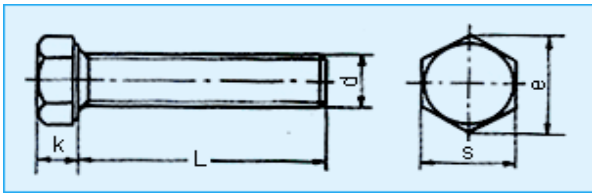


HEXAGON HEAD SCREWS

DIN 933



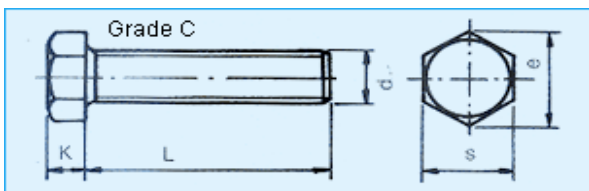
STRENGTH GRADE
8.8
10.9
12.9

mm

Thread size	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	
Pitch	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	
k	2.8	3.5	4	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	
e	Grade A	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	35.98	45.2	50.85
	Grade B	-	8.63	10.89	14.2	18.72	20.88	23.91	26.17	29.56	32.95	35.03	39.55	45.2	50.85
S	7	8	10	13	17	19	22	24	27	30	32	36	41	46	
L	8-40	8-40	8-50	12-60	16-60	20-80	25-80	30-100	30-100	40-100	50-100	50-100	60-100	70-100	

HEXAGON HEAD SCREWS

DIN 558



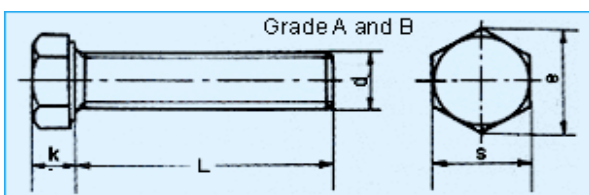
STRENGTH GRADE
8.8

mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36
Pitch	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4
k	3.5	4	5.3	6.4	7.5	10	12.5	15	18.7	22.5
e	8.63	10.89	14.2	18.72	20.88	26.17	32.95	39.55	50.85	60.79
S	8	10	13	17	19	24	30	36	46	55
L	10-40	12-50	16-65	16-80	20-100	25-100	30-100	35-100	40-100	50-100

HEXAGON HEAD SCREWS

ISO 4017



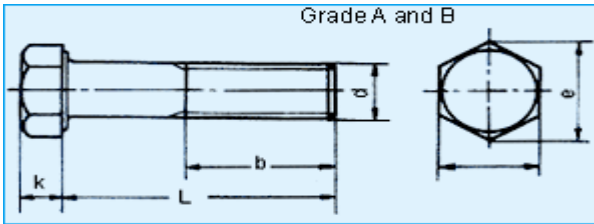
STRENGTH GRADE
8.8
10.9
12.9

mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36
Pitch	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4
k	3.5	4	5.3	6.4	7.5	10	12.5	15	18.7	22.5
e	Grade A	8.79	11.05	14.38	17.77	20.03	26.75	33.53	39.98	-
	Grade B	-	-	-	-	-	26.17	32.95	39.55	50.85
S	8	10	13	16	18	24	30	36	46	55
L	8-40	8-50	12-60	16-60	20-80	30-100	40-100	50-100	70-100	80-100

HEXAGON HEAD BOLTS

DIN 931



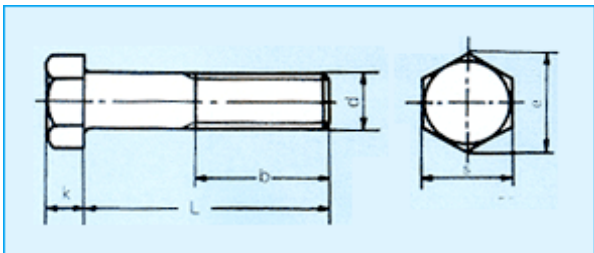
STRENGTH GRADE
8.8
10.9
12.9

mm

Thread size	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	
Pitch	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	
b	L ≤ 125	14	16	18	22	26	30	34	38	42	46	50	54	60	66
	125 < L ≤ 200	-	22	24	28	32	36	40	44	48	52	56	60	66	72
	L > 200	-	-	-	-	45	49	53	57	61	65	69	73	79	85
k	2.8	3.5	4	5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	
e	A	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98	45.2	50.85
	B	-	8.63	10.89	14.20	18.72	20.88	23.91	26.17	29.56	32.95	35.03	39.55	45.2	50.85
S	7	8	10	13	17	19	22	24	27	30	32	36	41	46	
L	25-40	25-50	30-60	35-80	40-100	45-120	50-140	55-160	65-180	65-200	70-220	80-240	90-260	90-300	

HEXAGON HEAD BOLTS

DIN 601



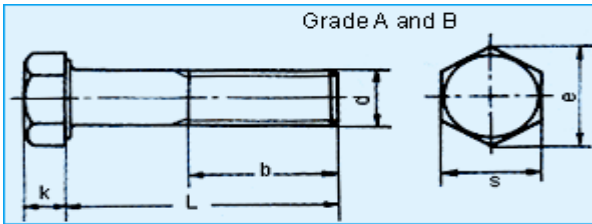
STRENGTH GRADE
4.8

mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M27	M30	M36
Pitch	0.8	1	1.25	1.5	1.75	2	2.5	3	3	3.5	4
b	L ≤ 125	16	18	22	26	30	38	46	54	60	78
	125 < L ≤ 200	22	24	28	32	36	44	52	60	66	84
	L > 200	35	37	41	45	49	57	65	73	79	97
k	3.5	4	5.3	6.4	7.5	10	12.5	15	17	18.7	22.5
e	8.63	10.89	14.2	18.72	20.88	26.17	32.95	39.55	45.2	50.85	60.79
S	8	10	13	17	19	24	30	36	41	46	55
L	25-50	30-60	35-80	40-100	45-100	55-100	65-200	80-240	90-300	90-300	110-300

HEXAGON HEAD BOLTS

ISO 4014



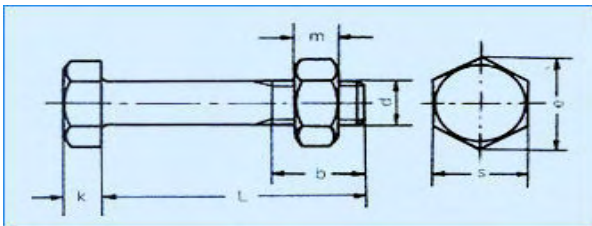
STRENGTH GRADE
8.8
10.9
12.9

mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36+
Pitch	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4
b	L ≤ 125	16	18	22	26	30	38	46	54	66
	125 < L ≤ 200	-	-	-	-	-	44	52	60	72
	L > 200	-	-	-	-	-	-	-	73	85
k	3.5	4	5.3	6.4	7.5	10	12.5	15	18.7	22.5
e	Grade A	8.79	11.05	14.38	17.77	20.03	26.75	33.53	39.98	-
	Grade B	-	-	-	-	-	26.17	32.95	39.56	50.85
S	8	10	13	16	18	24	30	36	46	55
L	25-50	30-60	35-80	40-100	45-120	55-160	65-200	80-240	90-300	110-300

HEXAGON BOLTS WITH HEXAGON NUT

DIN 7990



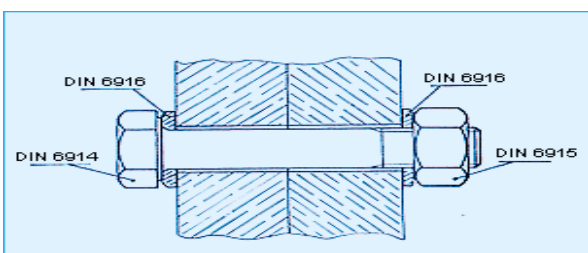
STRENGTH GRADE
10.9

mm

d1	M12	M16	M20	M22	M24	M27	M30
d	17.75	21	23.5	25.5	26	29	30.5
e	20.88	26.17	32.95	35.03	39.55	45.20	50.85
k	8	10	13	14	15	17	19
m	10	13	16	18	19	22	24
s	19	24	30	32	36	41	46
L	30-120	35-150	40-175	40-200	45-200	60-200	80-200

HEXAGON BOLTS WITH LARGE WIDTHS ACROSS FLATS

DIN 6914



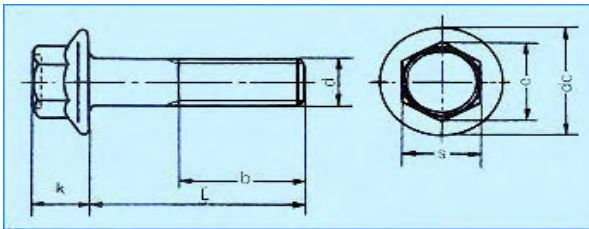
STRENGTH GRADE
10.9

mm

DIN6914	Diameter d	M12-M30	Length L	30-200
DIN 6915 Nuts	Diameter D	M12-M30	-	-
Washers	Diameter d	M13-M31	-	-

HEX FLANGE BOLTS & SCREWS

DIN 6921



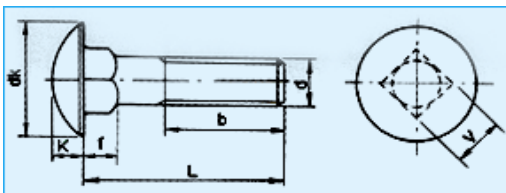
STRENGTH GRADE
4.8
8.8

mm

Thread size	M5	M6	M8	M10	M12	M14	M16	M20
Pitch	0.8	1	1.25	1.5	1.75	2	2	2.5
b	L ≤ 125	16	18	22	26	30	34	38
	125 < L ≤ 200	-	-	28	32	36	40	44
	L > 200	-	-	-	-	-	-	57
dc	11.8	14.2	18	22.3	26.6	30.5	35	43
k	5.4	6.6	8.1	9.2	11.5	12.8	14.4	17.1
e	8.71	10.95	14.26	16.5	17.62	19.86	23.15	29.87
S	8	10	13	15	16	18	21	27
L	oct-50	dic-60	16-80	20-100	25-120	30-140	35-160	40-200

MUSHROOM HEAD SQUARE NECK BOLTS

DIN 603



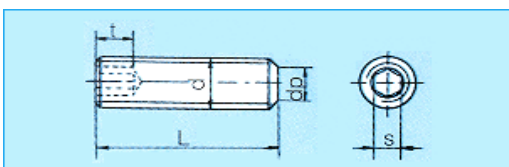
STRENGTH GRADE
4.8
8.8

mm

Thread size	M6	M8	M10	M12
Pitch	1	1.25	1.5	1.75
b	L ≤ 125	18	22	30
	125 < L ≤ 200	24	28	36
	L > 200	-	41	49
dk	16.55	20.65	24.65	30.65
f	4.6	5.6	6.6	8.75
k	3.88	4.88	5.38	6.95
v	6.48	8.58	1.58	12.7
L	16-80	20-100	20-100	30-100

HEXAGON SOCKET SET SCREWS WITH FLAT POINT

DIN 913

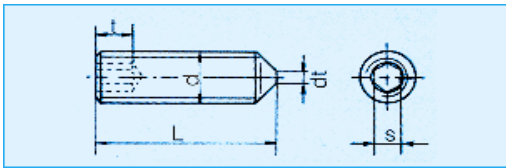


mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M16	M20
dp	2	2.5	3.5	4	5.5	7	8.5	12	15
s	1.5	2	2.5	3	4	5	6	8	10
t	1.2	1.5	2	2	3	4	4.8	6.4	8
L	4-16	5-20	6-25	8-30	10-40	12-50	16-60	20-60	25-60

HEXAGON SOCKET SET SCREWS WITH CONE POINT

DIN 914

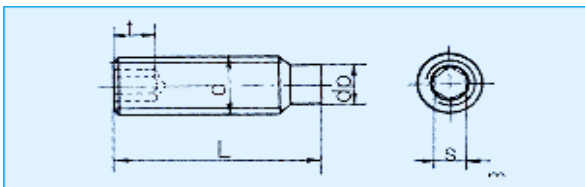


mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M16	M20
dt	-	-	-	1.5	2	2.5	3	4	5
s	1.5	2	2.5	3	4	5	6	8	10
t	1.2	1.5	2	2	3	4	4.8	6.4	8
L	5-16	6-20	8-25	10-30	12-40	16-50	20-60	25-60	30-60

HEXAGON SOCKET SET SCREWS WITH DOG POINT

DIN 915

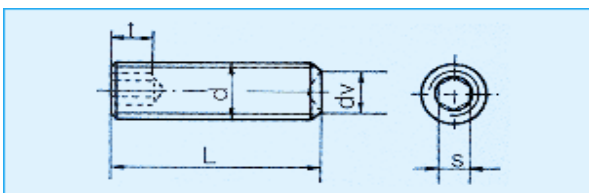


mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M16	M20
dp	2	2.5	3.5	4	5.5	7	8.5	12	15
s	1.5	2	2.5	3	4	5	6	8	10
t	1.2	1.5	2	2	3	4	4.8	6.4	8
Z	short	0.75	1	1.25	1.5	2	2.5	3	4
	Long	1.5	2	2.5	3	4	5	6	8
L	6-16	8-20	10-25	14-30	16-40	20-50	25-60	30-60	35-60

