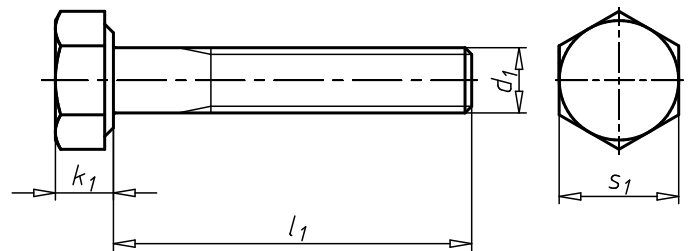


Hexagonal bolt with shank

ISO 4014, steel 10.9, galvanised, blue passivated (A2K)

Standards	ISO 4014
Material	Steel
Property class	10.9
Surface	Zinc plated
RoHS-compliant	Yes



Thread type x nominal diameter (d ₁)	Length (l ₁)	Head height (k ₁)	Thread length (metric thread) (b)	External drive (s ₁)	Art. no.	P. Qty.
M4	60 mm	2.8 mm	14 mm	WS7	0105 04 60	500
M5	25 mm	3.5 mm	16 mm	WS8	0105 05 25	500
M5	30 mm	3.5 mm	16 mm	WS8	0105 05 30	500
M5	35 mm	3.5 mm	16 mm	WS8	0105 05 35	500
M5	45 mm	3.5 mm	16 mm	WS8	0105 05 45	500
M5	50 mm	3.5 mm	16 mm	WS8	0105 05 50	500
M5	55 mm	3.5 mm	16 mm	WS8	0105 05 55	500
M5	60 mm	3.5 mm	16 mm	WS8	0105 05 60	500
M5	65 mm	3.5 mm	16 mm	WS8	0105 05 65	500
M5	70 mm	3.5 mm	16 mm	WS8	0105 05 70	500
M6	30 mm	4 mm	18 mm	WS10	0105 06 30	200
M6	35 mm	4 mm	18 mm	WS10	0105 06 35	500
M6	40 mm	4 mm	18 mm	WS10	0105 06 40	200
M6	45 mm	4 mm	18 mm	WS10	0105 06 45	200
M6	50 mm	4 mm	18 mm	WS10	0105 06 50	100
M6	55 mm	4 mm	18 mm	WS10	0105 06 55	200
M6	60 mm	4 mm	18 mm	WS10	0105 06 60	100
M6	65 mm	4 mm	18 mm	WS10	0105 06 65	100
M6	70 mm	4 mm	18 mm	WS10	0105 06 70	100
M6	80 mm	4 mm	18 mm	WS10	0105 06 80	100
M6	90 mm	4 mm	18 mm	WS10	0105 06 90	100
M6	100 mm	4 mm	18 mm	WS10	0105 06 100	100
M6	110 mm	4 mm	18 mm	WS10	0105 06 110	100
M6	120 mm	4 mm	18 mm	WS10	0105 06 120	100
M8	45 mm	5.3 mm	22 mm	WS13	0105 08 45	200
M8	50 mm	5.3 mm	22 mm	WS13	0105 08 50	200
M8	55 mm	5.3 mm	22 mm	WS13	0105 08 55	200
M8	60 mm	5.3 mm	22 mm	WS13	0105 08 60	200
M8	65 mm	5.3 mm	22 mm	WS13	0105 08 65	100
M8	70 mm	5.3 mm	22 mm	WS13	0105 08 70	100
M8	75 mm	5.3 mm	22 mm	WS13	0105 08 75	200
M8	80 mm	5.3 mm	22 mm	WS13	0105 08 80	100

