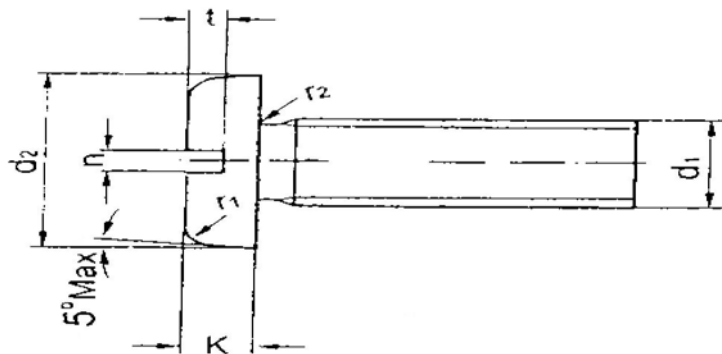
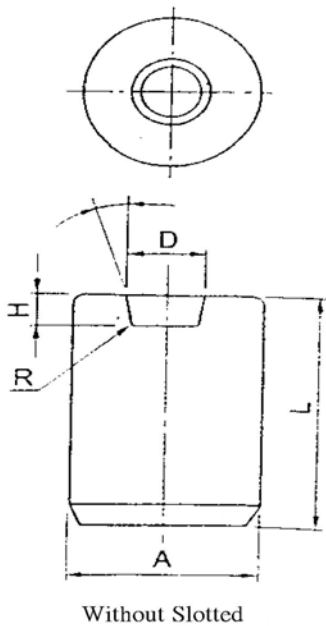


DMC (DIN CHEESE HEAD MACHINE SCREW)

<DIN84>

SIZE (d1)	M2	(M2.3)	M2.5	(M2.6)	M3	(M3.5)	M4	M5	M6
d2	3.8	4.4	4.5	5	5.5	6	7	8.5	10
+/-	+0~-0.18						+0~-0.22		
k	1.3	1.5	1.6	1.7	2	2.4	2.6	3.3	3.9
+/-	+0~-0.14						+0~-0.18		
n	0.5	0.6	0.6	0.6	0.8	0.8	1	1.2	1.6
t	min.	0.6	0.7	0.7	0.8	0.9	1.1	1.2	1.5
	max.	0.8	0.9	0.9	1	1.15	1.4	1.5	1.8
Punch Code	DMC-B M2.0	DMC-B M2.3	DMC-B M2.5	DMC-B M2.6	DMC-B M3.0	DMC-B M3.5	DMC-B M4.0	DMC-B M5.0	DMC-B M6.0



DIN

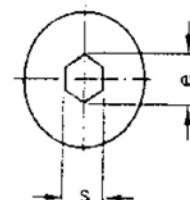
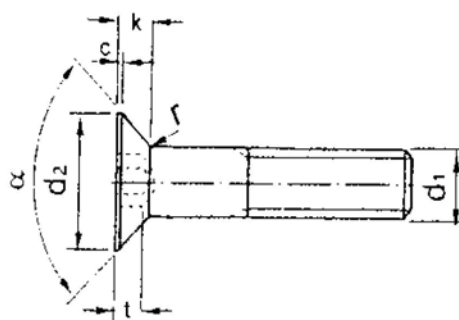
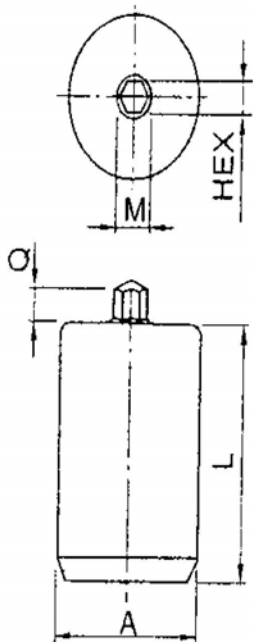
Header Punch Type



DMF(6H) (DIN FLAT HEX RECELS SCREW)

