



Standard Part

Hex Socket Head Cap Screws Metric

STPC520

87355934

Rev HG

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1. SCOPE

The fasteners defined by this standard are Hex Socket Head Cap Screws with coarse thread.

2. GENERAL

2.1 This standard may differ in some respects with certain segments of ISO and national standards. In recognition of these differences, the sizes and tolerance ranges used were established in an effort to enable the use of commercially available items, dimensionally interchangeable worldwide.

2.2 Preferred parts are so designated to reduce variety of parts and assure maximum availability, interchangeability and cost savings. Refer to ENPA110 for details.

3. RELATED DOCUMENTS

3.1 RELATED STANDARDS

STPA020—Fastener Finishes and Material Specifications

ENPA110—Preferred Parts

ANSI B18.3.1M—Socket Head Cap Screws Metric

DIN 912—Hexagon Socket Head Cap Screws

DIN 6912 - Hexagon Socket Thin Head Cap Screws With Pilot Recess

ISO 898/1—Mechanical Properties of Fasteners

ISO 965/2—ISO General Purpose Metric Screw Threads-Tolerances

ISO 4762—Hexagon Socket Head Cap Screws

ISO 888—Bolts, Screws and Studs-Nominal Lengths and Thread Lengths For General Purpose Bolts

Iveco 18-1103—Zinc-Nickel Electrolytic Coating for Ferrous Metal Parts

SAE J123—Surface Discontinuities on Bolts, Screws and Studs

FIAT 10356—Hexagon Socket Head Screws

FIAT 10356/04— Hexagon Socket Head Screws for Severe Applications

FIAT 10356/30—Thin Hexagon Socket Head Screws

FIAT 10356/33—Thin Hexagon Socket Head Screws for Severe Applications Under Fatigue Stress

3.2 REPLACED STANDARDS

CM-020 (Case)—Hexagon Socket Head Cap Screws (General Specifications)

CM-021 (Case)—Hexagon Socket Head Cap Screws Class 8.8 ZND - Preferred

CM-022 (Case)—Hexagon Socket Head Cap Screws Class 12.9 - Preferred

CM-023 (Case)—Hexagon Socket Head Cap Screws – Non-Preferred

CM-024 (Case)—Hexagon Socket Head Cap Screws Class 10.9 – Not Recommended

CM-025 (Case)—Hexagon Socket Head Cap Screws Fine Thread – Non-Preferred

FNHA-1-A-070.00 (NH)—Cap Screws, Hex Socket Head, Plain

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4. CROSS REFERENCE

For cross reference listing of company part numbers, go to [PARTsolutions](#).

5. HEADS

Unless otherwise specified, knurling on heads shall be optional with the manufacturer providing the diameter across the tops of the knurl and the diameter of the head before knurling or of the unknurled portion are within the tabulated maximum and minimum head diameter limits, respectively.

Some thin head screw based on Fiat Standard 10356/30 are listed in table 4-Non Preferred Parts. Figure 2 includes the Fiat thin head values.

6. THREADS

Thread form, diameters and associated pitches are in accordance with ISO Standards. Threads shall be tolerance class 5g6g for class 12.9 and 6g for other classes, before plating. Threads with tolerance class 4g6g are an acceptable alternate for class 12.9 as specified in ANSI B18.3.1M.

7. MATERIAL

Class 8.8 or 12.9 alloy steel. Certain zinc electroplated and mechanical plated high hardness fasteners have been identified as being highly susceptible to Hydrogen Assisted Cracking (HAC). Use of these fasteners is restricted: they shall not be used in new designs after 01OCT2011. Refer MAT0310

8. FINISH

Screws shall be furnished plated or coated in accordance with CNH STPA020.

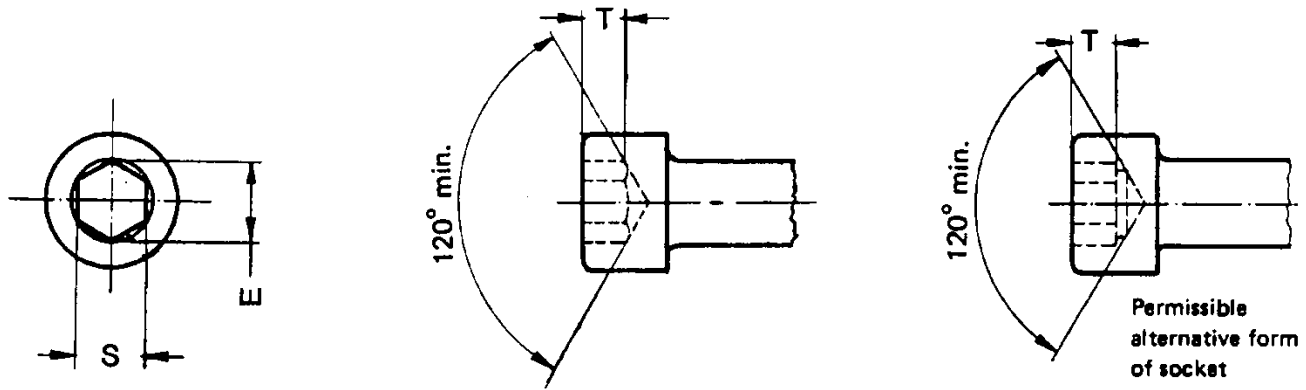


FIGURE 1: Hexagon Socket Head Cap Screws

Nominal Size	S			E	T
	Across Flats			Across Corners	Depth of Key Engagement
	nom.	max.	min.	min.	min. (ref)
M3	2.5	2.58	2.52	2.87	1.3
M4	3	3.08	3.02	3.44	2
M5	4	4.09	4.02	4.58	2.5
M6	5	5.14	5.02	5.72	3
M8	6	6.14	6.02	6.86	4
M10	8	8.175	8.02	9.15	5
M12	10	10.175	10.02	11.43	6
M14	12	12.212	12.03	13.72	7
M16	14	14.212	14.03	16	8
M18	14	14.212	14.03	16	9
M20	17	17.23	17.05	19.44	10
M22	17	17.23	17.05	19.44	11
M24	19	19.275	19.06	21.73	12
M27	19	19.275	19.065	21.73	13.5
M30	22	22.275	22.065	25.15	15

