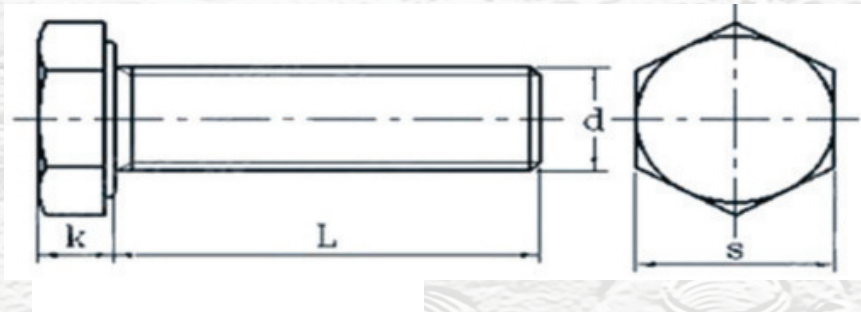




HEXAGONAL HEAD SCREW DIN 933

TOKAS FASTENING SOLUTION



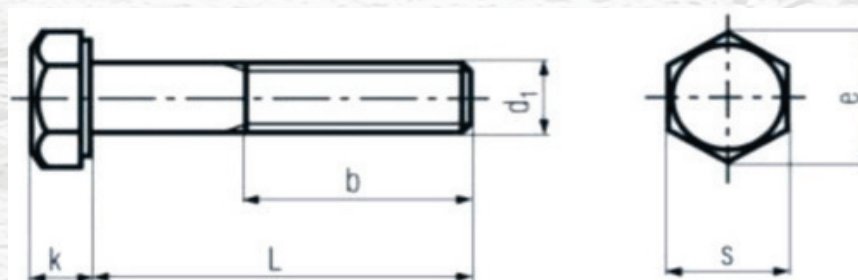
TECHNICAL SPECIFICATION

d	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
k	2	2.8	3.5	4	5.3	6.4	7.5	8.8	10	12.5	15
e	6.01	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	33.53	39.98
s	5.5	7	8	10	13	17	19	22	24	30	36

• Also available in ISO & IS standard.

• All measurements in millimeters

HEXAGONAL HEAD SCREW DIN 931



TECHNICAL SPECIFICATION

d ₁	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
k	2.80	3.50	4.00	5.30	6.40	7.50	8.80	10.00	12.50	15.00
e	7.66	8.79	11.05	14.38	18.90	21.10	24.49	26.75	33.53	39.98
s	7.00	8.00	10.00	13.00	17.00	19.00	22.00	24.00	30.00	36.00
b* to 125	14.00	16.00	18.00	22.00	26.00	30.00	34.00	38.00	46.00	54.00
b to 200	-	-	-	28.00	32.00	36.00	40.00	44.00	52.00	60.00
b over 200	-	-	-	-	45.00	49.00	53.00	57.00	65.00	73.00

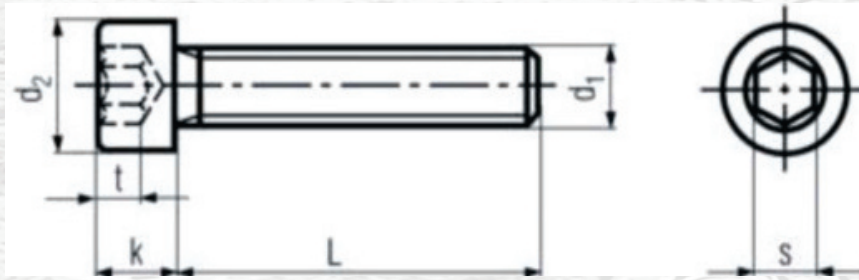
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

HEXAGONAL SOCKET HEAD CAPS SCREW DIN 912



TECHNICAL SPECIFICATION

d_1	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
t min	1.30	2.00	2.50	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00
s	2.50	3.00	4.00	5.00	6.00	8.00	10.00	12.00	14.00	17.00	19.00
k max	3.00	4.00	5.00	6.00	8.00	10.00	12.00	14.00	16.00	20.00	24.00
d_2	5.50	7.00	8.50	10.00	13.00	16.00	18.00	21.00	24	30.00	36.00

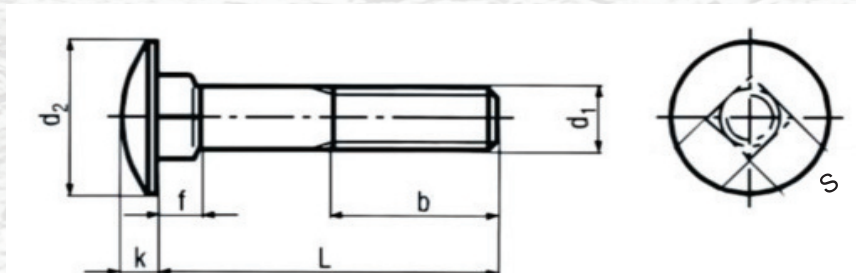
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

MUSHROOM HEAD SQUARE NECK BOLT DIN 603



TECHNICAL SPECIFICATION

d_1	M5	M6	M8	M10	M12	M16
d_2	13.00	16.00	20.00	24.00	30.00	38.00
k max	3.00	3.50	4.50	5.00	6.50	8.50
s	5.00	6.00	8.00	10.00	12.00	16.00
f max	4.10	4.60	5.60	6.60	8.75	12.90
b to 125	16.00	18.00	22.00	26.00	30.00	38.00
b to 200	22.00	24.00	28.00	32.00	36.00	44.00
b over 200	-	-	41.00	45.00	49.00	57.00

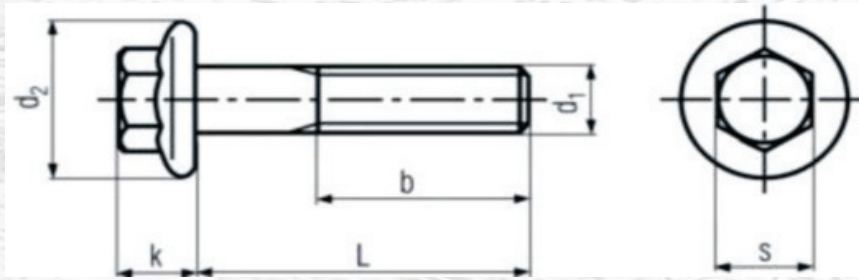
• Also available in ISO & IS standard.

• All measurements in millimeters



HEXAGONAL FLANGE BOLT DIN 6921

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	M5	M6	M8	M10	M12	M14	M16	M20
s max	8.00	10.00	13.00	15.00	16.00	18.00	21.00	27.00
k max	5.40	6.60	8.10	9.20	11.50	12.80	14.40	17.10
d_2 max	11.80	14.20	18.00	22.00	26.60	30.50	35.00	43.00
b	16.00	18.00	22.00	26.00	30.00	34.00	38.00	46.00

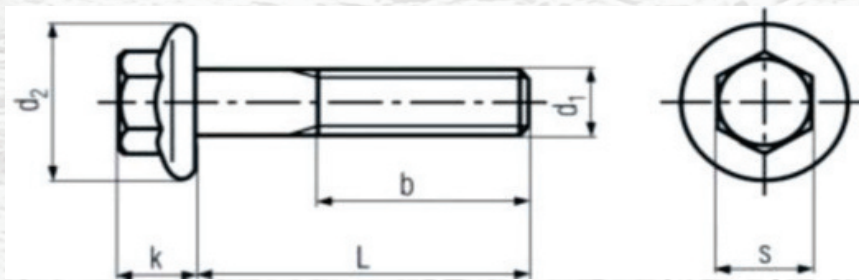
• Also available in ISO & IS standard.

