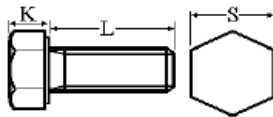


# KUUSIORUUVIT TÄYSKIERRE

ISO 4017 / DIN 933

8.8 MUSTA



		DIN		DIN		DIN							
M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20	M20
8	8	8	12	16	16	20	25		30	20		35	
10	10	12	16	20	20	25	30		40	25		40	
12	12	14	20	25	25	30	35			30		45	
25	16	16	25	30	30	40	40			35		50	
	20	20	30	35	35	50	45			40		55	
	25	22	35	40	40	60	55			45		60	
		25	40		50		60			50		65	
		60	45		60		70			55		100	
			50		80		75			60		130	
			60		100		80			65		150	
			70		140		90			80		200	
			80				100			120			
			100				120			150			
							130			180			
							140			200			
							150						

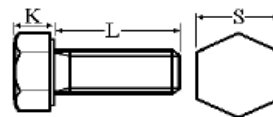
MUUT KOOT KYSELYNÄ

Pakkaus	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20
500 Kpl	8 -	8 -	8 -										
200 Kpl			20 -			16 -							
100 kpl				10 -		40 -	20 -	20 -		20 -			
50 kpl				100 -		100 -	75 -	35 -		50 -	20 -		
25 kpl							150 -	100 -		120 -	50 -	30 -	30 -
10 Kpl												120 -	160 -
5 Kpl												220 -	220 -
1 Kpl													280 -

# KUUSIORUUVIT TÄYSKIERRE

ISO 4017 / DIN 933

8.8 MUSTA



DIN	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48
	50	70	70				80		100	
	60	90	80				90			
	70	200	90				100			
	80		120				150			
	120		140				220			
	150		150							
	160		160							
	200		200							

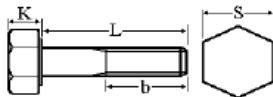
MUUT KOOT KYSELYNÄ

Pakkaus	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48
25 Kpl	40 -	40 -								
10 Kpl	100 -	90 -	50 -	50 -	50 -	50 -	80 -			
5 Kpl	200 -	200 -	200 -	200 -	200 -	200 -	200 -	80 -	80 -	80 -
1 Kpl	260 -	260 -	260 -	260 -	260 -	260 -	260 -	200 -	200 -	200 -

**KUUSIORUUVIT OSAKIERRE**

ISO 4014 / DIN 931

8.8 MUSTA



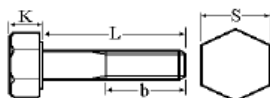
M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20	M22	M24
30	30	35	45	40	50	45			55		65		75
40	35	40	50	45	60	50			60		70		80
50	40	45	60	50	65	60			65		75		90
70	50	50	70	55	70	70			70		80		100
	60	55	90	60	80	75			75		90		110
	70	60	100	70	90	80			80		100		120
	80	70	130	75	100	90			90		110		130
	90	80		80	110	100			100		120		150
		90		90	120	110			110		130		160
		100		100	160	120			120		140		180
		110		110		130			130		150		200
		120		130		140			160		160		220
		130		140		150			180		180		240
		140		180		160			200		200		250
				200		180			220		220		260
						200			240		240		280
						220			260		260		300
						240			280		280		320
						260			300		300		340
						280			360		420		360
						300							380
						360							
						400							

MUUT KOOT KYSELYNÄ

Pakkaus	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20	M22	M24
200 Kpl		30 -												
100 kpl			40 -	40 -	40 -									
50 kpl			110 -	100 -	100 -	45 -	45 -	50 -	50 -					
25 kpl				200 -	200 -	100 -	160 -	140 -	140 -	55 -		70 -	70 -	80 -
10 Kpl										70 -	60 -	100 -	100 -	100 -
5 Kpl										200 -	200 -	200 -	200 -	200 -
1 Kpl												320 -	320 -	320 -

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**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 / DIN 931**  
**8.8 MUSTA**



M27	M30	M33	M36	M39	M42	M45	M48
90	90		120		120		150
100	100		130		150		180
110	110		140		160		200
130	120		160		180		220
140	130		200		220		
150	140		280		240		
160	150		300		260		
180	160						
200	180						
220	200						
260	220						
280	240						
	260						
	280						
	300						

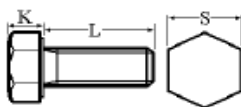
MUUT KOOT KYSELYNÄ

Pakkaus	M27	M30	M33	M36	M39	M42	M45	M48
10 Kpl	80 -	80 -	100 -					
5 Kpl	160 -	160 -	150 -	110 -				
1 Kpl	300 -	300 -	300 -	240 -	120 -	120 -	130 -	140 -