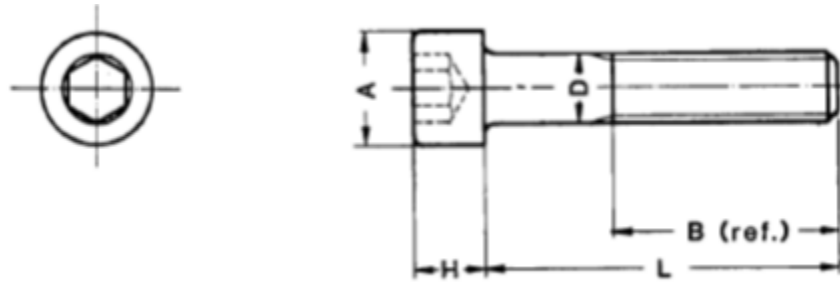


FIGURE 2: Hexagon Socket Head Cap Screws

Nominal Size			M3	M4	M5	M6	M8	M10	M12	
A	Head Dia.	max.	5.68	7.22	8.72	10.22	13.27	16.27	18.27	
		min.	5.32	6.78	8.27	9.74	12.70	15.67	17.63	
B	Thread Length.	ref.	18	20	22	24	28	32	36	
D	Body Dia.	max.	3	4	5	6	8	10	12	
		min.	2.86	3.82	4.82	5.82	7.78	9.78	11.73	
H	Head Height	max.	3	4	5	6	8	10	12	
		min.	2.86	3.82	4.82	5.7	7.64	9.64	11.57	
H	Head Height-Fiat	max.			5	6	8	M10x1.25 10	M14x1.5 14	
		min.			4.82	5.70	7.64	9.64	13.57	
	Pitch, nom.	Coarse	0.5	0.7	0.8	1	1.25	1.5	1.75	
		Fine					1	1.25	1.5	
		Ex Fine						1	1.25	
Nominal Size			M14	M16	M18	M20	M22	M24	M27	M30
A	Head Dia.	max.	21.33	24.33	27.33	30.33	33.39	36.39	40	45.39
		min.	20.6	23.58	26.67	29.53	32.61	35.48	39.61	44.42
B	Thread Length.	ref.	40	44	48	52	56	60	66	72
D	Body Dia.	max.	14	16	18	20	22	24	27	30
		min.	13.73	15.73	17.73	19.67	21.67	23.67	26.67	29.67
H	Head Height	max.	14	16	18	20	22	24	27	30
		min.	13.57	15.57	17.57	19.48	21.48	23.48	26.48	29.48
	Pitch, nom.	Coarse	2	2	2.5	2.5	2.5	3	3	3.5
		Fine	1.5	1.5	2	2	2	2	2	2
		Ex Fine			1.5	1.5	1.5			



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TABLE 1: Hex Socket Head Screws 8.8 ZND Preferred

Fully Threaded	Length	M3	M4	M5	M6	M8	M10	M12	M16
	8			1405313					
	10		14302921	14304021	87016470				
	12		14303021	86625213	63582	2168745			
	14	92711936		14304621	14305721		47919313		
	16		86624126	14304221	14305221	14306221	14301821		
	20		86639294	14304321	86531615	120228	86632600	9837786	
Screws with Unthreaded Shanks	22				90482855	14359221			
	25	47937784	87016468	87016469	9832203	86625220	120052	87016466	
	30			14304521	14305521	86625221	300442	14422021	1190518
	35		87017617	14358721	120162	14306621	81869630	14422121	
	40			87625620	14305821	14306721	14420421	14422221	14426221
	45			14358921	14305921	14306821	14420521	14422321	14426321
	50	47769299	47818567		356464	14306921	991981	14422421	14426421
	55			87657975	7832176	14302221	87530644		14426521
	60			14301521	14303821	14308921	412412	14422621	14426621
	65				14309221	14359321	14420921	9848677	
	70			47543002		87015319	6220282	14422821	
	75			47454925		14359421	90434051		14426821
	80				10589621	87302046	84056630	73176858	
	90				14300721	1960667	1758053	14423221	
	100			920018976	1148689	14302121	84062671		
	110					51431941	6220393		87318072
	120				61852				1537859
	125				2900887				
	130						2168573		
	140					14301721			
	150						87602936		2168261
	160						87605317		
	180								6220433

Lengths above the heavy line are threaded to head within 3P.



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TABLE 2: Hex Socket Head Screws 12.9 BLO Preferred

	Length	M3	M5	M6	M8	M10	M12	M16	M20
Fully Threaded	10			86635439					
	12	84160007							
	16			86512134	86566099				
	20			86512135	86512138	86528768	86512141		
	25		86026885	84432127	9706749	86508097			
	30			86512136		87016471	86512142		
Screws with Unthreaded Shanks	35			9515561	86531614	86566100		86511482	
	40			84233542	87602944	86512139	280685	92710659	
	45					87016473			
	50					86512140		86512144	
	55				87016474				
	60				87016475	47723600			
	70								
	80								87301555
	85			84375319					
	90								
	100					14421470			
	120							87349280	87698809

Lengths above the heavy line are threaded to head within 3P.



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TABLE 3: Hex Socket Head Screws 12.9 PHC Preferred

	Length	M4	M6	M8	M10	M12	M16	M20
Fully Threaded	10	87698788	87016478					
	12	87016477						
	16				86625198			
	20		86625218	86641293	76088810	87690478		
	25			84388504	86625209			
Screws with Unthreaded Shanks	30							
	35							
	40		87035492					47446565
	45			440427		84586984		
	50					86511099	47915366	87733367
	55			51465902		84415411	87578960	
	60					84349414		
	65						47915365	
	70				86639266	84265310	2465669	
	75					47456945		
	80							
	90						2465671	
	100			51465903				

Lengths above the heavy line are threaded to head within 3P.

TABLE 4: Hex Socket Head Screws Non-Preferred

Dia	Pitch	Length	Threads	Material	Finish	Part Number
4	0.7	8	FULL	8.8	ZND	14418921
4	0.7	8	FULL	8.8	DAC	14418924
4	0.7	10	FULL	8.8	DAC	14302924
4	0.7	10	FULL	8.8	BLO	47481239
4	0.7	10	FULL	SST	PLN	5113531
4	0.7	10	FULL	10.9	ZND	14302931
&4	0.7	10	FULL	12.9	ZND	14302971
4	0.7	12	FULL	8.8	DAC	14303024
4	0.7	12	FULL	12.9	DAC	14303074
4	0.7	12	FULL	8.8	DOR	87343623
4	0.7	12	FULL	SST	PLN	84246766
4	0.7	14	FULL	8.8	DAC	14303124
4	0.7	16	FULL	8.8	BLO	51565787
^4	0.7	16	FULL	8.8	ZND	90358307
4	0.7	16	FULL	A4-70	PLN	90421910
4	0.7	20	FULL	8.8	DAC	14303324
4	0.7	20	FULL	12.9	DAC	14303374
4	0.7	25	FULL	8.8	DAC	14303424
4	0.7	25	FULL	A2-70	BLO	14303487
4	0.7	25	FULL	8.8	BGM	5180363
4	0.7	25	FULL	8.8	BZN	47523574
4	0.7	40		10.9	DAC	51612495
4	0.7	45		10.9	DAC	51604815
4	0.7	55		12.9	PLN	82865221
5	0.8	6	FULL	8.8	PLN	47800004
^5	0.8	8	FULL	8.8	ZND	51591732
5	0.8	10	FULL	8.8	BGM	92088036
*5	0.8	10	FULL	10.9	DAC	47801832
*5	0.8	10	FULL	10.9	!ZnNi	90465946
5	0.8	12	FULL	8.8	BGM	47802406
^5	0.8	12	FULL	8.8	ZND	51591733
5	0.8	12	FULL	A2/304 SST	PLN	92285758
5	0.8	14	FULL	8.8	PLN	14304620
5	0.8	14	FULL	8.8	DAC	14304624
5	0.8	14	FULL	8.8	BZN	14304627
5	0.8	14	FULL	10.9	ZND	14304631
5	0.8	16	FULL	8.8	BLO	84382752
5	0.8	16	FULL	8.8	DAC	14304224
5	0.8	16	FULL	8.8	!ZnNi	90455993
5	0.8	16	FULL	A2-70	PLN	47830470