• All measurements in millimeters



HEXAGONAL FLANGE BOLT IS 15582

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	M5	M6	M8	M10	M12	M14	M16
s max	7.00	8.00	10.00	13.00	15.00	18.00	21.00
k max	5.60	6.80	8.50	9.70	11.90	12.90	15.10
d_2 max	11.40	13.60	17.00	20.80	24.70	28.60	32.80
b	16.00	18.00	22.00	26.00	30.00	34.00	38.00

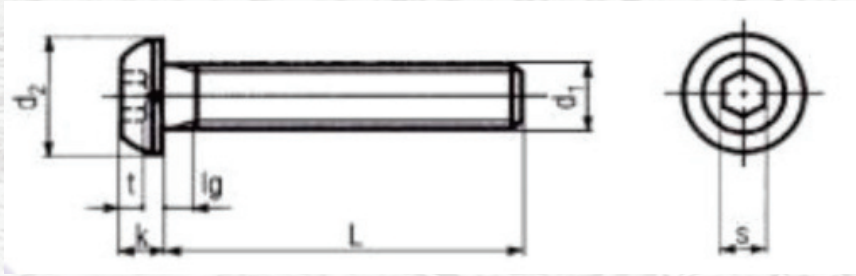
• Also available in ISO & IS standard.

• All measurements in millimeters



HEXAGONAL SOC. BOTTON HEAD SCREW ISO 7380

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d1	M3	M4	M5	M6	M8	M10	M12
d2 (mm) max	5.70	7.60	9.50	10.5	14.00	17.50	21.00
K Max (mm)	1.65	2.20	2.75	3.30	4.40	5.5	6.60
t+ Min (mm)	1.04	1.30	1.56	2.08	2.60	3.12	4.16
S (mm)	2.00	2.50	3.00	4.00	5.00	6.00	8.00

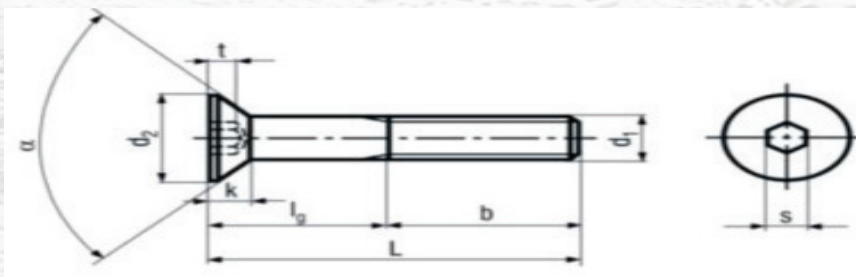
• Also available in ISO & IS standard.

• All measurements in millimeters



HEXAGONAL SOC. COUNTERSUNK HEAD SCREW DIN 7991

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d1	M3	M4	M5	M6	M8	M10	M12	M16
d2	6.00	8.00	10.00	12.00	16.00	20.00	24.00	30.00
k max	1.70	2.30	2.80	3.30	4.40	5.50	6.50	7.50
s	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00
t	1.20	1.80	2.00	2.50	3.50	4.40	4.60	5.30
b2	12.00	14.00	16.00	18.00	22.00	26.00	30.00	38.00

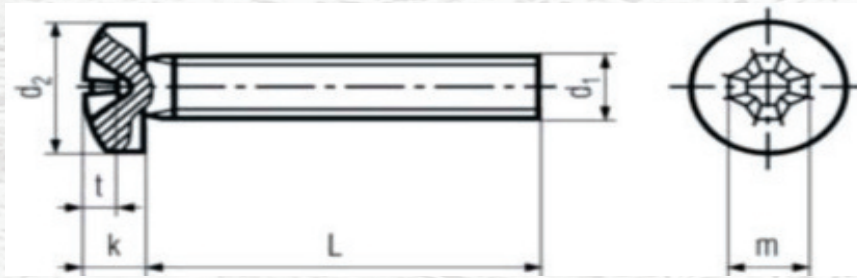
• Also available in ISO & IS standard.

• All measurements in millimeters



PAN PHILLIPS HEAD SCREW DIN 7985

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M2	M3	M4	M5	M6	M8	M10
d_1	M2	M3	M4	M5	M6	M8	M10
d_2	4.00	6.00	8.00	10.00	12.00	16.00	20.00
k	1.60	2.40	3.10	3.80	4.60	6.00	7.50
Phillips	1	1	2	2	3	4	4
m approx.	2.5	3.1	4.6	5.3	6.8	9	10.2

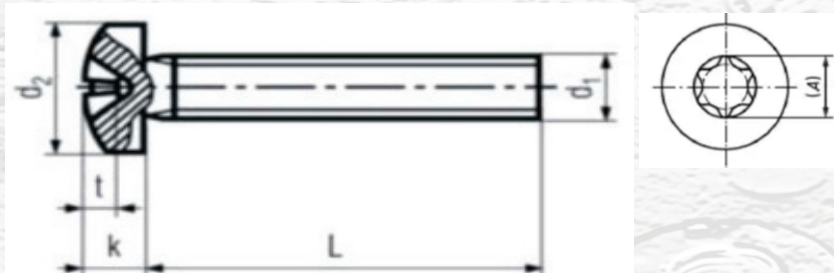
• Also available in ISO & IS standard.

• All measurements in millimeters



HEXALOBULAR SOCKET PAN HEAD SCREW ISO 14583

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M2	M3	M4	M5	M6	M8	M10
d_1	M2	M3	M4	M5	M6	M8	M10
d_2	4.00	5.60	8.00	9.00	12.00	16.00	20.00
k max	1.60	2.40	3.10	3.70	4.60	6.00	7.50
A approx.	1.75	2.80	3.95	4.50	5.60	7.95	8.95
t min.	0.63	1.07	1.27	1.52	2.02	2.79	3.62
t max.	0.77	1.33	1.66	1.91	2.42	3.18	4.02

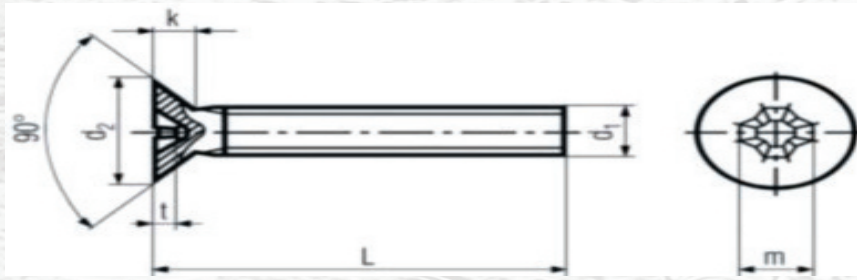
• Also available in ISO & IS standard.

• All measurements in millimeters



COUNTERSUNK PHILIPS HEAD SCREW DIN 965

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M2	M3	M4	M5	M6	M8	M10
d_1	M2	M3	M4	M5	M6	M8	M10
d_2	3.80	5.60	7.50	9.20	11.00	14.50	18.00
k	1.20	1.65	2.20	2.50	3.00	4.00	5.00
Phillips	1	1	2	2	3	4	4
m approx.	2.35	2.90	4.40	4.50	6.60	8.70	9.60

• Also available in ISO & IS standard.

• All measurements in millimeters



HEXALOBULAR SOCKET COUNTERSUNK HEAD SCREW ISO 14581

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M2	M3	M4	M5	M6	M8	M10
d_1	M2	M3	M4	M5	M6	M8	M10
d_2	3.80	5.50	8.40	9.30	11.30	15.80	18.30
k max	1.20	1.65	2.70	2.70	3.30	4.65	5.00
A approx.	1.75	2.80	3.95	4.50	5.60	7.95	8.95
t min.	0.51	0.70	1.14	1.12	1.39	2.15	2.41
t max.	0.64	0.83	1.53	1.51	1.78	2.54	2.80

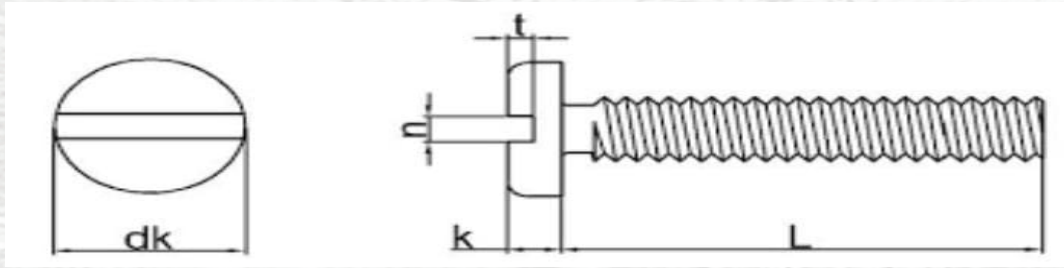
• Also available in ISO & IS standard.