<DIN7991>

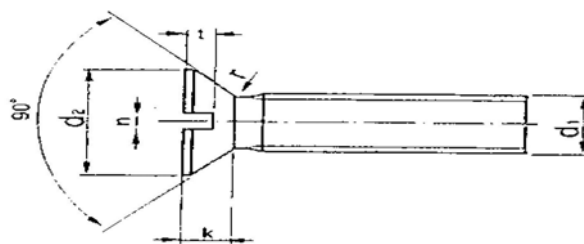
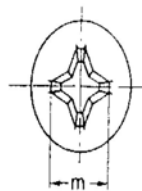
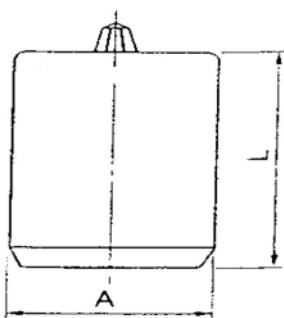
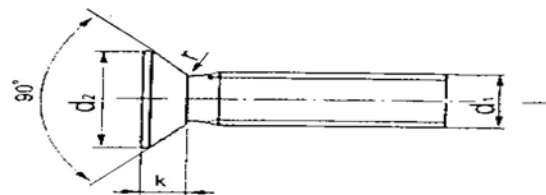
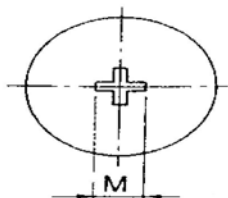
SIZE (d1)		M3	M4	M5	M6	M8	M10
		—	—	—	—	M8X1.0	M10x1.25
α		90°					
c		0.2	0.3	0.3	0.3	0.4	0.5
d2		6	8	10	12	16	20
e $\equiv$		2.3	2.9	3.5	4.7	5.8	7
k		1.7	2.3	2.8	3.3	4.4	5.5
r		0.1	0.2	0.2	0.3	0.5	0.5
s	Dim.	2	2.5	3	4	5	6
	min.	2.02	2.52	3.02	4.02	5.02	6.02
	max.	2.10	2.60	3.10	4.12	5.14	6.14
t		1.2	1.8	2.3	2.5	3.5	4.4
Punch		DMF(6H)	DMF(6H)	DMF(6H)	DMF(6H)	DMF(6H)	DMF(6H)
Code		M3	M4	M5	M6	M8	M10



DMF (DIN FLAT HEAD MACHINE SCREW)

<DIN965>

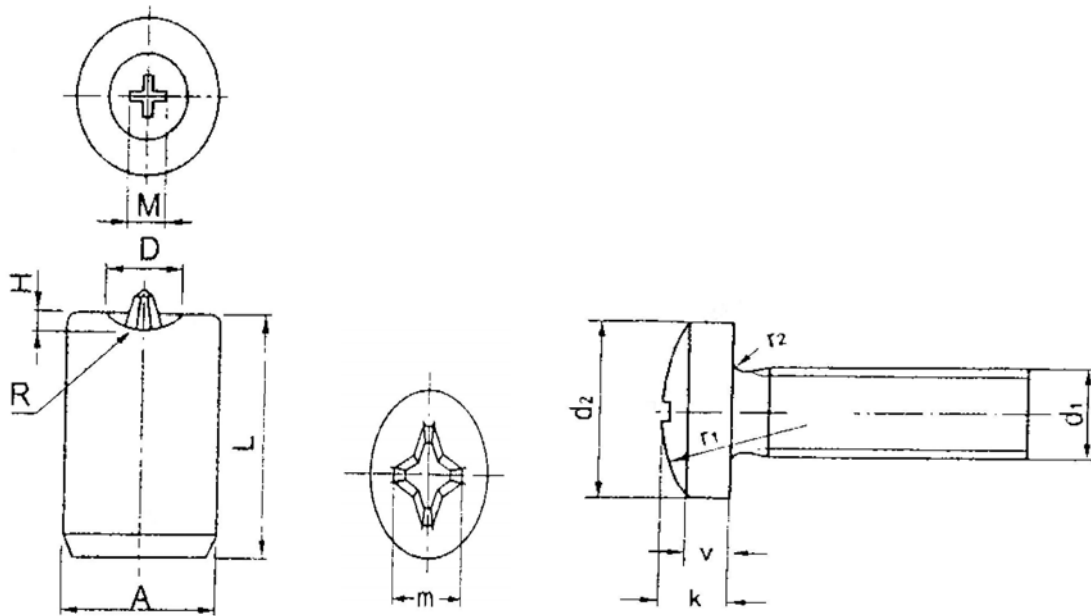
SIZE (d1)		M2.5	M3	(M3.5)	M4	M5	M6
d2		4.7	5.6	6.5	7.5	9.2	11
	+/-	+0~-0.3		+0~-0.36			+0~-0.43
k	max.	1.5	1.65	1.93	2.2	2.5	3
r	max.	0.7	0.8	0.95	1	1.3	1.6
PUNCH No.		1		2			3
m		2.7	2.9	3.9	4.4	4.6	6.6
Q (Penetration)	min.	1.25	1.5	1.4	1.9	2.1	2.8
	max.	1.55	1.8	1.9	2.4	2.6	3.3
n		0.6	0.8	0.8	1	1.2	1.6
r	max.	0.25	0.3	0.35	0.4	0.5	0.6
t	min.	0.5	0.6	0.7	0.8	1	1.2
	max.	0.7	0.85	1	1.1	1.3	1.6
Punch		DMF	DMF	DMF	DMF	DMF	DMF
Code		M2.5	M3.0	M3.5	M4.0	M5.0	M6.0



