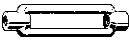
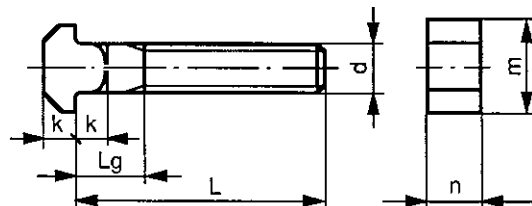


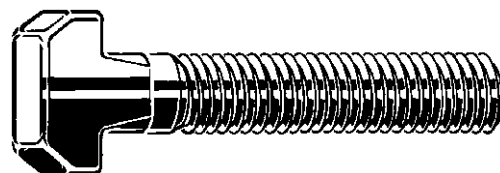
Articole cu ochi & cârlige⁵

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 Pag. 5-21 Cheie tachelaj inox largă	 Pag. 5-22 Cheie tachelaj oțel largă	 Pag. 5-23 Cheie tachelaj Omega oțel	 Pag. 5-24 Cheie tachelaj Omega inox	 Pag. 5-25 DIN 741/555 (1987) Bridă fixare cabluri oțel
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 Pag. 5-38 Prezon combinat oțel inoxidabil	 Pag. 5-38 Prezon combinat oțel inoxidabil cu hexagon	 Pag. 5-39 Prezon combinat oțel inoxidabil cu hexagon extra lung	 Pag. 5-40 Prezon combinat oțel cu hexagon & locaş hexalobular	 Pag. 5-41 Cârlig suspendare holşşurub
 Pag. 5-42 Cârlig suspendare metric	 Pag. 5-42 Inele suspendare	 Pag. 5-43 Ansamblu cârlig poartă	 Pag. 5-43 Cârlig S	

Șurub profil T cu gât pătrat



DIN 186 B
NEN 2309



Date tehnice

d	k	Lg (max.)	m	n	P
M8	5.5	13	18	8	1.25
M10	7	16	21	10	1.5
M12	8	19	26	12	1.75
M16	10.5	25	30	16	2
M20	13	31	36	20	2.5
M24	15	37	43	24	3
M27 (#DIN)	18	40	48	27	3
M30	19	43	54	30	3.5

- Pentru mărimile sloturilor T, vezi DIN 649.

Grupe de articole

Filete	Material	Clasă	Cod	Pag.
M	Oțel	≥3.6	16190	5-2
M	INOX A4		55782	5-2

16190 Șurub profil T cu gât pătrat

F11D

Filete Filet metric
Material Oțel
Clasă ≥3.6



d x L	☒	d x L	☒	d x L	☒			
M8X30	25	16190.080.030	M16X40	10	16190.160.040	M20X180	5	16190.200.180
M8X40	25	16190.080.040	M16X50	10	16190.160.050	M20X200	5	16190.200.200
M8X50	25	16190.080.050	M16X60	10	16190.160.060			
M8X60	25	16190.080.060	M16X70	10	16190.160.070	M24X60	5	16190.240.060
			M16X80	10	16190.160.080	M24X70	5	16190.240.070
M10X30	25	16190.100.030	M16X90	10	16190.160.090	M24X80	5	16190.240.080
M10X40	25	16190.100.040	M16X100	10	16190.160.100	M24X90	5	16190.240.090
M10X50	25	16190.100.050	M16X110	10	16190.160.110	M24X100	5	16190.240.100
M10X60	25	16190.100.060	M16X120	10	16190.160.120	M24X110	5	16190.240.110
M10X70	25	16190.100.070	M16X140	10	16190.160.140	M24X120	5	16190.240.120
			M16X160	10	16190.160.160	M24X140	5	16190.240.140
M12X30	10	16190.120.030	M16X180	10	16190.160.180	M24X160	5	16190.240.160
M12X40	10	16190.120.040	M16X200	10	16190.160.200	M24X180	5	16190.240.180
M12X50	10	16190.120.050				M24X200	5	16190.240.200
M12X60	10	16190.120.060	M20X50	5	16190.200.050			
M12X70	10	16190.120.070	M20X60	5	16190.200.060	M30X90	3	16190.300.090
M12X80	10	16190.120.080	M20X70	5	16190.200.070	M30X100	3	16190.300.100
M12X90	10	16190.120.090	M20X80	5	16190.200.080	M30X110	3	16190.300.110
M12X100	10	16190.120.100	M20X90	5	16190.200.090	M30X120	3	16190.300.120
M12X110	10	16190.120.110	M20X100	5	16190.200.100	M30X130	3	16190.300.130
M12X120	10	16190.120.120	M20X110	5	16190.200.110	M30X140	3	16190.300.140
M12X140	10	16190.120.140	M20X120	5	16190.200.120	M30X160	3	16190.300.160
M12X160	10	16190.120.160	M20X140	5	16190.200.140	M30X200	3	16190.300.200
			M20X160	5	16190.200.160	M30X260	3	16190.300.260

55782 Șurub profil T cu gât pătrat

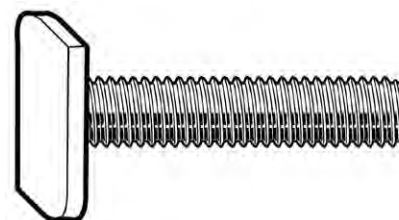
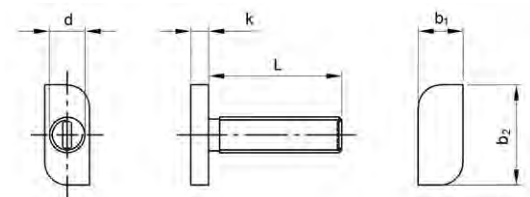
R49A

