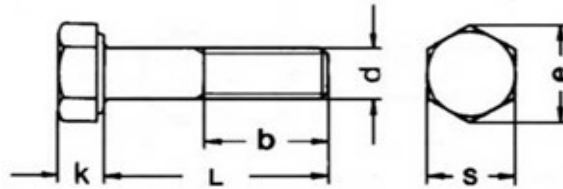


Dash Number :

d	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22
L												
18	013											
20	014	039										
22	015	062										
25	016	063	001									
30	017	064	002	236	020							
35	018	065	003	237	021	040						
40	019	066	004	238	022	041	070					
45	037	067	005	239	023	042	071	100				
50	038	068	006	255	024	043	072	101	121			
55		069	007	256	025	044	073	102	122	141	160	
60		092	008	257	026	045	074	103	123	142	161	180
65		093	009	258	027	046	075	104	124	143	162	181
70		094	010	259	028	047	076	105	125	144	163	182
75		095	011	260	029	048	077	106	126	145	164	183
80		096	012	261	030	049	078	107	127	146	165	184
85		097	179	262	031	050	079	108	128	147	166	185
90		098	198	263	032	051	080	109	129	148	167	186
95			199	264	033	052	081	110	130	149	168	187
100		099	218	265	034	053	082	111	131	150	169	188
110			219	266	035	054	083	112	132	151	170	189
120			234	267	036	055	084	113	133	152	171	190
130			235	268	036	056	085	114	134	153	172	191
140				269	037	057	086	115	135	154	173	192
150				270	038	058	087	116	136	155	174	193
160				271	039	059	088	117	137	156	175	194
170				272	040	060	089	118	138	157	176	195
180				273	041	061	090	119	139	158	177	196
190				274	042	062	091	120	140	159	178	197
200				275	043	063	092	121	141	160	179	198
210				276	044	064	093	122	142	161	180	199
220				277	045	065	094	123	143	162	181	200
230					046	066	095	124	144	163	182	201
240					047	067	096	125	145	164	183	202
250					048	068	097	126	146	165	184	203
260					049	069	098	127	147	166	185	204
280					050	070	099	128	148	167	186	205
300					051	071	100	129	149	168	187	206

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Standard Reference	ISO 4014 EN 24014 - DIN 931	Issue Date	27/11/2017
TUVASAS Standard	SP.01003	Rev. Date	07/11/2019
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Related Size :

d		M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22
k	basic	2,8	3,5	4	4,8	5,3	6,4	7,5	8,8	10	11,5	12,5	14
	xxxx												
s	basic	7	8	10	11	13	17	19	22	24	27	30	32
	xxxx												
e	min.	7,66	8,79	11,05	-----	14,38	17,77	20,03	24,49	26,75	30,14	33,53	35,72
	xxxx												

b	M4	
	$l \leq 125$	14
	$125 < l \leq 200$	20
	$l > 200$	33

b	M8	
	$l \leq 125$	22
	$125 < l \leq 200$	28
	$l > 200$	41

b	M16	
	$l \leq 125$	38
	$125 < l \leq 200$	44
	$l > 200$	57

b	M5	
	$l \leq 125$	16
	$125 < l \leq 200$	22
	$l > 200$	35

b	M10	
	$l \leq 125$	26
	$125 < l \leq 200$	32
	$l > 200$	45

b	M18	
	$l \leq 125$	42
	$125 < l \leq 200$	48
	$l > 200$	61

b	M6	
	$l \leq 125$	18
	$125 < l \leq 200$	24
	$l > 200$	37

b	M12	
	$l \leq 125$	30
	$125 < l \leq 200$	36
	$l > 200$	49

b	M20	
	$l \leq 125$	46
	$125 < l \leq 200$	52
	$l > 200$	65

b	M7	
	$l \leq 125$	20
	$125 < l \leq 200$	26
	$l > 200$	39

b	M14	
	$l \leq 125$	34
	$125 < l \leq 200$	40
	$l > 200$	53

b	M22	
	$l \leq 125$	50
	$125 < l \leq 200$	56
	$l > 200$	69

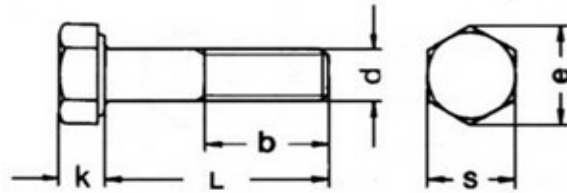
To create the complete part number for normalized item refer to the following table