Dia	Pitch	Length	Threads	Material	Finish	Part Number
5	0.8	16	FULL	8.8	ZN-NI-6	92031136
5	0.8	18	FULL	8.8	DAC	14358524
5	0.8	20	FULL	8.8	BGM	92088037
5	0.8	20	FULL	8.8	DAC	14304324
5	0.8	22	FULL	10.9	ZND	14358631
5	0.8	22	FULL	A2-70	BLO	14358687
&5	0.8	25	FULL	12.9	ZND	87032011
5	0.8	30		8.8	BLO	48058154
5	0.8	30	FULL	8.8	ZND	1570684
5	0.8	30	FULL	10.9	PLN	14304530
5	0.8	30	FULL	10.9	ZND	14304531
5	0.8	35		8.8	BGM	92088038
5	0.8	35	FULL	8.8	DAC	14358724
5	0.8	35	FULL	8.8	BZN	14358727
5	0.8	35	FULL	8.8	!ZnNi	90465945
5	0.8	35	FULL	8.8	ZN-NI-6	92031134
5	0.8	35	FULL	12.9	PHC	84517619
5	0.8	40		A2	PLN	47490887
5	0.8	40	FULL	8.8	DAC	14358824
5	0.8	45	FULL	8.8	PLN	14358920
5	0.8	45	FULL	8.8	DAC	14358924
5	0.8	45	FULL	8.8	DOR	87343624
5	0.8	50	FULL	8.8	DAC	14304724
5	0.8	50	FULL	10.9	PLN	14304730
5	0.8	70		8.8	DAC	14301624
5	0.8	70	FULL	10.9	PLN	14301630
5	0.8	80		10.9	ZND	87698787
5	0.8	90		10.9	BZN	920017758
5	0.8	120		10.9	ZND	47594582
5	0.8	130		10.9	DAC	84224887
*6	1	8	FULL	8.8	ZND	47779304
*6	1	10	FULL	8.8	ZND	47496438
6	1	10	FULL	8.8	DAC	14305024

& Do not use for new designs after 01OCT2011

(Hydrogen assisted Cracking – HAC)

*Thin Head (Fiat 10356/30)

^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

!ZnNi–Zinc Nickel - Iveco 18-1103 Fe/ZnNi 7 IV

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

Dia	Pitch	Length	Threads	Material	Finish	Part Number
6	1	12	FULL	8.8	BGM	92088026
6	1	12	FULL	8.8	PLN	14305120
6	1	12	FULL	8.8	DAC	14305124
6	1	12	FULL	10.9	ZND	14305131
6	1	12	FULL	10.9	DAC	14305134
6	1	12	FULL	SST	PLN	90343282
*6	1	14	FULL	8.8	BGM	90428243
6	1	14	FULL	8.8	BLO	47481245
6	1	14	FULL	8.8	PLN	14305720
6	1	14	FULL	8.8	DAC	14305724
6	1	14	FULL	10.9	ZND	14305731
6	1	14	FULL	12.9	DAC	47940512
6	1	14	FULL	SST	PLN	47372452
6	1	16	FULL	8.8	BGM	48061007
6	1	16	FULL	8.8	BZN	2479277
6	1	16	FULL	8.8	PLN	14305220
6	1	16	FULL	8.8	DAC	14305224
6	1	16	FULL	8.8	DOR	87343625
6	1	16	FULL	10.9	ZND	14305231
6	1	16	FULL	A2-70	BLO	92162771
6	1	18	FULL	8.8	BLO	47479061
6	1	18	FULL	8.8	BZN	51683373
6	1	18	FULL	8.8	DAC	14433124
6	1	18	FULL	8.8	ZND	14433121
6	1	20	FULL	8.8	BGM	47380613
6	1	20	FULL	8.8	DAC	90391711
6	1	20	FULL	8.8	PLN	14305320
^6	1	20	FULL	8.8	ZND	90496610
6	1	20	FULL	10.9	DAC	14305334
6	1	20	FULL	10.9	ZND	14305331
6	1	20	FULL	12.9	DAC	14305374
^6	1	20	FULL	12.9	PHC	90358308
6	1	20	FULL	A2-70	BLO	14305387
6	1	22	FULL	8.8	ZND	14432221
6	1	22	FULL	8.8	DAC	14432224
6	1	22	FULL	8.8	BLO	14432226
6	1	22	FULL	10.9	ZND	14432231
6	1	25	FULL	8.8	PLN	14305420
6	1	25	FULL	8.8	BGM	92163917
6	1	25	FULL	8.8	BZN	47468253
6	1	25	FULL	8.8	DAC	14305424
6	1	25	FULL	8.8	DOR	87343627

Dia	Pitch	Length	Threads	Material	Finish	Part Number
6	1	25	FULL	10.9	PHC	84479322
6	1	25	FULL	10.9	ZND	14305431
6	1	25	FULL	A2/304 SST	PLN	92288734
6	1	30	FULL	8.8	PLN	14305520
6	1	30	FULL	8.8	BGM	92130062
6	1	30	FULL	8.8	BZN	87033714
6	1	30	FULL	8.8	DAC	14305524
^6	1	30	FULL	8.8	DAC	90358309
6	1	30	FULL	10.9	ZND	14305531
6	1	30	FULL	10.9	DAC	14305534
6	1	30	FULL	12.9	DAC	14305574
6	1	35		8.8	PLN	14305620
6	1	35	FULL	8.8	ZND	47851211
6	1	35		8.8	DAC	14305624
6	1	35		10.9	ZND	14305631
6	1	35		10.9	DAC	14305634
6	1	35		12.9	PLN	14305670
&6	1	35		12.9	ZND	14305671
6	1	35		12.9	DAC	47940507
6	1	35		12.9	DOR	84371846
6	1	40		10.9	PLN	14305830
6	1	40		10.9	ZND	14305831
6	1	40		12.9	DOR	47385258
6	1	45	FULL	8.8	BLO	51688800
6	1	45		8.8	DAC	14305924
6	1	45		12.9	DAC	92662676
&6	1	45		12.9	ZND	14305971
6	1	50		8.8	DAC	14306024
6	1	50		10.9	ZND	14306031
6	1	50		10.9	DAC	14306034
6	1	50		12.9	DAC	47940518
&6	1	50		12.9	ZND	14306071
6	1	50	FULL	12.9	BLO	9515562
6	1	55		8.8	DAC	14304824
&6	1	55		12.9	ZNM	14304871

*Thin Head (Fiat 10356/30)