Thread type x nominal diameter (d ₁)	Length (l ₁)	Head height (k ₁)	Thread length (metric thread) (b)	External drive (s ₁)	Art. no.	P. Qty.
M8	85 mm	5.3 mm	22 mm	WS13	0105 08 85	100
M8	95 mm	5.3 mm	22 mm	WS13	0105 08 95	50
M8	100 mm	5.3 mm	22 mm	WS13	0105 08 100	100
M8	110 mm	5.3 mm	22 mm	WS13	0105 08 110	100
M8	120 mm	5.3 mm	22 mm	WS13	0105 08 120	100
M8	140 mm	5.3 mm	28 mm	WS13	0105 08 140	100
M8	145 mm	5.3 mm	28 mm	WS13	0105 08 145	100
M8	150 mm	5.3 mm	28 mm	WS13	0105 08 150	50
M8	160 mm	5.3 mm	28 mm	WS13	0105 08 160	50
M8	170 mm	5.3 mm	28 mm	WS13	0105 08 170	25
M8	180 mm	5.3 mm	28 mm	WS13	0105 08 180	50
M10	55 mm	6.4 mm	26 mm	WS16	0105 910 55	100
M10	65 mm	6.4 mm	26 mm	WS16	0105 910 65	100
M10	70 mm	6.4 mm	26 mm	WS16	0105 910 70	100
M10	75 mm	6.4 mm	26 mm	WS16	0105 910 75	100
M10	90 mm	6.4 mm	26 mm	WS16	0105 910 90	50
M10	100 mm	6.4 mm	26 mm	WS16	0105 910 100	100
M10	140 mm	6.4 mm	32 mm	WS16	0105 910 140	50
M10	150 mm	6.4 mm	32 mm	WS16	0105 910 150	50
M10	160 mm	6.4 mm	32 mm	WS16	0105 910 160	50
M12	50 mm	7.5 mm	30 mm	WS18	0105 912 50	100
M12	55 mm	7.5 mm	30 mm	WS18	0105 912 55	50
M12	60 mm	7.5 mm	30 mm	WS18	0105 912 60	100
M12	65 mm	7.5 mm	30 mm	WS18	0105 912 65	100
M12	70 mm	7.5 mm	30 mm	WS18	0105 912 70	50
M12	75 mm	7.5 mm	30 mm	WS18	0105 912 75	100
M12	80 mm	7.5 mm	30 mm	WS18	0105 912 80	50
M12	90 mm	7.5 mm	30 mm	WS18	0105 912 90	50
M12	100 mm	7.5 mm	30 mm	WS18	0105 912 100	50
M12	120 mm	7.5 mm	30 mm	WS18	0105 912 120	25/50
M12	150 mm	7.5 mm	36 mm	WS18	0105 912 150	25
M12	170 mm	7.5 mm	36 mm	WS18	0105 912 170	25
M14	70 mm	8.8 mm	34 mm	WS21	0105 914 70	50
M14	75 mm	8.8 mm	34 mm	WS21	0105 914 75	50
M14	80 mm	8.8 mm	34 mm	WS21	0105 914 80	50
M14	90 mm	8.8 mm	34 mm	WS21	0105 914 90	25
M14	100 mm	8.8 mm	34 mm	WS21	0105 914 100	50
M14	110 mm	8.8 mm	34 mm	WS21	0105 914 110	50
M14	120 mm	8.8 mm	34 mm	WS21	0105 914 120	25
M14	130 mm	8.8 mm	40 mm	WS21	0105 914 130	50
M14	140 mm	8.8 mm	40 mm	WS21	0105 914 140	10
M14	160 mm	8.8 mm	34 mm	WS21	0105 914 60	25
M14	160 mm	8.8 mm	40 mm	WS21	0105 914 160	25
M14	190 mm	8.8 mm	40 mm	WS21	0105 914 190	10
M16	65 mm	10 mm	38 mm	WS24	0105 016 65	25
M16	70 mm	10 mm	38 mm	WS24	0105 016 70	50
M16	75 mm	10 mm	38 mm	WS24	0105 016 75	50
M16	80 mm	10 mm	38 mm	WS24	0105 016 80	25
M16	85 mm	10 mm	38 mm	WS24	0105 016 85	25
M16	90 mm	10 mm	38 mm	WS24	0105 016 90	25
M16	95 mm	10 mm	38 mm	WS24	0105 016 95	1
M16	100 mm	10 mm	38 mm	WS24	0105 016 100	25
M16	110 mm	10 mm	38 mm	WS24	0105 016 110	25