• All measurements in millimeters



SLOTTED PAN HEAD SCREW DIN 85

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M3	M4	M5	M6	M8	M10
dk	6.00	8.00	10.00	12.00	16.00	20.00
k	1.80	2.40	3.00	3.60	4.80	6.00
n	0.80	1.20	1.20	1.60	2.00	2.50
t	0.70	1.00	1.20	1.40	1.90	2.40

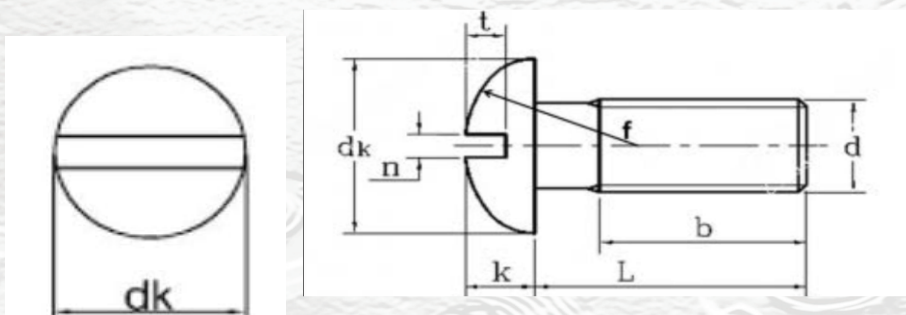
• Also available in ISO & IS standard.

• All measurements in millimeters



SLOTTED ROUND HEAD SCREW DIN 86

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M4	M5	M6	M8	M10
dk	7.00	9.00	10.50	14.00	16.00
k	2.60	3.50	4.00	5.40	7.00
n	1.00	1.10	1.20	1.60	2.00
t	1.60	1.80	2.50	3.30	3.50

• Also available in ISO & IS standard.

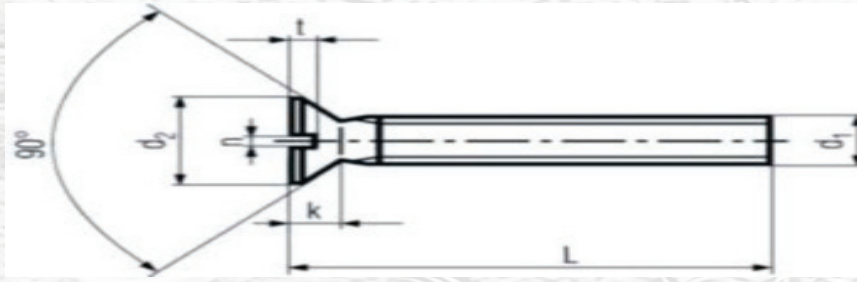
• All measurements in millimeters



SLOTTED COUNTERSUNK HEAD SCREW DIN 963



TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	M2	M3	M4	M5	M6	M8	M10	M12	M16
d_2	3.80	5.60	7.50	9.20	11.00	14.50	18.00	22.00	29.00
k max	1.20	1.65	2.20	2.50	3.00	4.00	5.00	6.00	8.00
n	0.50	0.80	1.00	1.20	1.60	2.00	2.50	3.00	4.00
t min	0.40	0.60	0.80	1.00	1.20	1.60	2.00	2.40	3.20

• Also available in ISO & IS standard.

• All measurements in millimeters



CHEESE HEAD SCREW DIN 84



TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	M2	M3	M4	M5	M6	M8	M10
t	0.60	0.85	1.10	1.30	1.60	2.00	2.40
n	0.50	0.80	1.20	1.20	1.60	2.00	2.50
k	1.30	2.00	2.60	3.30	3.90	5.00	6.00
d_2	3.80	5.50	7.00	8.50	10.00	13.00	16.00

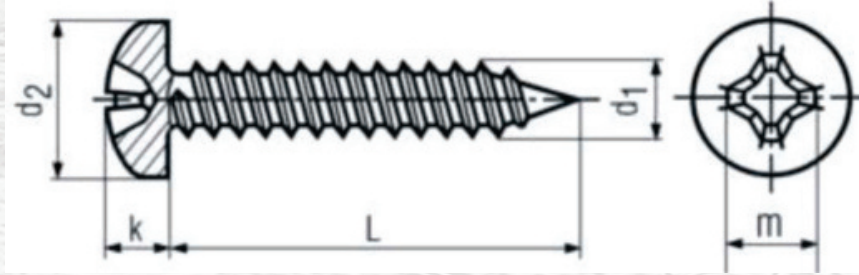
• Also available in ISO & IS standard.

• All measurements in millimeters



PAN PHILLIPS HEAD SELF SCREW DIN 7981

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	No. 2	No. 4	No. 6	No. 7	No. 8	No. 10	No. 12	No. 14
d_1	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
k max	1.8	2.2	2.6	2.8	3.05	3.55	3.95	4.55
d_2 max	4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
m approx.	2.6	3	4.2	4.4	4.6	5	6.5	7.1

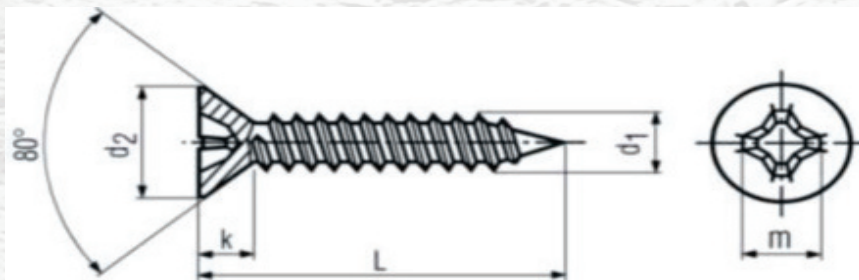
• Also available in ISO & IS standard.

• All measurements in millimeters



COUNTERSUNK PHILIPS HEAD SELF TAPPING SCREW DIN 7982

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	No. 2	No. 4	No. 6	No. 7	No. 8	No. 10	No. 12	No. 14
d_1	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
d_{max}	4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
k max	1.3	1.7	2.1	2.3	2.5	3	3.4	3.8
m approx.	2.5	3	4.2	4.6	4.7	5.1	6.8	7.1

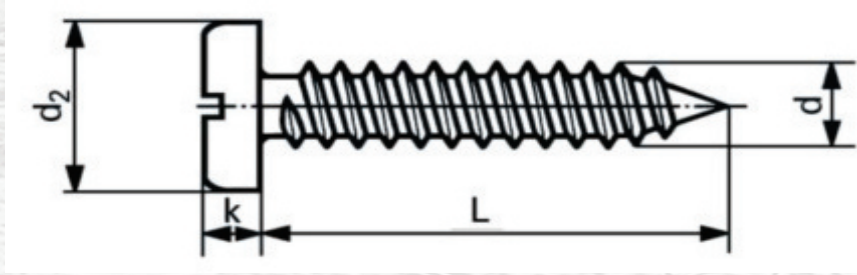
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

SLOTTED PAN HEAD SELF TAPPING SCREW DIN 7971



TECHNICAL SPECIFICATION

	No. 2	No. 4	No. 6	No. 7	No. 8	No. 10	No. 12	No. 14
d_1	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
d_2	4.2	5.6	6.9	7.5	8.2	9.5	10.8	12.5
k max	1.35	1.75	2.1	2.25	2.45	2.8	3.2	3.65

