

Materials

Hardened Steel

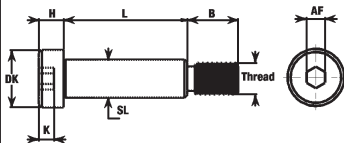
Fasteners

Precision Shoulder Screws

12.9 Quality BS 4168 Pt. 7 (ISO 7379)

DISCOUNTS

1 - 19	List Price
20 - 49	-20%
50 - 99	-40%
100 - 199	-50%
200 - 499	-60%
500 - 999	-68%
1000 - 1999	-70%
2000 +	-72%



PART NUMBER	Thread	L+0.25	Pitch	B	DK	K	SL	H	AF	Price Each 1-19
HPCHSS5-10	M5	10	0.80	9.75	10.22	2.40	Ø6 ^{-0.010} _{-0.040}	4.50	3	£1.45
HPCHSS5-12	M5	12	0.80	9.75	10.22	2.40	Ø6 ^{-0.010} _{-0.040}	4.50	3	£1.45
HPCHSS5-16	M5	16	0.80	9.75	10.22	2.40	Ø6 ^{-0.010} _{-0.040}	4.50	3	£1.54
HPCHSS5-20	M5	20	0.80	9.75	10.22	2.40	Ø6 ^{-0.010} _{-0.040}	4.50	3	£1.48
HPCHSS5-25	M5	25	0.80	9.75	10.22	2.40	Ø6 ^{-0.010} _{-0.040}	4.50	3	£1.49
HPCHSS5-30	M5	30	0.80	9.75	10.22	2.40	Ø6 ^{-0.010} _{-0.040}	4.50	3	£1.49
HPCHSS5-40	M5	40	0.80	9.75	10.22	2.40	Ø6 ^{-0.010} _{-0.040}	4.50	3	£1.54
HPCHSS6-12	M6	12	1.00	11.25	13.27	3.30	Ø8 ^{-0.013} _{-0.049}	5.50	4	£1.57
HPCHSS6-16	M6	16	1.00	11.25	13.27	3.30	Ø8 ^{-0.013} _{-0.049}	5.50	4	£1.61
HPCHSS6-20	M6	20	1.00	11.25	13.27	3.30	Ø8 ^{-0.013} _{-0.049}	5.50	4	£1.67
HPCHSS6-25	M6	25	1.00	11.25	13.27	3.30	Ø8 ^{-0.013} _{-0.049}	5.50	4	£1.67
HPCHSS6-30	M6	30	1.00	11.25	13.27	3.30	Ø8 ^{-0.013} _{-0.049}	5.50	4	£1.74
HPCHSS6-40	M6	40	1.00	11.25	13.27	3.30	Ø8 ^{-0.013} _{-0.049}	5.50	4	£1.79
HPCHSS6-50	M6	50	1.00	11.25	13.27	3.30	Ø8 ^{-0.013} _{-0.049}	5.50	4	£1.85
HPCHSS8-16	M8	16	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£1.89
HPCHSS8-20	M8	20	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£1.89
HPCHSS8-25	M8	25	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£1.94
HPCHSS8-30	M8	30	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£2.38
HPCHSS8-40	M8	40	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£2.52
HPCHSS8-50	M8	50	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£2.55
HPCHSS8-60	M8	60	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£2.55
HPCHSS8-70	M8	70	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£2.80
HPCHSS8-80	M8	80	1.25	13.25	16.27	4.20	Ø10 ^{-0.013} _{-0.049}	7.00	5	£3.12

Fasteners Shoulder Screws Hardened Steel



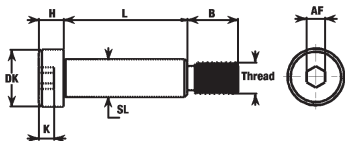
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Precision Shoulder Screws

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Fasteners Shoulder Screws Hardened Steel

PART NUMBER	Thread	$L^{+0.25}$	Pitch	B	DK	K	SL	H	AF	Price Each 1-19
HPCHSS10-16	M10	16	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£2.98
HPCHSS10-20	M10	20	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£3.01
HPCHSS10-25	M10	25	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£3.24
HPCHSS10-30	M10	30	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£3.29
HPCHSS10-40	M10	40	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£3.21
HPCHSS10-50	M10	50	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£3.56
HPCHSS10-60	M10	60	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£4.39
HPCHSS10-70	M10	70	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£4.66
HPCHSS10-80	M10	80	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£5.99
HPCHSS10-90	M10	90	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£6.87
HPCHSS10-100	M10	100	1.50	16.40	18.27	4.90	$\varnothing 12_{-0.016/-0.059}$	8.00	6	£8.17
HPCHSS12-30	M12	30	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£5.59
HPCHSS12-40	M12	40	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£6.05
HPCHSS12-50	M12	50	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£6.28
HPCHSS12-60	M12	60	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£7.51
HPCHSS12-70	M12	70	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£7.79
HPCHSS12-80	M12	80	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£8.46
HPCHSS12-90	M12	90	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£9.22
HPCHSS12-120	M12	120	1.75	18.40	24.33	6.60	$\varnothing 16_{-0.016/-0.059}$	10.00	8	£29.58

5.46



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Nom size mm	Thread Ø	Thread Section Tensile Strength		Shoulder		Thread neck		** Tightening Torque	
		Kg	KN	Kg	KN	Kg	KN	Kg	KN
6	M5	1732	16.99	2087	20.47	777	7.62	0.78	7.61
8	M6	2450	24.03	3710	36.38	1112	10.90	1.34	13.14
10	M8	4465	43.77	5798	56.86	2122	20.81	3.43	33.63
12	M10	7075	69.38	8349	81.88	3446	33.79	6.17	60.56
16	M12	10250	100.52	14842	145.55	5079	49.80	12.30	120.62
20	M16	19150	187.80	23191	227.43	9828	96.38	27.92	273.80
24	M20	29850	292.73	33395	327.49	15518	152.18	50.14	491.70

Material

Alloy Steel - High Grade. 12.9 Quality BS4168 Pt. 7 (ISO 7379). Hardness: 38 HRC.

Performance

***Minimum Tensile Strength:** 1220 N/mm²

Shear Strength: 624 N/mm²

Minimum Elongation: 8%

Working Temperature: -50 C +300 C

Minimum Hardness: Rockwell 38 HRC

Material

To test that the hardness is in accordance with the values specified: Socket shoulder screws

The test shall be made on the point after 0.38mm has been removed by grinding.

** Where tensile tests cannot be carried out because sizes are too small, the hardness test is acceptable.*

*** It is recommended that tightening torque be limited to these values when screws are to be tightened or loosened with standard keys or bits.*