HEXAGON SOCKET SET SCREWS WITH CUP POINT

DIN 916

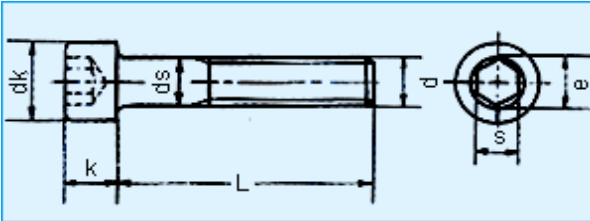


mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M16	M20
dv	1.4	2	2.5	3	5	6	8	10	14
s	1.5	2	2.5	3	4	5	6	8	10
t	1.2	1.5	2	2	3	4	4.8	6.4	8
L	4-16	5-20	6-25	8-30	10-40	12-50	16-60	20-60	25-60

HEXAGON SOCKET HEAD CAP SCREWS

DIN 912



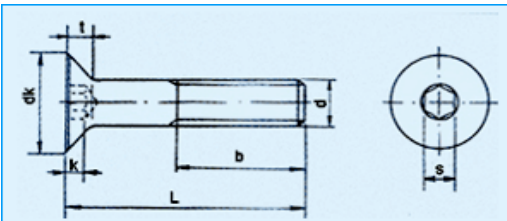
STRENGTH GRADE
8.8
10.9
12.9

mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20
pitch	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5
dk	5.32	6.78	8.28	9.78	12.73	15.73	17.73	20.67	23.67	29.67
ds	3	4	5	6	8	10	12	14	16	20
k	2.86	3.82	4.82	5.7	7.64	9.64	11.57	13.57	15.57	19.48
e	2.87	3.44	4.58	5.72	6.86	9.15	11.43	13.72	16	19.44
s	2.5	3	4	5	6	8	10	12	14	17
L	5-30	6-40	8-50	10-60	12-80	16-100	20-120	25-140	25-160	30-200

HEXAGON SOCKET COUNTERSUNK HEAD CAP SCREWS

DIN 7991

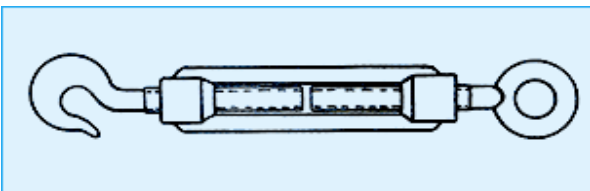


mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M16	M20	
b	L < 125	12	14	16	18	22	26	30	38	46
	125 < L ≤ 200				24	28	32	36	44	52
	L > 200						45	49	57	65
dk	6	8	10	12	16	20	24	30	36	
k	1.70	2.30	2.80	3.30	4.40	5.50	6.50	7.50	8.50	
s	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.0	12.0	
t	0.95	1.55	2.05	2.25	3.20	4.10	4.30	5.00	5.60	
L	8-30	8-40	10-50	12-50	16-60	20-70	25-70	35-90	40-100	

TURNBUCKLE WITH HOOK AND EYE

DIN 1480

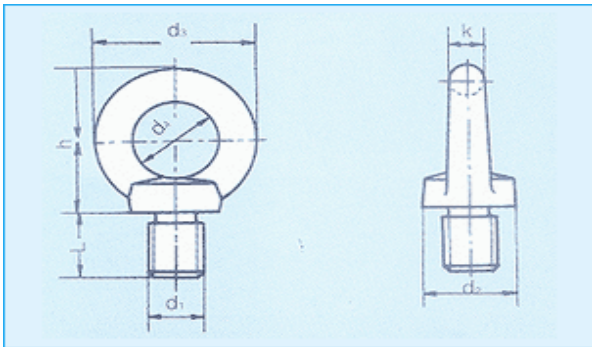


mm

SIZE AVAILABLE										
THREAD SIZE	6X10	8X110	5	5	0	0	0	0	5	5

LIFTING EYE BOLTS

DIN 580

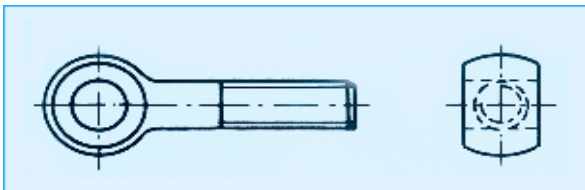


mm

d1	M8	M10	M12	M16	M20	M24	M30	M36
d2	20	25	30	35	40	50	65	75
d3	36	45	54	63	72	90	108	128
d4	20	25	30	35	40	50	60	70
h	36	45	53	62	71	90	109	128
k	8	10	12	14	16	20	24	28
L	13	17	20.5	27	30	36	45	54

EYE BOLTS

DIN 444



mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M30
Length	30-50	30-60	40-80	50-100	60-120	60-150	65-200	80-200	90-300

ANCHOR BOLTS

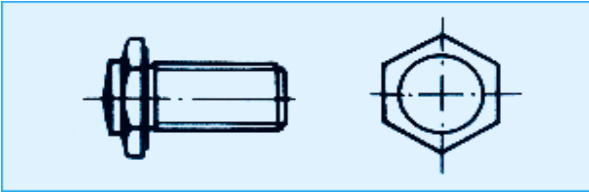
DIN 529



mm

Thread size	M8	M10	M12	M16	M20	M24	M30
Length	80-125	111-160	125-180	140-200	160-250	320	200-400

WELD SCREWS



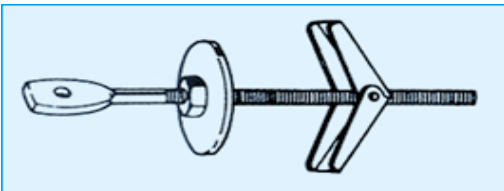
Thread size	M8×19
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DRAW BOLTS



size	1/4-20 × 3-1/2	1/4-20 × 4
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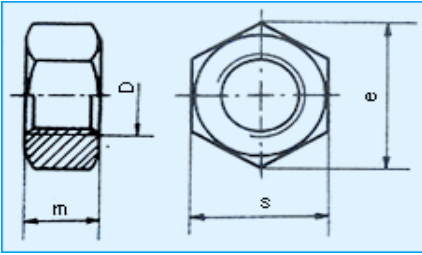
ACOUSTICAL TOGGLES



size	1/4-20 × 4-1/4
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HEXAGON NUTS

DIN 934

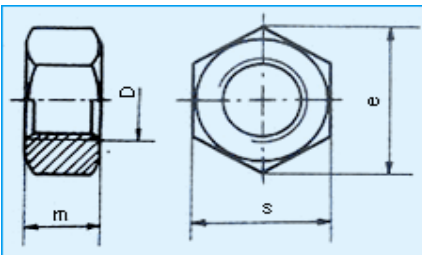


mm

Thread size	M2	M3	M4	M5	M6	M8	M10	M12	M16
Pitch	0.4	0.5	0.7	0.8	1	1.25	1.5	1.75	2
m	1.6	2.4	3.2	4	5	6.5	8	10	13
e	4.32	6.01	7.66	8.79	11.05	14.38	18.9	21.1	16.75
s	4	5.5	7	8	10	13	17	19	24
Thread size	M20	M24	M30	M36	M42	M48	M56		
Pitch	2.5	3	3.5	4	4.5	5	5.5		
m	16	19	24	29	34	38	45		
e	32.95	39.55	50.85	60.79	71.3	82.6	93.56		
s	30	36	46	55	65	75	85		

HEXAGON NUTS

DIN 555

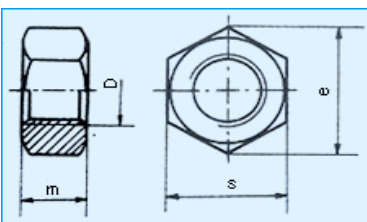


mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56
Pitch	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4	4.5	5	5.5
m	4	5	6.5	8	10	13	16	19	24	29	34	38	45
e	8.63	10.89	14.2	18.72	20.88	26.17	32.95	39.55	50.85	60.79	71.3	82.6	93.56
s	8	10	13	17	19	24	30	36	46	55	65	75	85

BRIGHT MILD STEEL HEX NUTS

B.S. 1083

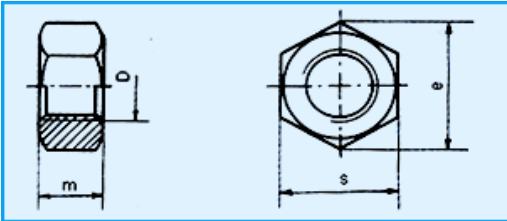


inches

Thread size	1/8	5/32	3/16	1/4	5/16	3/8	7/16	1/2
Pitch	40	32	24	20	18	16	14	12
s	5.59	7.6	8.23	11.30	13.34	15.24	18.03	20.83
e	6.40	8.20	9.50	13.00	15.30	17.50	20.70	24.10
m	3.04	3.88	4.24	5.08	6.35	7.92	9.53	11.10

HEXAGON NUTS

AS 1112

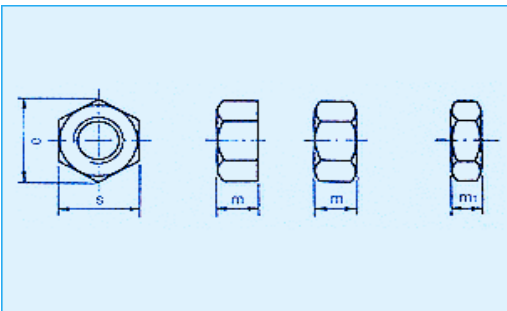


mm

Thread size	M2	M3	M4	M5	M6	M8	M10	M12	M16
Pitch	0.4	0.5	0.7	0.8	1.0	1.25	1.5	1.75	2.0
s	1.6	2.4	3.2	4.7	5.2	6.8	8.4	10.8	14.8
e	4.32	6.01	7.66	8.79	11.05	14.38	17.77	20.03	26.75
s	4	5.5	7	8	10	13	16	18	24
Thread size	M20	M24	M30	M36	M42	M48	M56		
Pitch	2.5	3.0	3.5	4.0	4.5	5.0	5.5		
s	18	21.5	25.6	31	34.8	38.8	45.8		
e	32.95	39.55	50.85	60.79	71.30	82.60	93.50		
s	30	36	46	55	65	75	85		

HEXAGON NUTS

B.S. 1768

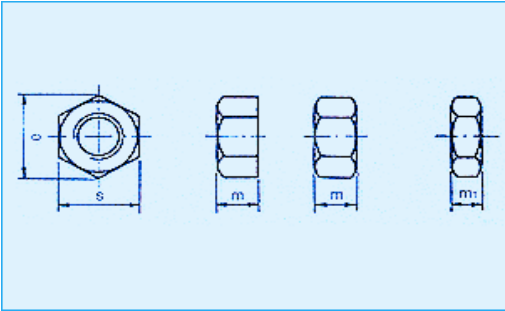


inches

Thread size	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8
e	0.505	0.577	0.650	0.794	0.866	1.010	1.083	1.300	1.515
s	0.437	0.500	0.562	0.687	0.750	0.875	0.937	1.125	1.312
m	0.224	0.271	0.333	0.380	0.442	0.489	0.552	0.651	0.760
m1	0.286	0.333	0.411	0.458	0.567	0.614	0.724	0.822	0.916
m2	0.161	0.192	0.224	0.255	0.317	0.349	0.380	0.432	0.494
Thread size	1	1 1/8	1 1/4	1 3/8	1 1/2	1 3/4	2		
e	1.732	1.948	2.165	2.382	2.598	3.031	3.461		
s	1.500	1.687	1.875	2.062	2.250	2.625	3.000		
m	0.874	0.989	1.087	1.197	1.311	1.530	1.754		
m1	1.015	1.176	1.275	1.400	1.530	-	-		
m2	0.562	0.629	0.744	0.806	0.874	0.999	1.129		

HEXAGON NUTS

B.S. 1769

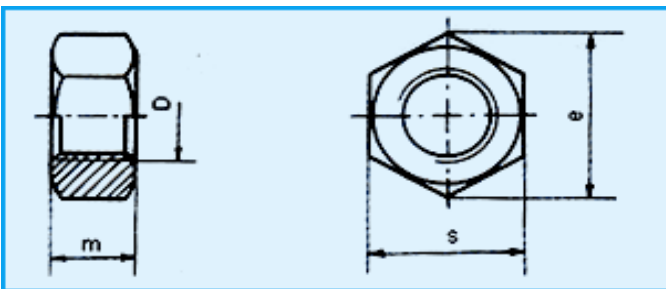


inches

Thread size	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 3/4	2
P UNC	13	11	10	9	8	7	7	6	6	5	4 1/2
P UNF	20	18	16	14	12	12	12	12	12	-	-
e	1.01	1.23	1.44	1.66	1.88	2.09	2.31	2.53	2.74	3.18	3.61
s	0.875	1.062	1.250	1.437	1.625	1.812	2.000	2.187	2.375	2.750	3.125
m	0.520	0.647	0.774	0.901	1.028	1.155	1.282	1.409	1.536	1.790	2.044
m1	0.332	0.397	0.462	0.526	0.590	0.655	0.782	0.846	0.911	1.040	1.169