# KUUSIORUUVIT TÄYSKIERRE

ISO 4017 / DIN 933

8.8 ZN



M3	M4	M5	M6	M8	M10	DIN M10	M12	DIN M12	M14	DIN M14	M16
10	6	6	8	10	12	12	16	16	20	20	20
16	8	8	10	12	14	14	20	20	25	25	25
25	10	10	12	14	16	16	25	22	30	30	30
	12	12	14	16	20	20	30	25	35	35	35
	14	14	16	18	22	22	35	30	40	40	40
	16	16	20	20	25	25	40	35	45	45	45
	20	20	22	22	30	30	45	40	50	50	50
	25	22	25	25	35	35	50	45	55	55	55
	30	25	30	30	40	40	55	50	60	60	60
	35	30	35	35	45	45	60	55	80	70	65
	40	35	40	40	50	50	70	60		80	70
		40	45	45	60	55	80	65		90	75
		45	50	50	70	60	90	70		100	80
		50	55	55	80	65	100	75			90
		60	60	60		70	160	80			100
			70	65		75		90			110
			80	70		80		100			120
			90	75		90		120			130
			100	80		100		130			140
				90		110		140			150
				100		120		150			160
				110		130		160			180
				120		140		180			200
						150					220
											240
											260

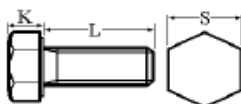
MUUT KOOT KYSELYNÄ

Pakkaus	M3	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16
200 Kpl		8 -	8 -	8 -								
100 kpl				90 -	10 -	12 -	12 -	16 -	16 -			
50 Kpl					140 -	70 -	70 -	35 -	35 -	20 -	20 -	20 -
25 Kpl								100 -	100 -	75 -	75 -	40 -
10 Kpl										110 -	110 -	110 -

# KUUSIORUUVIT TÄYSKIERRE

ISO 4017 / DIN 933

8.8 ZN

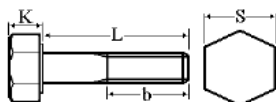


M18	M20	M22	M24	M27	M30	M33	M36
30	30	40	40	70	80		
35	35	50	45	80	100		
40	40	55	50	90			
45	45	60	55	100			
50	50	65	60				
55	55	70	65				
60	60	80	70				
65	65	90	80				
	70	100	90				
	75		100				
	80		120				
	90		140				
	100		150				
	110		180				
	120		200				
	130						
	140						
	150						
	160						
	180						
	200						

MUUT KOOT KYSELYNÄ

Pakkaus	M18	M20	M22	M24	M27	M30	M33	M36
25 Kpl	30 -	30 -	40 -	35 -				
10 Kpl	65 -	65 -	65 -	50 -	50 -	50 -		
5 Kpl		100 -	100 -	100 -	100 -	100 -		
1 Kpl		240 -	200 -	160 -	160 -	140 -	60 -	50 -

**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 / DIN 931**  
**8.8 ZN**

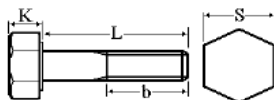


M4	M5	M6	M8	M10	DIN M10	DIN M12	DIN M12	DIN M14	DIN M14
35	30	30	35	40	40	45	45	50	50
40	35	35	40	45	45	50	50	55	55
45	40	40	45	50	50	55	55	60	60
50	45	45	50	55	55	60	60	65	65
60	50	50	55	60	60	65	65	70	70
	55	55	60	65	65	70	70	75	75
	60	60	65	70	70	75	75	80	80
	70	65	70	75	75	80	80	90	90
	80	70	75	80	80	90	90	100	100
	100	75	80	90	90	100	100	110	110
		80	90	100	100	110	110	120	120
		90	100	110	110	120	120	130	130
		100	110	120	120	130	130	140	140
		110	120	130	130	140	140	150	150
		120	130	140	140	150	150		160
			140	150	150	160	160		180
			150	160	160	180	180		200
			160	180	180	200	200		
			180	200	200	220	220		
			200		220		240		
			220		240		260		
					260		280		
					280		300		
					300				

MUUT KOOT KYSELYNÄ

Pakkaus	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14
200 Kpl	35 -	30 -	30 -							
100 kpl			80 -	35 -	40 -	40 -				
50 kpl				110 -	60 -	60 -	45 -	45 -	50 -	45 -
25 kpl					120 -	120 -	100 -	100 -	70 -	70 -
10 Kpl								220 -		

**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 / DIN 931**  
**8.8 ZN**

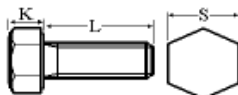


								DIN
M16	M18	M20	M22	M22	M24	M27	M30	
55	60	70	70	70	75	90		
60	65	75	75	75	80	100		
65	70	80	80	80	90	110		
70	75	90	90	90	100			
75	80	100	100	100	110			
80	90	110	110	110	120			
90	100	120	120	120	130			
100	110	130	130	130	140			
110	120	140	140	140	150			
120	130	150	150	150	160			
130	140	160	160	160	180			
140	150	180	180	180	200			
150	160	200	200	200	220			
160	180	220			240			
180	200	240			260			
200		260			280			
220		280			300			
240		300			320			
260		320			340			
280					360			
300					400			
320								
340								
400								

MUUT KOOT KYSELYNÄ

Pakkaus	M16	M18	M20	M22	M22	M24	M27	M30
25 Kpl	60 -	70 -			75 -			
10 kpl	110 -	80 -	70 -		80 -	90 -	80 -	100 -
1 Kpl	240 -							

