

Verbindungselemente



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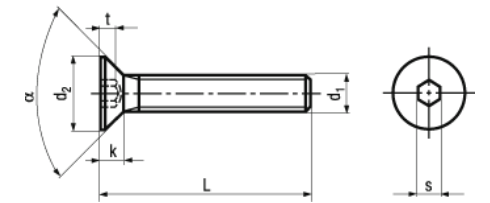
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Senkschraube mit Innensechskant

INOX A4

BN 4719

d1	M2	M2.5	M3	M4	M5	M6	M8			
d2	4	5	6	8	10	12	16			
k	1.2	1.5	1.7	2.3	2.8	3.3	4.4			
n										
t	0.75	0.8	1.2	1.8	2.3	2.5	3.3			
s	1.3	1.5	2	2.2	3	4	5			



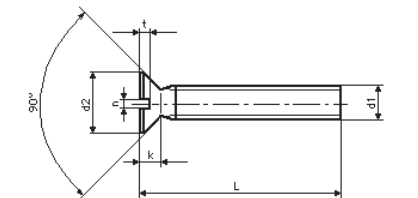
Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1																			
M1.2																			
M1.4																			
M1.6																			
M2			x	x	x	x	x	x	x										
M2.5			x		x	x	x	x	x	x									
M3					x	x	x	x	x	x	x								
M4					x	x	x	x	x	x	x					x			
M5						x	x	x	x	x	x			x		x	x		
M6								x	x	x	x			x		x	x		
M8									x	x	x			x			x		
M10																			
M12																			
M16																			
M20																			

Senkschraube mit Schlitz

INOX A2

BN 654

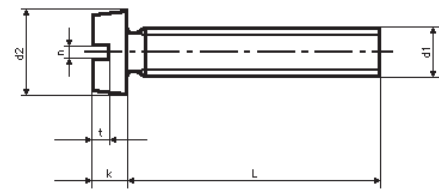
d1	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12
d2	3	3.8	4.7	5.6	7.5	9.2	11	14.5	18	22
k	0.96	1.2	1.5	1.65	2.2	2.5	3	4	5	6
n	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.5	3
t	0.32	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.4



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1																			
M1.2																			
M1.4																			
M1.6		x	x	x	x	x	x	x	x										
M2			x	x	x	x	x	x	x	x									
M2.5			x		x	x	x	x	x	x	x								
M3				x	x	x	x	x	x	x	x			x					
M4					x	x	x	x	x	x	x			x		x			
M5						x	x	x	x	x	x			x		x	x		
M6								x	x	x	x			x		x	x		
M8									x	x	x			x		x	x		
M10																			
M12																			
M16																			
M20																			

Zylinderschraube mit Schlitz INOX A2 BN 650

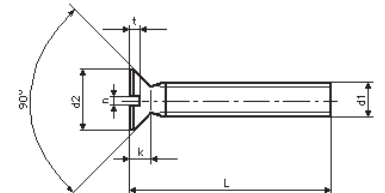
d1	M1	M1.2	M1.6	M2	M2.5	M3	M4	M5	M6	M8
d2	2	2.3	3	3.8	4.5	5.5	7	8.5	10	13
k	0.7	0.8	1	1.3	1.6	2	2.6	3.3	3.9	5
n	0.25	0.3	0.4	0.5	0.6	0.8	1	1.2	1.6	2
t	0.25	0.3	0.45	0.6	0.7	0.9	1.2	1.5	1.8	2.1



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1	x	x	x	x	x	x	x												
M1.2	x	x	x	x	x	x	x												
M1.4																			
M1.6	x	x	x	x	x	x	x	x	x										
M2			x	x	x	x	x	x	x	x									
M2.5		x		x	x	x	x	x	x	x									
M3				x	x	x	x	x	x	x	x			x					
M4					x	x	x	x	x	x	x	x		x					
M5						x	x	x	x	x	x	x		x		x			
M6							x	x	x	x	x	x		x		x			
M8								x	x	x	x	x		x		x			x
M10																			
M12																			
M16																			
M20																			

Senkschraube mit Schlitz verzinkt blau BN 357

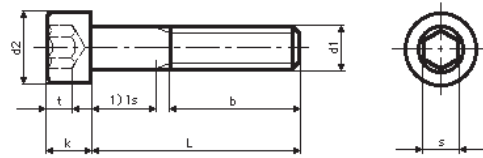
d1	M1.6	M2	M2.5	M3	M4	M5	M6	M8		
d2	3	3.8	4.7	5.6	7.5	9.2	11	14.5		
k	0.96	1.2	1.5	1.65	2.2	2.5	3	4		
n	0.4	0.5	0.6	0.8	1	1.2	1.6	2		
t	0.32	0.4	0.5	0.6	0.8	1	1.2	1.6		



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1																			
M1.2																			
M1.4																			
M1.6		x	x	x	x	x	x	x											
M2			x	x	x	x	x	x	x	x									
M2.5			x	x	x	x	x	x	x	x	x								
M3				x	x	x	x	x	x	x	x	x							
M4					x	x	x	x	x	x	x	x		x					
M5						x	x	x	x	x	x	x		x		x			x
M6							x			x	x	x		x	x	x			x
M8										x	x	x		x		x			
M10																			
M12																			
M16																			
M20																			

Zylinderschraube mit Innensechskant INOX A2 BN 610

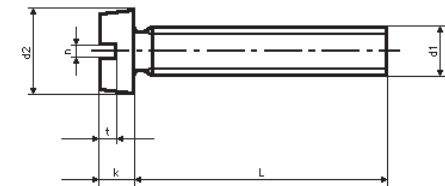
d1	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16
d2	3.8	4.5	5.5	7	8.5	10	13	16	18	24
k	2	2.5	3	4	5	6	8	10	12	16
t	1	1.1	1.3	2	2.5	3	4	5	6	8