Thread type x nominal diameter (d ₁)	Length (l ₁)	Head height (k ₁)	Thread length (metric thread) (b)	External drive (s ₁)	Art. no.	P. Qty.
M16	120 mm	10 mm	38 mm	WS24	0105 016 120	25
M16	125 mm	10 mm	38 mm	WS24	0105 016 125	25
M16	130 mm	10 mm	44 mm	WS24	0105 016 130	25
M16	140 mm	10 mm	44 mm	WS24	0105 016 140	25
M16	145 mm	10 mm	44 mm	WS24	0105 016 145	10
M16	150 mm	10 mm	44 mm	WS24	0105 016 150	25
M16	160 mm	10 mm	44 mm	WS24	0105 016 160	25
M16	170 mm	10 mm	44 mm	WS24	0105 016 170	25
M16	180 mm	10 mm	44 mm	WS24	0105 016 180	20
M16	200 mm	10 mm	57 mm	WS24	0105 016 200	10
M16	220 mm	10 mm	57 mm	WS24	0105 016 220	25
M16	260 mm	10 mm	57 mm	WS24	0105 016 260	25
M16	280 mm	10 mm	57 mm	WS24	0105 016 280	25
M16	290 mm	10 mm	57 mm	WS24	0105 016 290	5
M16	300 mm	10 mm	57 mm	WS24	0105 016 300	1
M16	340 mm	10 mm	57 mm	WS24	0105 016 340	10
M16	400 mm	10 mm	57 mm	WS24	0105 016 400	1
M16	500 mm	10 mm	57 mm	WS24	0105 016 500	1
M18	70 mm	11.5 mm	42 mm	WS27	0105 018 70	25
M18	75 mm	11.5 mm	42 mm	WS27	0105 018 75	1
M18	80 mm	11.5 mm	42 mm	WS27	0105 018 80	25
M18	90 mm	11.5 mm	42 mm	WS27	0105 018 90	25
M18	100 mm	11.5 mm	42 mm	WS27	0105 018 100	25
M18	105 mm	11.5 mm	42 mm	WS27	0105 018 105	25
M18	110 mm	11.5 mm	42 mm	WS27	0105 018 110	50
M18	120 mm	11.5 mm	42 mm	WS27	0105 018 120	25
M18	135 mm	11.5 mm	48 mm	WS27	0105 018 135	25
M18	140 mm	11.5 mm	48 mm	WS27	0105 018 140	25
M18	150 mm	11.5 mm	48 mm	WS27	0105 018 150	25
M18	160 mm	11.5 mm	48 mm	WS27	0105 018 160	25
M18	165 mm	11.5 mm	48 mm	WS27	0105 018 165	25
M18	170 mm	11.5 mm	48 mm	WS27	0105 018 170	25
M18	180 mm	11.5 mm	48 mm	WS27	0105 018 180	25
M18	190 mm	11.5 mm	48 mm	WS27	0105 018 190	25
M18	200 mm	11.5 mm	48 mm	WS27	0105 018 200	25
M18	220 mm	11.5 mm	61 mm	WS27	0105 018 220	10
M18	240 mm	11.5 mm	61 mm	WS27	0105 018 240	10
M18	250 mm	11.5 mm	61 mm	WS27	0105 018 250	10
M18	300 mm	11.5 mm	61 mm	WS27	0105 018 300	25
M20	70 mm	12.5 mm	46 mm	WS30	0105 020 70	1
M20	80 mm	12.5 mm	46 mm	WS30	0105 020 80	25
M20	85 mm	12.5 mm	46 mm	WS30	0105 020 85	25
M20	90 mm	12.5 mm	46 mm	WS30	0105 020 90	25
M20	95 mm	12.5 mm	46 mm	WS30	0105 020 95	25
M20	100 mm	12.5 mm	46 mm	WS30	0105 020 100	25
M20	110 mm	12.5 mm	46 mm	WS30	0105 020 110	25
M20	115 mm	12.5 mm	46 mm	WS30	0105 020 115	25
M20	120 mm	12.5 mm	46 mm	WS30	0105 020 120	25
M20	125 mm	12.5 mm	46 mm	WS30	0105 020 125	25
M20	130 mm	12.5 mm	52 mm	WS30	0105 020 130	25
M20	140 mm	12.5 mm	52 mm	WS30	0105 020 140	25
M20	150 mm	12.5 mm	52 mm	WS30	0105 020 150	25
M20	160 mm	12.5 mm	52 mm	WS30	0105 020 160	10