**KUUSIORUUVIT TÄYSKIERRE**  
**ISO 4017 / DIN 933**  
**8.8 ZNK**



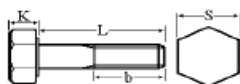
		DIN		DIN					DIN					
M6	M8	M10	M10	M12	M12	M16	M18	M20	M22	M24	M27	M30	M33	M36
12	12	16	12	16	16	20		30		40	50	60	80	70
16	16	20	16	20	20	25		35		45	60	70	90	80
20	20	25	20	25	25	30		40		50	70	80		90
25	25	30	25	30	30	35		45		55	80	90		100
30	30	35	30	35	35	40		50		60	90	100		
40	35	40	35	40	40	45		55		65		120		
	40	45	40	45	45	50		60		70				
	45	50	45	50	50	55		65		75				
	50	60	50	55	60	60		70		80				
	55	70	60	60	70	65		75		90				
	60	80	70	65	80	70		80		100				
	65	90	80	70	130	80		90		110				
	70	100		80		90		100		120				
	75			90		100		120						
	80			100		120								
				120										

MUUT KOOT KYSELYNÄ

Pakkaus	M6	M8	M10	M10	M12	M12	M16	M18	M20	M22	M24	M27	M30	M33	M36
500 Kpl	12 -														
200 kpl	16 -														
100 kpl		12 -		16 -		16 -									
50 kpl				70 -		35 -	25 -								
25 Kpl							40 -	40 -	30 -	50 -					
10 Kpl							100 -		65 -		40 -	50 -	70 -	80 -	
5 Kpl															70 -



**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 / DIN 931**  
**8.8 ZNK**



	DIN		DIN		DIN									
	M8	M10	M10	M12	M12	M16	M18	M20	M22	M24	M27	M30	M33	M36
35	40	40	45	45	55	70	65	90	75	80	90	100	100	110
40	45	45	50	50	60	75	70	100	80	90	100	100	110	120
45	50	50	55	55	65	80	75	110	90	100	100	110	120	130
50	55	55	60	60	70	90	80	120	100	110	110	120	130	140
55	60	60	65	65	75	100	90	130	110	120	120	130	140	150
60	65	65	70	70	80	110	100	140	120	130	130	140	150	160
65	70	70	75	75	90	120	110	150	130	140	140	150	160	180
70	75	75	80	80	100	130	120	160	140	150	150	160	180	200
75	80	80	90	90	110	140	130	180	150	160	160	180	200	220
80	90	90	100	100	120	150	140		160	180	180	200	220	240
90	100	100	110	110	130		150		180	200	200	220	240	260
100	110	110	120	120	140		160		200	220	220	240	260	280
110	120	120	130	130	150		180		220	240	240	260	280	300
120	130	130	140	140	160		200		240	260	260	280	300	
130	140	140	150	150	180		220		260	280	280	300		
	150	150	160	160	200		240		280	300	300	320		
	160	160	180	180	220		260		300			340		
	180	180	200	200	240		280		320			360		
	200	200	220	220	260		300		340			380		
		220	240	240	280		320		360			400		
		240	260	260	300		340		380					
		260	280	280	320		360		400					
			300	300	360		380							
					400		400							
					450									
					500									
					550									
					600									

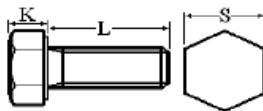
MUUT KOOT KYSELYNÄ

Pakkaus	M8	M10	M10	M12	M12	M16	M18	M20	M22	M24	M27	M30	M33	M36
100 kpl	35 -	45 -	45 -											
50 Kpl		60 -	60 -	50 -	50 -									
25 Kpl		120 -	120 -	100 -	100 -	60 -	70 -							
10 Kpl				220 -	220 -	110 -	110 -	65 -	90 -	75 -	80 -	90 -	100 -	
5 Kpl												140 -	150 -	110 -
1 Kpl						260 -		280 -		260 -		320 -		220 -

**KUUSIORUUVIT TÄYSKIERRE**

ISO 4017 / DIN 933

10.9 MUSTA



					DIN		DIN		DIN	
M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16
		10	12	20	16	20	20	30	30	25
		12	16	25	20	25	25		35	30
		16	20	30	25	30	30		40	35
		20	25	35	30	35	35		45	40
		25	30	40	35	40	40		50	45
		30	35	50	40	50	45		60	50
		35	40		45		50		70	55
		40	45		50		60		80	60
		50	50		60		70		90	65
		60	60		70		80			70
			70		80		100			75
			75		90		120			80
			90		100					90
										100
										130
										150
										160

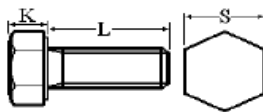
MUUT KOOT KYSELYNÄ

Pakkaus	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16
500 Kpl			12 -								
200 kpl				12 -	16 -	20 -					
100 Kpl				45 -	35 -	35 -	20 -	20 -	25 -	25 -	
50 Kpl				100 -		100 -	70 -	70 -	45 -	45 -	25 -
25 Kpl									140 -	140 -	65 -
10 Kpl											130 -

**KUUSIORUUVIT TÄYSKIERRE**

ISO 4017 / DIN 933

10.9 MUSTA

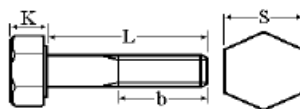


		DIN				
M18	M20	M22	M24	M27	M30	M36
30	30	50	50		80	
35	35	55	55			
40	40	60	60			
45	45	65	65			
50	50	70	70			
55	55	80	80			
60	60	90	90			
65	65	100	100			
70	70		150			
80	80					
90	90					
100	100					
	150					