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1																			
M1.2																			
M1.4																			
M1.6																			
M2		x	x	x	x	x	x	x	x										
M2.5				x	x	x	x	x	x	x									
M3			x		x	x	x	x	x	x	x								
M4					x	x	x	x	x	x	x	x		x					
M5						x	x	x	x	x	x	x		x					
M6							x	x	x	x	x	x		x		x			
M8								x	x	x	x	x		x		x			x
M10									x	x	x			x		x			x
M12											x			x		x			
M16																			
M20																			

Zylinderschraube mit Schlitz verzinkt blau BN 330

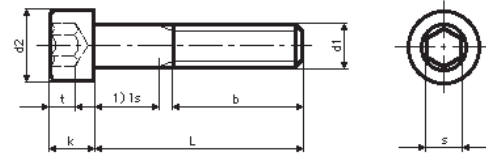
d1	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	
d2	3	3.8	4.5	5.5	7	8.5	10	13	16	
k	1	1.3	1.6	2	2.6	3.3	3.9	5	6	
n	0.4	0.5	0.6	0.8	1.2	1.2	1.6	2	2.5	
t	0.45	0.6	0.7	0.85	1.1	1.3	1.6	2	2.4	



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1																			
M1.2																			
M1.4																			
M1.6		x	x	x	x	x	x	x											
M2			x	x	x	x	x	x	x	x	x								
M2.5			x	x	x	x	x	x	x	x	x								
M3			x	x	x	x	x	x	x	x	x			x		x			
M4					x	x	x	x	x	x	x	x		x		x	x		
M5						x	x	x	x	x	x	x		x		x	x		x
M6							x	x	x	x	x	x		x	x	x			
M8										x	x	x		x	x	x			
M10																			
M12																			
M16																			
M20																			

Zylinderschraube mit Innensechskant verzinkt blau BN 3/11

d1	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16
d2	3.8	4.5	5.5	7	8.5	10	13	16	18	24
k	2	2.5	3	4	5	6	8	10	12	16
t	1	1.1	1.3	2	2.5	3	4	5	6	8

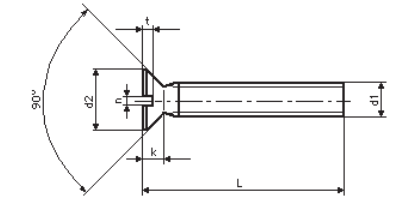


Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1																			
M1.2																			
M1.4																			
M1.6																			
M2			x		x	x	x												
M2.5			x		x	x	x	x											
M3					x	x	x	x	x	x	x	x							
M4					x	x	x	x	x	x	x	x	x	x					
M5						x	x	x	x	x	x	x	x	x	x	x			
M6							x	x	x	x	x	x	x	x		x	x	x	x
M8								x	x	x	x	x	x	x		x	x	x	x
M10									x	x	x	x	x	x		x	x		x
M12										x	x		x		x	x	x	x	x
M16											x		x			x			x
M20																			

Senkschraube mit Schlitz Messing BN 537

Messing BN 537

d1	M1	M1.2	M1.6	M2	M2.5	M3	M4	M5	M6	M8
d2	1.9	2.3	3	3.8	4.7	5.6	7.5	9.2	11	14.5
k	0.6	0.72	0.96	1.2	1.5	1.65	2.2	2.5	3	4
n	0.2	0.3	0.4	0.5	0.6	0.8	1	1.2	1.6	2
t	0.2	0.25	0.32	0.4	0.5	0.6	0.8	1	1.2	1.6

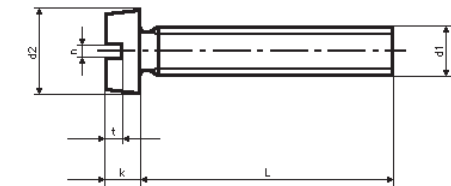


Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1		x	x	x	x														
M1.2	x	x	x	x	x	x													
M1.4																			
M1.6		x	x	x	x	x													
M2		x	x	x	x	x	x	x	x	x	x								
M2.5			x	x	x	x	x	x	x	x	x	x							
M3				x	x	x	x	x	x	x	x	x	x	x					
M4					x	x	x	x	x	x	x	x	x	x	x				
M5						x	x	x	x	x	x	x	x	x	x				
M6								x		x	x	x		x		x			
M8										x	x				x				
M10														x					
M12																			
M16																			
M20																			

Zylinderschraube mit Schlitz Messing BN 532

Messing BN 532

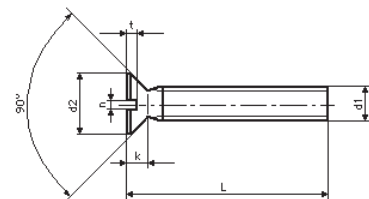
d1	M1	M1.2	M1.6	M2	M2.5	M3	M4	M5	M6	M8
d2	2	2.3	3	3.8	4.5	5.5	7	8.5	10	13
k	0.7	0.8	1	1.3	1.6	2	2.6	3.3	3.9	5
n	0.25	0.3	0.4	0.5	0.6	0.8	1.2	1.2	1.6	2
t	0.25	0.3	0.45	0.6	0.7	0.85	1.1	1.3	1.6	2



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1		x	x	x	x	x													
M1.2		x	x	x	x	x													
M1.4																			
M1.6		x	x	x	x	x	x	x											
M2			x	x	x	x	x	x	x	x									
M2.5				x	x	x	x	x	x	x	x								
M3			x	x	x	x	x	x	x	x	x	x		x	x				
M4					x	x	x	x	x	x	x	x	x	x		x			
M5					x	x	x	x	x	x	x	x		x		x			
M6								x		x	x	x		x	x	x			
M8										x	x	x		x					
M10																			
M12																			
M16																			
M20																			