& Do not use for new designs after 01OCT2011

(Hydrogen assisted Cracking – HAC

^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

Dia	Pitch	Length	Threads	Material	Finish	Part Number
6	1	55		10.9	ZND	725390
6	1	60		8.8	DAC	14303824
6	1	60		10.9	DAC	14303834
6	1	60	FULL	8.8	ZND	92847390
6	1	60	FULL	12.9	BLO	86512137
&6	1	60	FULL	12.9	ZND	9845044
6	1	65		8.8	ZND	4154956
6	1	70		8.8	ZND	14303921
6	1	70		10.9	ZND	14303931
6	1	75		8.8	ZND	87016480
6	1	80		10.9	ZND	2929666
6	1	80	FULL	8.8	ZND	87016481
^6	1	100		8.8	ZND	90358310
6	1	100	FULL	12.9	BLO	87040715
6	1	105		8.8	ZND	91785107
6	1	140		8.8	ZND	48061005
8	1	16	FULL	12.9	BLO	92759242
8	1	40		8.8	ZN	84593998
8	1.25	10	FULL	8.8	PHC	87035490
8	1.25	10	FULL	10.9	ZND	14301931
8	1.25	10	FULL	8.8	BGM	51672245
8	1.25	12	FULL	8.8	PLN	14306120
8	1.25	12	FULL	8.8	BLO	412697
8	1.25	12	FULL	8.8	ZND	14306121
8	1.25	12	FULL	8.8	DAC	14306124
8	1.25	12	FULL	10.9	DAC	14306134
8	1.25	14	FULL	8.8	DAC	14307024
8	1.25	16	FULL	8.8	BLO	84012852
8	1.25	16	FULL	8.8	DAC	14306224
8	1.25	16	FULL	10.9	DAC	14306234
8	1.25	16	FULL	10.9	ZND	14306231
*8	1.25	16	FULL	8.8	ZND	48043107
*8	1.25	16	FULL	10.9	PLN	13028330
^8	1.25	16	FULL	8.8	ZND	48065388
8	1.25	18	FULL	8.8	PLN	14302820
8	1.25	18	FULL	8.8	ZND	14302821
8	1.25	18	FULL	8.8	DAC	14302824
8	1.25	18	FULL	10.9	ZND	14302831
8	1.25	20	FULL	8.8	BGM	92088135
8	1.25	20	FULL	8.8	PLN	14306320
8	1.25	20	FULL	8.8	DAC	14306324
^8	1.25	20	FULL	8.8	ZND	92873983

Dia	Pitch	Length	Threads	Material	Finish	Part Number
*8	1.25	20	FULL	8.8	DAC	13028524
*8	1.25	20	FULL	8.8	PHC	47361879
8	1.25	20	FULL	10.9	ZND	14306331
*8	1.25	20	FULL	10.9	DAC	13028534
8	1.25	20	FULL	10.9	BLO	14306330
8	1.25	20	FULL	SST	PLN	47375987
8	1.25	22	FULL	8.8	PLN	14359220
8	1.25	22	FULL	8.8	DAC	14359224
8	1.25	22	FULL	10.9	ZND	14359231
8	1.25	25	FULL	8.8	BGM	92088136
8	1.25	25	FULL	8.8	BLO	120163
8	1.25	25	FULL	8.8	BZN	47468251
8	1.25	25	FULL	8.8	DAC	14306424
*8	1.25	25	FULL	8.8	DAC	13028724
8	1.25	25	FULL	10.9	DAC	14306434
8	1.25	25	FULL	10.9	ZND	14306431
^8	1.25	25	FULL	8.8	ZND	48065389
8	1.25	30	FULL	8.8	PLN	14306520
8	1.25	30	FULL	8.8	DAC	14306524
^8	1.25	30	FULL	8.8	ZND	90427202
8	1.25	30	FULL	10.9	PHC	84158489
8	1.25	30	FULL	10.9	ZND	14306531
8	1.25	30	FULL	A2-70	PLN	47842520
8	1.25	30	FULL	12.9	DAC	14306574
8	1.25	30	FULL	12.9	PLN	14306570
8	1.25	35	FULL	8.8	DAC	14306624
8	1.25	35	FULL	10.9	ZND	14306631
8	1.25	35	FULL	10.9	DAC	14306634
^8	1.25	35	FULL	10.9	ZND	51495270
&8	1.25	35	FULL	12.9	ZND	14306671
8	1.25	35	FULL	12.9	BLO	87481398
8	1.25	40	FULL	8.8	DAC	14306724
8	1.25	40	FULL	10.9	ZND	14306731
8	1.25	40	FULL	10.9	DAC	14306734
8	1.25	45	FULL	8.8	DAC	14306824
8	1.25	45	FULL	10.9	ZND	14306831

*Thin Head (Fiat 10356/30)

& Do not use for new designs after 01OCT2011
(Hydrogen assisted Cracking – HAC)

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^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

Dia	Pitch	Length	Threads	Material	Finish	Part Number
8	1.25	45		12.9	DAC	92662674
8	1.25	50	FULL	8.8	PLN	14306920
8	1.25	50	FULL	8.8	ZND	73170457
8	1.25	50	FULL	8.8	BGM	92760682
8	1.25	50		8.8	BGM	92092875
8	1.25	50		8.8	DAC	14306924
8	1.25	50		R10	GEO 321-5 @	16707734
8	1.25	50	FULL	10.9	ZND	14306931
8	1.25	50	FULL	12.9	DAC	14306974
8	1.25	55	FULL	8.8	DAC	14302224
8	1.25	55	FULL	8.8	BGM	14302226
8	1.25	55	FULL	10.9	DAC	14302234
8	1.25	60		8.8	DAC	14308924
8	1.25	60		10.9	ZND	14308931
8	1.25	60		10.9	DAC	14308934
^8	1.25	60		10.9	ZND	91833922
^8	1.25	60	FULL	12.9	PHC	92316054
8	1.25	65		10.9	ZND	2900720
8	1.25	70		10.9	DAC	14309034
&*8	1.25	70		12.9	ZND	14309071
8	1.25	75		12.9	DAC	92662670
8	1.25	80		12.9	PLN	14359570
^8	1.25	80		10.9	ZND	91833923
8	1.25	85		8.8	DOR	87376812
8	1.25	90		8.8	BLO	47479553
8	1.25	90		8.8	ZND	1960667
8	1.25	90	28	8.8	DAC	14307124
8	1.25	90	28	10.9	DAC	14307134
8	1.25	100		8.8	DAC	14302124
8	1.25	100		8.8	ZND	14302121
8	1.25	120		12.9	BLO	86528452
8	1.25	130		12.9	BLO	87675527
8	1.25	150		8.8	ZND	218457
10	1	25		8.8	ZND	47625598
10	1	50		8.8	ZND	47444625
10	1	75		8.8	ZND	47738549
10	1	80		8.8	ZND	92252038
10	1	100		12.9	BLO	92115269
10	1	100		12.9	DOR	92312703
10	1	130		12.9	PHC	84158488
10	1.25	16	FULL	8.8	ZND	91819711

