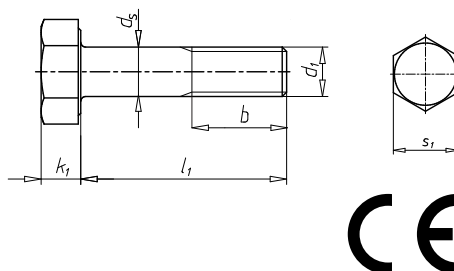


HEXAGONAL BOLT FOR HIGH-STRENGTH FITTINGS

**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 ₁)	Thread length (metric thread) (b)	Pitch	Min./max. pack thickness	Min./max. grip length	Art. No.	P. Qty.
M20	200 mm	13 mm	WS32	20 mm	33 mm	2.5 mm	165-170 mm	173-178 mm	0079 420 200	1/15
M20	210 mm	13 mm	WS32	20 mm	33 mm	2.5 mm	175-180 mm	183-188 mm	0079 420 210	1/10
M20	220 mm	13 mm	WS32	20 mm	33 mm	2.5 mm	185-190 mm	193-198 mm	0079 420 220	1/10
M20	230 mm	13 mm	WS32	20 mm	33 mm	2.5 mm	195-200 mm	203-208 mm	0079 420 230	1/10
M20	240 mm	13 mm	WS32	20 mm	33 mm	2.5 mm	205-210 mm	213-218 mm	0079 420 240	1/10
M20	250 mm	13 mm	WS32	20 mm	33 mm	2.5 mm	215-220 mm	223-228 mm	0079 420 250	1/10
M22	50 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	14-19 mm	22-27 mm	0079 422 50	1/25
M22	55 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	19-24 mm	27-32 mm	0079 422 55	1/25
M22	60 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	24-29 mm	32-37 mm	0079 422 60	1/25
M22	65 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	29-34 mm	37-42 mm	0079 422 65	1/25
M22	70 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	34-39 mm	42-47 mm	0079 422 70	1/25
M22	75 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	39-44 mm	47-52 mm	0079 422 75	1/25
M22	80 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	44-49 mm	52-57 mm	0079 422 80	1/25
M22	85 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	49-54 mm	57-62 mm	0079 422 85	1/15
M22	90 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	54-59 mm	62-67 mm	0079 422 90	1/15
M22	95 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	59-64 mm	67-72 mm	0079 422 95	1/15
M22	100 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	64-69 mm	72-77 mm	0079 422 100	1/15
M22	105 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	69-74 mm	77-82 mm	0079 422 105	1/15
M22	110 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	74-79 mm	82-87 mm	0079 422 110	1/15
M22	115 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	79-84 mm	87-92 mm	0079 422 115	1/15
M22	120 mm	14 mm	WS36	22 mm	34 mm	2.5 mm	84-89 mm	92-97 mm	0079 422 120	1/15
M24	50 mm	15 mm	WS41	24 mm	39 mm	3 mm	11-16 mm	19-24 mm	0079 424 50	1/25
M24	55 mm	15 mm	WS41	24 mm	39 mm	3 mm	16-21 mm	24-29 mm	0079 424 55	1/25
M24	60 mm	15 mm	WS41	24 mm	39 mm	3 mm	21-26 mm	29-34 mm	0079 424 60	1/25
M24	65 mm	15 mm	WS41	24 mm	39 mm	3 mm	26-31 mm	34-39 mm	0079 424 65	1/25
M24	70 mm	15 mm	WS41	24 mm	39 mm	3 mm	31-36 mm	39-44 mm	0079 424 70	1/25
M24	75 mm	15 mm	WS41	24 mm	39 mm	3 mm	36-41 mm	44-49 mm	0079 424 75	1/25
M24	80 mm	15 mm	WS41	24 mm	39 mm	3 mm	41-46 mm	49-54 mm	0079 424 80	1/25
M24	85 mm	15 mm	WS41	24 mm	39 mm	3 mm	46-51 mm	54-59 mm	0079 424 85	1/15
M24	90 mm	15 mm	WS41	24 mm	39 mm	3 mm	51-56 mm	59-64 mm	0079 424 90	1/15
M24	95 mm	15 mm	WS41	24 mm	39 mm	3 mm	56-61 mm	64-69 mm	0079 424 95	1/15
M24	100 mm	15 mm	WS41	24 mm	39 mm	3 mm	61-66 mm	69-74 mm	0079 424 100	1/15
M24	105 mm	15 mm	WS41	24 mm	39 mm	3 mm	66-71 mm	74-79 mm	0079 424 105	1/15
M24	110 mm	15 mm	WS41	24 mm	39 mm	3 mm	71-76 mm	79-84 mm	0079 424 110	1/15
M24	115 mm	15 mm	WS41	24 mm	39 mm	3 mm	76-81 mm	84-89 mm	0079 424 115	1/15
M24	120 mm	15 mm	WS41	24 mm	39 mm	3 mm	81-86 mm	89-94 mm	0079 424 120	1/15
M24	125 mm	15 mm	WS41	24 mm	39 mm	3 mm	86-91 mm	94-99 mm	0079 424 125	1/10
M24	130 mm	15 mm	WS41	24 mm	39 mm	3 mm	91-96 mm	99-104 mm	0079 424 130	1/10
M24	135 mm	15 mm	WS41	24 mm	39 mm	3 mm	96-101 mm	104-109 mm	0079 424 135	1/10
M24	140 mm	15 mm	WS41	24 mm	39 mm	3 mm	101-106 mm	109-114 mm	0079 424 140	1/10
M24	145 mm	15 mm	WS41	24 mm	39 mm	3 mm	106-111 mm	114-119 mm	0079 424 145	1/10
M24	150 mm	15 mm	WS41	24 mm	39 mm	3 mm	111-116 mm	119-124 mm	0079 424 150	1/10