HEXAGON NUTS

ISO 4032

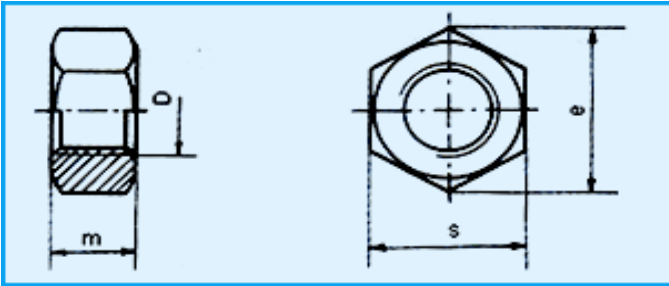


mm

Thread size	M2	M3	M4	M5	M6	M8	M10	M12	M16
Pitch	0.4	0.5	0.7	0.8	1	1.25	1.5	1.75	2
m	1.6	2.4	3.2	4.7	5.2	6.8	8.4	10.8	14.8
e	4.32	6.01	7.66	8.79	11.05	14.38	17.77	20.03	26.75
s	4	5.5	7	8	10	13	16	18	24
Thread size	M20	M24	M30	M36	M42	M48	M56		
Pitch	2.5	3	3.5	4	4.5	5	5.5		
m	18	21.5	25.6	31	34	38	45		
e	32.95	39.55	50.85	60.79	71.3	82.6	93.56		
s	30	36	46	55	65	75	85		

HEXAGON NUTS

ISO 4033

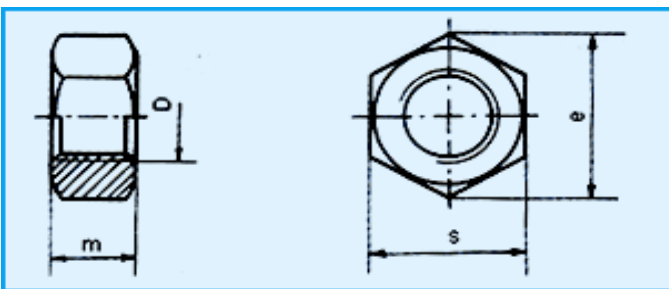


mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36
Pitch	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4
m	5.1	5.7	7.5	9.3	12	16.4	20.3	23.9	28.6	34.7
e	8.79	11.05	14.38	17.77	20.03	26.75	32.95	39.55	50.85	60.79
s	8	10	13	16	18	24	30	36	46	55

HEXAGON NUTS

ISO 4034

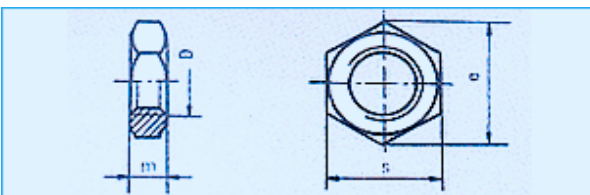


mm

Thread size	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36
Pitch	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4
m	5.6	6.1	7.9	9.5	12.2	15.9	19	22.3	26.4	31.5
e	8.63	10.89	14.20	17.59	19.85	26.17	32.95	39.55	50.85	60.79
s	8	10	13	16	18	24	30	35	45	53.8

HEXAGON THIN NUTS

ISO 4035

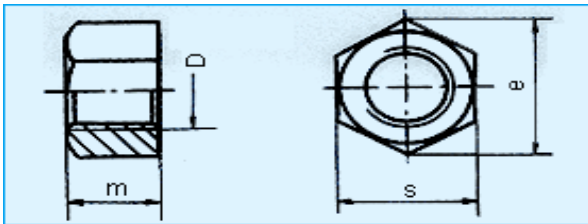


mm

Thread size	M10	M12	M14	M22
Pitch	1.5	1.75	2	2.5
m	5	6	7	11
e	17.77	20.03	23.35	37.29
s	16	18	21	24

BLACK MILD STEEL HEX NUTS

B.S. 916

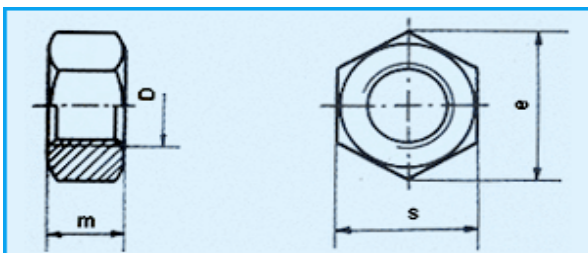


inches

Thread size	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 3/4	2
Thread per inch	11	10	9	8	7	7	6	6	5	4 1/2
s	25.65	30.48	33.02	37.59	42.42	47.24	52.07	56.39	65.53	70.10
e	29.50	35.10	38.00	43.20	48.80	54.30	59.90	64.90	75.40	80.60
m	14.78	17.96	19.81	23.00	26.16	29.59	32.76	35.94	42.55	45.72

HEXAGON NUTS

UNI 5587

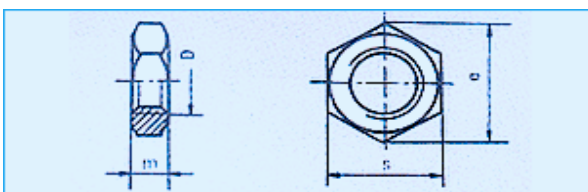


mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30
m	3	4	5	6	8	10	12	16	20	24	30
e	6.08	7.74	8.87	11.05	14.38	18.90	21.10	26.75	33.53	39.98	51.29
s	5.5	7	8	10	13	17	19	24	30	36	46

CHAMFERED HEXAGON THIN NUTS

DIN 439

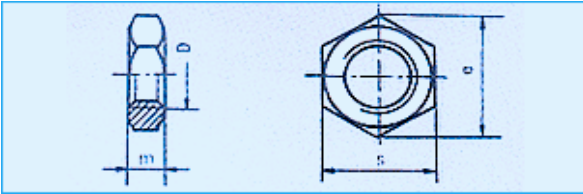


mm

Thread size	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48
Pitch	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2.5	3	3.5	4	4.5	5
m	1.8	2.2	2.7	3.2	4	5	6	8	10	12	15	18	21	24
e	6.01	7.66	8.79	11.05	14.38	18.9	21.1	26.75	32.95	39.55	50.85	60.79	71.3	82.6
s	5.5	7	8	10	13	17	19	24	30	36	46	55	65	75

HEXAGON THIN NUTS

DIN 936

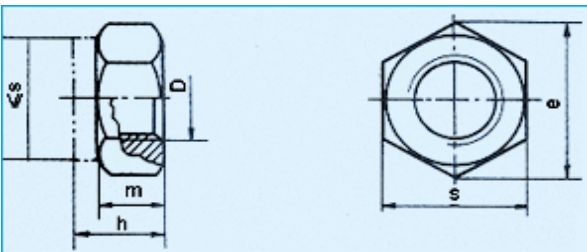


mm

Thread size	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48
Pitch	1.25	1.5	1.75	2	2.5	3	3.5	4	4.5	5
m	5	6	7	8	9	10	12	14	16	18
e	14.38	18.90	21.1	26.75	32.95	39.55	50.85	60.79	71.3	82.6
s	13	17	19	24	30	36	46	55	65	75

ALL-METAL PREVALLING TORQUE TYPE HEXAGON NUTS

DIN 980

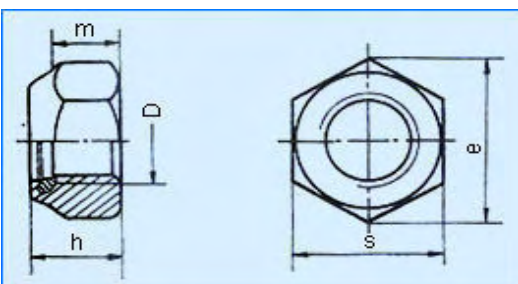


mm

Thread size	M5	M6	M8	M10	M12	M14	M16	M18	M20
Pitch	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5
h	5.1	6	8	10	12	14	16	18	20
e	8.79	11.05	14.38	18.9	21.1	24.49	26.75	29.56	32.95
s	8	10	13	17	19	22	24	27	30

PREVALLING TORQUE TYPE HEXAGON THIN NUTS WITH NONMETALLIC INSERT

DIN 985

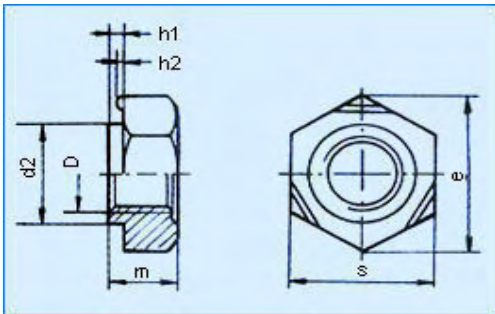


mm

Thread size	M5	M6	M8	M10	M12	M14	M16	M18	M20
Pitch	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5
h	5	6	8	10	12	14	16	18.5	20
m	3.2	4	5.5	6.5	8	9.5	10.5	13	14
e	8.79	11.05	14.38	18.9	21.1	24.49	26.75	29.56	32.95
s	8	10	13	17	19	22	24	27	30

HEXAGON WELD NUTS

DIN 929



mm

Thread size	M4	M5	M6	M8	M10	M12	M16
m	3.5	4	5	6.5	8	10	13
e	9.83	10.95	12.02	15.38	18.74	20.91	26.51
s	9	10	11	14	17	19	24
h ₁	0.65	0.7	0.75	0.9	1.15	1.4	1.8
h ₂	0.35	0.4	0.4	0.5	0.65	0.8	1
d ₂	6	7	8	10.5	12.5	14.8	18.8

HEX CONNECTING NUTS

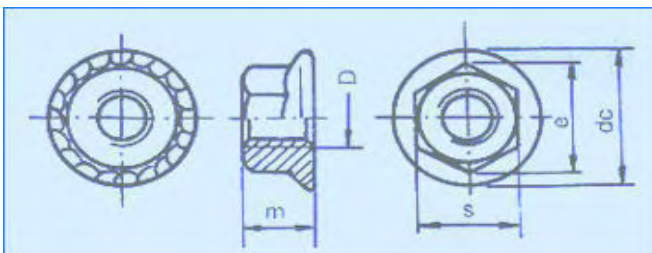
DIN 6334



Thread size	M6	M8	M10	M12	M16
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HEXAGON NUTS WITH FLANGE

DIN 6923

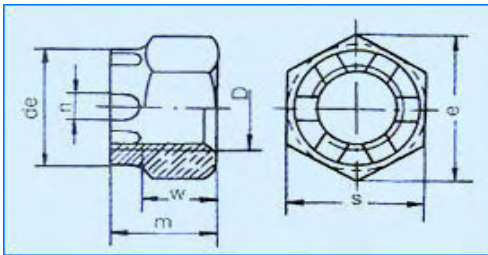


mm

Thread size	M5	M6	M8	M10	M12	M14	M16	M20
Pitch	0.8	1	1.25	1.5	1.75	2	2	2.5
m	5	6	8	10	12	14	16	20
e	8.79	11.05	14.38	16.64	20.03	23.36	26.75	32.95
s	8	10	13	15	18	21	24	30
dc	11.8	14.2	17.9	21.8	26	29.9	34.5	42.8

HEXAGON SLOTTED NUTS

DIN 935

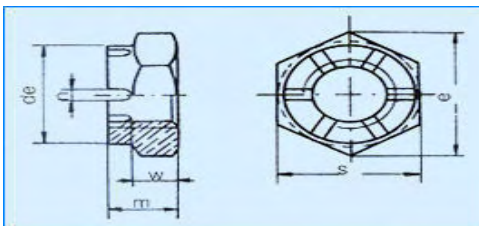


mm

Thread size	M6	M8	M10	M12	M16	M20	M24	M30	M36
m	7.5	9.5	12	15	19	22	27	33	38
e	11.05	14.38	17.77	20.03	26.75	32.95	39.55	50.85	60.79
s	10	13	16	18	24	30	36	46	55
n	2	2.5	2.8	3.5	4.5	4.5	5.5	7	7
w	5	6.5	8	10	13	16	19	24	29
de	-	-	-	16	22	28	34	42	50

HEXAGON THIN SLOTTED NUTS

DIN 937

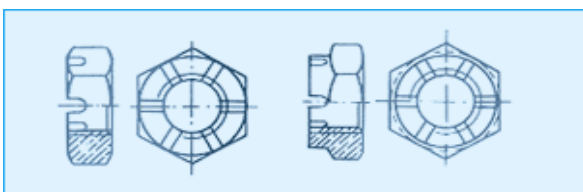


mm

Thread size	M6	M8	M10	M12	M16	M20	M24	M30	M36
m	6	8	9	10	12	13	15	18	20
e	11.05	14.38	18.9	20.1	26.75	32.95	35.55	50.85	60.79
s	10	13	17	19	24	30	36	46	55
n	2	2.5	2.8	3.5	4.5	4.5	5.5	7	7
w	3.5	4.5	5	6	7	8	9	11	13
de	-	-	-	17	22	28	33	41	49