MUUT KOOT KYSELYNÄ

Pakkaus	M18	M20	M22	M24	M27	M30	M36
50 Kpl	30 -	30 -					
25 Kpl	55 -	45 -	50 -	50 -	50 -		
10 Kpl		160 -	100 -	110 -	100 -	50 -	50 -
5 Kpl							70 -

**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 / DIN 931**  
**10.9 MUSTA**



M4	M5	M6	M8	M10	DIN	M10	DIN	M12	DIN	M14	DIN
		30	35	40	40	45	45	120	50		
		35	40	45	45	50	50		55		
		40	45	50	50	55	55		60		
		45	50	55	55	60	60		65		
		50	55	60	60	65	65		70		
		55	60	70	65	70	70		80		
		60	65	80	70	80	75		90		
		70	70	90	75	90	80		100		
			80	100	80	100	90		110		
			90	110	90	110	100		120		
			100	140	100	120	110		130		
			110		110	140	120		140		
			120		120	160	130		150		
			130		130		140		160		
			140		140		150		180		
					150		160		200		
					160		180				
					180		200				
					200		220				
							240				
							260				
							280				
							300				

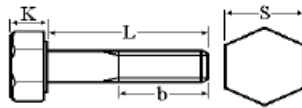
MUUT KOOT KYSELYNÄ

Pakkaus	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14
200 Kpl			30 - 35 -							
100 Kpl			100 - 75 -	40 -	40 -	45 -	45 -	50 -	50 -	
50 Kpl			130 -	90 -	90 -	70 -	70 -	70 -	70 -	
25 Kpl						160 -	160 -	140 -	140 -	

# KUUSIORUUVIT OSAKIERRE

ISO 4014 / DIN 931

10.9 MUSTA



		DIN							
M16	M18	M20	M22	M24	M27	M30	M36	M48	
55	60	65	70	75	100	100	100	180	
60	65	70	75	80	110	110	110	280	
65	70	75	80	90	120	120	120		
70	80	80	90	100	130	130	130		
75	90	90	100	110	140	140	150		
80	100	100	110	120	150	150	160		
90	110	110	120	130	160	160	200		
100	120	120	130	140	180	180	220		
110	130	130	140	150	200	200	240		
120	140	140	150	160	220	220			
130	150	150	160	180	240	240			
140	160	160	180	200	260	260			
150	180	180	200	220	280	280			
160	200	200		240	300	300			
180		220		260					
200		240		280					
220		250		300					
240		260		320					
250		280							
260		300							
280									
300									

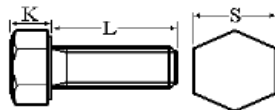
MUUT KOOT KYSELYNÄ

Pakkaus	M16	M18	M20	M22	M24	M27	M30	M36	M48
50 Kpl	55 -								
25 Kpl	65 -	60 -	65 -		75 -				
10 Kpl	220 -	160 -	160 -	70 -	90 -	80 -	100 -		
5 Kpl				100 -	260 -				
1 Kpl			250 -			260 -	260 -	100 -	120 -

# KUUSIORUUVIT TÄYSKIERRE

ISO 4017 / DIN 933

12.9 MUSTA



		DIN		DIN		DIN				DIN			
M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20	M22	M24	M27
12	16		20		25		35	30		50			
16	20		25		30		40	35		65			
40	25		30		35		45	40		80			
	30		35		40		50	45					
	35		40		45			50					
	40							60					
	55							100					

MUUT KOOT KYSELYNÄ

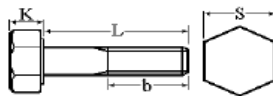
Pakkaus	M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20	M22	M24	M27
200 Kpl	12 -	16 -		20 -										
100 Kpl	40 -	40 -		35 -		30 -		35 -						
50 Kpl						50 -		45 -	30 -					
25 Kpl									70 -		40 -		50 -	
10 Kpl													90 -	

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# KUUSIORUUVIT OSAKIERRE

ISO 4014 / DIN 931

12.9 MUSTA



			DIN		DIN		DIN				DIN		
M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20	M22	M24	M30
	40		40		45		60	60		70		80	
	45		50		50			65		80		120	
	50		80		55			80		90		140	
			100		60			90		100		160	
			120		70			120		110			
					80			130		120			
										130			
										140			
										180			

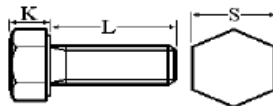
MUUT KOOT KYSELYNÄ

Pakkaus	M6	M8	M10	M10	M12	M12	M14	M14	M16	M18	M20	M22	M24	M30
200 Kpl		40 -												
100 Kpl				50 -		50 -								
50 Kpl						70 -			55 -					
25 Kpl									65 -		70 -			
10 Kpl											110 -		80 -	
5 Kpl														90 -

# KUUSIORUUVIT HIENOKIERRE

DIN 961 / ISO 8676, TÄYSKIERRE

8.8 MUSTA

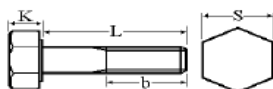


			DIN		DIN		DIN				DIN		
M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M24	M24	
16		20		25	25	25	30	30	40	50	50	50	
20		25		30	30	30	35	40	50		60	70	
25		30		35	40	35	40	50	55				
30		35		40		40	45	55	60				
35		40		45		50	50	60	70				
40		60		50		60	55	70					
50							60						
60							70						