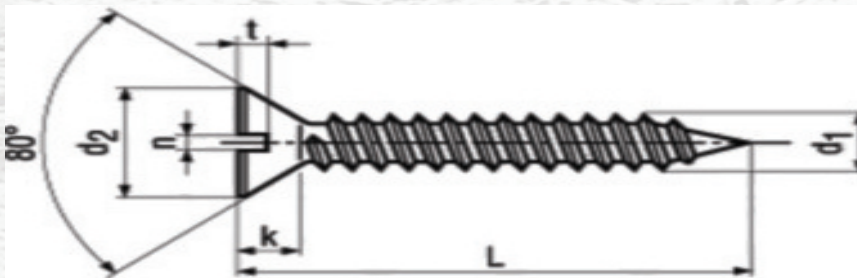
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

SLOTTED COUNTERSUNK HEAD SELF TAPPING SCREW DIN 7972



TECHNICAL SPECIFICATION

	ST. 2.2 (No.2)	ST. 2.9 (No.4)	ST.3.5 (No.6)	ST. 3.9 (No.7)	ST. 4.2 (No.8)	ST. 4.8 (No.10)	ST.5.5 (No.12)	ST. 6.3 (No.14)
d_1	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
d_2 max	4.30	5.50	6.80	7.50	8.10	9.50	10.80	12.00
k max	1.30	1.70	2.10	2.30	2.50	3.00	3.40	3.80
n	0.60	0.80	1.00	1.00	1.20	1.20	1.60	1.60
t min	0.40	0.50	0.60	0.70	0.75	0.85	1.00	1.20

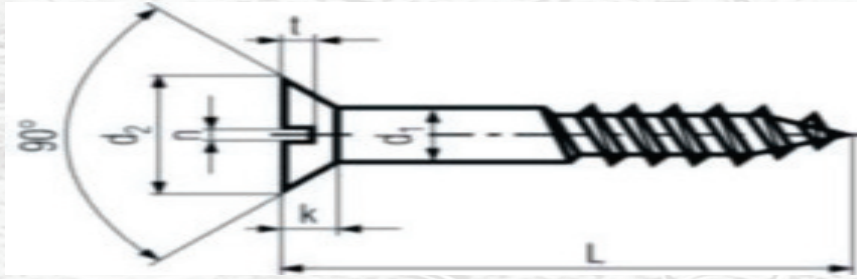
• Also available in ISO & IS standard.

• All measurements in millimeters



SLOTTED COUNTERSUNK HEAD WOOD SCREW DIN 97

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	2	3	4	5	6	7	8	10
d_2	3.8	5.6	7.5	9.2	11	12.5	14.5	18
k max.	1.2	1.65	2.2	2.5	3	3.5	4	5
n	0.5	0.8	1	1.2	1.6	2	2	2.5
t max.	0.6	0.85	1.1	1.3	1.6	1.9	2.1	2.6

• Also available in ISO & IS standard.

• All measurements in millimeters



HEXAGONAL HEAD COACH SCREW DIN 571

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	5	6	8	10	12	16
s	8	10	13	17	19	24
e	8.63	10.89	14.20	18.72	20.88	26.17
k	3.5	4	5.5	7	8	10

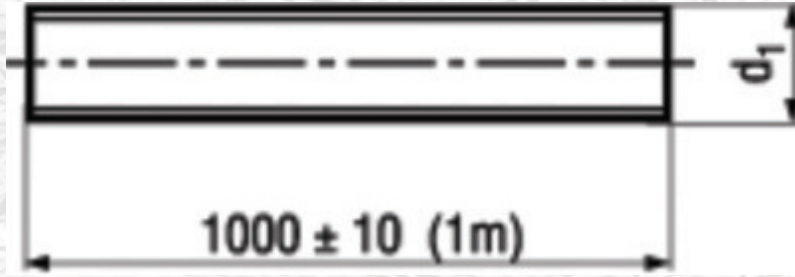
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

THREADED ROD DIN 975



TECHNICAL SPECIFICATION

d_1	M3	M4	M5	M6	M8	M10	M12	M14	M16
d_1	M18	M20	M22	M24	M27	M30	M33	M36	M39

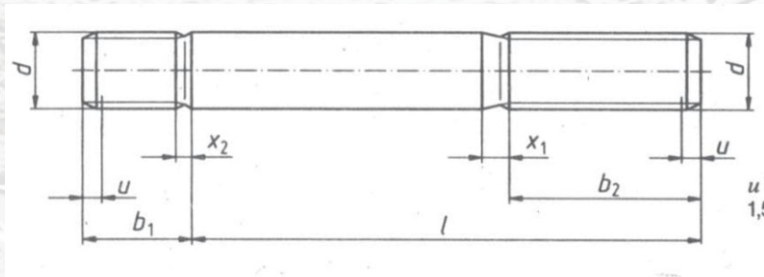
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

DOUBLE END STUD DIN 939



TECHNICAL SPECIFICATION

d	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
b_1	5	6.5	7.5	10	12	15	18	20	22	25	28	30
b_2 upto 125	14	16	18	22	26	30	34	38	42	46	50	54
b_2 126 to 200	20	22	24	28	32	36	40	44	48	52	56	60
b_2 above 200	-	-	-	-	45	49	53	57	61	65	69	73

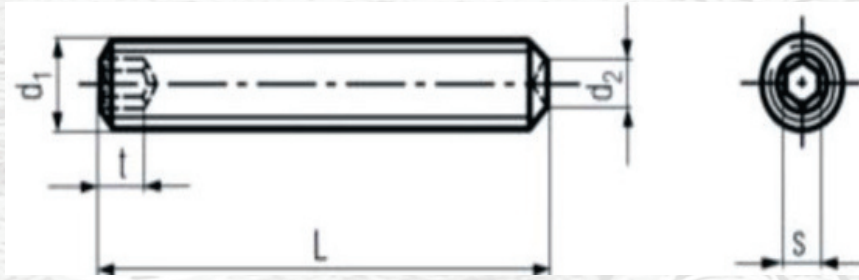
• Also available in ISO & IS standard.

• All measurements in millimeters



HEXAGONAL SOCKET GRUB SCREW WITH CUP POINT DIN 916

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	M2	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
$d_{2,max}$	1	1.4	2	2.5	3	5	6	8	9	10	14	16
t_{min}^*	0.8	1.2	1.5	2	2	3	4	4.8	5.6	6.4	8	10
s	0.9	1.5	2	2.5	3	4	5	6	6	8	10	12

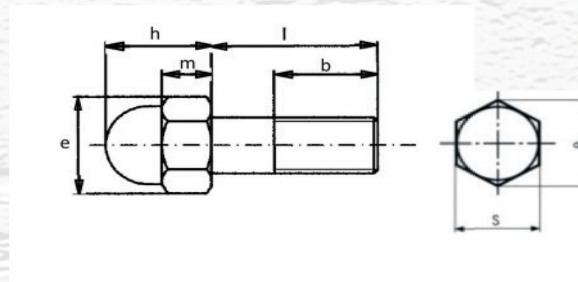
• Also available in ISO & IS standard.

• All measurements in millimeters



DOME HEAD BOLTS

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d_1	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
h	8	10	12	15	18	22	25	28	32	34	39	42
s	7	8	10	13	17	19	22	24	27	30	32	36
e	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98

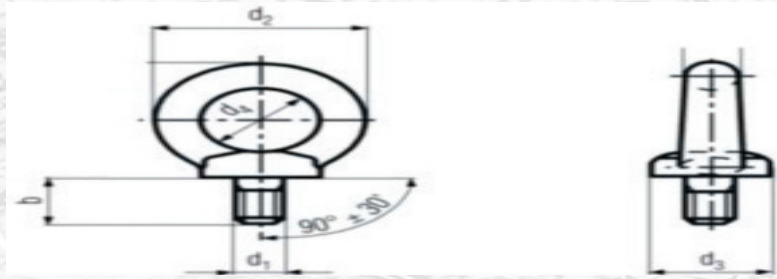
• Also available in ISO & IS standard.