DML (DIN FILLISTER HEAD MACHINE SCREW)

<DIN7985>

SIZE (d1)		M2	M2.5	M3	(M3.5)	M4	M5	M6
d2		4	5	6	7	8	10	12
+/-		+0~-0.18			+0~-0.22			+0~-0.27
K		1.6	2	2.4	2.7	3.1	3.8	4.6
+/-		±0.125				±0.15		
r1		4	5	6	7	8	10	12
v		1.1	1.3	1.6	1.9	2	2.5	3
PUNCH No.		1			2			3
m		2.5	2.7	3.1	4.2	4.6	5.3	6.8
Q (Penetration)	min.	1.1	1.3	1.7	1.74	2.04	2.77	3.03
	max.	1.4	1.6	2	2.24	2.54	3.27	3.53
Punch Code		DML M2	DML M2.5	DML 3.0	DML M3.5	DML M4.0	DML M5.0	DML M6.0



DIN

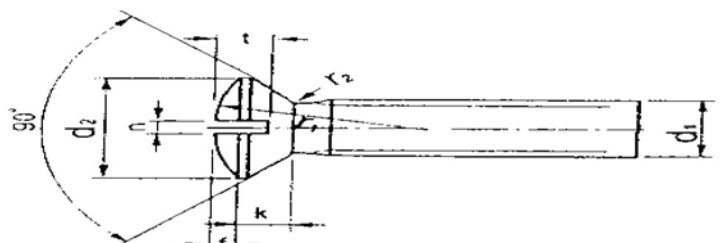
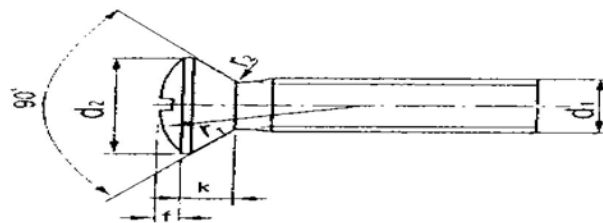
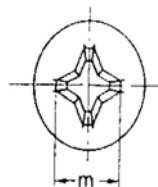
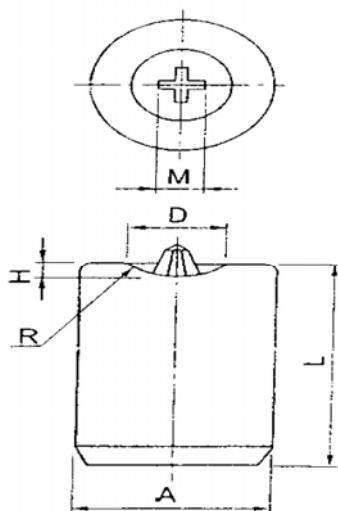
Header Punch Type