MUUT KOOT KYSELYNÄ

Pakkaus	M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M24	M24
200 Kpl	10 -	12 -	12 -	16 -	16 -								
100 Kpl	60 -	45 -	45 -	30 -	30 -	25 -	20 -						
50 Kpl			80 -	60 -		70 -	20 -	30 -	30 -				
25 Kpl							65 -	60 -	40 -			40 -	50 -
10 Kpl												100 -	100 -

**KUUSIORUUVIT HIENOKIERRE  
DIN 960 / ISO 8765, OSAKIERRE  
8.8 MUSTA**

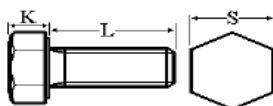


		DIN		DIN		DIN					DIN	
M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M22	M24
		40		50	60	50	60	60	70			80
		50		55	70	55	65	70	90			120
		55		60	80	60	70	80	100			
		60		65		80	100	90	120			
		70		70		100	120	100	130			
		80		80					150			
		90										
		100										

MUUT KOOT KYSELYNÄ

Pakkaus	M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M22	M24
100 Kpl	35 -	40 -	40 -										
50 Kpl		60 -	60 -	45 -	45 -		50 -						
25 Kpl		110 -	110 -	100 -	100 -		75 -	50 -	55 -	60 -		65 -	70 -
10 Kpl								160 -	110 -	110 -		100 -	100 -

**KUUSIORUUVIT HIENOKIERRE  
DIN 961 / ISO 8676  
8.8 ZN**

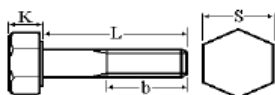


	DIN	DIN	ISO	DIN	DIN	DIN					DIN	
M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M22	M24
16	20	25		20	25	25	25		40			
20	35	30		25	30	30	35		45			
25		35		30	35	35	40		50			
30		40		40	40	40	45					
40		50					50					

MUUT KOOT KYSELYNÄ

Pakkaus	M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M22	M24
200 Kpl	10 -	20 -	12 -	25 -	16 -								
100 Kpl	60 -	45 -	45 -	30 -	30 -	25 -	20 -						
50 Kpl			80 -	60 -	60 -		70 -	20 -	30 -	30 -			
25 Kpl								65 -	60 -	40 -		40 -	40 -
10 Kpl													80 -

**KUUSIORUUVIT HIENOKIERRE  
DIN 960 / ISO 8765, OSAKIERRE  
8.8 ZN**

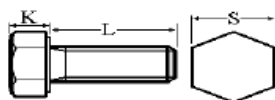


	ISO	DIN	ISO	DIN	DIN	DIN						DIN	
M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M20	M22	M24
		40		50	50	50	55	55	70	75			
		45		60		55	60	60	75	130			
				65			65	70	80				
				70			70	90	130				
				80			80	100					
				100			90	110					
							110	120					
							120						
							140						

MUUT KOOT KYSELYNÄ

Pakkaus	M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M22	M24
100 Kpl	35 -	40 -	40 -										
50 Kpl		60 -	60 -	45 -	45 -		50 -						
25 Kpl		110 -	110 -	100 -	100 -		75 -	50 -	55 -	60 -	75 -	65 -	
10 Kpl								160 -	110 -	110 -		100 -	70 -

**KUUSIORUUVIT HIENOKIERRE  
DIN 961 / ISO 8676, TÄYSKIERRE  
10.9 MUSTA**

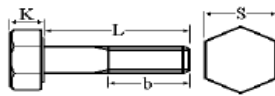


	ISO	DIN	DIN	DIN	ISO	DIN						M24	M24
M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M20	M24	M24
25		25	30	30		25	30	35	40	40	40	40	80
		30		35		40	35	45	50				
		50		45		50	40	50	55				
				50		60	45	55	60				
							50	60					
								70					
								90					

MUUT KOOT KYSELYNÄ

Pakkaus	M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M24	M24
200 Kpl	10 -	12 -	12 -	16 -	16 -								
100 Kpl	60 -	45 -	45 -	30 -	30 -	25 -	20 -						
50 Kpl			80 -		60 -		70 -	20 -	30 -	30 -			
25 Kpl								65 -	60 -	40 -		40 -	50 -
10 Kpl												100 -	100 -

**KUUSIORUUVIT HIENOKIERRE  
DIN 960 / ISO 8765, OSAKIERRE  
10.9 MUSTA**



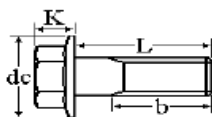
	ISO	DIN	ISO	DIN	DIN	DIN					DIN	
M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M22	M24
				45	45	60	60	60	70		140	
				50	50	65	70	90	80			
				55		70	80	100	90			
				60		80	90		100			
				80			100		110			
				100			110		120			
									130			
									150			

MUUT KOOT KYSELYNÄ

Pakkaus	M8	M10	M10	M12	M12	M12	M14	M16	M18	M20	M20	M22	M24
100 Kpl	35 -	40 -	40 -										
50 Kpl		60 -	60 -	45 -	45 -		50 -						
25 Kpl		110 -	110 -	100 -	100 -		75 -	50 -	55 -	60 -		65 -	70 -
10 Kpl								160 -	110 -	110 -		100 -	100 -



