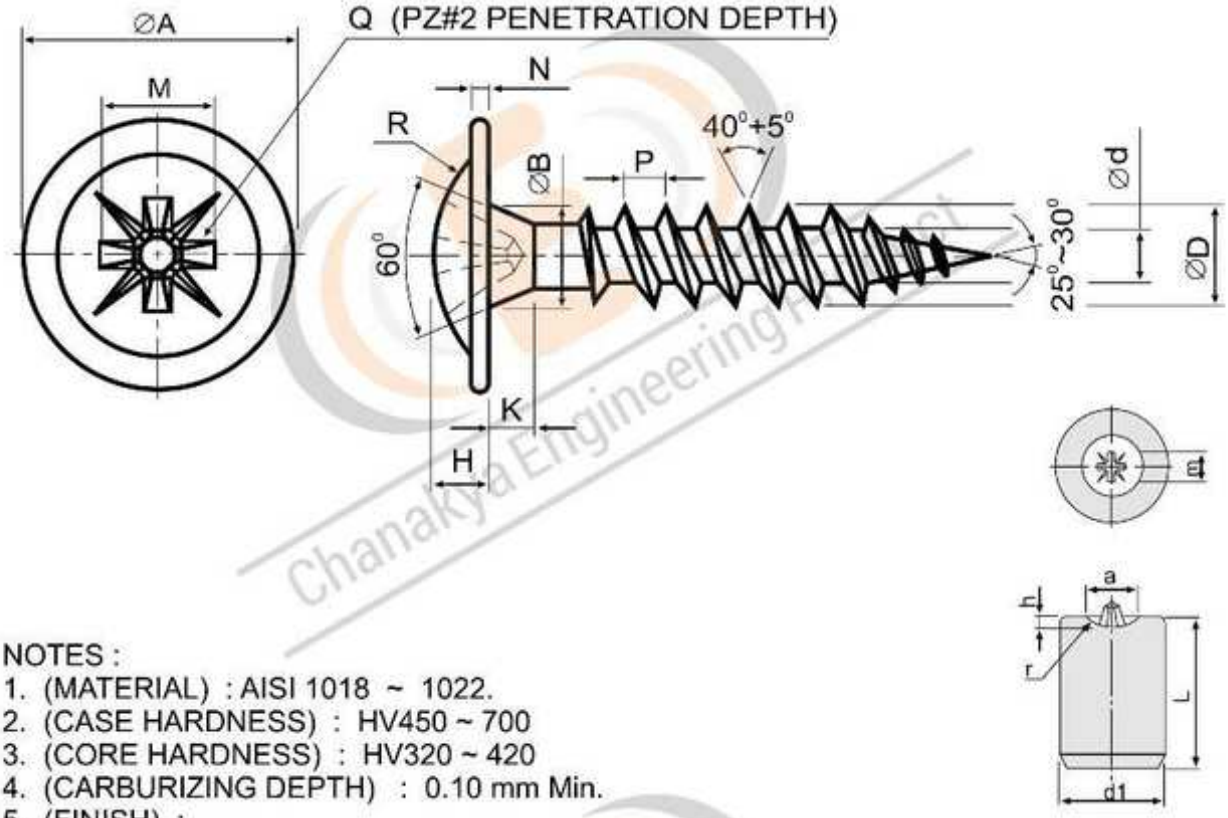




NOTES :
1. (MATERIAL) : AISI 1018 ~ 1022.
2. (CASE HARDNESS) : HV450 ~ 700
3. (CORE HARDNESS) : HV300 ~ 460
4. (CARBURIZING DEPTH) : 0.10 mm Min.
5. (FINISH) :

	ØA	H	R REF.	ØC	M	Q	#	P	ØD	Ød	MIN.	Kgf.cm	
M30	5.64 6.00	2.26 2.40	5.20	2.75 3.00	3.16	1.76 2.06	1	1.35	2.80 3.00	1.70 1.90	2.15	15	AMP⊕M30~6.0XØ12
M35	6.64 7.00	2.46 2.60	6.73	3.20 3.50	4.10	1.81 2.11	2	1.60	3.30 3.50	2.00 2.20	2.47	20	AMP⊕M35~7.0XØ12
M40	7.64 8.00	2.70 3.00	8.13	3.70 4.00	4.65	2.42 2.72	2	1.80	3.75 4.00	2.25 2.50	2.80	30	AMP⊕M40~8.0XØ12
M45	8.64 9.00	2.85 3.15	9.47	4.20 4.50	5.08	2.82 3.15	2	2.00	4.25 4.50	2.45 2.70	3.13	43	AMP⊕M45~9.0XØ12
M50	9.61 10.00	3.20 3.60	10.77	4.70 5.00	5.28	2.89 3.35	2	2.20	4.70 5.00	2.70 3.00	3.47	52	AMP⊕M50~10.0XØ12
M60	11.57 12.00	4.30 4.90	12.00	5.70 6.00	7.00	3.10 3.55	3	2.60	5.70 6.00	340 3.70	4.20	108	AMP⊕M60~12.0XØ12