DMO (DIN OVAL HEAD MACHINE SCREW)

<DIN966>

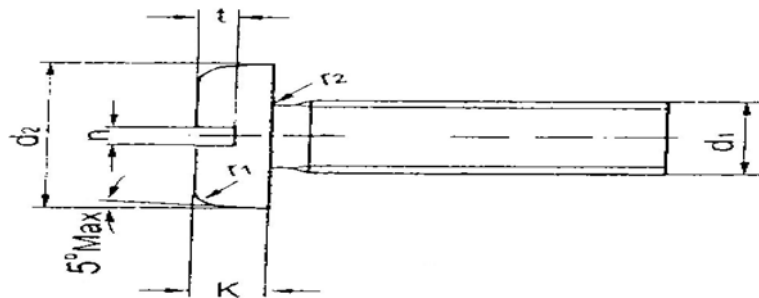
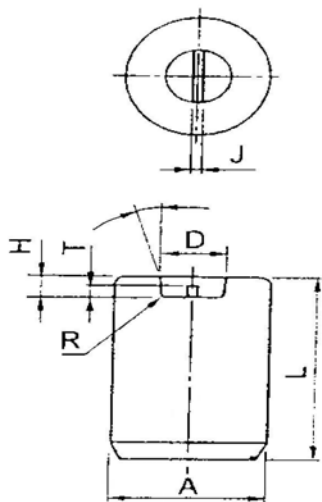
SIZE (d1)		M2.5	M3	(M3.5)	M4	M5	M6
d2		4.7	5.6	6.5	7.5	9.2	11
	+/-	+0~-0.3		+0~-0.36			+0~-0.43
f	≐	0.6	0.75	0.9	1	1.25	1.5
k	max.	1.5	1.65	1.93	2.2	2.5	3
r1	≐	5	6	7	8	10	12
r2	max.	0.7	0.8	0.95	1	1.3	1.6
PUNCH No.		1		2			3
m		2.7	3.1	4.2	4.5	5.3	6.8
Q (Penetration)	min.	1.3	1.7	1.74	2.04	2.77	3.03
	max.	1.6	2	2.24	2.54	3.27	3.53
n		0.6	0.8	0.8	1	1.2	1.6
r2	max.	0.25	0.3	0.35	0.4	0.5	0.6
t	min.	1	1.2	1.4	1.6	2	2.4
	max.	1.2	1.45	1.7	1.9	2.3	2.8
Punch Code		DMO M2.5	DMO M3.0	DMO M3.5	DMO M4.0	DMO M5.0	DMO M6.0



DMP (DIN PAN HEAD MACHINE SCREW)