Senkschraube mit Schlitz PA 6.6 BN 1066

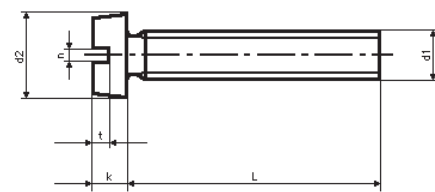
d1	M	M	M	M	M	M												
d2	5.6	7.5	9.2	11	14.5	18												
k	1.65	2.2	2.5	3	4	5												
n	0.8	1	1.2	1.6	2	2.5												
t	0.6	0.8	1	1.2	1.6	2												



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80	
M1																				
M1.2																				
M1.4																				
M1.6																				
M2																				
M2.5																				
M3						x	x	x	x	x	x									
M4							x	x	x	x	x	x								
M5								x		x	x	x								
M6									x		x								x	
M8										x						x			x	
M10																				
M12																				
M16																				
M20																				

Zylinderschraube mit Schlitz PA 6.6 BN 1061

d1	M3	M4	M5	M6	M8	M10												
d2	5.5	7	8.5	10	13	16												
k	2	2.6	3.3	3.9	5	6												
n	0.8	1.2	1.2	1.6	2	2.5												
t	0.85	1.1	1.3	1.6	2	2.4												



Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80	
M1																				
M1.2																				
M1.4																				
M1.6																				
M2																				
M2.5																				
M3							x	x	x	x	x									
M4								x	x	x	x									
M5									x		x	x								
M6										x										
M8											x									
M10																				
M12																				
M16																				
M20																				

Mutter INOX A2 BN 628

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
x		x	x	x	x	x	x	x	x	x	x	x					

U Scheiben INOX A2 BN 670

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
x	x	x	x	x	x	x	x	x	x	x	x	x					

Mutter verzinkt blau BN109/117

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
				x	x	x	x	x	x	x	x	x		x		x	

Sicherungsmutter verzinkt blau BN 161

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
				x	x	x	x	x	x	x	x						

Einpressmutter verzinkt blau BN 201

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
				x	x	x	x	x	x								

U Scheiben verzinkt blau BN 715

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
				x	x	x	x	x	x	x	x	x	x	x			x

Mutter blank Messing BN 504

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
x	x		x	x	x	x	x	x	x	x	x	x					

Mutter vernikelt Messing BN 505

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
				x	x	x	x	x	x	x	x	x		x			

U Scheiben blank Messing BN 565

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
x	x		x	x	x	x	x	x	x	x	x	x					

U Scheiben vernikelt Messing BN 566

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
				x	x	x	x	x	x	x	x	x		x		x	

Mutter PA 6.6 BN 81

M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
						x	x	x	x	x							

U Scheiben PA 6.6 BN 1074

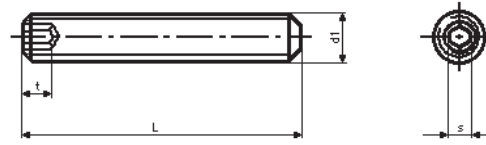
M1	M1.2	M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24
						x	x	x	x	x							

Gewindestifte mit Innensechskant

INOX A2

BN 617

d1	M2	M2.5	M3	M4	M5	M6	M8	M10		
s	0.9	1.3	1.5	2	2.5	3	4	5		



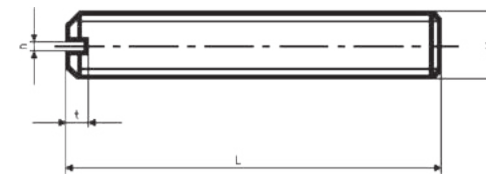
Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M1.6																			
M2	x	x		x		x	x	x											
M2.5		x	x	x	x	x	x	x	x										
M3		x	x		x	x	x	x	x										
M4			x		x	x	x	x	x	x									
M5				x	x	x	x	x	x	x									
M6					x	x	x		x	x	x								
M8							x		x	x		x							
M10								x		x		x							
M12																			

Gewindestift mit Schlitz

Messing

BN 1406

d1	M2	M2.5	M3	M4	M5	M6	M8		
n	0.25	0.4	0.4	0.6	0.8	1	1.2		
t	0.64	0.72	0.8	1.12	1.28	1.6	2		



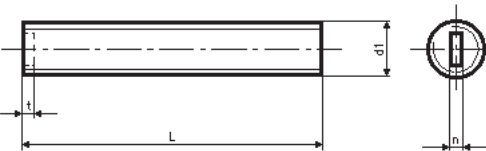
Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M2		x		x		x													
M2.5			x		x	x	x												
M3			x		x	x	x												
M4				x	x	x	x	x											
M5					x	x	x	x	x										
M6						x	x		x	x									
M8							x		x	x									

Gewindestift mit Schlitz

PA 6.6

BN 1073

d1	M4	M5	M6	M8					
t	0.64	0.72	0.8	1.12					



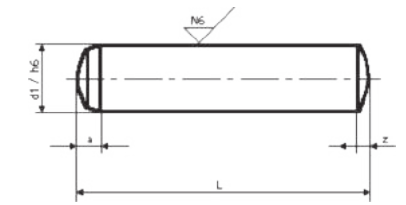
Länge	2	3	4	5	6	8	10	12	16	20	25	30	35	40	45	50	60	70	80
M4				x	x	x	x	x											
M5					x	x	x	x	x										
M6						x	x		x	x									
M8								x		x									