**KUUSIORUUVIT LAIPALLA**  
**DIN 6921**  
**8.8 ZN**

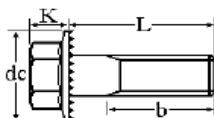


M6	M8	M10	M12	M14	M16
10	12	16	20	50	
12	16	20	25		
16	20	25	30		
20	25	30	35		
25	30	35	40		
30	35	40	50		
35	40	50	70		
40	50	70	80		
50	60	80	90		
60	80	90	100		
	110	120	110		
		130			
		150			

MUUT KOOT KYSELYNÄ

Pakkaus	M6	M8	M10	M12	M14	M16
200 Kpl	10 -					
100 Kpl		16 -	20 -	25 -		
50 Kpl			70 -	50 -		
25 Kpl						

**KUUSIORUUVIT LAIPALLA**  
**DIN 6921 TENSILOCK**  
**8.8 ZN**

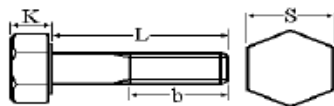


M3	M4	M5	M6	M8	M10	M12
			10	16	20	
			12	20	25	
			16	25	30	
			20	30	40	
			25			
			30			

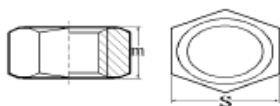
MUUT KOOT KYSELYNÄ

Pakkaus	M3	M4	M5	M6	M8	M10	M12
200 Kpl				10 -			
100 Kpl					16 -	20 -	

**HV - KUUSIORUUVIT**  
**DIN 6914**  
**10.9 ZNK**

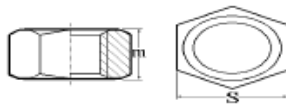


M12	M16	M20	M24	M27	M30	M36
30	35	40	50	60	70	100
35	40	45	55	90	75	110
40	45	50	60	100	80	120
45	50	55	65	110	85	130
50	55	60	70	125	90	140
55	60	65	75	130	95	150
60	65	70	80	140	100	160
65	70	75	85	150	105	200
70	75	80	90		110	
	80	85	95		120	
	85	90	100		130	
	90	95	105		140	
	95	100	110		150	
	100	105	120			
	110	110	125			
	120	115	130			
	125	120	135			
	130	125	140			
	140	130	145			
	150	160	150			
	160		155			
			160			
			180			
			200			



**DIN 6915-10 ZNK**

M12
M16
M20
M24
M27
M30
M36



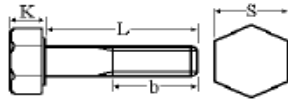
**DIN 6915-10 ZNK KORKEA**

M16
M20
M24
M27
M30
M36

**DIN 6916 ZNK**

M12
M16
M20
M24
M27
M30
M36

**KUUSIORUUVIT**  
**UNC ANSI B18.2.1 8.8**  
**SINKKITTY**

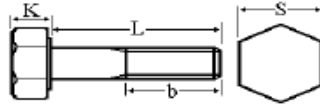


1/4"		5/16"		3/8"		7/16"		1/2"		9/16"		5/8"		3/4"	
"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm
1/2"	13	1/2"	13	1/2"	13	3/4	19	3/4	19	1"	25	1"	25	1 1/4	32
5/8	16	5/8	16	5/8	16	1"	25	7/8	22	1 1/4	32	1 1/4	32	1 1/2	38
3/4	19	3/4	19	3/4	19	1 1/4	32	1"	25	1 1/2	38	1 1/2	38	1 3/4	45
7/8	22	7/8	22	7/8	22	1 1/2	38	1 1/4	32	1 3/4	45	1 3/4	45	2"	51
1"	25	1"	25	1"	25	1 3/4	45	1 1/2	38	2"	51	2"	51	2 1/4	57
1 1/4	32	1 1/4	32	1 1/4	32	2"	51	1 3/4	45	2 1/4	57	2 1/4	57	2 1/2	64
1 1/2	38	1 1/2	38	1 1/2	38	2 1/4	57	2"	51	2 1/2	64	2 1/2	64	2 3/4	70
1 3/4	45	1 3/4	45	1 3/4	45	2 1/2	64	2 1/4	57	2 3/4	70	2 3/4	70	3"	76
2"	51	2"	51	2"	51	2 3/4	70	2 1/2	64	3"	76	3"	76	3 1/4	83
2 1/4	57	2 1/4	57	2 1/4	57	3"	76	2 3/4	70	3 1/4	83	3 1/4	83	3 1/2	89
2 1/2	64	2 1/2	64	2 1/2	64	3 1/4	83	3"	76	3 1/2	89	3 1/2	89	4"	102
2 3/4	70	2 3/4	70	2 3/4	70	3 1/2	89	3 1/4	83	4"	102	4"	102	4 1/2	114
3"	76	3"	76	3"	76	4"	102	3 1/2	89	4 1/2	114	4 1/2	114	5"	127
4"	102	3 1/4	83	3 1/4	83	5"	127	4"	102	5"	127	5"	127	5 1/2	140
		3 1/2	89	3 1/2	89	5 1/2	140	4 1/2	114	5 1/2	140	5 1/2	140	6"	152
		4"	102	4"	102	6"	152	5"	127	6"	152	6"	152		
		4 1/2	114	4 1/2	114			5 1/2	140						
				5"	127			6"	152						
				5 1/2	140										
				6"	152										

