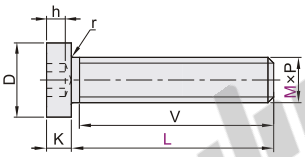
Hex Socket Low Head Cap Screws
Shoulder Bolts

Hex Socket Low Head Cap Screws

Code	Type	Material	Surface Treatment	Strength Class
TAF02	Low Head Type	SUS304	—	A2-70

Features:Can be used without modification in locations where the heads of conventional hexagon socket head cap screws would cause an obstruction.



Code	Tensile Strength (N/mm^2)	0.2% Proof Stress (N/mm^2)	Corrosion Resistance	Nonmagnetic
TAF02	800	640	Excellent	Excellent

The first perspective

Applicable Standards: DIN 7984-2002

Part Number Code	M	L	P Pitch	V	D max	D min	K max	K min	S max	S min	h max	h min	r (min)
TAF02	2	4 5 6 8	0.4	Full Thread	3.8	3.62	1.4	1.16	1.36	1.32	—	0.7	0.1
	2.5	4 5 6 8 10	0.45		4.5	4.32	1.6	1.46	1.56	1.52	—	1	0.1
	3	4 5 6 8 10 12 14 16 20	0.5		5.5	5.32	2	1.86	2.1	2.02	1.62	1.38	0.1
	4	6 8 10 12 16 20 25 30 35 40	0.7		7	6.78	2.8	2.66	2.6	2.52	2.42	2.18	0.2
	5	6 8 10 12 16 20 25 30 35 40	0.8		8.5	8.28	3.5	3.32	3.1	3.02	2.82	2.58	0.2
	6	8 10 12 16 20 25 30 35 40 45 50	1.0		10	9.78	4	3.82	4.12	4.02	3.12	2.88	0.25
	8	10 12 16 20 25 30 35 40 45 50	1.25		13	12.73	5	4.82	5.14	5.02	3.95	3.65	0.4
	10	16 20 25 30 35 40 45	1.5		16	15.73	6	5.82	7.175	7.025	4.65	4.35	0.4
	12	16 20 25 30 35	1.75		18	17.73	7	6.78	8.175	8.025	5.15	4.85	0.6

Please order as shown

Part Number Code	M	L
TAF02	3	6 8 10
	4	8 10 12
	5	8 10 12

TAF02 — M5 — L12

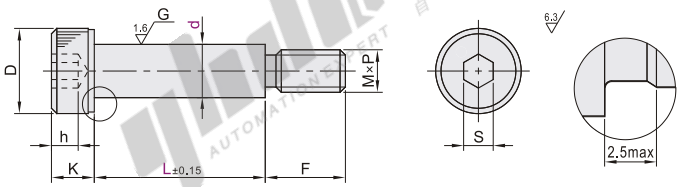
Discount price

per	1~199	200~
Price	100%	Additional quotation

Delivery 6

Shoulder Bolts

Code	Type	Tolerance Class	Material GB	Material Equiv.	Hardness	Strength Class
TBH01	Short Head Type	—	35CrMo	SCM435	39~44HRC	12.9
TBH11	Standard	e9				



TBH01 Applicable Standards:
ISO 7379-1983
GB/T 5281-1985
JIS B 1175-1988

TBH01/TBH11 has no surface treatment on the polished rod.

The first perspective

Short Head Type

Part Number Code	d		L	M	P Pitch	D	S	h	K	F
TBH01	6		10 12 16 20 25 30 35 40 45 50 55 60 70	5	0.8	10	3	2.4	4.5	9.75
	6.5	-0.013 -0.049	10 16 20 25 30 35 40 45 50 55 60 70							
	8		10 12 16 20 25 30 35 40 45 50 55 60 70 80 90	6	1.0	13	4	3.3	5.5	11.25
	10		16 20 25 30 35 40 45 50 55 60 70 80 90 100 110	8	1.25	16	5	4.2	7	13.25
	13	-0.016 -0.059	16 20 25 30 35 40 45 50 55 60 70 80 90 100 110 120	10	1.5	18	6	4.9	9	16.4
	16		20 25 30 35 40 45 50 55 60 70 80 90 100 110 120	12	1.75	24	8	6.6	11	18.4
	20	-0.020 -0.072	25 30 35 40 45 50 55 60 70 80 90 100 110 120 130	16	2.0	30	10	8.8	14	22.4

Standard

Part Number Code	d e9		L	M	P Pitch	D	S	h	K	F
TBH11	4		10 15 20 25 30 35 40 45	2.5	0.45	6.5			3	5
	4.5		10 15 20 25 30 35 40 45 50	3	0.5	7	2.5	1.6		6
	5	-0.020 -0.050	10 15 20 25 30 35 40 45 50			8			3.5	
	5.5		10 15 20 25 30 35 40 45 50 55	4	0.7	9	3	2.2	4	7
	6		10 15 20 25 30 35 40 45 50 55 60 65 70					2		
	6.5		10 15 20 25 30 35 40 45 50 55 60 65 70 75 80	5	0.8	10	4	2.5	5	9
	8	-0.025 -0.061	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 100	6	1.0	13	5	3	6	
	10		15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 100	8	1.25	16	6	4	8	12
	12		15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 100			17				
	13	-0.032 -0.075	15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 100	10	1.5	18	8	5	10	16
	16		20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 100	12	1.75	24	10	7	14	18
	20	-0.040 -0.092	40 50 60 70 80 90 100	16	2.0	27	14	9	18	24

Please order as shown

Short Head Type

Part Number Code	d	L	M
TBH01	6	10 12 16 20 25	5
	6.5	10 16 20 25	

TBH01 — d6 — L16

Discount price

Per	1~199	200~
Price	100%	Additional quotation

Delivery 4