Zylinderstifte h6

Stahl

BN 858

d1	1	1.5	2	2.5	3	4	5	6	8	10
a	0.48	0.62	0.78	0.95	1.1	1.4	1.7	2.1	2.6	3
z	0.15	0.23	0.3	0.4	0.45	0.6	0.75	0.9	1.2	1.5



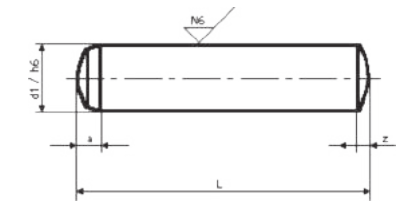
Länge	4	5	6	8	10	12	16	20	24	30	35	40	45	50	60	70	80	100	120
1	x	x	x	x	x	x													
1.5			x	x	x	x	x	x											
2		x	x	x	x	x	x	x		x									
2.5			x	x	x	x	x	x	x	x									
3			x	x	x	x	x	x	x	x		x							
4				x	x	x	x	x	x	x		x		x					
5						x	x	x	x	x		x		x	x				
6									x		x	x		x	x			x	
8										x		x		x	x			x	
10														x				x	x

Zylinderstifte m6

Stahl

BN 858

d1	1	1.5	2	2.5	3	4	5	6	8	10
a	0.48	0.62	0.78	0.95	1.1	1.4	1.7	2.1	2.6	3
z	0.15	0.23	0.3	0.4	0.45	0.6	0.75	0.9	1.2	1.5



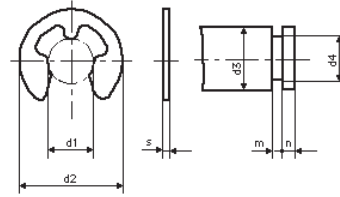
Länge	4	5	6	8	10	12	16	20	24	30	35	40	45	50	60	70	80	100	120
1	x	x	x	x	x	x													
1.5			x	x	x	x	x	x											
2		x	x	x	x	x	x	x		x									
2.5			x	x	x	x	x	x	x	x									
3			x	x	x	x	x	x	x	x		x							
4				x	x	x	x	x	x	x		x		x					
5						x	x	x	x	x		x		x	x				
6									x		x	x		x	x			x	
8										x		x		x	x			x	
10														x				x	x

Sicherugsscheiben für Wellen

INOX

BN 681

d4 (h11)	0.8	1.2	1.5	1.9	2.3	3.2	4	5	6	7	8	9	10
d3 von	1	1.4	2	2.5	3	4	5	6	7	8	9	10	11
bis	1.4	2	2.5	3	4	5	7	8	9	11	12	14	15
n													
m	0.24	0.34	0.44	0.54	0.64	0.64	0.74	0.74	0.74	0.94	1.05	1.15	1.25
												+0.05/0	+0.08/0



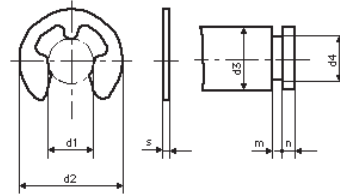
Ød1	1.2	1.5	1.9	2.3	3.2	4	5	6	7	8	9
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Sicherugsscheiben für Wellen

Federbronze

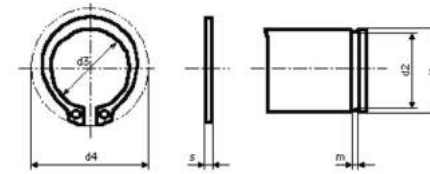
BN 592

d4 (h11)	0.8	1.2	1.5	1.9	2.3	3.2	4	5	6	7	8	9	10
d3 von	1	1.4	2	2.5	3	4	5	6	7	8	9	10	11
bis	1.4	2	2.5	3	4	5	7	8	9	11	12	14	15
n													
m	0.24	0.34	0.44	0.54	0.64	0.64	0.74	0.74	0.74	0.94	1.05	1.15	1.25
												+0.05/0	+0.08/0



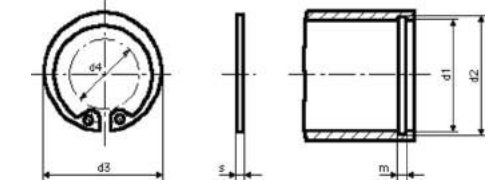
Ød1	0.8	1.2	1.5	1.9	2.3	3.2	4	5	6	7	8	9
-----	-----	-----	-----	-----	-----	-----	---	---	---	---	---	---