MUUT KOOT KYSELYNÄ

Pakkaus	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"
200 Kpl	13 -							
100 Kpl	102 -	13 -	13 -	19 -	19 -			
50 Kpl		102 -	64 -	64 -	32 -	25 -	25 -	
25 Kpl			114 -	127 -	102 -	76 -	38 -	38 -
10 Kpl							102 -	64 -

**KUUSIORUUVIT**  
**UNC ANSI B18.2.1**  
**10.9 MUSTA**



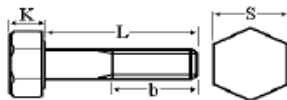
1/4"		5/16"		3/8"		7/16"		1/2"		9/16"		5/8"		3/4"	
"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm
						7/8	22	1"	25			1"	25	2 1/2	64
												1 1/4	32		

MUUT KOOT KYSELYNÄ

Pakkaus	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"
200 Kpl	13 -							
100 Kpl	102 -	13 -	13 -	19 -	19 -			
50 Kpl		102 -	64 -	64 -	32 -	25 -	25 -	
25 Kpl			114 -	127 -	102 -	76 -	38 -	38 -
10 Kpl							102 -	64 -

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**KUUSIORUUVIT HIENOKIERRE**  
**UNF ANSI B18.2.1 8.8**  
**SINKITTY**

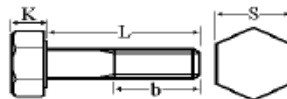


1/4"		5/16"		3/8"		7/16"		1/2"		9/16"		5/8"		3/4"	
"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm
1/2	13	1/2	13					1"	25			1 1/4	32	1 1/2	38
5/8	16	5/8	16	3/4	19	3/4	19	1 1/4	32			2"	51	2"	51
3/4	19	3/4	19	1"	25	1"	25	1 1/2	38			2 1/4	57		
7/8	22	1"	25	1 1/4	32	1 1/4	32	1 3/4	45			3"	76		
1"	25	1 1/4	32	1 1/2	38	1 1/2	38	2"	51						
1 1/4	32	1 1/2	38	1 3/4	45	1 3/4	45	2 1/2	64						
1 1/2	38	1 3/4	45	2"	51	2"	51	3"	76						
1 3/4	45	2"	51	2 1/2	64	2 1/2	64	3 1/4	83						
2"	51	2 1/2	64	3"	76	3 1/2	89	4"	102						
2 1/2	64			3 1/2	89	4"	102								
				4"	102										

MUUT KOOT KYSELYNÄ

Pakkaus	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"
200 Kpl	13 -							
100 Kpl	102 -	13 -	13 -	19 -	19 -			
50 Kpl		102 -	64 -	64 -	32 -	25 -	25 -	
25 Kpl			114 -	127 -	102 -	76 -	38 -	38 -
10 Kpl							102 -	64 -

**KUUSIORUUVIT HIENOKIERRE**  
**UNF ANSI B18.2.1 10.9**  
**MUSTA**



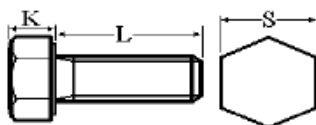
1/4"		5/16"		3/8"		7/16"		1/2"		9/16"		5/8"		3/4"	
"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	"	mm
								1"	25			1 1/4	32		
								2"	51			1 1/2	38		
								2 1/2	64						

MUUT KOOT KYSELYNÄ

Pakkaus	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"
200 Kpl	13 -							
100 Kpl	102 -	13 -	13 -	19 -	19 -			
50 Kpl		102 -	64 -	64 -	32 -	25 -	25 -	
25 Kpl			114 -	127 -	102 -	76 -	38 -	38 -
10 Kpl							102 -	64 -

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**KUUSIORUUVIT TÄYSKIERRE**  
**ISO 4017 / DIN 933**  
**RUOSTUMATON A2-70**

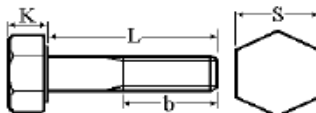


						DIN		DIN		DIN			
M3	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24
10	8	6	8	12		12		20			30	40	
	10	8	10	16		16		25			35	50	
	12	10	12	20		20		30			40	60	
	16	12	14	25		25		35			45		
	20	16	16	30		30		40			50		
	30	20	20	35		35		45			55		
	40	25	25	40		40		50			60		
	45	30	30	50		45		60					
			40	55		50							
			50	60		60							
			75	70		70							
				80									
				90									

MUUT KOOT KYSELYNÄ

Pakkaus	M3	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24
200 Kpl	6 -	6 -	6 -	8 -										
100 Kpl			35 -	35 -	8 -	10 -	10 -	20 -	20 -					
50 Kpl					80 -	60 -	60 -	25 -	25 -		20 -	20 -		
25 Kpl							120 -		110 -			40 -	30 -	
20 Kpl														35 -
10 Kpl													120 -	55 -