DIN7962 POZI DRIVE CHIPBOARD SCREW



NOTES :
1. (MATERIAL) : AISI 1018 ~ 1022.
2. (CASE HARDNESS) : HV450 ~ 700
3. (CORE HARDNESS) : HV320 ~ 420
4. (CARBURIZING DEPTH) : 0.10 mm Min.
5. (FINISH) :

	∅A	H Max.	N Max.	R REF.	M	Q	P	∅D	∅d	N.m Min.	∅B	K	
M30	7.5 7.9	1.5	0.8	6.0	3.80	1.60 1.86	1.35	2.75 3.00	1.75 2.10	1.5	4.9 5.1	1.5	DIN7962⊕M30X∅12
M35	8.1 8.6	1.8	0.9	7.0	4.00	1.81 2.11	1.60	3.20 3.50	2.00 2.30	2	4.9 5.1	1.8	DIN7962⊕M35X∅12
M40	9.1 9.6	1.9	1.0	7.0	4.30	1.93 2.34	1.80	3.70 4.00	2.30 2.60	3	5.0 5.2	1.9	DIN7962⊕M40X∅14
M45	10.0 10.6	2.0	1.0	8.0	4.60	2.31 2.72	2.00	4.20 4.50	2.50 2.85	4	5.4 5.6	2.0	DIN7962⊕M45X∅18
M50	11.0 11.6	2.2	1.1	9.0	5.00	2.69 3.10	2.20	4.70 5.00	3.00 3.30	6	5.9 6.1	2.2	DIN7962⊕M50X∅18
M60	13.0 13.6	2.4	1.2	10.0	5.30	2.94 3.36	2.60	5.70 6.00	3.60 3.80	10	6.9 7.1	2.4	DIN7962⊕M60X∅18

POZI

FLAT HEAD

	Q	M		Q	M		Q	M
EZ-2	0.92~1.17	2.20	2Z-10	1.34~1.80	3.70	2Z-40	2.64~3.10	5.00
1Z-10	1.10~1.35	2.40	2Z-48	1.60~2.06	4.00	2Z-75	2.99~3.45	5.30
1Z-20	1.22~1.47	2.50	2Z-11	1.85~2.31	4.20	3Z-850	2.46~2.92	6.10
1Z-540	1.48~1.73	2.80	2Z-60	2.05~2.51	4.40	3Z-11	2.72~3.18	6.30
1Z-30	1.76~2.01	3.10	2Z-30	2.26~2.72	4.70	3Z-20	2.99~3.45	6.60
2Z-2850	1.14~1.60	3.65	2Z-76	2.46~2.92	4.80	3Z-30	3.38~3.84	7.00

PAN HEAD

	Q	M		Q	M		Q	M
1Z-130	1.10~1.35	2.40	2Z-200	1.27~1.73	3.70	3Z-210	2.51~2.97	6.20
1Z-140	1.18~1.59	2.70	2Z-210	1.47~1.93	3.90	3Z-220	3.02~3.48	6.70
1Z-150	1.58~1.83	2.90	2Z-220	1.70~2.16	4.10	3Z-1850	3.32~3.78	7.00
			2Z-230	1.88~2.34	4.30	4Z-90	3.71~4.17	8.50
			2Z-43	2.07~2.53	4.50			
			2Z-250	2.28~2.74	4.70			