Sicherungsringe für Wellen



Wellen - Ø d1	d3	Tol.	d4 gesp.	s h11	d2	Tol.	m H13	d1INOX BN 682
3	2.7	+0.04	7	0.4	2.8		0.5	3
4	3.7	-0.15	8.6	0.4	3.8	h10	0.5	
5	4.7		10.3	0.6	4.8		0.7	4
6	5.6		11.7	0.7	5.7		0.8	
7	6.5	+0.06	13.5	0.8	6.7		0.9	6
8	7.4	-0.18	14.7	0.8	7.6		0.9	
9	8.4		16	1	8.6		1.1	8
10	9.3		17	1	9.6		1.1	
11	10.2	+0.1	18	1	10.5	h11	1.1	10
12	11	-0.36	19	1	11.5		1.1	
13	11.9		20.2	1	12.4		1.1	12
14	12.9		21.4	1	13.4		1.1	
15	13.8		22.6	1	14.3		1.1	14
16	14.7		23.8	1	15.2		1.1	
17	15.7		25	1	16.2		1.1	15
18	16.5		26.2	1.2	17		1.3	
19	17.5		27.2	1.2	18		1.3	16
20	18.5		28.4	1.2	19		1.3	
21	19.5	+0.13	29.6	1.2	20		1.3	18
22	20.5	-0.42	30.8	1.2	21		1.3	
(23)	21.5		32.6	1.2	22		1.3	20
24	22.2	+0.21	33.2	1.2	22.9	h12	1.3	
25	23.2	-0.42	34.2	1.2	23.9		1.3	22
26	24.2		35.5	1.2	24.9		1.3	
(27)	24.9		37.2	1.2	25.6		1.3	24
28	25.9		37.9	1.5	26.6		1.6	
29	26.9		39.1	1.5	27.6		1.6	25
30	27.9		40.5	1.5	28.6		1.6	
32	29.6		43	1.5	30.3		1.6	26
(33)	36.5		44.4	1.5	31.3		1.6	d1Stahl BN 819
34	31.5	+0.25	45.4	1.5	32.3		1.6	28
	32.2	-0.5	46.8	1.5	33		1.6	
35	33.2		47.8	1.75	34		1.6	30
36	34.2		49.4	1.75	35		1.6	
(37)	34.2		50.2	1.75	36		1.85	32
38	35.2		52.6	1.75	37.5		1.85	
39	36	+0.39	55.7	1.75	39.5		1.85	36
40	36.5	-0.9	55.7	1.75	41.5		1.85	
42	38.5		59.1	1.75	42.5		1.85	40
44	40.5		62.5	1.75	45.5		1.85	
45	41.5		64.5	2	47		1.85	d1Stahl BN 818
48	44.5		70.2	2	52		2.15	60
50	45.8		75.6	2	57		2.15	
55	50.8	+0.46	87	2.5	67		2.65	60
60	55.8	-1.1	92.7	2.5	72		2.65	
70	65.5		98.1	2.5	76.5		2.65	60
75	70.5							
80	74.5							
100	94.5	+0.54/-1.3	120.2	3	96.5		3.15	

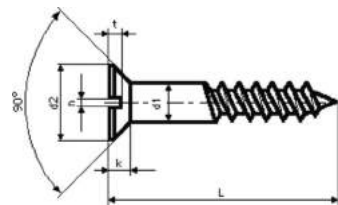
Sicherungsringe für Bohrungen



d1INOX BN 683	Bohrung - Ø d1	d3	Tol.	s	d2	Tol.	m H13
8	8	8.7	+0.36	0.8	8.4	H11	0.9
	9	9.8	-0.1		9.4		
9	10	10.8			10.4		1.1
	11	11.8			11.4		
10	12	13			12.5		
	13	14.1			13.6		
12	14	15.1			14.6		
	15	16.2			15.7		
14	16	17.3			16.8		
	17	18.3	+0.42		17.8		
15	18	19.5	-0.13	1	19		
	19	20.5			20		
16	20	21.5			21		
	21	22.5			22		
18	22	23.5			23		
	23	24.6	+0.42		24.1		
20	(23)	24.6	-0.21	1.2	25.2		1.3
	24	25.9			26.2		
24	24	25.9			27.2		
	25	26.9			28.4		
25	26	27.9			29.4		
	26	29.1	+0.5		31.4		
d1Stahl BN 823	(27)	29.1	-0.25	1.5	33.7		1.6
	28	30.1			34.7		
28	30	32.1			35.7		
	33	35.5			37		
34	34	36.5			38		
	35	37.8			39		
36	36	38.8			40		
	37	39.8			42.5		1.85
40	38	40.8			44.5		
	40	43.5	+0.9	1.75	46.5		
	42	45.5	-0.39		47.5		
	44	47.5			49.5		
	45	48.5			50.5		
	47	50.5	+1.1		53		2.15
	48	51.5	-0.46	2	55		
	50	54.2			58		
	52	56.2			63		
	55	59.2			65		
	60	64.2			68		2.65
	62	66.2			71		
	65	69.2		2.5	73		
	68	72.2			78		
	70	74.5			81		
	75	79.5			83.5		
	78	82.5	+1.3		88.5		3.15
	80	85.5	-0.54	3	93.5		
	85	90.5			98.8		
	90	95.5			103.5		
	95	100.2					
	100	105.5					

Senk-Holzschraube mit Schlitz verzinkt blau BN 391

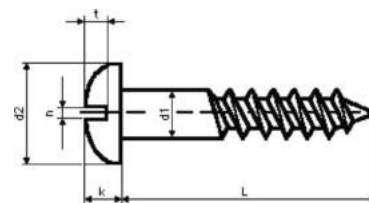
d1	1.4	2																		
d2	2.8	4																		
k	0.8	1.2																		
n	0.4	0.6																		
t	0.4	0.5																		



Länge	2	3	4	5	7	8	10	12	15	20	25	30	35	40	45	50	60	70	80	
M1.4					x		x		x											
M1.6																				
M2					x		x		x	x										

Halbrund-Holzschraube mit Schlitz verzinkt blau BN 326

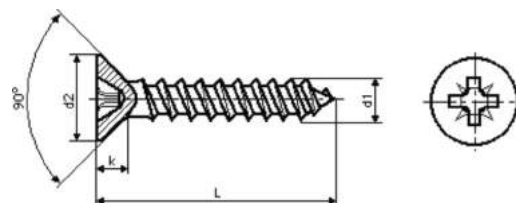
d1	1.4	2	2.6																	
d2	2.8	4	5.2																	
k	1	1.4	1.8																	
n	0.4	0.6	0.8																	
t	0.5	0.6	1																	



Länge	2	3	4	5	7	8	10	12	15	20	25	30	35	40	45	50	60	70	80	
M1.4					x		x													
M1.6																				
M2					x		x		x	x										
M2.6							x		x	x	x									