Dia	Pitch	Length	Threads	Material	Finish	Part Number
10	1.25	16	FULL	8.8	DAC	14359924
10	1.25	18	FULL	8.8	DAC	14360024
&10	1.25	18	FULL	12.9	ZND	14360071
10	1.25	20	FULL	8.8	DAC	14307324
#10	1.25	20	FULL	8.8	DAC	14833324
10	1.25	20	FULL	8.8	ZND	14307321
10	1.25	20	FULL	12.9	DAC	14307374
10	1.25	22	FULL	8.8	DAC	14360124
10	1.25	22	FULL	8.8	ZND	14360121
*10	1.25	22	FULL	8.8	ZND	13030421
10	1.25	25	FULL	8.8	DAC	14307424
10	1.25	25	FULL	8.8	ZND	86544072
10	1.25	25	FULL	8.8	PLN	14307420
10	1.25	25	FULL	10.9	ZND	14307431
10	1.25	25	FULL	A2-70	PLN	84465304
10	1.25	30	FULL	8.8	DAC	14307524
#10	1.25	30	FULL	8.8	DAC	14833624
*10	1.25	30	FULL	8.8	PLN	13030620
*10	1.25	30	FULL	8.8	DAC	13030624
10	1.25	30	FULL	8.8	ZND	14307521
10	1.25	30	FULL	10.9	DAC	14307534
#10	1.25	30	FULL	10.9	DAC	14833634
10	1.25	30	FULL	10.9	ZND	14307531
10	1.25	30	FULL	12.9	DOR	87343636
10	1.25	35	FULL	8.8	PLN	14307620
10	1.25	35	FULL	8.8	DAC	14307624
10	1.25	35	FULL	10.9	DAC	14307634
10	1.25	35	FULL	8.8	ZND	14307621
10	1.25	35	FULL	10.9	PLN	14307630
10	1.25	40	FULL	8.8	DAC	14307724
10	1.25	40	FULL	10.9	DAC	14307734
10	1.25	40	FULL	10.9	ZND	14307731
10	1.25	45		8.8	ZND	14307821
10	1.25	45		8.8	DAC	14307824
10	1.25	45		10.9	DAC	14307834

*Thin Head (Fiat 10356/30)

Severe application per Fiat 10356/04

& Do not use for new designs after 01OCT2011

(Hydrogen assisted Cracking – HAC

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^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

Dia	Pitch	Length	Threads	Material	Finish	Part Number
10	1.25	50		10.9	ZND	14307931
10	1.25	50		8.8	ZND	14307921
10	1.25	55		8.8	ZND	14308021
*10	1.25	55		8.8	ZND	13030721
10	1.25	55		10.9	ZND	14308031
10	1.25	55		12.9	DAC	91818218
10	1.25	60		8.8	PLN	14308120
10	1.25	60		8.8	ZND	14308121
10	1.25	60		10.9	ZND	14308131
10	1.25	65		8.8	DAC	14308224
10	1.25	65		8.8	ZND	14308221
10	1.25	65		10.9	ZND	14308231
10	1.25	65	FULL	10.9	ZND	47875143
10	1.25	70		8.8	DAC	14308324
10	1.25	70		8.8	ZND	14308321
10	1.25	75		8.8	DAC	14309124
10	1.25	80		8.8	DAC	14308424
10	1.25	80		8.8	ZND	14308421
10	1.25	90		8.8	ZND	14308521
10	1.25	100		10.9	DAC	47948197
10	1.25	110		8.8	ZND	90451201
10	1.25	120		8.8	ZND	14360221
10	1.5	15	FULL	12.9	BZN	47523573
10	1.5	16	FULL	8.8	DAC	14301824
^10	1.5	16	FULL	8.8	ZND	47535152
10	1.5	16	FULL	10.9	BZN	47541405
10	1.5	16	FULL	10.9	ZND	14301831
10	1.5	18	FULL	8.8	DAC	14362124
10	1.5	20	FULL	8.8	DAC	14420024
10	1.5	20	FULL	10.9	PLN	14420030
10	1.5	20	FULL	10.9	ZND	14420031
10	1.5	20	FULL	10.9	PHC	14420033
10	1.5	20	FULL	10.9	DAC	14420034
10	1.5	20	FULL	12.9	PLN	14420070
10	1.5	20	FULL	12.9	DAC	14420074
10	1.5	22	FULL	10.9	DAC	14432334
&10	1.5	22	FULL	12.9	ZND	86559251
10	1.5	25	FULL	8.8	BGM	92139034
10	1.5	25	FULL	8.8	DAC	14420124
^10	1.5	25	FULL	8.8	ZND	51672202
10	1.5	25	FULL	10.9	ZND	14420131
10	1.5	25	FULL	10.9	DAC	14420134

Dia	Pitch	Length	Threads	Material	Finish	Part Number
10	1.5	25	FULL	12.9	DAC	14420174
^10	1.5	30	FULL	8.8	ZND	90358311
10	1.5	30	FULL	10.9	PLN	14420230
10	1.5	30	FULL	10.9	ZND	14420231
10	1.5	30	FULL	10.9	DAC	14420234
10	1.5	30	FULL	A4-70	PLN	48077938
&10	1.5	30	FULL	12.9	ZND	14420271
10	1.5	30	FULL	12.9	DAC	14420274
^10	1.5	35	FULL	8.8	ZND	47855101
10	1.5	35	FULL	10.9	ZND	14420331
10	1.5	35	FULL	10.9	DAC	14420334
10	1.5	35	FULL	10.9	PHC	47622570
^10	1.5	35	FULL	12.9	PHC	92316055
&10	1.5	35	FULL	12.9	ZND	86625210
10	1.5	35	FULL	12.9	DAC	14420374
^10	1.5	40	FULL	8.8	ZND	90358312
10	1.5	40	FULL	10.9	ZND	14420431
10	1.5	40	FULL	10.9	DAC	14420434
&10	1.5	40	FULL	12.9	ZND	14420471
^10	1.5	45		8.8	ZND	91724944
10	1.5	45		10.9	ZND	14420531
^10	1.5	45	FULL	12.9	PHC	92316056
&10	1.5	45		12.9	ZND	14420571
10	1.5	45		12.9	DAC	14420574
10	1.5	50		8.8	PLN	14420620
^10	1.5	50		8.8	ZND	47738527
10	1.5	50		10.9	ZND	14420631
&10	1.5	50	FULL	12.9	ZND	86019361
10	1.5	55		10.9	DAC	14420734
10	1.5	55		10.9	ZND	14420731
^10	1.5	55	FULL	12.9	PHC	92316057
10	1.5	55		12.9	DAC	14420774
10	1.5	60		10.9	DAC	14420834
10	1.5	60		10.9	ZND	14420831
10	1.5	60		12.9	DAC	14420874
^10	1.5	65		8.8	ZND	90434050
10	1.5	65		10.9	DAC	14420934

* Thin Head (Fiat 10356/30)

& Do not use for new designs after 01OCT2011 (Hydrogen assisted Cracking – HAC)