**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 / DIN 931**  
**RUOSTUMATON A2**

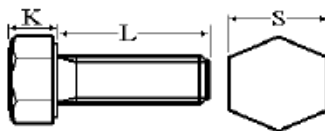


				DIN		DIN		DIN				
M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24	
40	35	40		40		40			55	70		
45	40	45		45		45			60	75		
50	45	50		50		50			65	80		
	50	55		55		55			70	90		
	55	60		60		60			75	100		
	60	70		65		65			80	120		
	65	75		70		70			90	160		
	70	80		75		80			100			
	80	90		80		90			110			
		100		90		100			120			
		110		100		110			130			
		120		110		120			140			
		150		120		130			150			
				140		140			180			
				150		150						
				180		160						
				200		180						

MUUT KOOT KYSELYNÄ

Pakkaus	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24
100 Kpl	25 -	30 -	30 -	35 -								
50 Kpl			80 -	60 -		40 -		50 -	50 -	60 -		
25 Kpl			140 -	120 -		110 -			60 -	70 -		
20 Kpl									130 -	110 -		
10 Kpl									150 -	120 -	70 -	

**KUUSIORUUVIT TÄYSKIERRE**  
**ISO 4017 / DIN 933**  
**HAPONKESTÄVÄ A4 80 / A4 70**

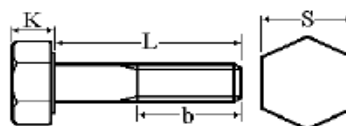


				DIN		DIN		DIN					
M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24	M27
6	6	10	10	16	12	20	16		20	25	30	40	80
8	8	12	12	20	16	25	20		25	30	35	50	
10	10	14	14	25	20	30	25		30	35	40	55	
12	12	16	16	30	22	35	30		35	40	45	60	
16	14	20	20	35	25	40	35		40	45	50	70	
20	16	22	22	40	30	45	40		45	50	55	80	
25	20	25	25	45	35	50	45		50	55	60	90	
30	25	30	30	50	40	80	50		55	60	65	100	
35	30	35	35	60	45		55		70	65	70		
40	35	40	40		50		60		90	70	80		
45	40	45	45		55		65			75	90		
50	45	50	50		60		70			80	100		
	50	55	55		65		75			90	110		
		60	60		70		80			100	120		
		70	70		75		90			110			
		80	75		80		100			120			
		90	80		90		120						
		100	90		100								
			100		120								

MUUT KOOT KYSELYNÄ

Pakkaus	M4	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24	M27
500 Kpl	6 -	6 -	6 -											
200 Kpl	20 -	20 -	16 -	8 -										
100 Kpl	50 -	45 -	45 -	40 -		10 -		16 -						
50 Kpl				90 -		60 -		40 -		20 -	20 -			
25 Kpl						120 -		80 -		55 -	55 -	30 -		
20 Kpl												90 -	40 -	
10 Kpl													55 -	
1 Kpl														50 -

**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 / DIN 931**  
**HAPONKESTÄVÄ A4-80 / A4-70**

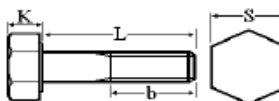


				DIN					DIN							DIN
M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24	M27	M30	M36		
35	35	35	40	40	45	45		55	55	65	75	80	80			
40	40	40	45	45	50	50		60	60	70	80	90	90			
45	45	45	50	50	60	55		70	65	75	90	100	100			
50	50	50		55	80	60		80	70	80	100	120	120			
55	55	55		60		65		90	75	90	110	130	130			
60	60	60		65		70		100	80	100	120	140	140			
65	65	65		70		75		120	90	110	130	150	150			
	70	70		75		80			100	120	140	160	160			
	75	75		80		90			110	130	150	180				
	80	80		90		100			120	140	160	200				
	90	90		100		110			130	150	180	220				
	100	100		110		120			140	160	200	240				
	120	110		120		130			150	180	220	260				
		120		130		140			160	200	240					
		130		140		150			180	220	260					
		140		150		160			200	240	280					
		150				180			220	260	300					
		160				200			230							
									240							
									250							
									280							

MUUT KOOT KYSELYNÄ

Pakkaus	M5	M6	M8	M10	M10	M12	M12	M14	M14	M16	M20	M24	M27	M30	M36
100 Kpl	35 -	35 -	40 -	40 -											
50 Kpl		180 -	110 -	70 -		45 -		55 -	55 -						
25 Kpl			130 -	130 -		120 -		110 -	70 -	70 -					
20 Kpl										130 -	80 -				
10 Kpl											180 -	90 -			
1 Kpl										220 -	220 -	220 -	90 -	90 -	100 -

**KUUSIORUUVIT OSAKIERRE**  
**ISO 4014 DEPO**  
**8.8 DELTA-PINNOITE**



		ISO	ISO	ISO				
M6	M8	M10	M12	M14	M16	M18	M20	
	40	50	60	50	55		80	
	50	60	70	60	60		90	
	60	70	75	80	65		100	
	70	80	80	130	70		120	
	80	90	90	140	75		140	
	100	100	100		80		150	
	110		120		90			
	120		130		100			
	160		140		110			
			180		120			
					130			
					140			
					150			
					160			
					200			

MUUT KOOT KYSELYNÄ

Pakkaus	M6	M8	M10	M12	M14	M16	M18	M20
200 Kpl	30 -							
100 Kpl	70 -	35 -	40 -					
50 Kpl		120 -	60 -	45 -	50 -			
25 Kpl			110 -	100 -	140 -	60 -	70 -	70 -
10 Kpl						220 -	80 -	100 -