Senk-Spanplattenschrauben verzinkt blau BN 1218

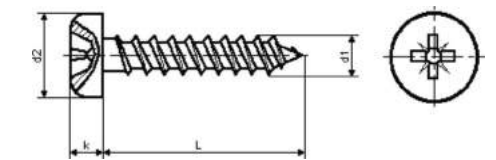
d1	2.5	3	3.5	4	4.5	5	6													
d2	5	6	7	8	8.8	9.7	11.6													
k	1.2	1.8	2.1	2.4	2.7	2.9	3.4													
n																				
t																				



Länge	2	3	4	5	7	8	10	12	16	20	25	30	35	40	45	50	60	70	80	
M2.5							x	x	x	x	x	x								
M3								x	x	x	x	x		x						
M3.5								x	x	x	x	x		x						
M4							x		x	x	x									
M5										x	x	x		x		x				
M6														x		x	x			

Pan Head Spanplattenschraube verzinkt blau BN 615

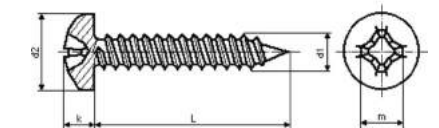
d1	3	3.5	4	5	6															
d2	6	7	8	8.9	11.8															
k	2.5	2.6	2.9	3.2	4.1															
n																				
t																				



Länge	2	3	4	5	7	8	10	12	16	20	25	30	35	40	45	50	60	70	80	
M3								x	x	x	x	x								
M3.5								x	x	x	x	x		x						
M4								x	x	x	x	x		x						
M5									x	x	x	x		x						
M6														x		x	x			

Linsen-Blechschauben verzinkt blau BN 994

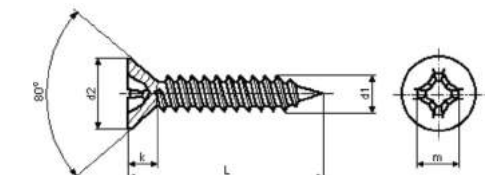
d1	2.2	2.9	3.5	4.2	4.8															
d2	4.2	5.6	6.9	8.2	9.5															
k	1.8	2.2	2.6	3.05	3.55															
n																				
t																				



Länge	2	3	4.5	5	6.5	8	9.5	13	16	19	25	30	35	40	45	50	60	70	80	
d2.2			x		x															
d2.9					x		x	x	x											
d3.5							x	x	x											
d4.2							x	x		x										
d4.8											x									

Senk-Blechschaube verzinkt blau BN 995

d1	2.2	2.9	3.5	4.2	4.8															
d2	4.3	5.5	6.8	8.1	9.5															
k	1.3	1.7	2.1	2.5	3															
n																				
t																				



Länge	2	3	4.5	5	6.5	8	9.5	13	16	19	25	30	35	40	45	50	60	70	80	
d2.2			x		x															
d2.9					x		x	x	x											
d3.5							x	x	x											
d4.2							x	x		x										
d4.8											x									

Rändelhauben Zylinderschrauben

Delrin

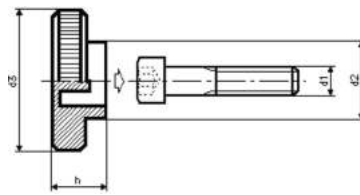
BN 412/238

d1	M3	M4	M5	M6K	M8K
d2	8	9	11	13	15
d3	9.5	12.5	16	19	25
h	5	5.5	6	8	9

BN 412 schwarz

d1	M3	M4	M5	M6K	M8K
d2	8	9	11	13	15
d3	9.5	12.5	16	19	25
h	5	5.5	6	8	9

BN 238 rot

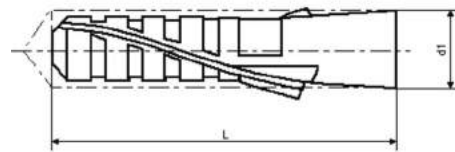


Spiral Dübel Delta

Nylon

BN 309

d1	M4	M5	M6	M7	M8	M10	M12
B Ø	4	5	6	7	8	10	12
L	19	24	29	34	38	48	58

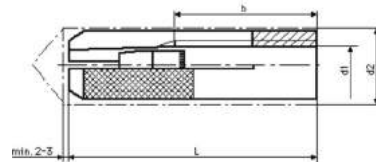


Upat Metrisch Dübel

Messing

BN 4731

d1	M4	M5	M6	M8	M10
d2 Ø	5.5	7	8	11	14
L	18	23	26	35	43
b	11	15	17	23	28

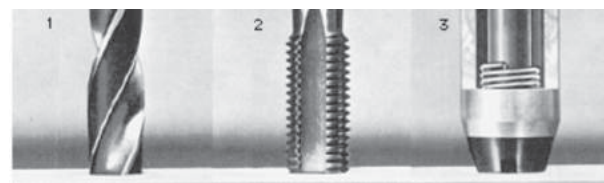
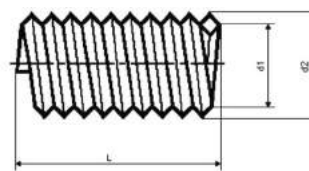


Gewinde Einsätze

INOX A2

BN 910

d1	M3	M4	M5	M6	M8	M10
d2 Ø	3.2	4.2	5.2	6.3	8.4	10.5
L	3/6	4/8	5/10	6/12	8/16	10/12 20
d2	3.8-4	5.15-5.35	6.35-6.6	7.6-7.85	9.85-10.1	12.1-15.2