• All measurements in millimeters



LIFTING EYE BOLT DIN 580

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M 8	M 10	M 12	M 16	M 20	M 24
d ₁	M 8	M 10	M 12	M 16	M 20	M 24
b	13	17	20.5	27	30	36
d ₂	36	45	54	63	72	90
d ₃	20	25	30	35	40	50
d ₄	20	25	30	35	40	50

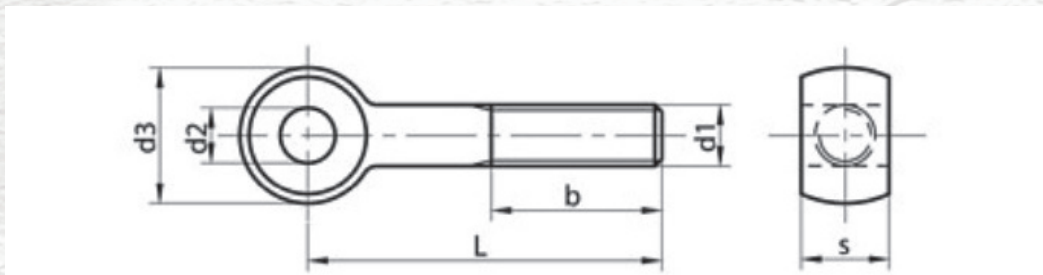
• Also available in ISO & IS standard.

• All measurements in millimeters



EYE BOLT DIN 444

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

	M5	M6	M8	M10	M12	M16	M20	M24
d ₁	M5	M6	M8	M10	M12	M16	M20	M24
d ₂	5	6	8	10	12	16	18	22
d ₃	12	14	18	20	25	32	40	45
s	8	9	11	14	17	19	24	28
b ₂ upto 125	16	18	22	26	30	38	46	54
b ₂ 126 to 200	-	-	28	32	36	44	52	60
b ₂ above 200	-	-	-	-	49	57	65	73

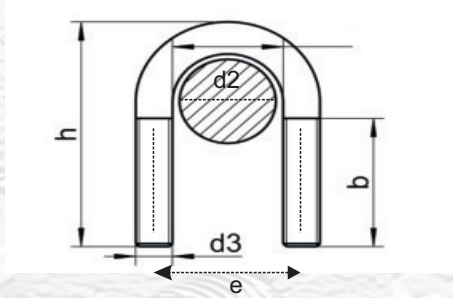
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

U BOLT DIN 3570



TECHNICAL SPECIFICATION

d3	M10	M10	M10	M10	M12	M12	M12
d2	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
h	70	76	86	92	109	125	138
b	40	40	50	50	50	50	50
e	40	48	56	62	76	94	106

• Also available rectangular shape U Bolt & J Bolt.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

Pin Type Anchor Bolt

Sleeve Type Anchor Fastener



Material	Stainless Steel & Mild Steel
Manufacturing Process	Cold Forging & Rolling
	Press Forming & Crimping
Size Range	Dia = M6 to M24
	Length = 50 to 300

Material	Stainless Steel & Mild Steel
Manufacturing Process	Cold Forging & Rolling
	Press Forming & Crimping
Size Range	Dia = M6 to M24
	Length = 50 to 300

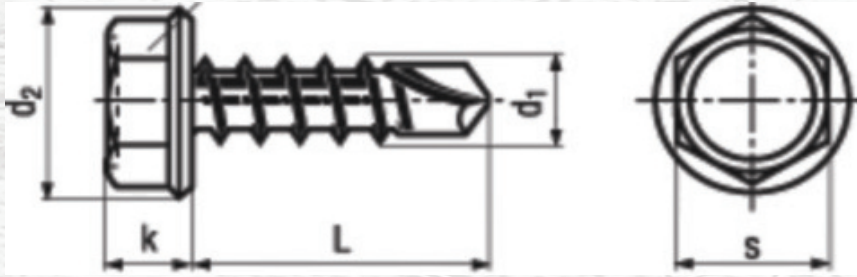
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

HEX HEAD SELF DRILLING SCREW DIN 7504K



TECHNICAL SPECIFICATION

	No.6	No. 8	No. 10	No. 12	No. 14
d_1	3.5	4.2	4.8	5.5	6.3
$d_{2,max}$	8.3	8.8	10,5	11	13.5
k max	3.4	4.1	4.3	5.4	5.9
s	5.5	7	8	8	10

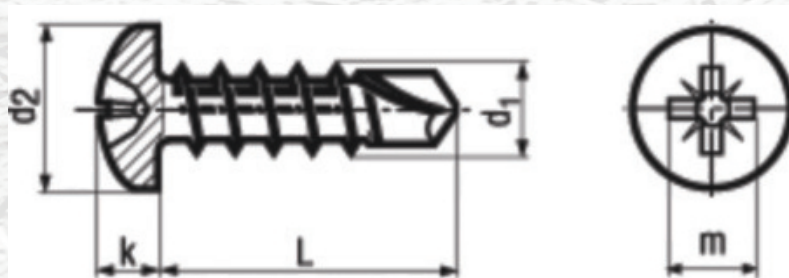
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

PAN PHILIPS HEAD SELF DRILLING SCREW DIN 7504M



TECHNICAL SPECIFICATION

	No. 6	No. 8	No. 10	No. 12	No. 14
d_1	3.5	4.2	4.8	5.5	6.3
$d_{2,max}$	7	8	9.5	11	12
k max	2.6	3.1	3,7	4	4.6
m	2	2	2	3	3

• Also available in ISO & IS standard.

• All measurements in millimeters

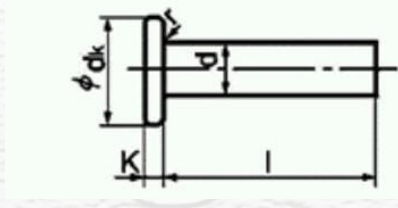
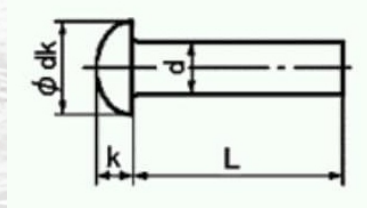


TOKAS FASTENING SOLUTION

ROUND HEAD RIVETS



FLAT HEAD RIVETS



Round Rivets (IS 2998)

TECHNICAL SPECIFICATION

d	1	2	3	4	5	6	7	8	10	12	14	16
dk	1.60	3.20	4.80	6.40	8	9.60	11.20	12.80	16	19.20	22.4	25.60
k	0.70	1.40	2.10	2.80	3.50	4.20	4.90	5.60	7	8.4	9.80	11.20

Flat Rivets (IS 2998)

TECHNICAL SPECIFICATION

d	1	2	3	4	5	6	7	8	10	12	14	16
dk	2	4	6	8	10	12	14	16	20	24	28	32
k	0.25	0.50	0.75	1	1.25	1.50	1.75	2	2.5	3	3.50	4.00

• Also available in ISO & IS standard.