Thread type x nominal diameter (d ₁)	Length (l ₁)	Head height (k ₁)	Thread length (metric thread) (b)	External drive (s ₁)	Art. no.	P. Qty.
M20	170 mm	12.5 mm	52 mm	WS30	0105 020 170	10
M20	180 mm	12.5 mm	52 mm	WS30	0105 020 180	10
M20	190 mm	12.5 mm	52 mm	WS30	0105 020 190	10
M20	200 mm	12.5 mm	52 mm	WS30	0105 020 200	10
M20	220 mm	12.5 mm	65 mm	WS30	0105 020 220	10
M20	230 mm	12.5 mm	65 mm	WS30	0105 020 230	10
M20	240 mm	12.5 mm	65 mm	WS30	0105 020 240	10
M20	250 mm	12.5 mm	65 mm	WS30	0105 020 250	10
M20	260 mm	12.5 mm	65 mm	WS30	0105 020 260	10
M20	270 mm	12.5 mm	65 mm	WS30	0105 020 270	10
M20	280 mm	12.5 mm	65 mm	WS30	0105 020 280	10
M20	290 mm	12.5 mm	65 mm	WS30	0105 020 290	10
M20	300 mm	12.5 mm	65 mm	WS30	0105 020 300	1
M20	320 mm	12.5 mm	65 mm	WS30	0105 020 320	10
M20	325 mm	12.5 mm	65 mm	WS30	0105 020 325	10
M20	340 mm	12.5 mm	65 mm	WS30	0105 020 340	10
M20	350 mm	12.5 mm	65 mm	WS30	0105 020 350	10
M20	420 mm	12.5 mm	65 mm	WS30	0105 020 420	10
M22	150 mm	14 mm	56 mm	WS34	0105 922 150	25
M22	170 mm	14 mm	56 mm	WS34	0105 922 170	25
M22	180 mm	14 mm	56 mm	WS34	0105 922 180	25
M24	85 mm	15 mm	54 mm	WS36	0105 024 85	100
M24	90 mm	15 mm	54 mm	WS36	0105 024 90	10
M24	100 mm	15 mm	54 mm	WS36	0105 024 100	10
M24	105 mm	15 mm	54 mm	WS36	0105 024 105	10
M24	110 mm	15 mm	54 mm	WS36	0105 024 110	10
M24	120 mm	15 mm	54 mm	WS36	0105 024 120	10
M24	130 mm	15 mm	60 mm	WS36	0105 024 130	10
M24	140 mm	15 mm	60 mm	WS36	0105 024 140	10
M24	150 mm	15 mm	60 mm	WS36	0105 024 150	10
M24	160 mm	15 mm	60 mm	WS36	0105 024 160	10
M24	170 mm	15 mm	60 mm	WS36	0105 024 170	10
M24	175 mm	15 mm	60 mm	WS36	0105 024 175	10
M24	180 mm	15 mm	60 mm	WS36	0105 024 180	10
M24	190 mm	15 mm	60 mm	WS36	0105 024 190	10
M24	200 mm	15 mm	60 mm	WS36	0105 024 200	10
M24	210 mm	15 mm	73 mm	WS36	0105 024 210	5
M24	220 mm	15 mm	73 mm	WS36	0105 024 220	10
M24	230 mm	15 mm	73 mm	WS36	0105 024 230	10
M24	240 mm	15 mm	73 mm	WS36	0105 024 240	10
M24	250 mm	15 mm	73 mm	WS36	0105 024 250	5
M24	260 mm	15 mm	73 mm	WS36	0105 024 260	10
M24	270 mm	15 mm	73 mm	WS36	0105 024 270	1
M24	300 mm	15 mm	73 mm	WS36	0105 024 300	10
M24	340 mm	15 mm	73 mm	WS36	0105 024 340	10
M24	350 mm	15 mm	73 mm	WS36	0105 024 350	5
M24	380 mm	15 mm	73 mm	WS36	0105 024 380	15
M24	390 mm	15 mm	73 mm	WS36	0105 024 390	5
M24	420 mm	15 mm	73 mm	WS36	0105 024 420	5
M24	480 mm	15 mm	73 mm	WS36	0105 024 480	10
M24	500 mm	15 mm	73 mm	WS36	0105 024 500	1
M27	95 mm	17 mm	60 mm	WS41	0105 027 95	10
M27	100 mm	17 mm	60 mm	WS41	0105 027 100	10