<DIN85>

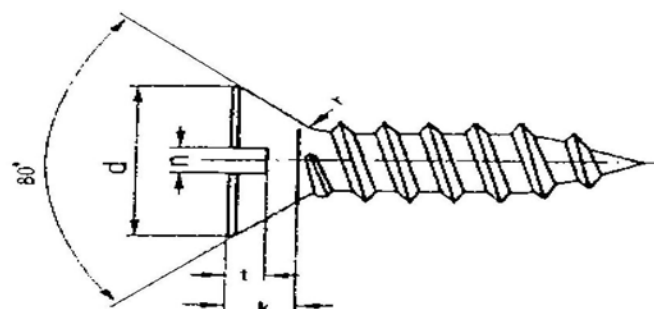
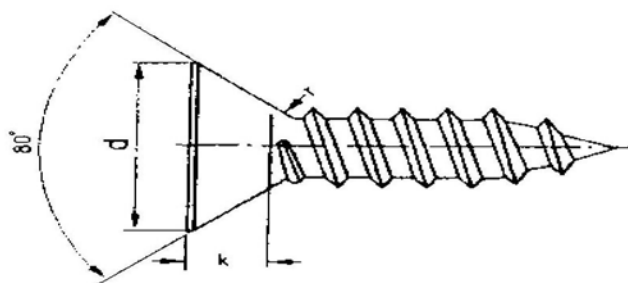
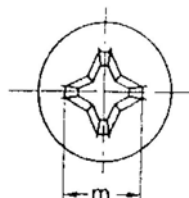
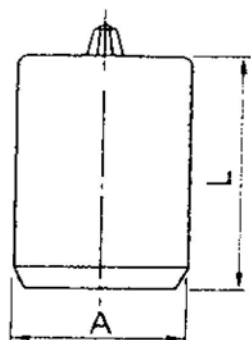
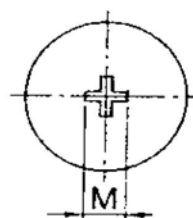
SIZE (d1)		M3	(M3.5)	M4	M5	M6	M8
d2		6	7	8	10	12	16
+/-		+0~-0.18	+0~-0.22			+0~-0.27	
k		1.8	2.1	2.4	3	3.6	4.8
+/-		±0.125			±0.15		
n		0.8	0.8	1	1.2	1.6	2
r1	min.	1.2	1.4	1.6	2	2.4	3.2
	max.	0.6	0.7	0.8	1	1.2	1.6
t	min.	0.7	0.8	1	1.2	1.5	1.9
	max.	0.95	1.1	1.3	1.5	1.9	2.4
Punch Code		DMP-C M3	DMP-C M3.5	DMP-C M4	DMP-C M5	DMP-C M6	DMP-C M8



DTF (DIN FLAT HEAD TAPPING SCREW)

<DIN7982>

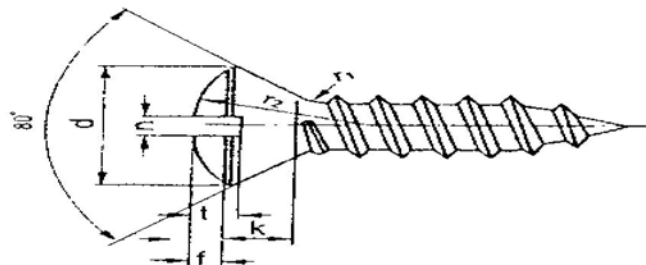
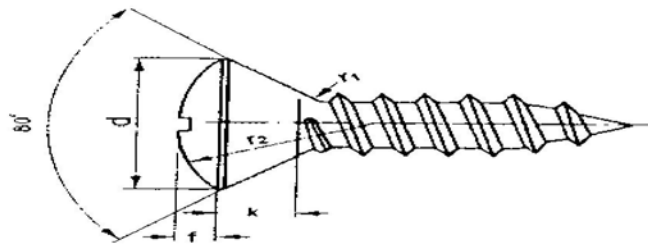
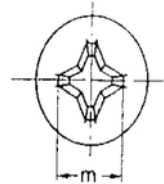
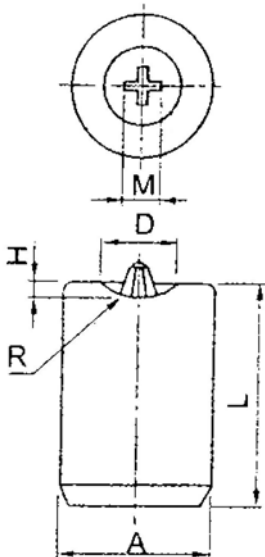
SIZE		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
d		4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
k		1.3	1.7	2.1	2.3	2.5	3	3.4	3.8
r max.		0.8	1.1	1.4	1.5	1.6	1.9	2.1	2.4
PUNCH No.		1		2				3	
m		2.5	3	4.2	4.6	4.7	5.1	6.8	7.1
Q (Penetration)	min.	1.02	1.4	1.62	2.03	2.11	2.59	2.95	3.33
	max.	1.32	1.7	2.12	2.53	2.62	3.1	3.53	3.91
n		0.6	0.8	1	1	1.2	1.2	1.6	1.6
+/-		+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		DTF	DTF	DTF	DTF	DTF	DTF	DTF	DTF
		2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3