• All measurements in millimeters

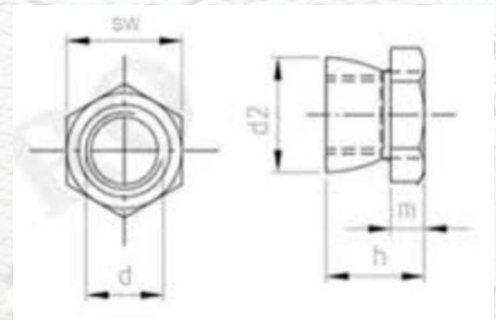
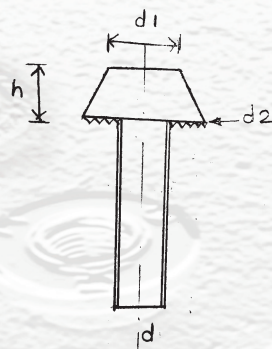


TOKAS FASTENING SOLUTION

ANTI THEFT BOLT



ANTI THEFT NUT



d	M6	M8	M10	M12	M16
d1	6	8	10	12	16
d2	12	15	18	21	26
h	5	6	7	8	9

d	M6	M8	M10	M12	M16
s	10	13	17	19	24
h	8	12	14	16	20.5
d2	9.80	12.80	16.80	18.80	23.80

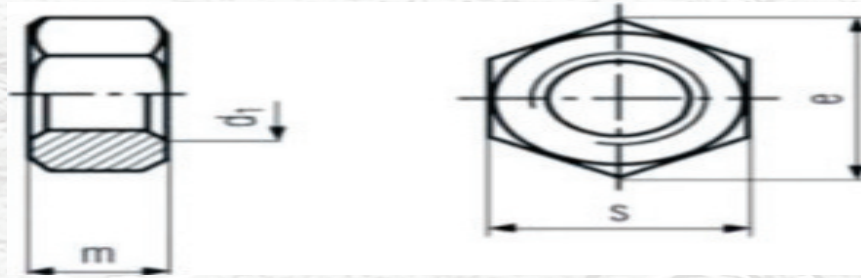
• Also available as per customer requirement.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

HEX NUT DIN 934



TECHNICAL SPECIFICATION

d ₁	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
s	5.50	7.00	8.00	10.00	13.00	17.00	19.00	22.00	24.00	30.00	36.00
e	6.01	7.66	8.79	11.05	14.38	18.90	21.10	24.49	26.75	32.95	39.55
m	2.40	3.20	4.00	5.00	6.50	8.00	10.00	11.00	13.00	16.00	19.00

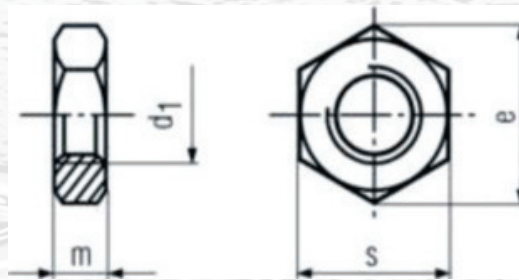
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

LOCK NUT DIN 439



TECHNICAL SPECIFICATION

d ₁	M2	M3	M4	M5	M6	M8	M10	M12	M16
s	4	5.5	7	8	10	13	17	19	24
e	4.32	6.01	7.66	8.79	11.05	14.38	18.9	21.1	25.75
m	1.2	1.8	2.2	2.7	3.2	4	5	6	8

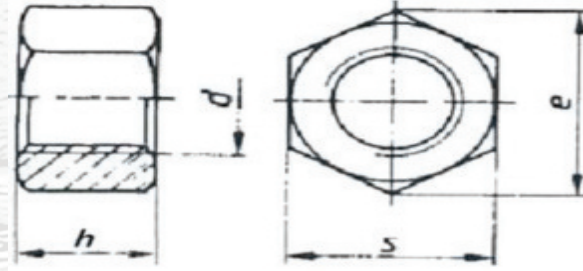
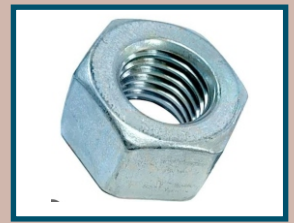
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

HEAVY HEX NUT DIN 5587



TECHNICAL SPECIFICATION

d	M4	M5	M6	M8	M10	M12	M14	M16	M20
s	7	8	10	13	17	19	22	24	30
e	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	32.95
h	4	5	6	8	10	12	14	16	20

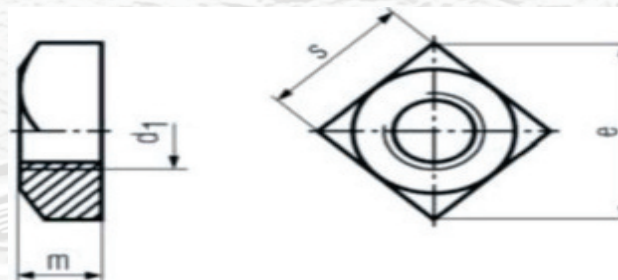
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

SQUARE NUT DIN 557



TECHNICAL SPECIFICATION

d ₁	M3	M6	M8	M10	M12	M16
s	8	10	13	17	19	24
e	11.3	14.1	18.4	24	26.9	33.9
m	4	5	6.5	8	10	13

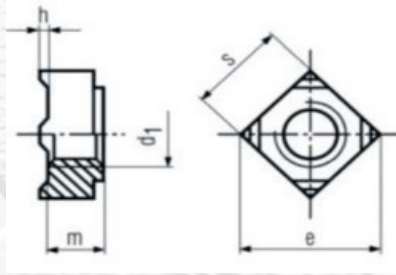
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

SQUARE WELD NUT DIN 928



TECHNICAL SPECIFICATION

	M4	M5	M6	M8	M10	M12
d_1	M4	M5	M6	M8	M10	M12
e	9	12	13	18	22	25
h	0.6	0.8	0.8	1	1.2	1.4
m	3.5	4.2	5	6.5	8	9.5
s	7	9	10	14	17	19

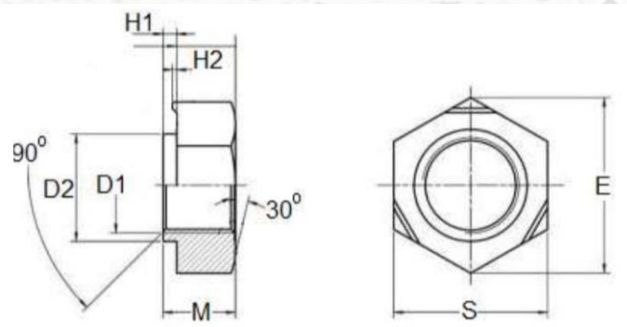
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

HEXAGONAL WELD NUT DIN 929



TECHNICAL SPECIFICATION

	M3	M4	M5	M6	M8	M10	M12	M14	M16
D_1	M3	M4	M5	M6	M8	M10	M12	M14	M16
D_2	4.5	6	7	8	10.50	12.50	14.80	16.80	18.80
H_1	0.55	0.65	0.7	0.75	0.9	1.15	1.40	1.80	1.80
H_2	0.25	0.35	0.40	0.40	0.50	0.65	0.8	1	1
m	3	3.5	4	5	6.5	8	10	11	13
s	7.5	9	10	11	14	17	19	22	24

• Also available in ISO & IS standard.

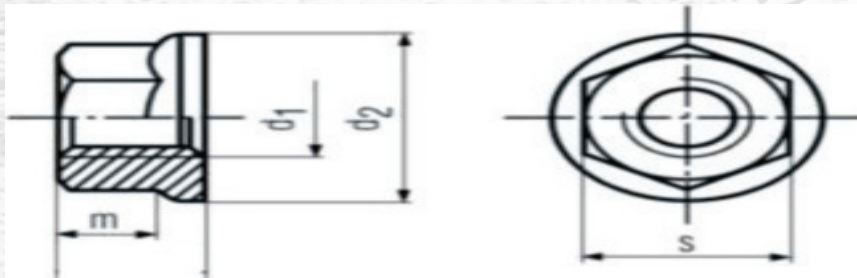
• All measurements in millimeters



HEXAGONAL FLANGE NUT

DIN 6923 / IS : 15581

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d ₁	M5	M6	M8	M10	M12	M14	M16	M20
d ₂	11.8	14.2	17.9	21.8	26	29.9	34.5	42.8
s	8	10	13	15	18	21	24	30
m	5	6	8	10	12	14	16	20

• Also available in ISO & IS standard.