Thread type x nominal diameter (d ₁)	Length (l ₁)	Head height (k ₁)	Thread length (metric thread) (b)	External drive (s ₁)	Art. no.	P. Qty.
M27	110 mm	17 mm	60 mm	WS41	0105 027 110	10
M27	120 mm	17 mm	60 mm	WS41	0105 027 120	10
M27	130 mm	17 mm	66 mm	WS41	0105 027 130	10
M27	140 mm	17 mm	66 mm	WS41	0105 027 140	10
M27	150 mm	17 mm	66 mm	WS41	0105 027 150	10
M27	160 mm	17 mm	66 mm	WS41	0105 027 160	25
M27	180 mm	17 mm	66 mm	WS41	0105 027 180	10
M27	190 mm	17 mm	66 mm	WS41	0105 027 190	10
M27	210 mm	17 mm	79 mm	WS41	0105 027 210	10
M27	270 mm	17 mm	79 mm	WS41	0105 027 270	5
M27	280 mm	17 mm	79 mm	WS41	0105 027 280	5
M27	350 mm	17 mm	79 mm	WS41	0105 027 350	5
M27	540 mm	17 mm	79 mm	WS41	0105 027 540	1
M30	110 mm	18.7 mm	66 mm	WS46	0105 030 110	5
M30	120 mm	18.7 mm	66 mm	WS46	0105 030 120	10
M30	130 mm	18.7 mm	72 mm	WS46	0105 030 130	10
M30	140 mm	18.7 mm	72 mm	WS46	0105 030 140	10
M30	150 mm	18.7 mm	72 mm	WS46	0105 030 150	20
M30	160 mm	18.7 mm	72 mm	WS46	0105 030 160	10
M30	170 mm	18.7 mm	72 mm	WS46	0105 030 170	10
M30	180 mm	18.7 mm	72 mm	WS46	0105 030 180	5
M30	190 mm	18.7 mm	72 mm	WS46	0105 030 190	10
M30	200 mm	18.7 mm	72 mm	WS46	0105 030 200	10
M30	210 mm	18.7 mm	85 mm	WS46	0105 030 210	5
M30	220 mm	18.7 mm	85 mm	WS46	0105 030 220	5
M30	230 mm	18.7 mm	85 mm	WS46	0105 030 230	10
M30	250 mm	18.7 mm	85 mm	WS46	0105 030 250	5
M30	260 mm	18.7 mm	85 mm	WS46	0105 030 260	5
M30	280 mm	18.7 mm	85 mm	WS46	0105 030 280	5
M30	290 mm	18.7 mm	85 mm	WS46	0105 030 290	5
M30	300 mm	18.7 mm	85 mm	WS46	0105 030 300	10
M30	330 mm	18.7 mm	85 mm	WS46	0105 030 330	10
M30	340 mm	18.7 mm	85 mm	WS46	0105 030 340	1
M30	350 mm	18.7 mm	85 mm	WS46	0105 030 350	1
M30	370 mm	18.7 mm	85 mm	WS46	0105 030 370	20
M30	400 mm	18.7 mm	85 mm	WS46	0105 030 400	1
M30	440 mm	18.7 mm	85 mm	WS46	0105 030 440	8
M30	540 mm	18.7 mm	85 mm	WS46	0105 030 540	1
M33	190 mm	21 mm	78 mm	WS50	0105 033 190	10
M33	240 mm	21 mm	91 mm	WS50	0105 033 240	5
M33	260 mm	21 mm	91 mm	WS50	0105 033 260	5
M33	290 mm	21 mm	91 mm	WS50	0105 033 290	5
M33	320 mm	21 mm	91 mm	WS50	0105 033 320	1
M36	140 mm	22.5 mm	84 mm	WS55	0105 036 140	5
M36	150 mm	22.5 mm	84 mm	WS55	0105 036 150	1
M36	160 mm	22.5 mm	84 mm	WS55	0105 036 160	5
M36	170 mm	22.5 mm	84 mm	WS55	0105 036 170	5
M36	180 mm	22.5 mm	84 mm	WS55	0105 036 180	10
M36	200 mm	22.5 mm	84 mm	WS55	0105 036 200	5
M36	220 mm	22.5 mm	97 mm	WS55	0105 036 220	10
M36	240 mm	22.5 mm	97 mm	WS55	0105 036 240	5
M36	290 mm	22.5 mm	97 mm	WS55	0105 036 290	5
M36	320 mm	22.5 mm	97 mm	WS55	0105 036 320	10