DTO (DIN OVAL HEAD TAPPING 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	$\approx$	0.7	0.9	1.2	1.3	1.4	1.5	1.7	2
k	$\approx$	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	$\approx$	3.8	4.6	5.4	6	6.6	8.2	9.4	11.1
PUNCH No.		1		2				3	
m		2.8	3.4	4.6	4.7	4.9	5.4	7	7.4
Q (Penetration)	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		DTO	DTO	DTO	DTO	DTO	DTO	DTO	DTO
		2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3



DIN

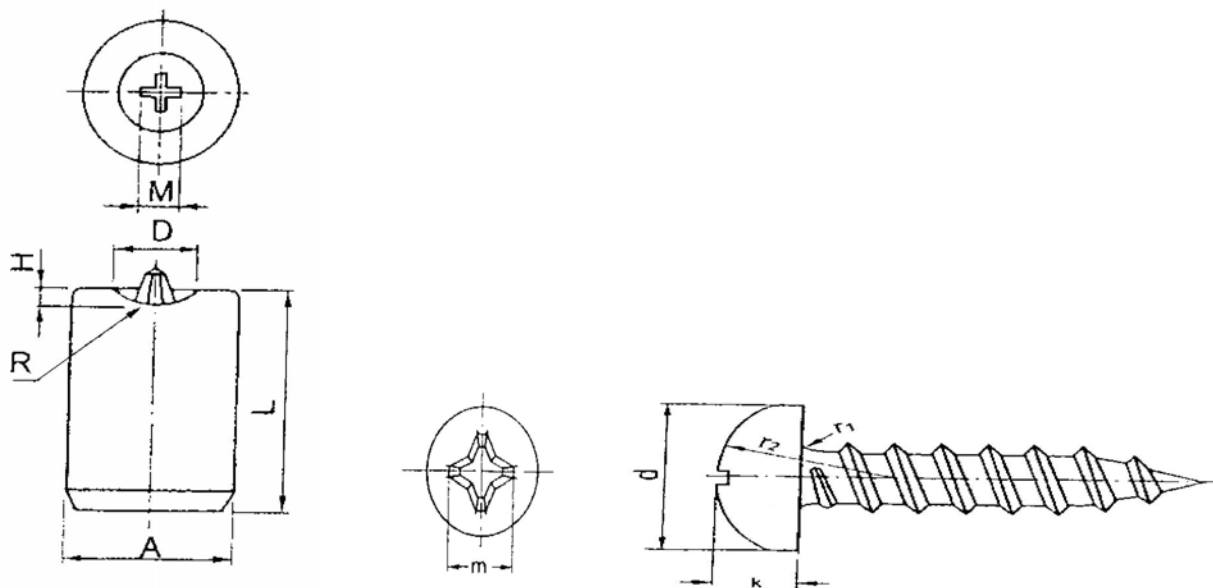
Header Punch Type



DTP (DIN PAN HEAD TAPPING SCREW)

DIN<7981>

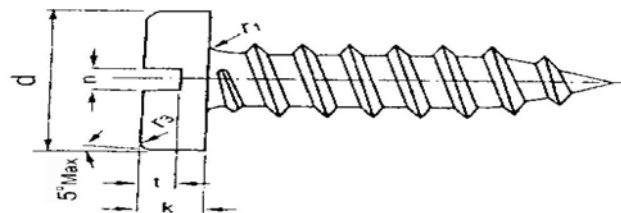
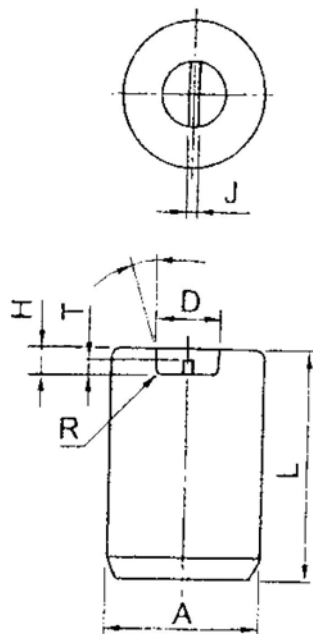
SIZE		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3
d		4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
+/-		+0~-0.3		+0~-0.36			+0~-0.43		
k	max.	1.8	2.2	2.6	2.8	3.05	3.55	3.95	4.55
	min.	1.55	1.95	2.35	2.55	2.75	3.25	3.65	4.25
r1	max.	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
r2	≅	3.4	4.4	5.4	5.8	6.2	7.2	8.2	9.5
PUNCH No.		1		2				3	
m		2.6	3	4.2	4.4	4.6	5	6.5	7.1
Q (Penetration)	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		DTP	DTP	DTP	DTP	DTP	DTP	DTP	DTP
		2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3