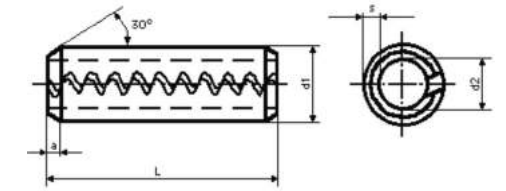
Aufbohren Gewindeschneiden Einbau

Schwerspannstifte

INOX

BN 686

Nenn Ø	1	1.5	2	2.5	3	4	5	6	8	10
d1	1.2	1.7	2.2	2.8	3.2	4.3	5.3	6.3	8.4	10.5
d2	0.8	1.1	1.4	1.7	2	2.8	3.3	3.8	5.4	6.5
s	0.2	0.3	0.4	0.5	0.6	0.75	1	1.25	1.5	2



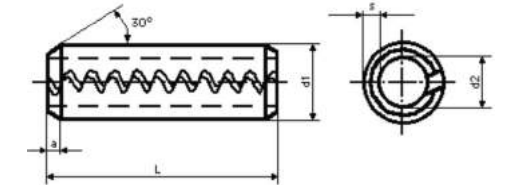
Länge	2	3	4	5	6	8	10	14	16	20	24	30	35	40	45	50	60	70	80	
d1			x		x	x														
D1.5					x	x	x		x	x										
d2					x		x	x		x	x	x								
D2.5					x		x	x		x	x	x								
d3							x	x		x		x		x						
d4								x		x		x		x		x				
d5									x		x		x		x		x			
d6												x		x		x	x			

Schwerspannstifte solange Vorrat!

Federstahl

BN.....

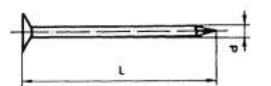
Nenn Ø	1	1.5	2	2.5	3	4	5	6	8	10
d1	1.2	1.7	2.2	2.8	3.2	4.3	5.3	6.3	8.4	10.5
d2	0.8	1.1	1.4	1.7	2	2.8	3.3	3.8	5.4	6.5
s	0.2	0.3	0.4	0.5	0.6	0.75	1	1.25	1.5	2



Länge	2	3	4	5	6	8	12	14	16	20	25	30	35	40	45	50	60	70	80	
d1							x													
D1.5										x										
d2									x	x	x	x								
d3										x		x								
d4										x		x		x						
d5										x		x		x		x				
d6												x	x	x		x				

Länge	5	10	15	18	20	25	30	40	50	60	70	80	90	120
0.8			x											
1		x	x											
1.2				x	x									
1.4					x	x	x	x						
1.6							x							
2							x							
2.5								x	x					
2.8											x			
3.1												x		
3.5													x	
4.5														x
2			x		x	x	x	x	x	x				

Nägel für Holz

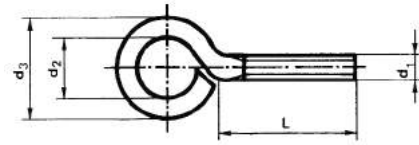


Stahlstifte nur d2

Ringschraube

verzinkt blau BN 1006

d1	M3	M4	M5	M6	M8					
d2	5	6	8	8	10					
d2	11	14	18	20	26					

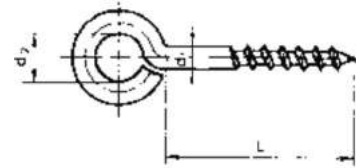


Länge	2	3	4	5	6	8	10	12	15	20	25	30	35	40	45	50	60	70	80	
M3							x		x	x		x								
M4									x	x		x		x						
M5										x		x		x						
M6										x				x						x
M8												x		x		x	x			

Ringholzschraube

verzinkt BN 1006

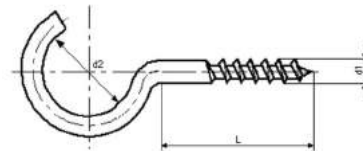
d1	2.3	3	3.5	4	7
d2 Ø	5	4-6	5-7	8	14
L	10	12	15/24	20	45



Haken-Holzschraub

verzinkt BN 973

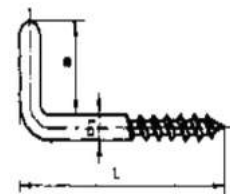
d1	2.6	3.5	5
d2	8	20	25
L	10	22	60



Winkel-Holzschraub

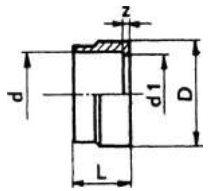
verzinkt BN 974

d1	2.6	3	4	5
a	10	12	14	18
L	25	35	48	100



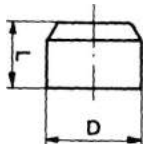
Serto Klemmring

Ausführung	Nummer	D	L	z	d1
6mm	16562	8.4	6.0	1.2	4
8mm	16064	11	7.0	1.0	7



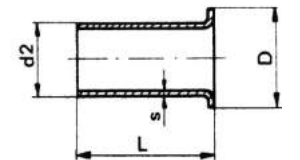
Serto Abschlusszapfen

Ausführung	Nummer	D	L
6mm	16582	8.4	10
8mm	16104	10	7.0



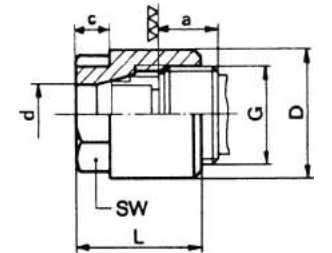
Serto Stützhülsen

Ausführung	Nummer	D	L	d2	d1
6mm	16122	5.5	10	3.95	0.2
6mm	16123	5.5	10	4.35	0.2
8mm	16125	7.5	12	5.9	0.25