OVAL HEAD

	D	Q	M		D	Q	M		D	Q	M
1Z-40	4.1	1.50~1.57	2.78	2Z-80	6.8	2.21~2.36	4.42	2Z-22	9.2	2.89~3.35	5.30
1Z-11	4.4	1.10~1.35	2.40	2Z-15	6.9	1.88~2.34	4.30	PZ7995 5.0	9.7	3.19~3.30	5.30
1Z-22	4.7	1.50~1.75	2.80	2Z140	7.4	2.36~2.51	4.57	3Z-110	10.7	3.27~3.42	6.76
1Z-50	4.8	1.80~1.87	3.08	2Z-18	7.99	2.26~2.72	4.70	3Z-12	10.7	2.92~3.38	6.60
1Z-60	5.5	2.11~2.18	3.39	2Z-120	8.1	2.29~2.74	4.80	PZ7995 5.5	10.7	3.22~3.38	6.72
1Z-14	5.6	1.83~2.08	3.10	PZ7983 4.2	8.2	2.56~2.72	4.78	3Z-14	11.0	3.30~3.76	7.00
1Z-13	5.6	1.83~2.08	3.10	PZ7995 4.5	8.6	3.00~3.15	5.21	3Z-120	12.4	3.78~3.93	7.27
2Z-70	6.1	1.72~1.87	3.93	2Z-21	9.7	2.69~3.15	5.10	3Z-15	12.6	3.40~3.86	7.10
2Z-16	6.5	1.83~2.39	4.30	2Z-130	9.4	3.02~3.17	5.23	3Z-17	13.0	4.34~4.80	8.00

POZI

ANSI MACHINE & TAPPING

	#2	#3	#4	#5	#6	#7	#8	#10	#12	1/4
FLAT	1Z-10	1Z-20	1Z-30	2Z-10	2Z-11	2Z-60	2Z-30	2Z-40	3Z-20	3Z-30
OVAL	1Z-40	1Z-50	1Z-60	2Z-70	2Z-80	2Z-140	2Z-120	2Z-130	3Z-110	3Z-120
ROUND			1Z-440	2Z-300	2Z-150	2Z-160	2Z-170	2Z-190	3Z-160	3Z-190
PAN	1Z-130	1Z-140	1Z-150	2Z-200	2Z-210	2Z-220	2Z-230	2Z-250	3Z-210	3Z-220
TRUSS	1Z-1000	1Z-190	1Z-1020	2Z-1030	2Z-3210	2Z-3220	2Z-3230	2Z-3240	3Z-1670	3Z-1680
BINDING	1Z-630	1Z-640	1Z-620	2Z-1440	2Z-1330		2Z-1450	2Z-1430	3Z-960	3Z-970
FILLISTER	1Z-130	1Z-140	1Z-150	2Z-3460	2Z-210	2Z-220	2Z-230	2Z-250	3Z-210	3Z-220

ANSI WOOD

	#2	#3	#4	#5	#6	#7	#8	#9	#10	#12	1/4
FLAT	1Z-10	1Z-20	1Z-30	2Z-10	2Z-11	2Z-30	2Z-40	2Z-50	3Z-10	3Z-30	3Z-40
OVAL	1Z-40	1Z-50	1Z-60	2Z-70	2Z-80	2Z-90	2Z-100	2Z-110	3Z-60	3Z-80	3Z-90
ROUND				2Z-300	2Z-150	2Z-160	2Z-170		3Z-190	3Z-160	3Z-170

DIN MACHINE

	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10
F DIN965		1Z-20	1Z-540	2Z-10	2Z-48	2Z-60	3Z-850	4Z-1060	4Z-10
O DIN966		1Z-22	1Z-14	2Z-16	2Z-18	2Z-22	3Z-14	4Z-19	4Z-85
L DIN7985		1Z-21	1Z-23	2Z-47	2Z-35	2Z-37	3Z-220	4Z-19	4Z-86

DIN TAPPING

	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
F DIN7982	1Z-10	1Z-540	2Z-48	2Z-11	2Z-60	2Z-40	3Z-11	3Z-30
O DIN7983	1Z-11	1Z-13	2Z-15	2Z-17	2Z-18	2Z-21	3Z-12	3Z-15
L DIN7981	1Z-130	1Z-150	2Z-210	2Z-220	2Z-230	2Z-250	3Z-210	3Z-220

DIN WOOD

	2.5	3	3.5	4	4.5	5	5.5	6	7	8
F DIN7997	1Z-540	1Z-30	2Z-48	2Z-60	2Z-76	2Z-75	3Z-11	3Z-20	3Z-30	4Z-1060
O DIN7995	1Z-22	1Z-14	2Z-16	2Z-18	2Z-21	2Z-22	3Z-12	3Z-14	3Z-17	4Z-19
L DIN7996	1Z-130	1Z-150	2Z-210	2Z-220	2Z-230	2Z-250	3Z-210	3Z-220	3Z-1850	

