

DIN603-4.8 CARRIAGE BOLTS & DIN555 HEX NUTS

- Range of carbon steel Carriage Bolts are manufactured to
DIN603 grade 4.8 and nuts to **DIN555 grade 4.8**
- Mechanical properties to DIN ISO 898 Part 1
 - Dimensional properties to DIN ISO 4759 Part 1
 - Screw Thread (8g) to DIN 13 Part 13
 - BZP finish to BS EN 12329:2000



Nominal size and thread diameter d	Pitch of thread p	Thread Length b			Diameter of head dk		Diameter of unthreaded shank ds		Depth of square under head f		Thickness of head k		Radius of head r1	Width across flats of square under head v	
		coarse pitch	Bolt ≤125	Bolt 125-200	Bolt ≥200	max.	min.	max.	min.	max.	min.	max.		min.	max.
M5	0.80	16	22	-	13.55	12.45	5.00	4.52	4.10	2.90	3.30	2.70	10.7	5.48	4.52
M6	1.00	18	24	-	16.55	15.45	6.00	5.52	4.60	3.40	3.88	3.12	12.6	6.48	5.52
M8	1.25	22	28	41	20.65	19.35	8.00	7.42	5.60	4.40	4.88	4.12	16.0	8.58	7.42
M10	1.50	26	32	45	24.65	23.35	10.00	9.42	6.60	5.40	5.38	4.62	19.2	10.58	9.42
M12	1.75	30	36	49	30.65	29.35	12.00	11.30	8.75	7.25	6.95	6.05	24.1	12.70	11.30
M16	2.00	38	44	57	38.80	37.20	16.00	15.30	12.90	11.10	8.95	8.05	29.3	16.70	15.30
M20	2.50	46	52	65	46.80	45.20	20.00	19.16	15.90	14.10	11.05	9.95	33.9	20.84	19.16

Nominal size	min.	max.	M5		M6		M8		M10		M12		M16		M20	
			fs min.	fg max.												
16	15.1	16.9	-	8	-	10	-	12	-	14	-	-	-	-	-	-
20	18.95	21.05	-	8	-	10	-	12	-	14	-	-	-	-	-	-
25	23.95	26.05	-	8	-	10	-	12	-	14	-	-	-	-	-	-
30	29.95	31.05	-	18	-	10	-	12	-	14	-	19	-	-	-	-
35	33.75	36.25	15	19	12	17	-	12	-	14	-	19	-	-	-	-
40	38.75	41.25	20	24	17	22	11.75	18	-	14	-	19	-	-	-	-
45	43.75	46.25	25	29	22	27	16.75	23	11.5	19	-	19	-	-	-	-
50	48.75	51.25	30	34	27	32	21.75	29	16.5	24	-	19	-	-	-	-
55	53.50	56.50	35	39	32	37	26.75	33	21.5	29	16.25	25	-	23	-	-
60	58.50	61.50	40	44	37	42	31.75	38	26.5	34	21.25	30	-	23	-	-
65	63.50	66.50	45	49	42	47	36.75	43	31.5	39	26.75	35	17	27	-	-
70	68.50	71.50	50	54	47	52	41.75	48	36.5	44	31.25	40	22	32	-	29.5
80	78.50	81.50	60	64	57	62	51.75	58	46.5	54	41.25	50	32	42	21.5	34.0
90	88.25	91.75	-	-	67	72	61.75	68	56.5	64	51.25	60	42	52	31.5	44.0
100	98.25	101.75	-	-	77	82	71.75	78	66.5	74	61.25	70	52	62	41.5	54.0
110	108.25	111.75	-	-	87	92	81.75	88	76.5	84	71.25	80	62	72	51.5	64.0
120	118.25	121.75	-	-	97	102	91.75	98	86.5	94	81.25	90	72	82	61.5	74.0
130	128.00	132.00	-	-	101	106	95.75	102	90.5	98	85.25	94	76	86	65.5	78.0
140	136.00	142.00	-	-	111	116	105.75	112	108.5	108	95.25	104	86	96	75.5	88.0
150	148.00	152.00	-	-	121	126	115.75	122	110.5	119	105.25	114	96	106	85.5	98.0
160	156.00	164.00	-	-	-	-	-	-	120.5	128	115.25	124	106	116	95.5	108.0
180	176.00	184.00	-	-	-	-	-	-	140.5	148	135.25	144	126	136	115.5	128.0
200	195.4	204.6	-	-	-	-	-	-	160.5	168	155.25	164	146	156	135.5	148.0

This product sheet is valid until there is significant change in the product and characteristics.

Date: **21 September 2017**