^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

Dia	Pitch	Length	Threads	Material	Finish	Part Number
10	1.5	65		10.9	ZND	2292316
10	1.5	70		10.9	PHC	47766762
10	1.5	70		10.9	ZND	14421031
10	1.5	70		12.9	DAC	92662662
^10	1.5	75		8.8	ZND	90431707
^10	1.5	80		8.8	ZND	91769804
10	1.5	80		10.9	DAC	14421134
10	1.5	80		12.9	DOR	84549789
10	1.5	85	FULL	10.9	ZND	2426021
10	1.5	90		10.9	ZND	14421231
10	1.5	90		8.8	DAC	92668288
10	1.5	100		10.9	ZND	14421431
10	1.5	100		12.9	DOR	84557167
&10	1.5	100	FULL	12.9	ZNM	84983116
10	1.5	105		10.9	PHC	51672237
10	1.5	110		10.9	DAC	14421534
&10	1.5	110		12.9	ZND	14421531
10	1.5	120		8.8	ZND	47443535
10	1.5	125		10.9	ZND	73178033
10	1.5	130		12.9	PLN	14421670
10	1.5	145		10.9	ZND	84256618
12	1.25	20	FULL	8.8	DAC	14360524
12	1.25	20	FULL	12.9	DAC	84603135
12	1.25	25	FULL	8.8	DAC	14331024
12	1.25	25	FULL	10.9	DAC	14331034
*12	1.25	25	FULL	10.9	DAC	84467158
*12	1.25	25	FULL	8.8	DAC	84388497
12	1.25	25	FULL	8.8	ZND	14331021
12	1.25	30	FULL	8.8	DAC	14331124
12	1.25	30	FULL	8.8	ZND	14331121
12	1.25	30	FULL	10.9	DAC	48183519
12	1.25	35	FULL	8.8	PLN	14331220
12	1.25	35	FULL	8.8	ZND	84411965
12	1.25	35	FULL	8.8	DAC	14331224
12	1.25	35	FULL	10.9	DAC	14331234
12	1.25	35	FULL	10.9	ZND	14331231
12	1.25	40	FULL	8.8	BLO	84039422
12	1.25	40	FULL	8.8	ZND	14331321
12	1.25	40	FULL	10.9	DAC	14331334
12	1.25	40	FULL	10.9	PLN	14331330
12	1.25	45	FULL	8.8	ZND	14331421
12	1.25	45	FULL	8.8	DAC	14331424

Dia	Pitch	Length	Threads	Material	Finish	Part Number
12	1.25	45	FULL	10.9	DAC	14331434
12	1.25	50	FULL	8.8	PLN	14331520
12	1.25	50	FULL	8.8	ZND	14331521
12	1.25	55	FULL	8.8	ZND	14331621
12	1.25	60	FULL	8.8	ZND	14331721
12	1.25	60	FULL	10.9	DAC	92092926
12	1.25	70		8.8	ZND	14331921
12	1.25	70	FULL	12.9	DAC	47851209
^12	1.25	75		8.8	DAC	92130081
12	1.25	75		8.8	ZND	14332021
12	1.25	75		10.9	DAC	47924530
12	1.25	80		8.8	ZND	14332121
12	1.25	90		12.9	PHC	87675516
#12	1.25	90		10.9	DAC	14837434
12	1.25	100		8.8	ZND	14332521
#12	1.25	100		10.9	DAC	14837534
12	1.25	110		8.8	PLN	14332620
12	1.25	110		8.8	ZND	14332621
#12	1.25	110		10.9	DAC	14837634
12	1.25	110		8.8	DAC	14332624
12	1.25	120		8.8	DAC	14332724
^12	1.25	120		8.8	DAC	92130082
12	1.25	120		10.9	DAC	14332734
#12	1.25	120		10.9	DAC	14837734
12	1.25	130		10.9	DAC	14332834
12	1.25	140		8.8	ZND	14332921
12	1.5	25	FULL	8.8	ZND	14309421
12	1.5	25	FULL	10.9	ZND	14309431
12	1.5	35	FULL	10.9	ZND	14309631
12	1.5	75		8.8	ZND	47886407
12	1.75	20	FULL	8.8	DAC	14432424
12	1.75	25	FULL	8.8	DAC	14311024
*12	1.75	25	FULL	8.8	ZND	153014
12	1.75	25	FULL	10.9	ZND	14311031
12	1.75	25	FULL	10.9	DAC	14311034

* Thin Head (Fiat 10356/30)

Severe application per Fiat 10356/04

& Do not use for new designs after 01OCT2011 (Hydrogen assisted Cracking – HAC)

^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

Dia	Pitch	Length	Threads	Material	Finish	Part Number
12	1.75	25	FULL	12.9	DAC	48135662
12	1.75	30	FULL	8.8	PLN	14422020
12	1.75	30	FULL	10.9	DAC	14422034
12	1.75	30	FULL	10.9	PHC	84516721
12	1.75	30	25	10.9	ZND	84021936
12	1.75	30	FULL	10.9	ZND	14422031
^12	1.75	30	FULL	10.9	ZND	90469704
12	1.75	35	FULL	8.8	PLN	14422120
^12	1.75	35	FULL	8.8	ZND	90358313
12	1.75	35	FULL	10.9	DAC	14422134
12	1.75	35	FULL	10.9	ZND	14422131
12	1.75	35	FULL	12.9	DAC	14422174
12	1.75	40		10.9	PHC	84522380
12	1.75	40	FULL	10.9	DAC	14422234
12	1.75	40	FULL	10.9	ZND	14422231
12	1.75	40	FULL	12.9	HCRC-4A	51449792
&12	1.75	40	FULL	12.9	ZND	84346526
*12	1.75	45	FULL	8.8	ZND	591283
12	1.75	45	FULL	10.9	DAC	14422334
12	1.75	45	FULL	10.9	ZND	14422331
&12	1.75	45	FULL	12.9	ZND	84346527
12	1.75	45	FULL	12.9	DAC	14422374
12	1.75	50	FULL	10.9	DAC	14422434
12	1.75	50	FULL	10.9	ZND	14422431
^12	1.75	50	FULL	10.9	ZND	92145879
12	1.75	50	36	12.9	DAC	48135065
12	1.75	55	FULL	10.9	ZND	14422531
^12	1.75	55	FULL	10.9	ZND	92145880
12	1.75	60	FULL	10.9	DAC	14422634
12	1.75	65	FULL	8.8	BLO	81868092
12	1.75	65	FULL	10.9	BLO	6220227
12	1.75	70		10.9	PHC	84319918
12	1.75	70	FULL	10.9	ZND	47979813
12	1.75	70	FULL	12.9	BLO	86512143
12	1.75	75		10.9	DAC	14422934
^12	1.75	80		8.8	ZND	90427212
12	1.75	80		10.9	ZND	14423031
12	1.75	80	FULL	12.9	BLO	86575419
12	1.75	80		12.9	DOR	47379702
12	1.75	90		10.9	ZND	14423231