Thread type x nominal diameter (d ₁)	Length (l ₁)	Head height (k ₁)	Thread length (metric thread) (b)	External drive (s ₁)	Art. no.	P. Qty.
M36	330 mm	22.5 mm	97 mm	WS55	0105 036 330	1
M36	340 mm	22.5 mm	97 mm	WS55	0105 036 340	1
M36	360 mm	22.5 mm	97 mm	WS55	0105 036 360	1
M36	375 mm	22.5 mm	97 mm	WS55	0105 036 375	1
M36	420 mm	22.5 mm	97 mm	WS55	0105 036 420	10
M36	440 mm	22.5 mm	97 mm	WS55	0105 036 440	1
M36	480 mm	22.5 mm	97 mm	WS55	0105 036 480	1
M36	580 mm	22.5 mm	97 mm	WS55	0105 036 580	1
M42	160 mm	26 mm	96 mm	WS65	0105 042 160	5
M42	360 mm	26 mm	109 mm	WS65	0105 042 360	1
M42	420 mm	26 mm	109 mm	WS65	0105 042 420	1
M42	440 mm	26 mm	109 mm	WS65	0105 042 440	1
M42	500 mm	26 mm	109 mm	WS65	0105 042 500	5
M48	200 mm	30 mm	108 mm	WS75	0105 048 200	5
M48	220 mm	30 mm	121 mm	WS75	0105 048 220	1
M48	240 mm	30 mm	121 mm	WS75	0105 048 240	1
M48	260 mm	30 mm	121 mm	WS75	0105 048 260	5
M48	280 mm	30 mm	121 mm	WS75	0105 048 280	5
M48	320 mm	30 mm	121 mm	WS75	0105 048 320	1

Notice

ISO 4014 replaces DIN 931 | There is some similarity | Nominal dimensions extended | Width across flats changed for M10, M12, M14 and M22.