HEXAGON THIN SLOTTED NUTS

DIN 979

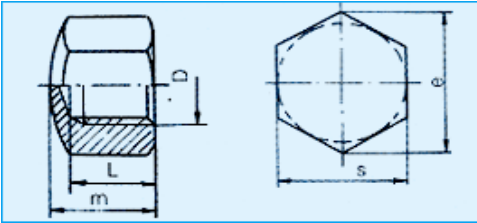


mm

Thread size	M6	M8	M10	M12	M16	M20	M24	M30	M36
m	5	6.5	8	10	13	16	19	24	29
e	11.05	14.38	17.77	20.03	26.75	32.95	39.55	50.85	60.79
s	10	13	16	18	24	30	36	46	55
n	2	2.5	2.8	3.5	4.5	4.5	5.5	7	7
w	2.5	3.5	4	5	7	10	11	15	20
de	-	-	-	16	22	28	34	42	50

HEXAGON CAP NUTS

DIN 917

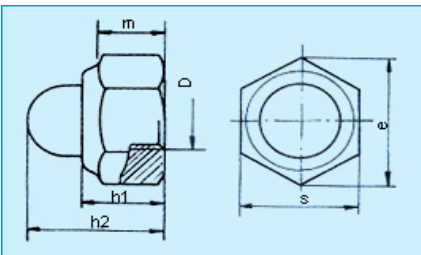


mm

Thread size	M4	M5	M6	M8	M10	M12	M16	M20	M24
m	5.5	7	9	12	14	16	20	25	30
e	7.66	8.79	11.05	14.38	17.77	20.03	26.75	32.95	39.55
s	7	8	10	13	16	18	24	30	36
L	4.16	4.96	6.71	9.21	10.65	13.15	16.65	20.58	23.58

HEXAGON DOMED CAP NUTS

DIN 986

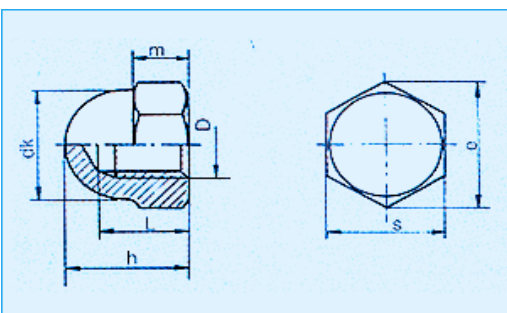


mm

Thread size	M4	M5	M6	M8	M10	M12	M16	M20
m	2.9	4.4	4.9	6.44	8.04	10.37	14.1	16.9
e	7.66	8.79	11.05	14.38	18.9	21.1	26.75	32.95
s	7	8	10	13	16	18	24	30
h ₁	5.6	6	7.5	8.9	10.5	13.5	16.5	21
h ₂	9.6	10.5	12	14	18.1	22.5	27.5	35

HEXAGON DOMED CAP NUTS

DIN 1587

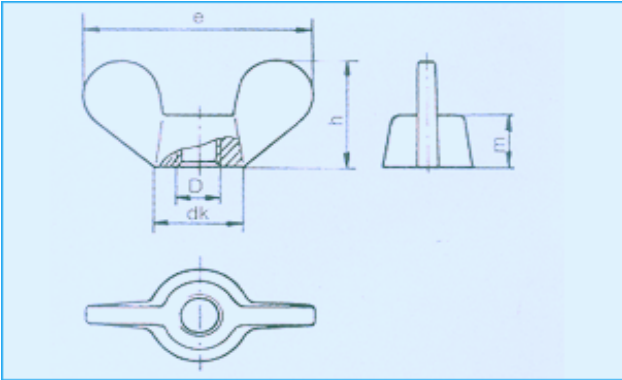


mm

Thread size	M4	M5	M6	M8	M10	M12	M16	M20	M24
m	3.2	4	5	6.5	8	10	13	16	19
e	7.66	8.79	11.05	14.38	17.77	20.03	26.75	33.53	39.98
s	7	8	10	13	16	18	24	30	36
h	8	10	12	15	18	22	28	34	42
L	5.26	7.21	7.71	10.65	12.65	15.65	20.58	25.58	30.5
dk	6.5	7.5	9.5	12.5	15	17	23	28	34

WING NUTS

DIN 315

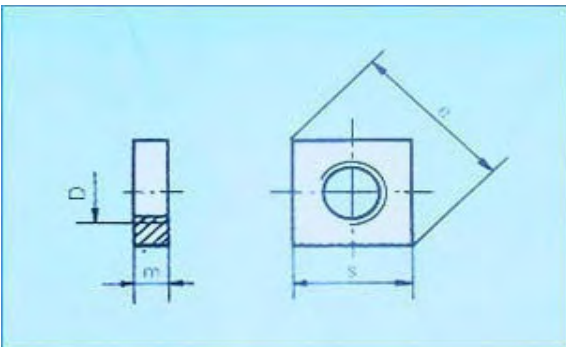


mm

Thread size	M4	M5	M6	M8	M10	M12	M16	M20	M24
Pitch	0.7	0.8	1	1.25	1.15	1.75	2	2.5	3
dk	6	8	10	13	17	20	26	32	41
e	18	24	30	36	48	62	70	86	106
h	8.5	11	15	18	23	31	35	44	53.5
m	3.2	4	5	6.5	8	10	13	16	20

SQUARE THIN NUTS

DIN 562

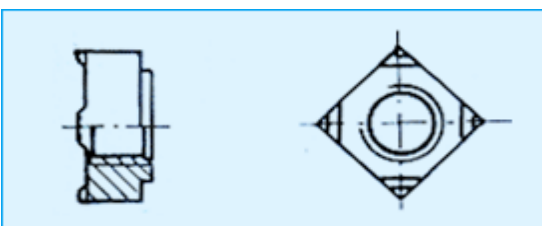


mm

Thread size	M2	M3	M4	M5	M6	M8	M10	
Pitch	0.4	0.5	0.7	0.8	1	1.25	1.5	
m	1.2	1.8	2.2	2.7	3.2	4	5	
e	5	7	8.9	10.2	12.7	16.5	20.2	21.5
S	4	5.5	7	8	10	13	16	17

SQUARE NUTS

DIN 928

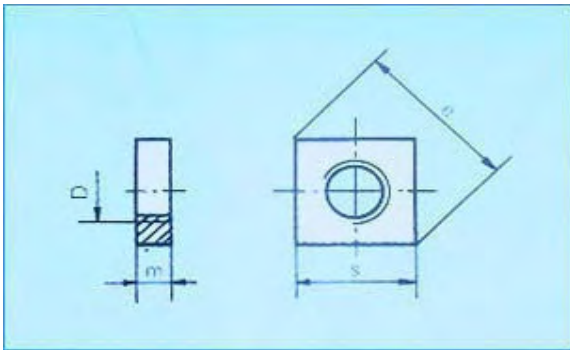


mm

Thread size	M4	M5	M6	M8	M10	M12
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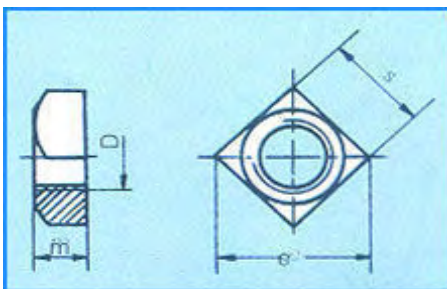
SQUARE NUTS

B.S.



inches

Thread size	1/8	5/32	3/16	1/4
Thread per inch	40	32	24	20
m	2.13	2.74	3.12	3.38
e	7.9	10.1	11.6	15.9
s	5.59	7.16	8.23	11.30

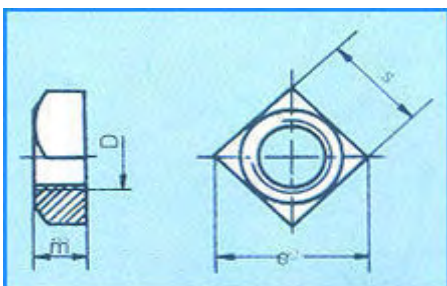


inches

Thread size	3/16	1/4	5/16	3/8	7/16	1/2
Thread per inch	24	20	18	16	14	12
m	4.24	5.08	6.35	7.92	9.53	11.10
e	11.6	15.9	18.9	21.5	25.4	29.4
s	8.23	11.3	13.34	15.24	18.03	20.83

SQUARE NUTS

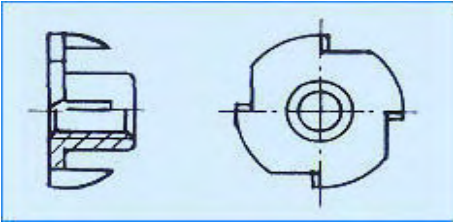
DIN 557



mm

Thread size	M5	M6	M8	M10	M12	M16	M20		
Pitch	0.8	1	1.25	1.5	1.75	2	2.5		
m	4	5	6.5	8	10	13	16		
e	11.3	14.1	18.4	22.6	24	25.4	26.9	32.9	42.4
s	8	10	13	16	17	18	19	24	30

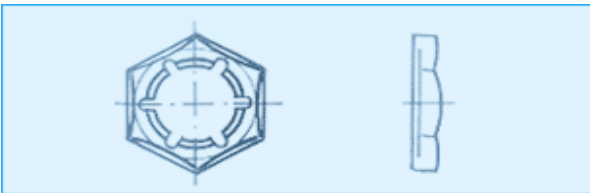
TEE NUTS WITH PRONGES



Thread size	M3	M4	M5	M6	M8	M10
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LOCK NUTS

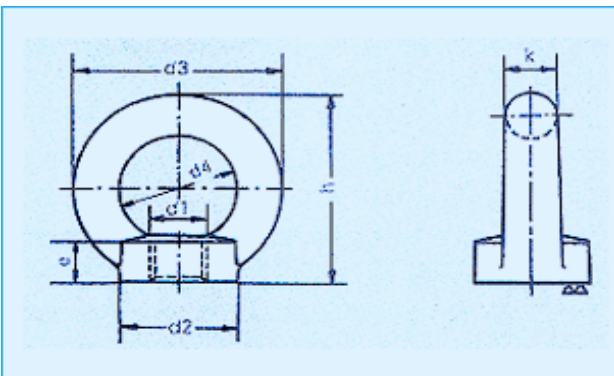
DIN 7967



For thread	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18
For thread	M20	M22	M24	M27	M30	M33	M36	M39	M42	

LOCK NUTS

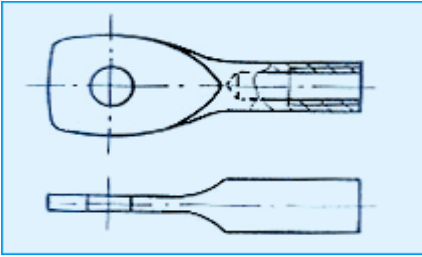
DIN 582



mm

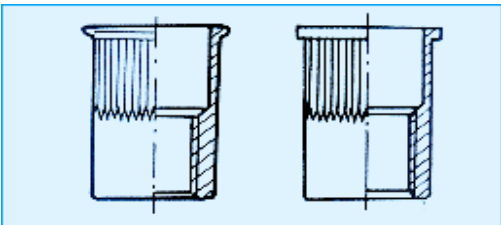
d1	M8	M10	M12	M16	M20	M24	M30	M36
d2	20	25	30	35	40	50	65	75
d3	36	45	54	63	72	90	108	126
d4	20	25	30	35	40	50	60	70
e	8.5	10	11	13	16	20	25	30
h	36	45	53	62	71	90	109	128
k	8	10	12	14	16	20	24	28

EYE COUPLING NUTS



Thread size	M6
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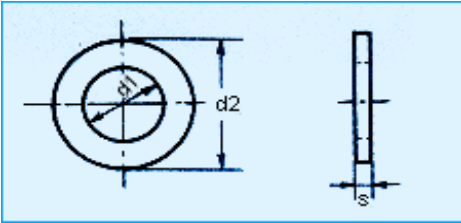
ANCHOR NUTS



Thread size	M3	M4	M5	M6	M8	M10
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WASHERS (Grade A)

DIN 125

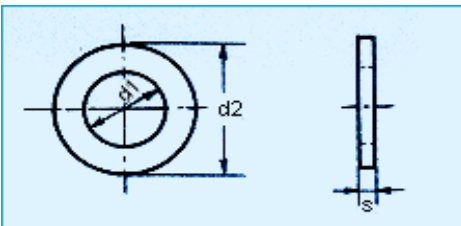


mm

d1	1.7	1.8	2.2	2.5	2.7	2.8	3.2	3.7	4.3	5.3	6.4
d2	4	4.5	5	6	6	7	7	8	9	10	12
s	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	1	1.6
d1	7.4	8.4	10.5	13	15	17	19	21	23	23	
d2	14	16	20	24	28	30	34	37	39	39	
s	1.6	1.6	2	2.5	2.5	3	3	3	3	3	

WASHERS (Grade C)

DIN 126

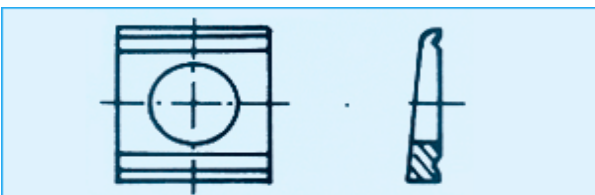


mm

d1	5.5	6.6	7.6	9	11	13.5	15.5	17.5	20	22	24
d2	10	12.5	14	16	20	24	28	30	34	37	39
s	1	1.6	1.6	1.6	2	2.5	2.5	3	3	3	3
d1	26	30	33	36	39	42	45	48	52	56	
d2	44	50	56	60	66	72	78	85	92	98	
s	4	4	4	5	5	6	7	7	8	8	