POZI DIN

DIN 965(DIN FALT HEAD MACHINE SCREW)

POZI		Q	
1Z-20	M2.5	1.47	1.22
1Z-540	M3.0	1.73	1.48
2Z-10	M3.5	1.80	1.34
2Z-48	M4.0	2.06	1.60
2Z-60	M5.0	2.51	2.05
3Z-850	M6.0	2.92	2.46
4Z-1060	M8.0	4.32	3.86
4Z-10	M10.0	5.23	4.77

DIN 966 (DIN OVAL HEAD MACHINE SCREW)

POZI		Q	
1Z-22	M2.5	1.75	1.50
1Z-14	M3.0	2.08	1.83
2Z-16	M3.5	2.39	1.83
2Z-18	M4.0	2.72	2.26
2Z-22	M5.0	3.35	2.89
3Z-14	M6.0	3.76	3.30
4Z-19	M8.0	4.52	4.00
4Z-85	M10.0	5.74	5.28

DIN 7981 (DIN PAN HEAD TAPPING SCREW)

POZI		Q	
1Z-130	M2.2	1.35	1.10
1Z-150	M2.9	1.83	1.58
2Z-210	M3.5	1.93	1.47
2Z-220	M3.9	2.16	1.70
2Z-230	M4.2	2.34	1.88
2Z-250	M4.8	2.74	2.28
3Z-210	M5.5	2.97	2.51
3Z-220	M6.3	3.48	3.02

DIN 7982 (DIN FLAT HEAD TAPPING SCREW)

POZI		Q	
1Z-10	M2.2	1.35	1.10
1Z-540	M2.9	1.73	1.48
2Z-48	M3.5	2.06	1.60
2Z-11	M3.9	2.31	1.85
2Z-60	M4.2	2.51	2.05
2Z-40	M4.8	3.10	2.64
3Z-11	M5.5	3.18	2.72
3Z-30	M6.3	3.84	3.38

DIN 7983 (DIN OVAL HEAD MACHINE SCREW)

POZI		Q	
1Z-11	M2.2	1.35	1.10
1Z-13	M2.9	2.08	1.83
2Z-15	M3.5	2.34	1.88
2Z-17	M3.9	2.46	2.00
2Z-18	M4.2	2.72	2.26
2Z-21	M4.8	3.15	2.69
3Z-12	M5.5	3.38	2.92
3Z-15	M6.3	3.86	3.40

DIN 7985 (DIN FILLISTER HEAD MACHINE SCREW)

POZI		Q	
0Z-3	M2.0	1.42	1.10
1Z-21	M2.5	1.62	1.27
1Z-23	M3.0	1.93	1.68
2Z-47	M3.5	2.11	1.65
2Z-35	M4.0	2.36	1.90
2Z-37	M5.0	3.10	2.64
3Z-220	M6.0	3.48	3.02
4Z-19	M8.0	4.52	4.06
4Z-86	M10.0	5.69	5.23

DIN 7995 (DIN OVAL HEAD WOOD SCREW)

POZI		Q	
1Z-22	M2.5	1.75	1.50
1Z-14	M3.0	2.08	1.83
2Z-16	M3.5	2.39	1.83
2Z-18	M4.0	2.72	2.26
2Z-21	M4.5	3.15	2.69
2Z-22	M5.0	3.35	2.89
3Z-12	M5.5	3.38	2.92
3Z-14	M6.0	3.76	3.30
3Z-17	M7.0	4.80	4.34
4Z-19	M8.0	4.52	4.06

DIN 7997 (DIN FLAT HEAD WOOD SCREW)

POZI		Q	
1Z-540	M2.5	1.73	1.48
1Z-30	M3.0	2.01	1.76
2Z-48	M3.5	2.06	1.60
2Z-60	M4.0	2.51	2.05
2Z-76	M4.5	2.92	2.46
2Z-75	M5.0	3.45	2.99
3Z-11	M5.5	3.18	2.72
3Z-20	M6.0	3.45	2.99
3Z-30	M7.0	3.84	3.38
4Z-1060	M8.0	4.32	3.86