Dia	Pitch	Length	Threads	Material	Finish	Part Number
12	1.75	90	FULL	12.9	BLO	44555
12	1.75	95		8.8	BLO	87635857
12	1.75	100	FULL	8.8	ZND	87485004
12	1.75	100	FULL	12.9	BLO	86516013
12	1.75	100	FULL	12.9	DAC	90369276
&12	1.75	100	FULL	12.9	ZND	87645499
12	1.75	110		10.9	DAC	14423534
12	1.75	110		12.9	PHC	2465667
&12	1.75	110		12.9	ZND	84281050
12	1.75	130		8.8	ZND	86625211
12	1.75	150		10.9	ZND	2292572
12	1.75	150		12.9	PHC	86837481
14	1.5	30	FULL	8.8	ZND	47496465
14	1.5	35	FULL	8.8	DAC	14311624
14	1.5	40	FULL	8.8	ZND	14311721
14	1.5	45		8.8	DAC	14311824
14	1.5	45		10.9	DAC	51615882
14	1.5	50		10.9	ZND	87742341
*14	1.5	60		8.8	DAC	13031224
*14	1.5	60		10.9	DAC	13031234
14	1.5	100		10.9	ZND	87733388
14	1.5	100		12.9	DAC	51464525
14	1.5	110		10.9	BGM	90363775
14	1.5	120		10.9	ZND	87733389
14	1.5	120		12.9	DAC	51422191
14	1.5	165		10.9	ZND	87477165
14	2	20	FULL	8.8	ZND	84405131
14	2	25	FULL	8.8	ZND	84364043
14	2	30	FULL	8.8	DAC	14433224
14	2	30	FULL	12.9	PHC	84479324
14	2	35	FULL	10.9	DAC	14432534
14	2	45	FULL	8.8	ZND	14313221
14	2	45	FULL	10.9	ZND	14313231

* Thin Head (Fiat 10356/30)

& Do not use for new designs after 01OCT2011 (Hydrogen assisted Cracking – HAC)

^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

Dia	Pitch	Length	Threads	Material	Finish	Part Number
14	2	45	FULL	12.9	PHC	84479756
14	2	50	FULL	10.9	ZND	14424531
14	2	50	FULL	10.9	DAC	14424534
14	2	55	FULL	10.9	ZND	87316168
14	2	60	FULL	10.9	DAC	14424634
14	2	60	FULL	12.9	DAC	47628834
14	2	65		12.9	DAC	14433374
14	2	70		10.9	ZND	92271843
14	2	70		12.9	PHC	84120587
14	2	75	FULL	12.9	PHC	47533339
14	2	80		12.9	BLO	87605313
14	2	85	FULL	12.9	PHC	47509869
14	2	90	FULL	8.8	ZND	87490588
14	2	110		10.9	DAC	51531295
14	2	120		10.9	DAC	51531296
14	2	140		8.8	ZND	87664189
16	1.5	25	FULL	8.8	BGM	91903326
16	1.5	25	FULL	12.9	PHC	47528104
16	1.5	30	FULL	8.8	ZND	14360921
16	1.5	40	FULL	10.9	DAC	14313734
16	1.5	40	FULL	8.8	PLN	14313720
16	1.5	40	FULL	12.9	DAC	14313774
16	1.5	45	FULL	8.8	ZND	87304278
16	1.5	50	FULL	8.8	DAC	14313924
16	1.5	60	FULL	10.9	DAC	14314134
16	1.5	90		8.8	ZND	14314721
16	1.5	100		8.8	ZND	14314821
16	1.5	120	FULL	8.8	DAC	14315024
16	1.5	130		10.9	DAC	91801044
16	2	25	FULL	8.8	DAC	47657971
16	2	35	FULL	10.9	DAC	51461413
16	2	35	FULL	10.9	ZND	14426131
16	2	35	FULL	12.9	DAC	48061004
16	2	40	FULL	8.8	DAC	14426224
16	2	40	FULL	10.9	DAC	14426234
16	2	40	FULL	10.9	ZND	87303345
16	2	45	FULL	8.8	DAC	90424030
16	2	45		10.9	ZND	87588869
&16	2	45		12.9	ZND	87619750
^16	2	45		12.9	DAC	90397995
16	2	45		12.9	DAC	48116779

Dia	Pitch	Length	Threads	Material	Finish	Part Number
16	2	50	FULL	10.9	PHC	47915368
^16	2	50	FULL	10.9	PHC	90358314
16	2	50	FULL	10.9	ZND	87524538
^16	2	50	FULL	10.9	ZND	92092958
&16	2	50	FULL	12.9	ZND	9817243
16	2	50	FULL	12.9	DAC	51654419
16	2	55	FULL	10.9	DAC	51461416
^16	2	55	FULL	10.9	DAC	90417330
16	2	60	FULL	8.8	BGM	92173386
16	2	60	FULL	10.9	ZND	14426631
16	2	65	FULL	8.8	BZN	87301266
16	2	65	FULL	10.9	PHC	47915367
16	2	65		10.9	ZND	47614820
16	2	65		10.9	PHC	47928210
^16	2	65		10.9	PHC	90358315
16	2	65		12.9	PHC	47928219
16	2	70		10.9	DAC	51461417
16	2	75	FULL	12.9	DAC	14426874
16	2	80		10.9	ZND	47840536
16	2	80		12.9	PHC	90382027
16	2	90		10.9	DAC	51461420
16	2	90	FULL	12.9	BLO	86615905
16	2	110		10.9	DAC	51461422
16	2	180		10.9	ZND	90445572
18	1.5	50	FULL	8.8	ZND	47552139
18	1.5	50	FULL	10.9	ZND	91794987
18	1.5	50	FULL	10.9	DAC	91794989
18	1.5	55		10.9	BGM	92251031
18	1.5	60		10.9	BGM	92055456
#18	1.5	70		10.9	DAC	14844634
#18	1.5	80		10.9	DAC	14844834
18	1.5	100		10.9	BGM	92273986
18	1.5	110		10.9	BGM	92195353
18	1.5	125		10.9	BGM	92195354
18	1.5	160		10.9	DAC	91719935

Severe application per Fiat 10356/04

& Do not use for new designs after 01OCT2011 (Hydrogen assisted Cracking – HAC)

^ Chemical lock per IFI 525; ND Microspheres 593S (Blue) or Precote 85; Minimum of 5 pitches, entire circumference starting 2 pitches from end.