SQUARE BEVELED WASHERS

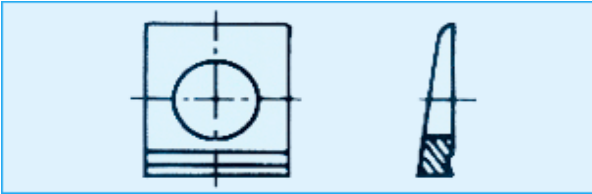
DIN 434



For screws	M8	M10	M12	M16	M20	M22	M24	M27
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SQUARE BEVELED WASHERS

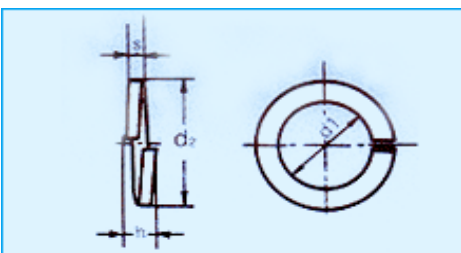
DIN 435



For screws	M8	M10	M12	M16	M20	M22	M24	M27	M30
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SPRING LOCK WASHERS

DIN 127

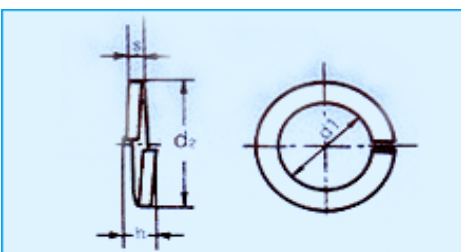


mm

Nominal size	3	3.5	4	5	6	7	8	10	12
d1	3.4	3.9	4.4	5.4	6.5	7.5	8.5	10.7	12.7
d2	6.2	6.7	7.6	9.2	11.8	12.8	14.8	18.1	21.1
h	1.9	1.9	2.1	2.8	3.8	3.8	4.7	5.2	5.9
s	0.8	0.8	0.9	1.2	1.6	1.6	2	2.2	2.5
Nominal size	14	16	18	20	22	24	27	30	
d1	14.7	17	19	21.2	23.5	25.5	28.5	31.7	
d2	24.1	27.4	29.4	33.6	35.9	40	43	48.2	
h	7.1	8.3	8.3	9.4	9.4	11.8	11.8	14.2	
s	3	3.5	3.5	4	4	5	5	6	

SPRING LOCK WASHERS

B.S.

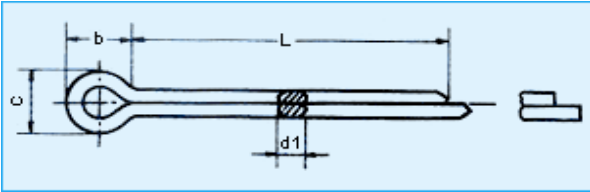


inches

Nominal	1/8	5/32	3/16	1/4	5/16	3/8	7/16	1/2	9/16
d1	0.133	0.164	0.196	0.266	0.328	0.391	0.453	0.516	0.601
b	0.053	0.061	0.075	0.108	0.130	0.142	0.161	0.173	0.189
h	0.067	0.083	0.098	0.142	0.165	0.189	0.220	0.244	0.283
s	0.033	0.041	0.049	0.071	0.083	0.094	0.110	0.122	0.142
Nominal	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2		
d1	0.656	0.781	0.906	1.031	1.156	1.281	1.531		
b	0.213	0.248	0.276	0.291	0.307	0.331	0.354		
h	0.303	0.354	0.394	0.433	0.472	0.504	0.551		
s	0.152	0.177	0.197	0.217	0.236	0.252	0.276		

SPLIT PINS

DIN 94

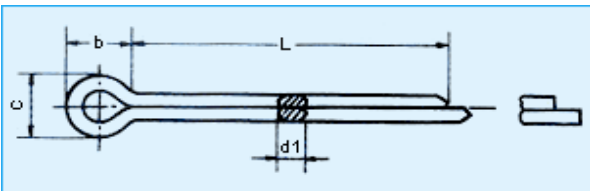


mm

Nominal	2	2.5	3.2	4	5	6.3	8	10
d1	1.8	2.3	2.9	3.7	4.6	5.9	7.5	9.5
b	4	5	6.4	8	10	12.6	16	20
c	3.2	4	5.1	6.5	8	10.3	13.1	16.6
L	10-40	12-50	18-80	20-125	20-125	28-140	36-140	56-140

SPLIT PINS

ISO 1234

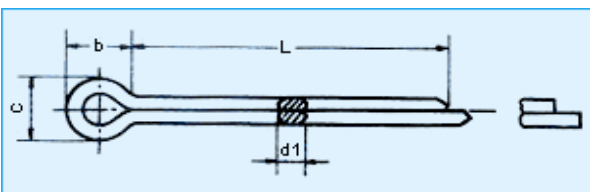


mm

Nominal	1	1.2	1.6	2	2.5	3.2	4	5	6.3	8	10
d1	0.8	0.9	1.3	1.7	2.1	2.7	3.5	4.4	5.7	7.3	9.3
b	3	3	3.2	4	5	6.4	8	10	12.6	16	20
c	1.8	2	2.8	3.6	4.6	5.8	7.4	9.2	11.8	15	19
L	6-20	8-20	8-20	10-20	12-50	18-80	20-80	20-80	28-80	36-80	56-80

COTTER PINS

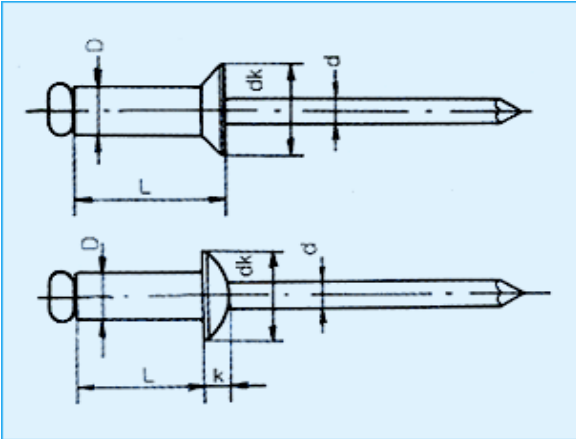
B.S.



inches

Nominal	3/32	7/64	1/8	9/64	5/32	11/64	3/16	7/32	1/4	9/32	5/16	3/8
d1	2.11	2.57	2.70	3.36	3.51	4.09	4.40	5.29	5.69	6.86	6.29	9.10
b	4.83	5.59	6.35	7.11	7.87	8.64	9.65	11.18	12.7	14.22	15.75	19.05
c	4.72	5.48	6.29	7.11	7.87	8.68	9.44	11.07	12.64	14.22	15.97	18.94
L(in)	3/8-7/8	3/8-2	1/2-3	1/2-3	5/8-3	5/8-3	5/8-3	3/4-3	3/4-3	1 1/2-3	1 1/2-3	1 1/2-3

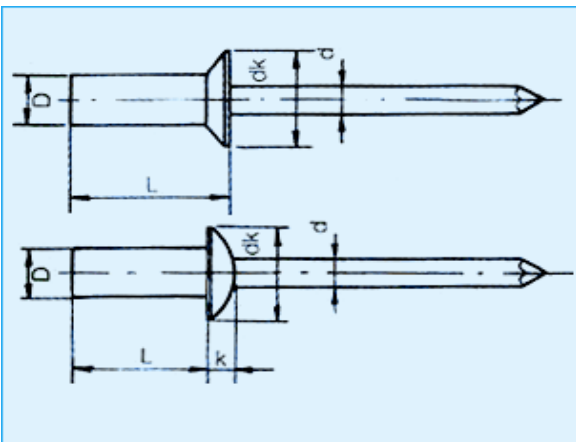
BLIND RIVET



mm

Nominal	3	3.2	4	4.8	5
L	4.8-16	4.8-18	4.8-22	6.4-30	6.4-30
dk	6	6	8	9.5	9.5
k	1	1	1.4	1.5	1.5
d	1.8	1.8	2.2	2.6	2.8

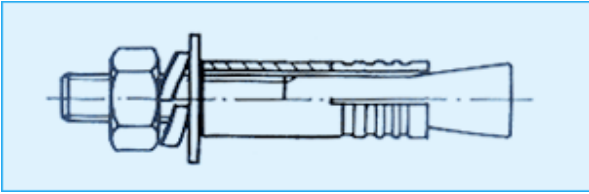
SEALED TYPE ALUMINIUM BLIND RIVET



mm

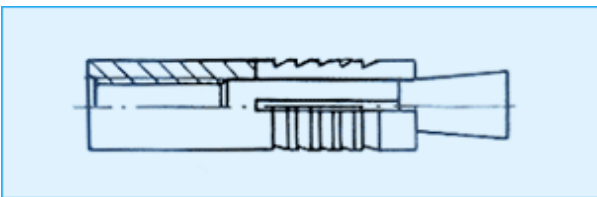
Nominal	3.2	4	4.8	5
L	5-18	5-22	8-30	8-30
dk	6	8	9.5	9.5
k	1	1.4	1.5	1.5
d	1.7	2.2	2.64	2.8

BOLT ANCHORS



Thread size	M6	M8	M10	M12	M16	M20	M22	M24
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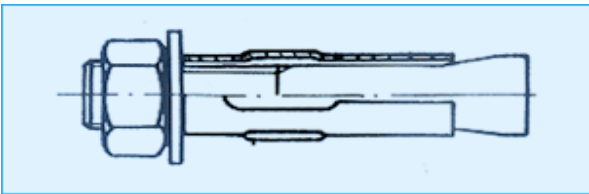
CUT ANCHORS



Thread size	M6	M8	M10	M12	M16	M20	M22
Length	30	35	40	52	63	83	93

mm

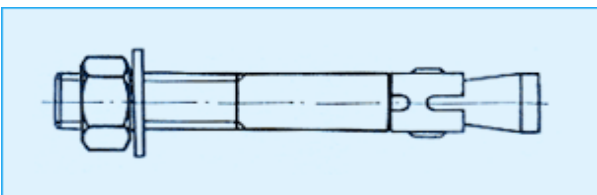
SLEEVE ANCHORS



Nominal size	6.5	8	10	12	16	20
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mm

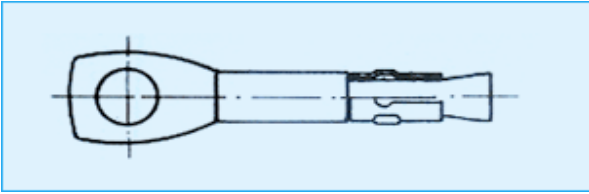
WEDGE ANCHORS



Thread size	M6	M8	M10	M12	M16	M20
Length	49-95	50-220	65-250	75-250	90-250	90-300

mm

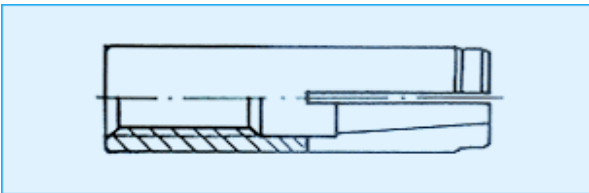
TIE WIRE ANCHOR



mm

Nominal size	6	6
L	60	67

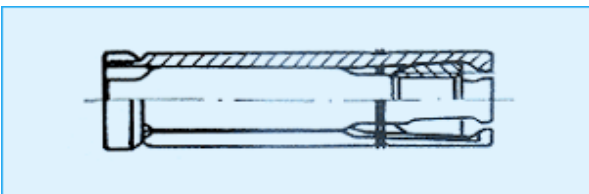
DROP IN ANCHORS



mm

Thread size	M6	M8	M10	M12	M16	M20
Length	25	30	40	50	65	80

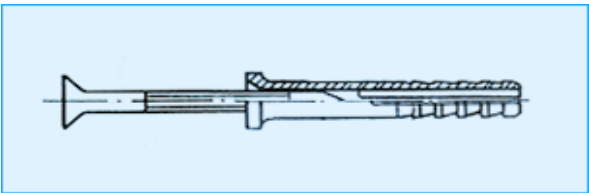
HEAVY-DUTY SHELLANCHOR



mm

Thread size	M6	M8	M10	M12	M16	M20
Length	45	55	60	75	115	130

NYLON HAMMER FIXING

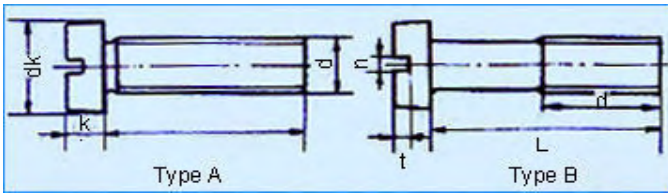


mm

Nominal size	5	6	8
Length	20-50	35-80	60-135

SLOTTED CHEESE HEAD SCREWS

DIN 84

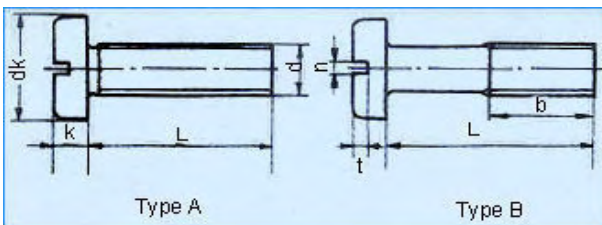


mm

Thread size	M3	M3.5	M4	M5	M6	M8	M10
dk	5.5	6	7	8.5	10	13	16
k	2	2.4	2.6	3.3	3.9	5	6
L	Type A	6-22	6-22	8-25	8-28	10-35	14-40
	Type B	25-30	25-35	28-40	30-50	40-60	45-80