TUVASAS Standard								
	Fix	.	Main Group	Subgroup	-	Dash Number	Material *	Treatment *
Generic	SP	.	XX	XXX	-	XXX	X	X
Example	SP	.	01	001	-	111	J	B

* For material and treatment refer to standard SP.00001

Standard Reference	ISO 4014 EN 24014 - DIN 931	Issue Date	27/11/2017
TUVASAS Standard	SP.01003	Rev. Date	07/11/2019
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	-	-	

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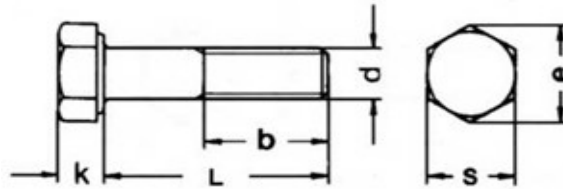


Dash Number :

d	M24	M27	M30	M33	M36	M39	M42	M45	M48
L									
60	200								
65	201								
70	202								
75	203								
80	204	220	240	384	407	430			
85	205	221	241	385	408	431			
90	206	222	242	386	409	432			
95	207	223	243	387	410	433			
100	208	224	244	388	411	434	453		
110	209	225	245	389	412	435	454		
120	210	226	246	390	413	436	455	472	489
130	211	227	247	391	414	437	456	473	490
140	212	228	248	392	415	438	457	474	491
150	213	229	249	393	416	439	458	475	492
160	214	230	250	394	417	440	459	476	493
170	358	367	376	395	418	441	460	477	494
180	215	231	251	396	419	442	461	478	495
190	359	368	377	397	420	443	462	479	496
200	216	232	252	398	421	444	463	480	497
210	360	369	378	399	422	445	464	481	498
220	217	233	253	400	423	446	465	482	499
230	361	370	254	401	424	447	466	483	500
240	362	371	379	402	425	448	467	484	501
250	363	372	380	403	426	449	468	485	502
260	364	373	381	404	427	450	469	486	503
280	365	374	382	405	428	451	470	487	504
300	366	375	383	406	429	452	471	488	505
310	506								
320	507		513						
330			514						
340	508		515		520				
350									
360	509	512	516		521				
370									
380	510		517						
390			518						
400	511		519		522				

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Standard Reference	ISO 4014 EN 24014 - DIN 931	Issue Date	27/11/2017
TUVASAS Standard	SP.01003	Rev. Date	07/11/2019
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Related Size :

d		M24	M27	M30	M33	M36	M39	M42	M45	M48
k	basic	15	17	19	21	23	25	26	28	30
	xxxx									
s	basic	36	41	46	50	55	60	65	70	75
	xxxx									
e	min.	39,98	47,34	53,11	-----	-----	-----	-----	-----	-----
	xxxx									

M24		
b	$l \leq 125$	54
	$125 < l \leq 200$	60
	$l > 200$	73

M33		
b	$l \leq 125$	72
	$125 < l \leq 200$	78
	$l > 200$	91

M42		
b	$l \leq 125$	90
	$125 < l \leq 200$	96
	$l > 200$	109

M27		
b	$l \leq 125$	60
	$125 < l \leq 200$	66
	$l > 200$	79

M36		
b	$l \leq 125$	78
	$125 < l \leq 200$	84
	$l > 200$	97

M45		
b	$l \leq 125$	96
	$125 < l \leq 200$	102
	$l > 200$	115

M30		
b	$l \leq 125$	66
	$125 < l \leq 200$	72
	$l > 200$	85

M39		
b	$l \leq 125$	84
	$125 < l \leq 200$	90
	$l > 200$	103

M48		
b	$l \leq 125$	102
	$125 < l \leq 200$	108
	$l > 200$	121

To create the complete part number for normalized item refer to the following table

TUVASAS Standard								
	Fix	.	Main Group	Subgroup	-	Dash Number	Material *	Treatment *
Generic	SP	.	XX	XXX	-	XXX	X	X
Example	SP	.	01	001	-	111	J	B

* For material and treatment refer to standard SP.00001

Standard Reference	ISO 4014 EN 24014 - DIN 931	Issue Date	27/11/2017
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