DTP (DIN PAN HEAD TAPPING SCREW)

<DIN7971>

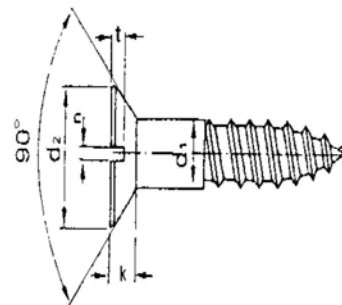
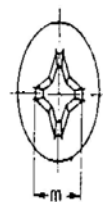
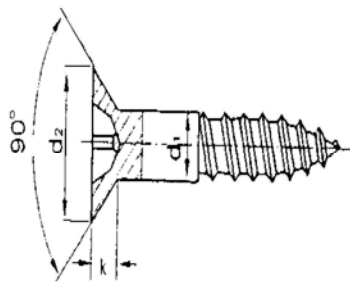
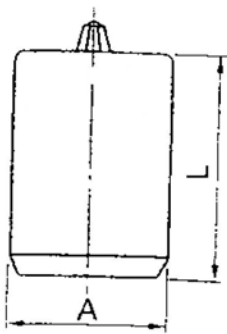
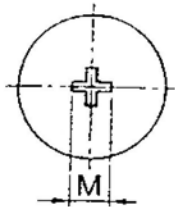
SIZE		2.2	2.9	3.5	(3.9)	4.2	4.8	(5.5)	6.3	
d		4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5	
		+/-		+0~-0.3		+0~-0.36			+0~-0.43	
k		max.	1.35	1.75	2.1	2.25	2.45	2.8	3.2	3.65
		min.	1.15	1.5	1.85	2	2.15	2.5	2.85	3.3
n		0.6	0.8	1	1	1.2	1.2	1.6	1.6	
		+/-		+0.06~0.2			+0.06~0.31			
r1		max.	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
r3		≐	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		DTP-C	DTP-C	DTP-C	DTP-C	DTP-C	DTP-C	DTP-C	DTP-C	
Code		2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3	



DWF (DIN FLAT HEAD WOOD SCREW)

<DIN7997>

SIZE (d1)		(2)	2.5	3	3.5	4	4.5	5	(5.5)	6	(7)	
d2		3.8	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11	12.5	
		+/-		±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
PUNCH No.			1			2			3			
m			2.7	2.9	3.9	4.4	4.6	4.8	6.2	6.6	6.8	
Q (Penetration)	min.		1.25	1.5	1.4	1.9	2.1	2.29	2.31	2.8	2.95	
	max.		1.55	1.8	1.9	2.4	2.6	2.79	2.81	3.3	3.53	
n			0.5	06	0.8	0.8	1	1	1.2	1.2	1.6	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	
	max.	0.6	0.7	0.85	1	1.1	1.2	1.3	1.4	1.6	1.9	
Punch		DWF	DWF	DWF	DWF	DWF	DWF	DWF	DWF	DWF	DWF	
Code		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	



