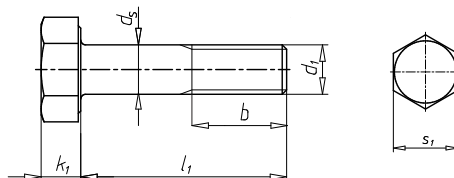


HEXAGONAL BOLT FOR HIGH-STRENGTH FITTINGS

**DIN EN 14399-4 steel 10.9,
hot-dip galvanised (TZN)**



Thread type x nominal diameter (d ₁)	Length (l ₁)	Head height (k ₁)	External drive (s ₁)	Shaft diameter (d ₂)	Thread length (metric thread) (b)	Pitch	Min./max. pack thickness	Min./max. grip length	Art. No.	P. Qty.
M12	85 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	60-65 mm	66-71 mm	0079 412 85	1/50
M12	90 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	65-70 mm	71-76 mm	0079 412 90	1/50
M12	95 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	70-75 mm	76-81 mm	0079 412 95	1/50
M12	100 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	75-80 mm	81-86 mm	0079 412 100	1/50
M12	105 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	80-85 mm	86-91 mm	0079 412 105	1/50
M12	110 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	85-90 mm	91-96 mm	0079 412 110	1/50
M12	115 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	90-95 mm	96-101 mm	0079 412 115	1/50
M12	120 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	95-100 mm	101-106 mm	0079 412 120	1/50
M12	125 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	100-105 mm	106-111 mm	0079 412 125	1/50
M12	130 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	105-110 mm	111-116 mm	0079 412 130	1/50
M12	135 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	110-115 mm	116-121 mm	0079 412 135	1/50
M12	140 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	115-120 mm	121-126 mm	0079 412 140	1/50
M12	145 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	120-125 mm	126-131 mm	0079 412 145	1/50
M12	150 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	125-130 mm	131-136 mm	0079 412 150	1/50
M12	155 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	130-135 mm	136-141 mm	0079 412 155	1/25
M12	160 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	135-140 mm	141-146 mm	0079 412 160	1/25
M12	165 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	140-145 mm	146-151 mm	0079 412 165	1/25
M12	170 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	145-150 mm	151-156 mm	0079 412 170	1/25
M12	175 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	150-155 mm	156-161 mm	0079 412 175	1/25
M12	180 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	155-160 mm	161-166 mm	0079 412 180	1/25
M12	190 mm	8 mm	WS22	12 mm	23 mm	1.75 mm	165-170 mm	171-176 mm	0079 412 190	1/25
M16	35 mm	10 mm	WS27	16 mm	28 mm	2 mm	12-12 mm	20-20 mm	0079 416 35	1/50
M16	40 mm	10 mm	WS27	16 mm	28 mm	2 mm	9-14 mm	17-22 mm	0079 416 40	1/50
M16	45 mm	10 mm	WS27	16 mm	28 mm	2 mm	14-19 mm	22-27 mm	0079 416 45	1/50
M16	50 mm	10 mm	WS27	16 mm	28 mm	2 mm	19-24 mm	27-32 mm	0079 416 50	1/50
M16	55 mm	10 mm	WS27	16 mm	28 mm	2 mm	24-29 mm	32-37 mm	0079 416 55	1/50
M16	60 mm	10 mm	WS27	16 mm	28 mm	2 mm	29-34 mm	37-42 mm	0079 416 60	1/50
M16	65 mm	10 mm	WS27	16 mm	28 mm	2 mm	34-39 mm	42-47 mm	0079 416 65	1/25
M16	70 mm	10 mm	WS27	16 mm	28 mm	2 mm	39-44 mm	47-52 mm	0079 416 70	1/25
M16	75 mm	10 mm	WS27	16 mm	28 mm	2 mm	44-49 mm	52-57 mm	0079 416 75	1/25
M16	80 mm	10 mm	WS27	16 mm	28 mm	2 mm	49-54 mm	57-62 mm	0079 416 80	1/25
M16	85 mm	10 mm	WS27	16 mm	28 mm	2 mm	54-59 mm	62-67 mm	0079 416 85	1/25
M16	90 mm	10 mm	WS27	16 mm	28 mm	2 mm	59-64 mm	67-72 mm	0079 416 90	1/25
M16	95 mm	10 mm	WS27	16 mm	28 mm	2 mm	64-69 mm	72-77 mm	0079 416 95	1/25
M16	100 mm	10 mm	WS27	16 mm	28 mm	2 mm	69-74 mm	77-82 mm	0079 416 100	1/25
M16	105 mm	10 mm	WS27	16 mm	28 mm	2 mm	74-79 mm	82-87 mm	0079 416 105	1/25
M16	110 mm	10 mm	WS27	16 mm	28 mm	2 mm	79-84 mm	87-92 mm	0079 416 110	1/25
M16	115 mm	10 mm	WS27	16 mm	28 mm	2 mm	84-89 mm	92-97 mm	0079 416 115	1/25
M16	120 mm	10 mm	WS27	16 mm	28 mm	2 mm	89-94 mm	97-102 mm	0079 416 120	1/25
M16	125 mm	10 mm	WS27	16 mm	28 mm	2 mm	94-99 mm	102-107 mm	0079 416 125	1/25
M16	130 mm	10 mm	WS27	16 mm	28 mm	2 mm	99-104 mm	107-112 mm	0079 416 130	1/25