TABLE 4: Hex Socket Head Screws Non-Preferred (Continued)

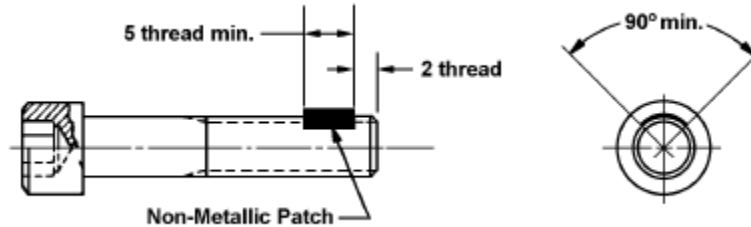
Dia	Pitch	Length	Threads	Material	Finish	Part Number
18	2.5	50	FULL	12.9	DAC	14428074
18	2.5	80	FULL	12.9	DAC	14428774
20	1.5	50	FULL	10.9	DAC	92166072
20	1.5	70	FULL	8.8	DAC	14318324
20	1.5	70	FULL	10.9	ZND	87303830
20	1.5	70	FULL	12.9	DOR	87343640
20	2.5	35	FULL	8.8	ZND	91701581
20	2.5	40	FULL	8.8	PTF	87016479
20	2.5	45	FULL	8.8	ZND	47850106
20	2.5	50	FULL	8.8	ZND	14429421
20	2.5	60	FULL	10.9	DAC	87301672
20	2.5	65	FULL	12.9	DAC	14429674
20	2.5	70	FULL	8.8	ZND	14429721
20	2.5	80		10.9	BGM	91903327
20	2.5	80		10.9	DAC	51554190
20	2.5	80		12.9	DAC	14432774
&20	2.5	80		12.9	ZND	84233548
20	2.5	90		10.9	ZND	90351142
&20	2.5	90		12.9	ZND	84160002
20	2.5	100		10.9	ZND	51607204
20	2.5	110		10.9	DAC	91819704
20	2.5	120		10.9	ZND	72181694
20	2.5	120		12.9	DAC	47710479
20	2.5	120	FULL	12.9	DAC	47715191
&20	2.5	130		12.9	ZNM	87733368
20	2.5	150		10.9	ZND	84273603
22	2.5	70		12.9	PHC	92663925
24	2	70	FULL	8.8	ZND	51635958
24	2	70	FULL	10.9	DAC	91873508
24	2	150	FULL	12.9	DAC	14376374
24	2	220	FULL	12.9	DAC	14376974
24	3	50	FULL	8.8	ZND	2186808
24	3	60	FULL	10.9	BGM	92173387
24	3	60		10.9	ZND	84329838
24	3	90		10.9	DAC	92304950
24	3	90		12.9	DAC	14431674
24	3	100		12.9	PHC	84346908
24	3	110	FULL	8.8	ZND	14431821
24	3	110	FULL	12.9	DAC	47452939
^24	3	110	FULL	12.9	DAC	92277223
&24	3	200		12.9	ZND	84346525

Dia	Pitch	Length	Threads	Material	Finish	Part Number
30	3.5	280		12.9	BLO	47555401

Severe application per Fiat 10356/04
 & Do not use for new designs after 01OCT2011
 (Hydrogen assisted Cracking – HAC)
 ^ Chemical lock per IFI 525; ND Microspheres
 593S (Blue) or Precote 85; Minimum of 5 pitches,
 entire circumference starting 2 pitches from end.

**TABLE 5: Hex Socket Head Screws with Non-Metallic Patch per IFI 524
(Non-Preferred)**

Patch to be applied minimum of 5 pitches, starting 2 pitches from end.
Location and size of non-metallic patch must comply with the illustration below.
For general specification see page 3 and 4.



Dia	Pitch	Length	Threads	Material	Finish	Part Number
4	0.7	20	FULL	8.8	ZND	47819689
4	0.7	50		8.8	ZND	47819692
6	1	18	FULL	8.8	PLN	47985199
10	1.25	20	FULL	12.9	BLO	47613309
10	1.5	20	FULL	12.9	BLO	47711602
12	1.75	40	FULL	8.8	ZND	47579555
12	1.75	50	FULL	10.9	ZND	87584291
16	2	55	FULL	8.8	ZND	92660140

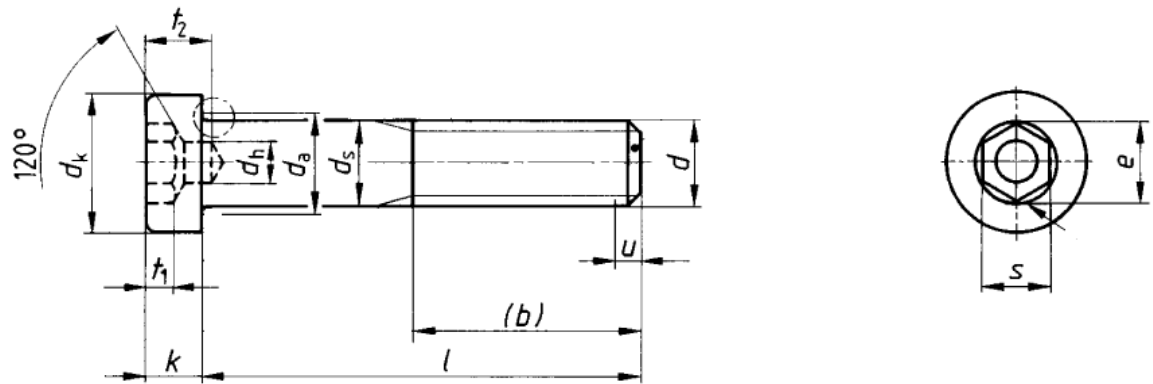


FIGURE 3: Hexagon Socket Thin Head Cap Screws DIN 6912

TABLE 6a: Hexagon Socket Thin Head Cap Screws DIN 6912 General Specifications.

Nom. Size	Pitch P	Thread Length (b) mm			Head OD d _k max	Head Ht. k max.	t ₁ nom	s min	e min
		l ≤ 125	l > 125 ≤ 200	l ≥ 200					
M4	0.7	14	-	-	7	2.8	1.6	3.02	3.44
M5	0.8	16	-	-	8.5	3.5	2	4.02	4.58
M6	1	18	-	-	10	4	2.5	5.02	5.72
M8	1.25	22	-	-	13	5	3	6.02	6.86
M10	1.5	26	32	-	16	6.5	3.5	8.025	9.15
M12	1.75	30	36	-	18	7.5	4	10.025	11.43
*M12	1.25	30	36	-	18	7.5	4	10.040	11.45
M14	2	34	40	-	21	8.5	4.5	12.032	13.72
M16	2	38	44	57	24	10	5.5	14.032	16
M18	2.5	42	48	61	27	11	6	14.032	16
M20	2.5	46	52	65	30	12	6.5	17.05	19.44
M22	2.5	50	56	69	33	13	7	17.05	19.44
M24	3	54	60	73	36	14	7	19.065	21.73

TABLE 6b: Hexagon Socket Thin Head Cap Screws DIN 6912 Non-Preferred Parts

Dia	Pitch	Length	Threads	Material	Finish	Part Number
M5	0.8	16		8.8	ZND	47517706
M8	1.25	65		8.8	ZND	90492384
M10	1.5	20		12.9	DAC	48112880
M10	1.5	25		8.8	ZND	92677641
M10	1.5	25		10.9	ZND	92780962
*M12	1.25	25		8R	DAC	14765624
M12	1.75	20		8.8	ZND	1589304
M12	1.75	25		8.8	ZND	61510
M12	1.75	50		8.8	ZND	2928953

* Per Fiat 10356/33