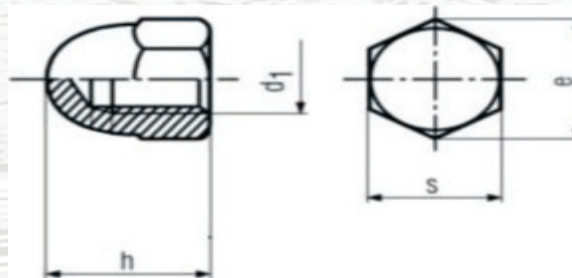
• All measurements in millimeters



DOME NUT

DIN 1587

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

d ₁	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
h	8	10	12	15	18	22	25	28	32	34	39	42
s	7	8	10	13	17	19	22	24	27	30	32	36
e	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98

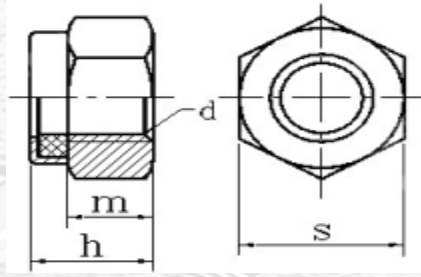
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

NYLOCK NUT DIN 985



TECHNICAL SPECIFICATION

d	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
h max	5	6	8	10	12	14	16	18.5	20	22	24
m	3.20	4	5.5	6.5	8	9.5	10.5	13	14	15	15
s max	8	10	13	17	19	22	24	27	30	32	36

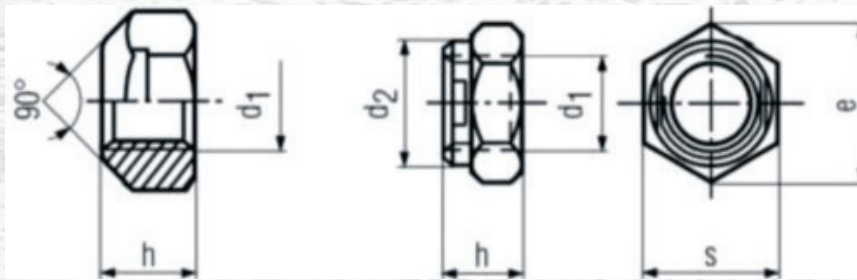
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

NYLOCK NUT DIN 982



TECHNICAL SPECIFICATION

d ₁	M5	M6	M8	M10	M12	M14	M16	M20	M24
s	8	10	13	17	19	22	24	30	36
e	8.79	11.05	14.38	18.90	21.1	24.49	26.75	32.95	39.55
m min	3.52	3.92	5.15	6.43	8.3	9.68	11.28	13.52	16.16
h	6.3	8	9.5	11.5	14	16	18	22	28

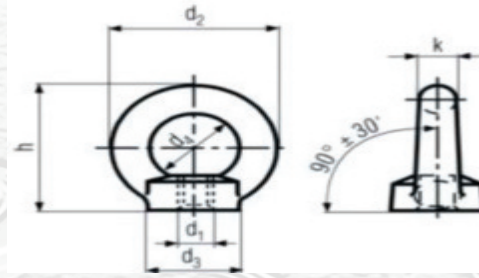
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

EYE NUT DIN 582



TECHNICAL SPECIFICATION

	M8	M10	M12	M16	M20	M24	M30	M36
d_1	M8	M10	M12	M16	M20	M24	M30	M36
d_2	36	45	54	63	72	90	108	126
d_3	20	25	30	35	40	50	65	75
d_4	20	25	30	35	40	50	60 ₄	70
h	36	45	53	62	71	90	109	128
k	8	10	12	14	16	20	24	28

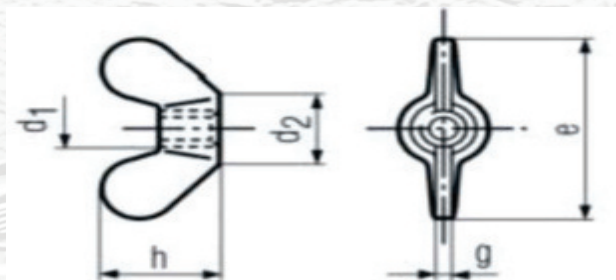
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

WING NUT DIN 315



TECHNICAL SPECIFICATION

	M4	M5	M6	M8	M10	M12	M16	M20	M24
d_1	M4	M5	M6	M8	M10	M12	M16	M20	M24
d_2	6	8	10	13	17	20	26	32	41
e	18	24	30	36	48	62	70	86	106
g	1.7	2.3	2.7	3.6	4.6	5.6	6.5	7	9.5
h	8.5	11	15	18	23	31	35	44	53.5

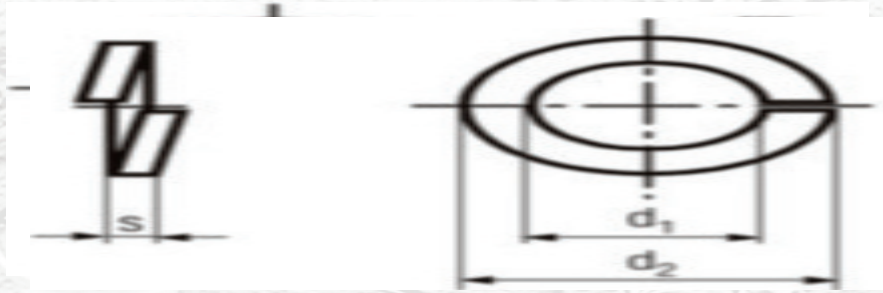
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

SPRING WASHER DIN 127



TECHNICAL SPECIFICATION

for thread size	M2	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
d ₁ (min)	2.1	3.1	4.1	5.1	6.1	8.1	10.2	12.2	14.2	16.2	18.2	20.2	22.5	24.5
d ₂ (max)	4.4	6.2	7.6	9.2	11.8	14.8	18.1	21.1	24.1	27.4	29.4	33.6	35.9	40
s	0.5	0.8	0.9	1.2	1.6	2	2.2	2.5	3	3.5	3.5	4	4	5

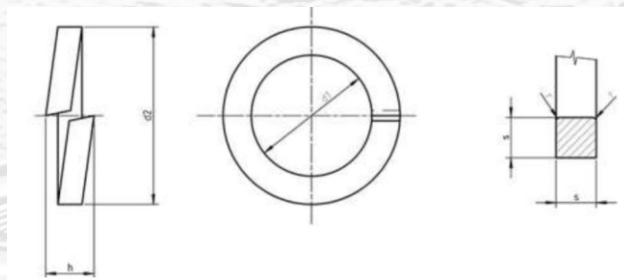
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

SPRING WASHER DIN 7980



TECHNICAL SPECIFICATION

for thread size	M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
d ₁ (min)	3.10	3.60	4.10	5.10	6.10	8.1	10.20	12.20	14.20	16.20	18.20	20.20	22.5	24.5
d ₂ (max)	5.60	6.10	7	8.80	9.90	12.70	16	18	21.10	24.40	26.40	30.60	32.9	35.90
s	1	1	1.20	1.60	1.60	2	2.50	2.50	3	3.5	3.5	4.5	4.6	5

• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

PLAIN WASHER DIN 125



TECHNICAL SPECIFICATION

for thread size	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
d ₁ (min)	3.2	4.3	5.3	6.4	8.4	10.5	13	15	17	19	21	23	25
d ₂ (max)	7	9	10	12	16	20	24	28	30	34	37	39	44
s	0.5	0.8	1	1.6	1.6	2	2.5	2.5	3	3	3	3	4

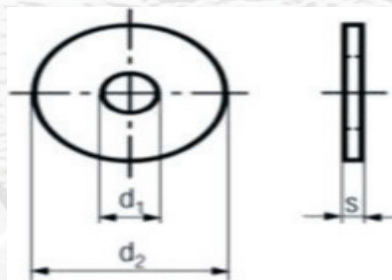
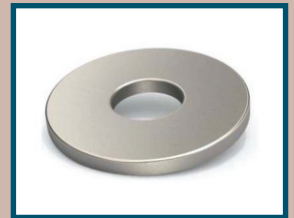
• Also available in ISO & IS standard.