DIN

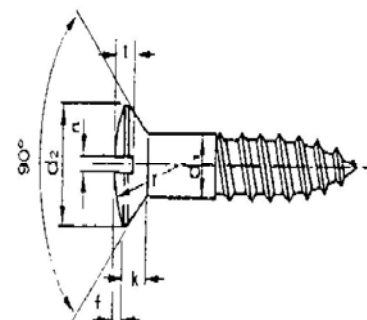
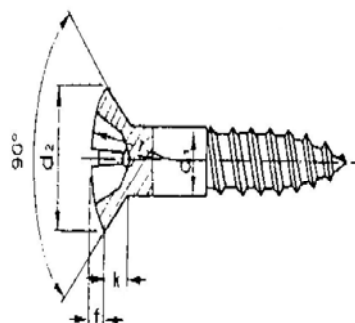
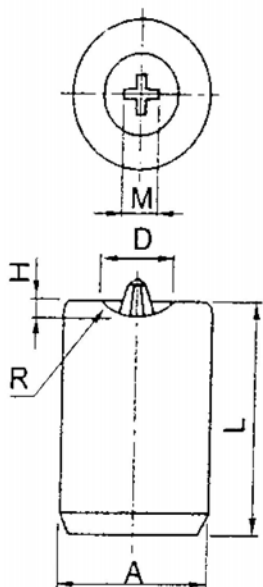
Header Punch Type



DWO (DIN OVAL HEAD WOOD SCREW)

DIN<7995>

SIZE (d1)		(2)	2.5	3	3.5	4	4.5	5	(5.5)	6
d		3.8	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11
	+/-	± 0.375			± 0.45				± 0.55	
f	$\cong$	0.5	0.6	0.75	0.9	1	1.1	1.25	1.4	1.5
k	max.	1.2	1.5	1.65	1.93	2.2	2.35	2.5	2.75	3
r	$\cong$	4	5	6	7	8	9	10	11	12
PUNCH No.			1		2				3	
m			2.7	3.1	4.2	4.5	5.0	5.3	7.1	7.4
Q (Penetration)	min.		1.3	1.7	1.74	2.04	2.55	2.77	3.31	3.66
	max.		1.6	2.0	2.24	2.54	3.05	3.27	3.81	4.16
n		0.5	0.6	0.8	0.8	1	1	1.2	1.2	1.6
		+/-	$+0.20 \sim +0.06$					$+0.31 \sim +0.06$		
t	min.	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4
	max.	1	1.2	1.45	1.7	1.9	2.1	2.3	2.5	2.8
Punch Code			DWO 2.5	DWO 3.0	DWO 3.5	DWO 4.0	DWO 4.5	DWO 5.0	DWO 5.5	DWO 6.0



DWR (DIN ROUND HEAD WOOD SCREW)

DIN<7996>

SIZE (d1)		(2)	2.5	3	3.5	4	4.5	5	(5.5)	6	(7)
d2		4	5	6	7	8	9	10	11	12	14
	+/-	± 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
	+/-	± 0.2					± 0.24				
k	max.	1.4	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2	4.9
r1	$\cong$	3.2	4	4.8	5.6	6.4	7.2	8	8.8	9.6	11.2
r2	$\cong$	1.6	2	2.4	2.8	3.2	3.6	4	4.4	4.8	5.6
PUNCH No.		0	1		2				3		
m			2.3	2.7	3.7	4.1	4.4	4.8	6.2	6.6	7.3
Q (Penetration)	min.		0.85	1.3	1.22	1.62	1.88	2.28	2.42	2.82	3.52
	max.		1.15	1.6	1.72	2.12	2.38	2.78	2.92	3.32	4.02
n		0.5	0.6	0.8	0.8	1	1	1.2	1.2	1.6	2
	+/-	$+0.20 \sim +0.06$						$+0.31 \sim +0.06$			
t	min.	0.75	0.85	1.05	1.2	1.4	1.55	1.75	1.9	2.1	2.45
	max.	0.9	1.1	1.35	1.6	1.8	2	2.3	2.5	2.7	3.2
Punch Code			DWR 2.5	DWR 3.0	DWR 3.5	DWR 4.0	DWR 4.5	DWR 5.0	DWR 5.5	DWR 6.0	DWR 7.0