SLOTTED PAN HEAD SCREWS

DIN 85

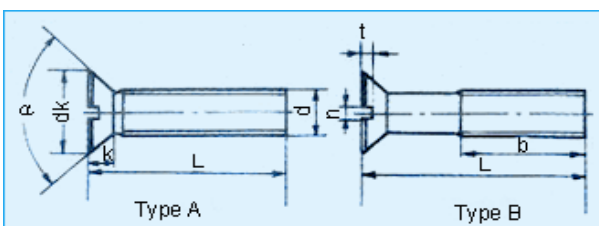


mm

Thread size	M3	M3.5	M4	M5	M6	M8	M10
dk	6	7	8	10	12	16	20
k	1.8	2.1	2.4	3	3.6	4.8	6
L	Type A	6-22	6-22	8-25	8-28	10-35	14-40
	Type B	25-30	25-35	28-40	30-50	40-60	45-80

SLOTTED COUNTERSUNK HEAD SCREWS

DIN 963

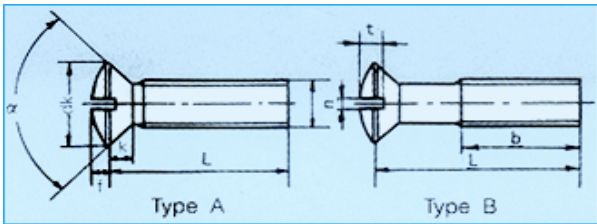


mm

Thread size	M3	M3.5	M4	M5	M6	M8	M10
dk	5.6	6.5	7.5	9.2	11	14.5	18
k	1.65	1.93	2.2	2.5	3	4	5
L	Type A	6-22	6-22	8-25	8-28	10-35	14-40
	Type B	25-30	25-35	28-40	30-50	40-60	45-80

SLOTTED RAISED COUNTERSUNK HEAD SCREWS

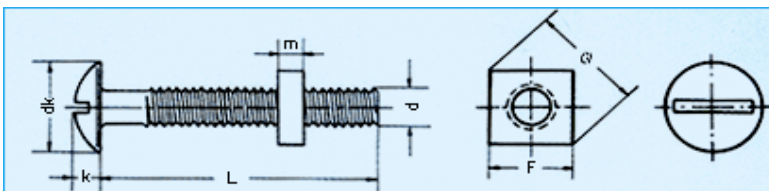
DIN 964



mm

Thread size	M3	M3.5	M4	M5	M6	M8	M10
dk	5.6	6.5	7.5	9.2	11	14.5	18
k	1.65	1.93	2.2	2.5	3	4	5
f	0.75	0.9	1	1.25	1.5	2	2.5
L	Type A	6-22	6-22	8-25	8-28	10-35	14-40
	Type B	25-30	25-35	28-40	30-50	40-60	45-80

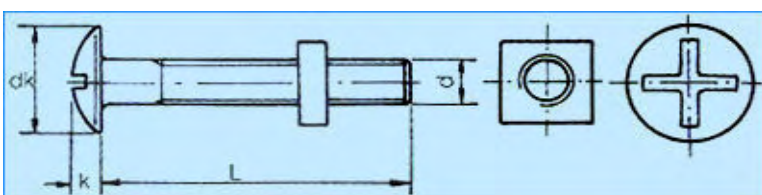
GALVANIZED ROOFING BOLTS & NUTS



inches

Thread size	dk	k	m	F	G	L
3/6	10	2.3	3.048	8.128	11.684	3/16-3
1/4	13.3	3	0.302	11.176	16.002	1/2-5

ROOFING BOLTS & NUTS

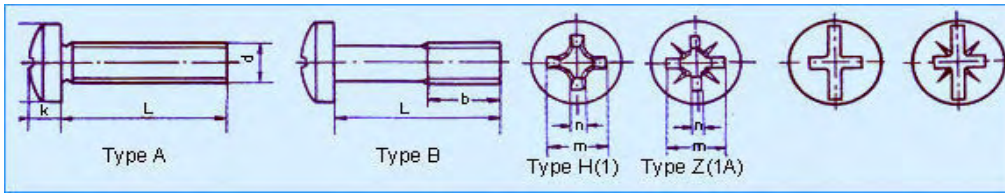


mm

Thread size	M4	M5	M6	M8
dk	9.4	11.6	13.95	18.9
k	1.90	2.65	3.33	3.80
L	10-50	10-80	12-120	16-150

CROSS RECESSED RAISED CHEESE HEAD SCREWS

DIN 7985

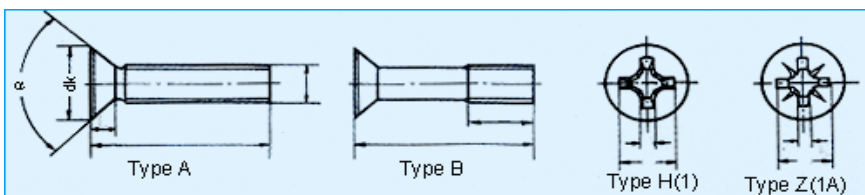


mm

Thread size	M3	M3.5	M4	M3	M6	M8	M10
dk	6	7	8	10	12	16	20
k	2.4	2.7	3.1	3.8	4.6	6	7.5
Cross recess	(Type H)m	3.1	4.2	4.6	5.3	6.8	10.2
	(Type Z)m	3	4	4.3	5	6.7	9.9
	No	1	2	2	2	3	4
L	Type A	6-22	6-22	8-25	8-28	10-35	14-40
	Type B	25-30	25-35	28-40	30-50	40-60	45-80

CROSS RECESSED COUNTERSUNK FLAT HEAD SCREWS

DIN 965

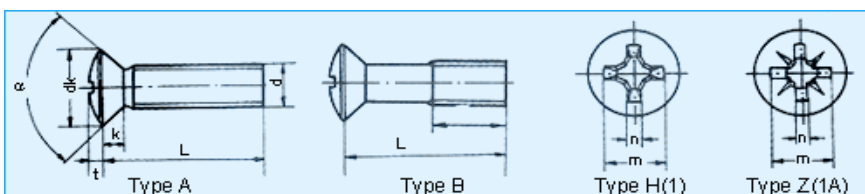


mm

Thread size	M3	M3.5	M4	M5	M6	M8	M10
dk	5.6	6.5	7.5	9.2	11	14.5	18
k	1.65	1.93	2.2	2.5	3	4	5
Cross	(Type H)m	2.9	3.9	4.4	4.6	6.6	9.6
	(Type Z)m	2.8	3.7	4	4.4	6.1	9.4
	No	1	2	2	2	3	4
L	Type A	6-22	6-22	8-25	8-28	10-35	14-40
	Type B	25-30	25-35	28-40	30-50	40-60	45-80

CROSS RECESSED RAISED COUNTERSUNK HEAD SCREWS

DIN 966

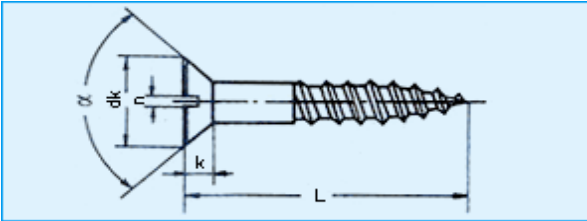


mm

Thread size	M3	M3.5	M4	M5	M6	M8	M10
dk	5.6	6.5	7.5	9.2	11	14.5	18
k	1.65	1.93	2.2	2.5	3	4	5
f	0.75	0.9	1	1.25	1.5	2	2.5
Cross	(Type H)m	3.1	4.2	4.5	5.3	6.8	10
	(Type Z)m	3.1	4.3	4.6	5.3	7	9.9
	NO	1	2	2	2	3	4
L	Type A	6-22	6-22	8-25	8-28	10-35	14-40
	Type B	25-30	25-35	28-40	30-50	40-60	45-80

SLOTTED COUNTERSUNK HEAD WOOD SCREWS

DIN 97

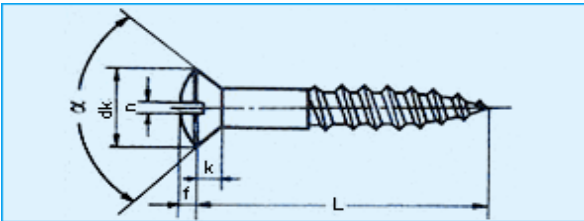


mm

Thread size	2.5	3	3.5	4	4.5	5	5.5	6
dk	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11
k	1.5	1.65	1.93	2.2	2.35	2.5	2.75	3
n	0.6	0.8	0.8	1	1	1.2	1.2	1.6
L	8-25	10-40	12-40	16-50	20-60	20-100	30-100	40-100

SLOTTED RAISED COUNTERSUNK HEAD WOOD SCREWS

DIN 95

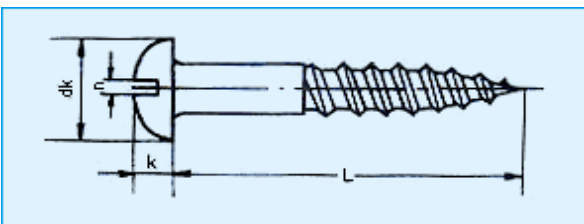


mm

Thread size	2.5	3	3.5	4	4.5	5	5.5	6
dk	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11
f	0.6	0.75	0.9	1	1.1	1.25	1.4	1.5
k	1.5	1.65	1.93	2.2	2.35	2.5	2.75	3
n	0.6	0.8	0.8	1	1	1.2	1.2	1.6
L	8-25	10-40	12-40	16-50	20-60	20-100	30-100	40-100

SLOTTED ROUND HEAD WOOD SCREWS

DIN 96

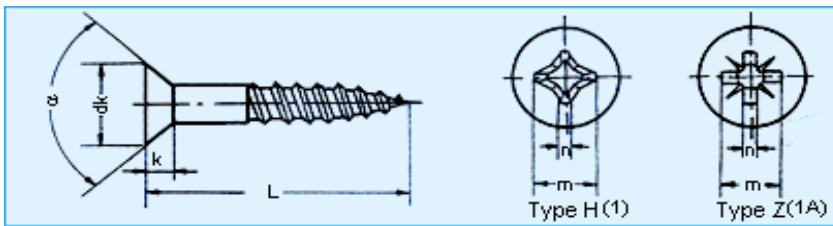


mm

Thread size	2.5	3	3.5	4	4.5	5	5.5	6
dk	5	6	7	8	9	10	11	12
K	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2
n	0.6	0.8	0.8	1	1	1.2	1.2	1.6
L	8-25	10-40	12-40	16-50	20-60	20-100	30-100	40-100

FLAT COUNTERSUNK HEAD WOOD SCREWS

DIN 7997

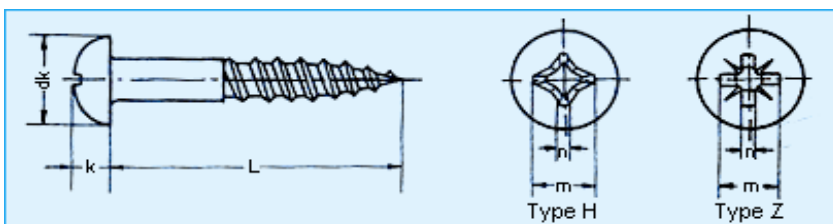


mm

Thread size	2.5	3	3.5	4	4.5	5	5.5	6
dk	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11
k	1.5	1.65	1.93	2.2	2.35	2.5	2.75	3
Cross recess	(Type H) m	2.7	2.9	3.9	4.4	4.6	6.2	6.6
	(Type Z) m	2.8	3	4	4.2	4.4	5	6.3
	No	1	1	2	2	2	3	3
L	10-25	10-40	12-45	16-50	20-60	20-100	30-100	40-100

CROSS RECESSED ROUND HEAD WOOD SCREWS

DIN 7996

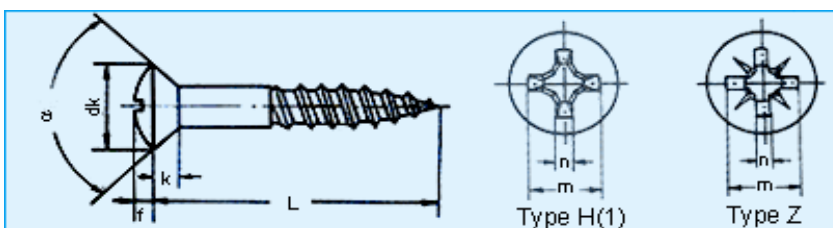


mm

Thread size	2.5	3	3.5	4	4.5	5	5.5	6
dk	5	6	7	8	9	10	11	12
k	1.7	2.1	2.35	2.8	3.1	3.5	3.8	4.2
Cross	(Type H) m	2.3	2.7	3.7	4.1	4.4	6.2	6.6
	(Type Z) m	2.4	2.9	3.9	4.1	4.3	4.7	6.7
	No	1	1	2	2	2	3	3
L	10-25	10-40	12-40	16-50	20-60	20-100	30-100	40-100