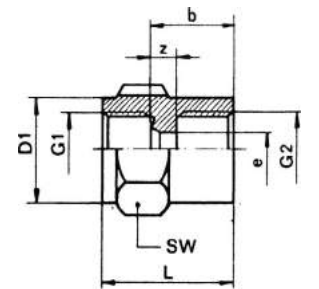
Serto Anschlussmutter

Ausführung	Nummer	D	L	a	c	SW	G
6mm	16017	12	16.5	8	8.5	12	G1/8"
8mm	16023	17	19	8.5	6	14	G1/4"



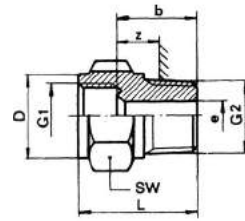
Serto Anschlussmutter

Ausführung	Nummer	D1	L	e	z	SW	b	G1	G2
	16300	14	22	4	4.5	14	14.5	G1/8"	G1/8"
	16304	17	22.5	6	4.5	17	14.5	G1/2"	G1/8"
	16302	22	25	4	5.5	22	17.5	G1/8"	G3/8"
	16313	26.8	28	10	5.5	27	17.5	G1/2"	G3/8"



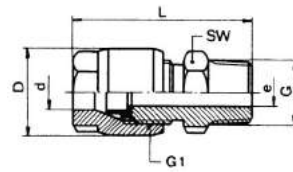
Serto Übergansnippel

Ausführung	Nummer	D1	L	e	z	SW	b	G1	G2
	16402	17	24	4	6.5	17	16.5	G1/8"	G3/8"
	16404	17	20	5	5.5	17	12	G1/4"	G1/8"
	16400	13	18	4	4	14	10.5	G1/8"	G1/8"
	16409	21	26	8	7.5	22	17.5	G3/8"	G3/8"
	16408	21	26	8	7.5	22	17.5	G3/8"	G1/4"
	16402	17	24	4	6.5	17	16.5	G1/8"	G3/8"



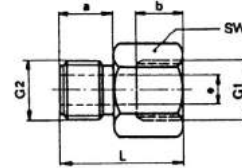
Serto Aussengewindeverschraubung

Ausführung	Nummer	D1	L	e	SW	b	G1	G
8mm	17162	17	41.5	6.4	17	14.5	G1/4"	G3/8"
8mm	17163	17	44.5	6.4	22	14.5	G1/4"	G1/2"



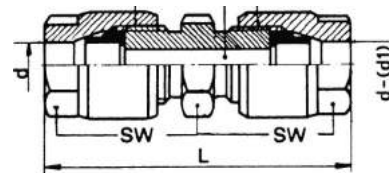
Serto Innengewinde-Nippel

Ausführung	Nummer	L	e	a	SW	b	G1	G2
	17279	30	8.5	11.5	27	14	G1/2"	G3/8"
	17276	29.5	6.4	11	27	14	G1/2"	G1/4"



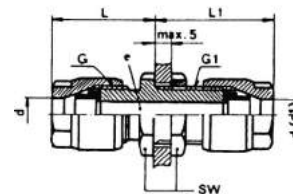
Serto Doppelverschraubung

Ausführung	Nummer	L	e	SW	G1	G
6mm	17052	44	4	12	G1/8"	G1/8"
8mm	17053	51	6	14	G1/4"	G1/4"



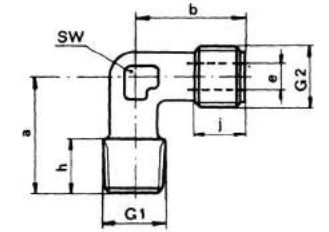
Serto Schotterverschraubung

Ausführung	Nummer	L	e	SW	G1	G2
6mm	17422	29	4	14	G1/8"	G1/8"
8mm	17423	33	6.4	19	G1/4"	G1/4"



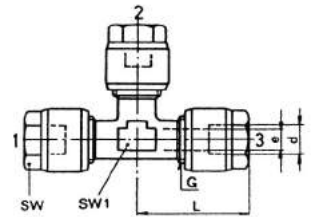
Serto Gewindewinkel

Ausführung	Nummer	a	h	e	j	SW	b	G1	G2
	18154	26	12.5	6	9	14	23	G3/8"	G1/4"
	18158	26	12	7	11.5	17	26.5	G1/4"	G1/2"
	18161	34.5	17	12	11.5	22	31.5	G3/4"	G1/2"



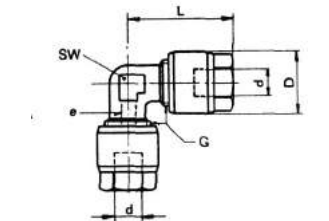
Serto T-Rohrverschraubung

Ausführung	Nummer	L	e	SW1	SW	G
6mm	19053	28	4	10	12	G1/8"
8mm	19054	32.5	6	11	14	G1/4"



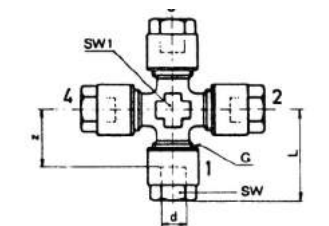
Serto Winkel-Verschraubung

Ausführung	Nummer	L	D	e	SW1	G
6mm	1802	28	12	4	10	G1/8"
8mm	1803	32.5	17	6	11	G1/4"



Serto Kreuzstück

Ausführung	Nummer	L	z	SW	SW1	G
6mm	19302	28	20	12	10	G1/8"
8mm	19303	32.5	22	14	11	G1/4"



Serto Doppelnippel

Ausführung	Nummer	L	e	b	a	SW	G1	G2
	17100	24	4	8	10	12	G1/8"	G1/8"
	17108	30.5	8.4	12	12	17	G3/8"	G3/8"