• All measurements in millimeters



TOKAS FASTENING SOLUTION

BIG OD WASHER DIN 9021



TECHNICAL SPECIFICATION

Used for	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20
d ₁ (min)	3.2	4.3	5.3	6.4	8.4	10.5	13	14	17	20	22
d ₂ max	9	12	15	18	24	30	37	44	50	56	60
s	0.8	1	1.2	1.6	2	2.5	3	3	3	4	4

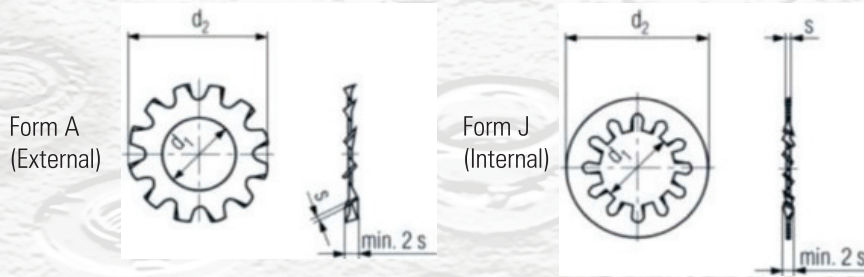
• Also available in ISO & IS standard.

• All measurements in millimeters



TOOTHED LOCK WASHER DIN 6797

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

Used for	M3	M4	M5	M5	M6	M8	M8	M10	M12	M14	M16	M20	M24
d_1 (min)	3.2	4.3	5.1	5.3	6.4	8.2	8.4	10.5	13	15	17	21	25
d_2 (max)	6	8	9	10	11	14	15	18	20.5	24	26	33	38
s	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1	1	1.2	1.4	1.5

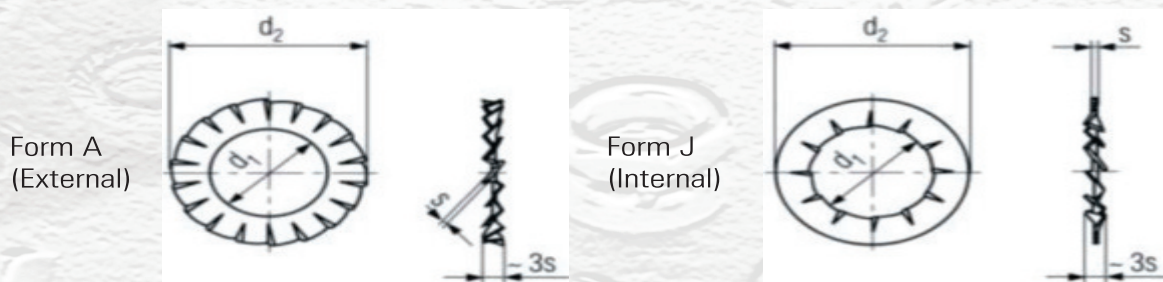
• Also available in ISO & IS standard.

• All measurements in millimeters



SERRATED LOCK WASHER DIN 6798

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

Used for	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
d_1	3.2	4.3	5.3	6.4	8.4	10.5	13	15	17	21	25
d_2	6	8	10	11	15	18	20.5	24	26	33	38
s	0.4	0.5	0.6	0.7	0.8	0.9	1	1	1.2	1.4	1.5

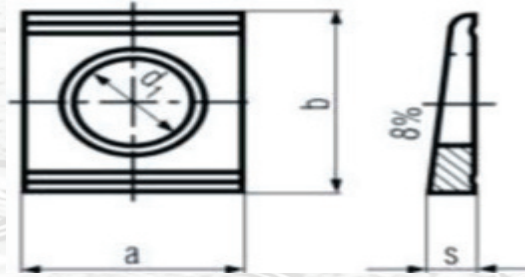
• Also available in ISO & IS standard.

• All measurements in millimeters



SQUARE TAPER WASHER DIN 434

TOKAS FASTENING SOLUTION



TECHNICAL SPECIFICATION

Used for	M8	M10	M12	M16	M20	M22	M24	M27
d_1	9	11	13.5	17.5	22	24	26	30
a	22	22	26	32	40	44	56	56
b	22	22	30	36	44	50	56	56
s	3.8	3.8	4.9	5.9	7	8	8.5	8.5

• Also available in ISO & IS standard.

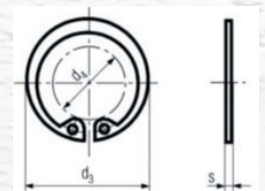
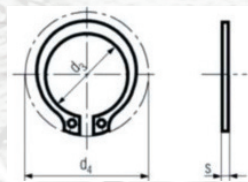
• All measurements in millimeters



External Circlip DIN 471

TOKAS FASTENING SOLUTION

Internal Circlip DIN 472



Material	Spring Steel (C60S or C75S)
	Stainless Steel 304 & 316
Manufacturing Process	Stamping / Pressing
	Heat treatment (Hardening & Tempering)
	Tumbling / Deburring
	Surface Treatment (Phosphating)
Size Range	4 mm to 300 mm

Material	Spring Steel (C60S or C75S)
	Stainless Steel 304 & 316
Manufacturing Process	Stamping / Pressing
	Heat treatment (Hardening & Tempering)
	Tumbling / Deburring
	Surface Treatment (Phosphating)
Size Range	4 mm to 300 mm

• All measurements in millimeters



COTTER PIN DIN 94

TOKAS FASTENING SOLUTION



Material	Carbon Steel & Stainless Steel
	Copper & Brass
Manufacturing Process	Cold Forming
	Cutting
	Bending
Size Range	Dia = 0.6 to 20
	Length = 4 mm to 380 mm

DOWEL PIN DIN 6325



Material	Carbon Steel & Stainless Steel
	Alluminium & Brass
Manufacturing Process	Cutting & Forming
	Turning & Machining
	Heat Treatment
	Grinding & Polishing
	Cleaning & Oiling
Size Range	Dia = 1 to 20
	Length = 4 mm to 120 mm

• All measurements in millimeters



POP RIVETS

TOKAS FASTENING SOLUTION



Material	Allinium, Steel & Copper
Manufacturing Process	Cold Heading
Size Range	Dia = 3.20 to 4.80 5/32" to 3/16"
	Length = 6 mm to 25 mm 1/4" to 1"

RIVETING NUT



Material	Allinium & Steel
Manufacturing Process	Cold Frging & Machining
Size Range	Dia = m3 to m12
	Length = 6 mm to 25 mm

• All measurements in millimeters



Chemical Composition :

AISI	DIN	C Max %	Si Max %	Mn %	P Max %	S Max %	Ni Max %	Cr %	Mo %	Cu/Ti %
201	–	0.15	1.00	7.0-9.0	0.10	0.030	0.3-0.5	14.0-16.0	–	1.50 Cu
201Cu	–	0.10	1.00	8.0-8.5	0.080	0.030	1.00-1.50	14.0-16.0	–	1.5-2.0 Cu
204Cu	1.4597	0.08	2.00	6.5-8.5	0.060	0.030	1.50--2.0	16.0-17.0	–	2.0-3.0 Cu
202	–	0.150	1.00	7.5- 10.0	0.060	0.030	4.00-6.00	17.0-19.0	–	–
302	1.4310	0.12	1.00	2.00	0.045	0.030	8.00-10.00	17.0-19.0	–	–
302HQ	1.4567	0.03	1.00	2.00	0.045	0.030	9.0-11.0	17.0-19.0	–	3.0-40 Cu
304	1.4301	0.08	1.00	2.00	0.045	0.030	8.00-10.00	18.0-20.0	–	–
304L	1.4307	0.03	1.00	2.00	0.045	0.030	8.00-10.50	17.5-19.5	–	–
304HC	–	0.08	1.00	2.00	0.045	0.030	8.00-10.0	18.0-20.0	–	2.0-3.0 Cu
316	1.4401	0.08	1.00	2.00	0.040	0.030	10.00-14.00	16.0-18.0	2.00-3.00	–
316 L	1.4404	0.03	1.00	2.00	0.045	0.030	10.00-14.00	16.0-18.0	2.00-3.00	–
316 Ti	1.4571	0.08	1.00	2.00	0.045	0.030	10.00-12.00	16.0-18.0	2.00-3.00	–
430L	1.4016	0.03	1.00	1.00	0.040	0.030	–	16.0-18.0	–	–
410	1.4006	0.15	1.00	1.00	0.040	0.030	0.75	11.5-13.5	–	–