CROSS RECESSED RAISED COUNTERSUNK HEAD WOOD SCREWS

DIN 7995

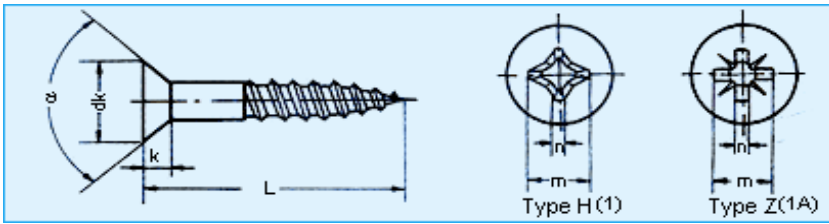


mm

Thread size	2.5	3	3.5	4	4.5	5	5.5	6
dk	4.7	5.6	6.5	7.5	8.3	9.2	10.2	11
f	0.6	0.75	0.9	1	1.1	1.25	1.4	1.5
k	1.5	1.65	1.93	2.2	2.35	2.5	2.75	3
Cross	(Type H) m	2.7	3.1	4.2	4.5	5	7.1	7.4
	(Type Z) m	2.8	3.1	4.3	4.6	5.1	6.6	7
	No	1	1	2	2	2	3	3
L	10-25	10-40	12-40	16-50	20-60	20-100	30-100	40-100

PHILLIPS OVAL HEAD WOOD SCREWS

B.S. 1210

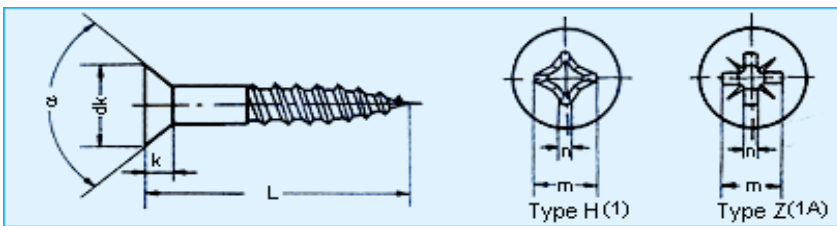


inches

Thread size	4	5	6	7	8	9	10
dk	5.21	5.90	6.58	7.24	7.93	8.59	9.28
f	0.66	0.76	0.81	0.91	1.02	1.17	1.19
k	1.62	1.85	2.08	2.31	2.54	2.76	2.97
Cross recess	(Type Z) m	3.12	3.81	4.32	4.65	5.00	5.28
	NO	1	1	2	2	2	2
L	1/2-1	1/2-1 1/4	1/2-2	3/4-2	3/4-3	3/4-3	3/4-3 1/2

CROSS RECESSED COUNTERSUNK HEAD WOOD SCREWS

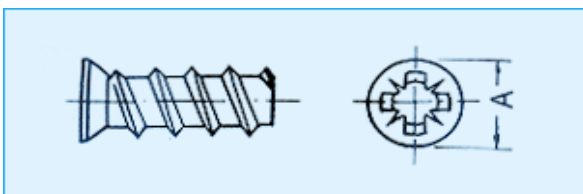
B.S. 1210



inches

Thread size	3	4	5	6	7	8	9	10	12	14	16
dk	4.55	5.21	5.90	6.56	7.24	7.93	8.59	9.28	10.62	11.99	13.31
k	1.39	1.62	1.88	2.08	2.31	2.54	2.76	2.97	3.42	3.88	4.31
(Type Z) m	2.51	2.74	3.50	4.22	4.22	4.60	4.60	4.98	6.35	6.60	7.49
Cross recess No	1	1	2	2	2	2	2	2	3	3	3
L	1/2-5/8	1/2-2	1/2-1 1/4	1/2-2	3/4-2	3/4-3	3/4-3	3/4-3 1/2	1-5	1 1/2-5	1 1/2-5

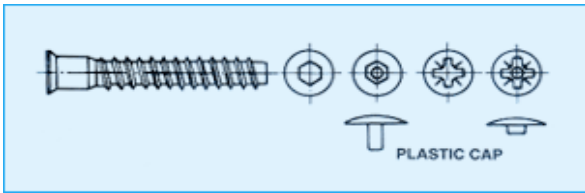
EURO SCREW



mm

Nominal size	6.3	6.3
Length	9-13	9-13
A	7	8

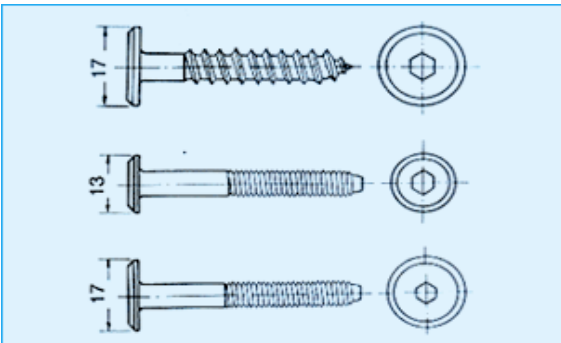
CONNECTING SCREW FLAT COUNTERSUNK HEAD



mm

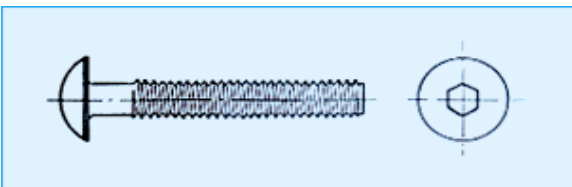
Nominal size	5	7	6.3
Length	40-60	40-80	40-80

JOINT CONNECTOR SCREW FLAT HEAD



Nominal size	M6-1.0	1/4-20	6.3
Length	20-120	20-120	20-120

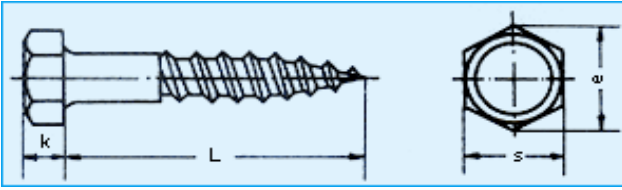
JOINT CONNECTOR SCREW ROUND HEAD



Nominal size	M6-1.0	1/4-20
Length	20-120	20-120

HEXAGON HEAD WOOD SCREWS

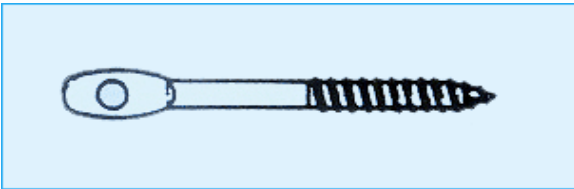
DIN 571



mm

Thread size	4	5	6	7	8	10	12	16
k	2.8	3.5	4	5	5.5	7	8	10
e	7.50	8.63	10.89	13.07	14.2	18.72	20.88	26.17
s	7	8	10	12	13	17	19	24
L	16-40	16-50	25-150	30-150	30-200	30-300	35-400	50-420

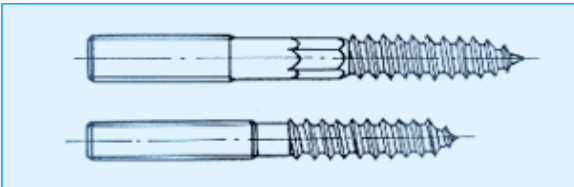
ACOUSTICALLY EYE LAGS



inches

Nominal size	1/4 x 3"	1/4 x 4"	1/4 x 5"

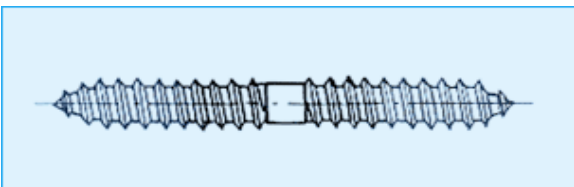
METAL WOOD DOWEL SCREW



mm

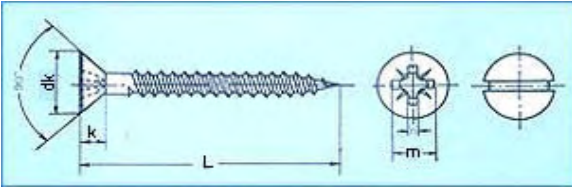
Nominal size	M8-12
Length	50-200

WOOD-WOOD DOWEL SCREW



Nominal size	3.5-6.3
Length	25-80

POZIDRIVE TWINFAST WOOD SCREWS

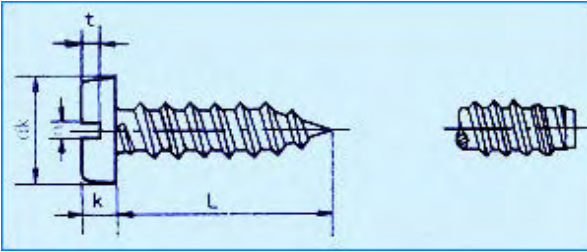


mm

Thread size	4	5	6	7	8	10	12
dk	5.48	6.19	6.90	7.62	8.33	9.75	11.17
k	1.66	1.90	2.13	2.36	2.53	3.01	3.44
n	0.86	1.06	1.06	1.06	1.26	1.26	1.66
cross recess	No	1	2	2	2	2	3
	m	2.74	3.50	4.22	4.22	4.60	4.98
L(in)	1/4-1	5/16-11/4	7/16-2	1/2-21/4	5/8-3	3/4-4	1-4

PAN HEAD TAPPING SCREWS WITH SLOT

DIN 7971

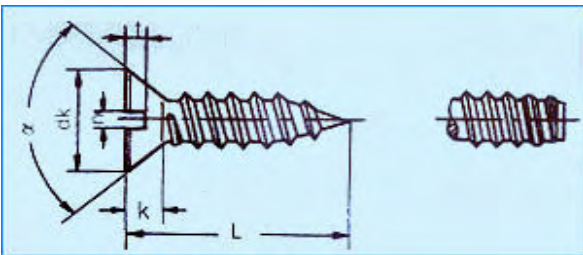


mm

Thread size	2.9	3.5	3.9	4.2	4.8	5.5	6.3
dk	5.6	6.9	7.5	8.2	9.5	10.8	12.5
k	1.5	1.85	2	2.15	2.5	2.85	3.2
m	0.8	1	1	1.2	1.2	1.6	1.6
L(mm)	6.5-25	6.5-50	9.5-50	9.5-63	9.5-63	13-75	13-75

COUNTERSUNK HEAD TAPPING SCREWS WITH SLOT

DIN 7972

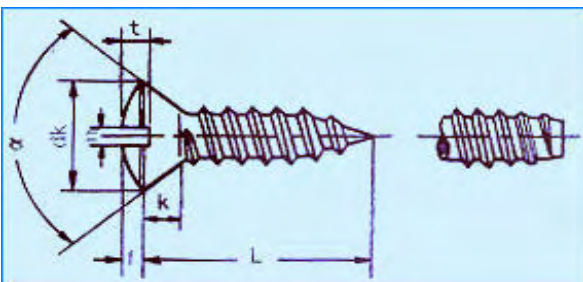


mm

Thread size	2.9	3.5	3.9	4.2	4.8	5.5	6.3
dk	5.5	6.8	7.5	8.1	9.5	10.8	12.4
k	1.7	2.1	2.3	2.5	3	3.4	3.8
n	0.8	1	1	1.2	1.2	1.6	1.6
L	6.5-25	6.5-50	9.5-50	9.5-63	9.5-63	13-75	13-75

RAISED COUNTERSUNK HEAD TAPPING SCREWS WITH SLOT

DIN 7973

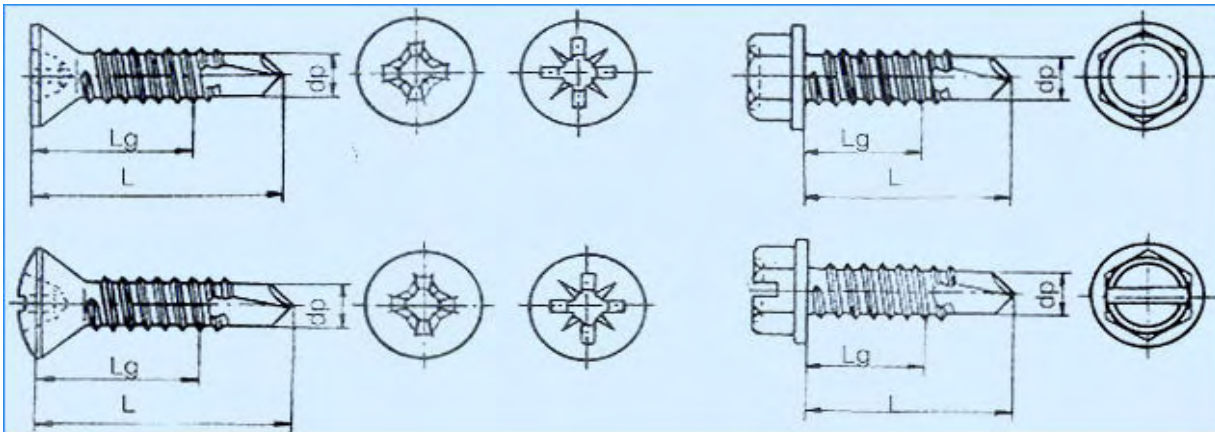


mm

Thread size	2.9	3.5	3.9	4.2	4.8	5.5	6.3
dk	5.5	6.8	7.5	8.1	9.5	10.8	12.5
f	0.9	1.2	1.3	1.4	1.5	1.7	2
k	1.7	2.1	2.3	2.5	3	3.4	3.8
n	0.8	1	1	1.2	1.2	1.6	1.6
L	6.5-25	6.5-50	9.5-50	9.5-63	9.5-63	13-75	13-75

SELF-DRILLING TAPPING SCREWS

DIN 7504

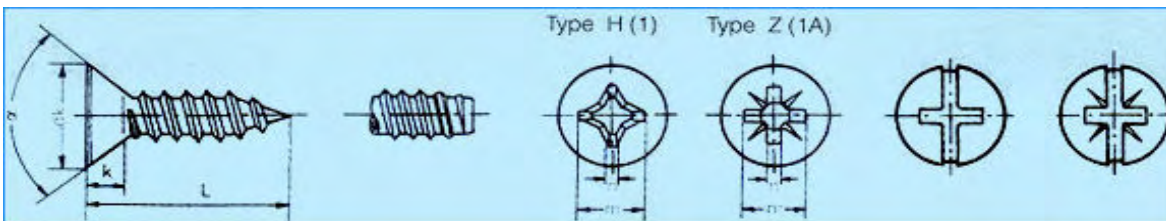


mm

Thread size	ST2.9	ST3.5	ST4.2	ST4.8	ST5.5	ST6.3
dp	2.3	2.8	3.6	4.1	4.8	5.8
Lg	6.6-12.5	6.2-18.1	4.3-29.0	5.8-39.5	8-39	7-38
L	6.5-25	6.5-50	9.5-50	9.5-63	13-75	13-75

CROSS RECESSED COUNTERSUNK HEAD TAPPING SCREWS

DIN 7982

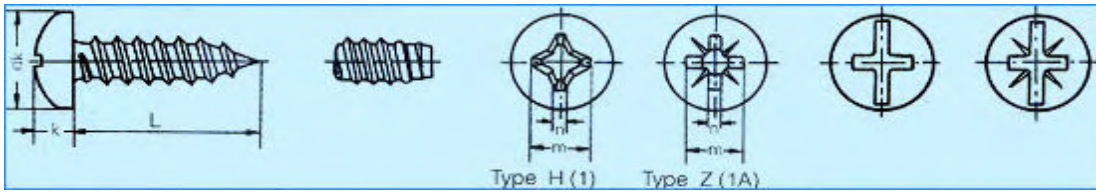


mm

Thread size	2.9	3.5	3.9	4.2	4.8	5.5	6.3
dk	5.5	6.8	7.5	8.1	9.5	10.8	12.4
k	1.7	2.1	2.3	2.5	3	3.4	3.8
Cross recess	(Type H) m	3	4.2	4.6	4.7	5.1	5.8
	(Type Z) m	2.8	4	4.2	4.4	5	6.3
	No	1	1	2	2	2	3
L	6.5-25	6.5-50	9.5-50	9.5-63	9.5-63	13-75	13-75

CROSS RECESSED PAN HEAD TAPPING SCREWS

DIN 7981

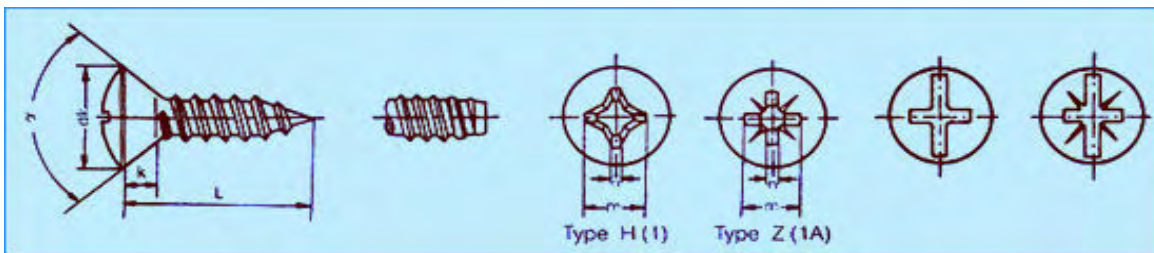


mm

Thread size	2.9	3.5	3.9	4.2	4.8	5.5	6.3
Pitch	5.6	6.9	7.5	8.2	9.5	10.8	12.5
k	2.2	2.6	2.8	3.05	1.55	3.95	4.55
Cross recess	(Type H)m	3	4.2	4.4	4.6	5	6.5
	(Type Z)m	2.9	3.9	4.1	4.3	4.7	6.2
	No	1	1	2	2	3	3
L	6.5-25	6.5-50	9.5-50	9.5-63	9.5-63	13-75	13-75

CROSS RECESSED RAISED COUNTERSUNK HEAD TAPPING SCREWS

DIN 7983

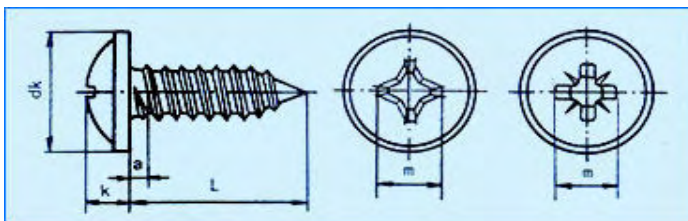


mm

Thread size	2.9	3.5	3.9	4.2	4.8	5.5	6.3
dk	5.5	6.8	7.5	8.1	9.5	10.8	12.4
f	0.9	1.2	1.3	1.4	1.5	1.7	2
k	1.7	2.1	2.3	2.5	3	3.4	3.8
Cross	(Type H) m	3.4	4.6	4.7	4.9	5.4	7
	(Type Z) m	3.1	4.3	4.4	4.6	5.1	6.6
	No	1	1	2	2	2	3
L	6.5-25	6.5-50	9.5-50	9.5-63	9.5-63	13-75	13-75

CROSS RECESSED PAN HEAD TAPPING SCREWS WITH COLLAR

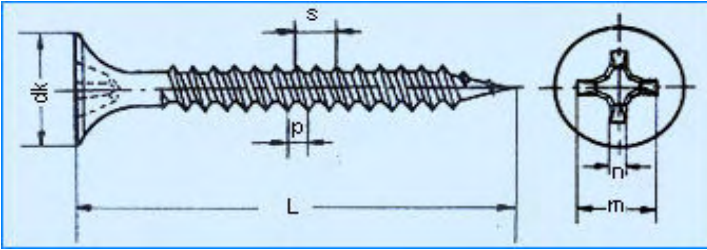
DIN 968



mm

Thread size	ST2.9	ST3.5	ST4.2	ST4.8	ST5.5	ST6.3
dk	7.50	9.00	10.0	11.5	13.0	14.5
k	2.35	2.60	3.05	3.55	3.80	4.55
Cross	(Type H) m	3.00	4.20	4.60	5.00	6.50
	(Type Z) m	2.90	3.90	4.30	4.70	6.20
	No	1	2	2	2	3
L	6.5-19	9.5-25	9.5-32	9.5-50	13-50	13-50

DRYWALL SCREWS TYPE S PHILLIPS RECESSED BUGLE HEAD TWINFAST



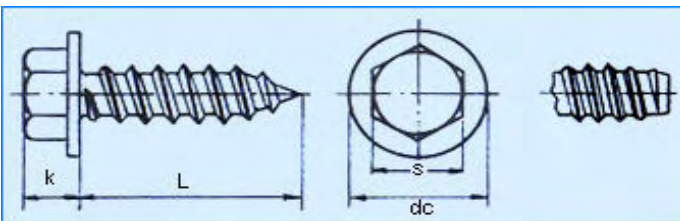
Thread size	Threads/in	dk	Cross recess		L(in)
			No	m	
6	18	8.4	2	4.9	3/4-2 1/2
7	16	8.4	2	4.9	1-2 1/2
8	15	8.4	2	4.9	2-4

FERMACELL SCREWS WITH RIBS UNDER THE HEAD



HEXAGON WASHER HEAD TAPPING SCREWS

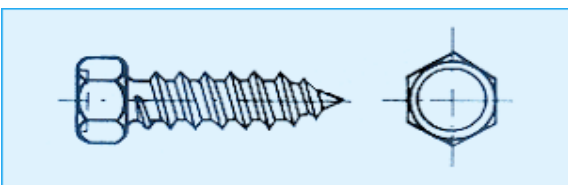
DIN 6928



mm

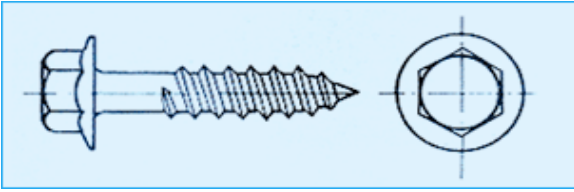
Thread size	ST2.9	ST3.5	ST4.2	ST4.8	ST6.3	ST8.0
dc	6.30	8.30	8.80	10.5	13.5	18.0
k	2.80	3.40	4.0	4.30	5.90	7.00
s	4.00	5.50	7.00	8.00	10.0	13.0
L	6.5-25	6.5-50	9.5-50	9.5-63	13-75	13-75

HEX HEAD TAPPING SCREWS



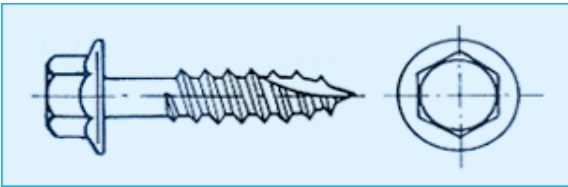
Nominal size	4.2	4.8	5.5	6.3	8 [#]	10 [#]	12 [#]	1/4
Length	9.5-50	13-75	16-100	16-120	3/8-2	1/2-3	3/4-4	3/4-5

HEX FLANGE HEAD SELF-TAPPING SCREWS



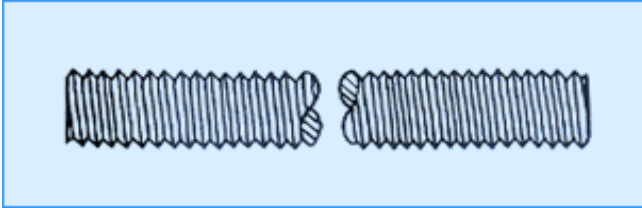
Nominal	5.5	6.3	12[#]	14[#]
Length	16-120	16-180	16-120	16-180

HEX FLANGE HEAD TYPE 17 SCREWS



Nominal	12[#]	1/4	5.5	6.3
Length	1-5	1 1/2-5	25-120	30-120

THREADED ROD



mm

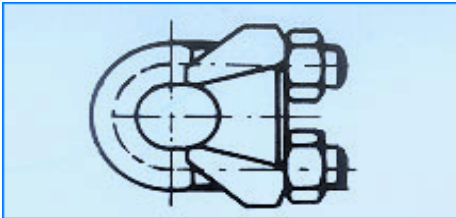
Thread size	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
LENGTH	1000mm-40000mm									

inches

Thread size	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
LENGTH	3feet-12feet									

WIRE ROPE CLAMPS

DIN 741

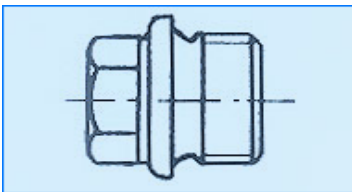


mm

for rope dia	3	5	6.5	8	10	11	13	14	16
Thread size	M4	M5	M5	M6	M8	M8	M10	M10	M12

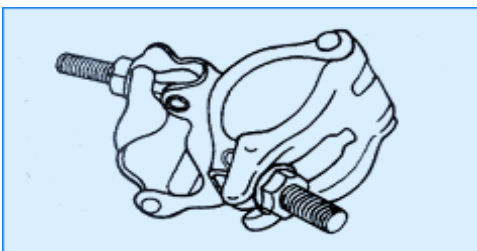
HEX HEAD PIPE PLUGS

DIN 910



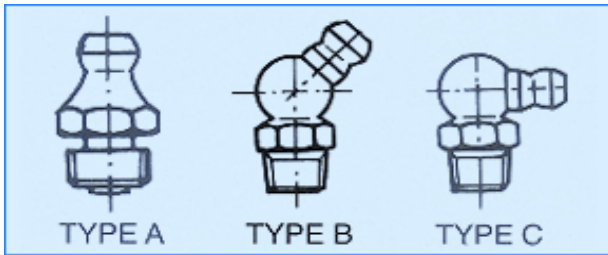
Thread size	M10	M12	M14	M16	M18	M20	M22	M24	M26	M30	M36
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STEEL PIPE SCAFFOLD



CHINA

GREASE FITTING



mm

Thread size	6×1	8×1	8×1.2	10×1