Filete Filet metric
Material Oțel inoxidabil A4



d x L	☒		d x L	☒		d x L	☒	
M8X30	10	55782.080.030	M10X70	10	55782.100.070	M16X50	5	55782.160.050
M8X40	10	55782.080.040				M16X70	5	55782.160.070
M8X50	10	55782.080.050	M12X40	5	55782.120.040	M16X80	5	55782.160.080
M8X60	10	55782.080.060	M12X60	5	55782.120.060	M16X100	5	55782.160.100
			M12X70	5	55782.120.070			
M10X30	10	55782.100.030	M12X90	5	55782.120.090	M20X70	3	55782.200.070
M10X40	10	55782.100.040	M12X100	5	55782.120.100	M20X100	3	55782.200.100
M10X50	10	55782.100.050						

Șurub profil T 28/15



Date tehnice

Tip	b ₁	b ₂	k
M8	10	22.5	4
M10	10	22.5	4.5

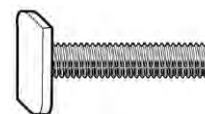
Grupe de articole

Filete	Material	Cod	Pag.
M	INOX A2	51740	5-3
M	INOX A4	55740	5-3

51740 Șurub profil T 28/15

R09A

Filete Filet metric
Material Oțel inoxidabil A2

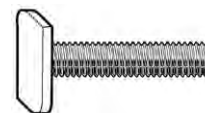


d x L	☒		d x L	☒		d x L	☒	
M8X16*	100	51740.080.016	M8X53*	100	51740.080.053	M10X35*	100	51740.100.035
M8X20*	100	51740.080.020	M8X60*	100	51740.080.060	M10X40*	100	51740.100.040
M8X25*	100	51740.080.025	M8X65*	100	51740.080.065	M10X50*	100	51740.100.050
M8X30*	100	51740.080.030	M8X70*	100	51740.080.070	M10X60*	100	51740.100.060
M8X35*	100	51740.080.035	M10X20*	100	51740.100.020	M10X70*	100	51740.100.070
M8X40*	100	51740.080.040	M10X25*	100	51740.100.025	M10X80*	100	51740.100.080
M8X45*	100	51740.080.045	M10X30*	100	51740.100.030	M10X50*	100	51740.100.100
M8X50*	100	51740.080.050						

55740 Șurub profil T 28/15

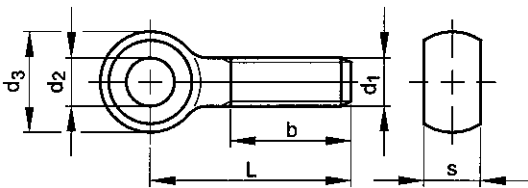
R09A

Filete Filet metric
Material Oțel inoxidabil A4

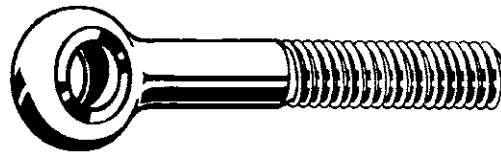


d x L	☒		d x L	☒		d x L	☒	
M8X30*	100	55740.080.030	M10X25*	100	55740.100.025	M10X30*	100	55740.100.030
M10X20*	100	55740.100.020						

Şurub cu ochi parțial filetat



DIN 444 B
NEN 2310 B



Date tehnice

d ₁	b (min.): L≤125mm	b (min.): 125mm<L≤200mm	b (min.): L>200mm	d ₂ (H9)	d ₃ (max.)	P	s (max.)
M6	18	-	-	6	14	1	7
M8	22	28	-	8	18	1.25	9
M10	26	32	-	10	20	1.5	12
M12	30	36	49	12	25	1.75	14
M16	38	44	57	16	32	2	17
M20	46	52	65	18	40	2.5	22
M24	54	60	73	22	45	3	25
M27	60	66	79	25	50	3	27
M30	66	72	85	28	55	3.5	30

Grupe de articole

Filete	Material	Clasă	Cod	Pag.
M	Oțel	4.6	16180	5-4
M	INOX A2	50	51790	5-5
M	INOX A4	50	55790	5-5

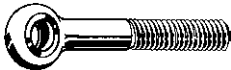
16180 Șurub cu ochi parțial filetat

F11D

Filete	Filet metric
Material	Oțel
Clasă	4.6

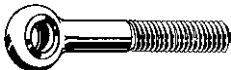


d ₁ x L	✉	d ₁ x L	✉	d ₁ x L	✉			
M6X30	25	16180.060.030		M20X140	5	16180.200.140		
M6X40	25	16180.060.040	M12X60	10	16180.120.060	M20X150	5	16180.200.150
M6X50	25	16180.060.050	M12X70	10	16180.120.070	M20X160	5	16180.200.160
M6X60	25	16180.060.060	M12X80	10	16180.120.080	M20X180	5	16180.200.180
M6X70	25	16180.060.070	M12X90	10	16180.120.090	M20X200	5	16180.200.200
M6X80	25	16180.060.080	M12X100	10	16180.120.100	M20X260	5	16180.200.260
			M12X110	10	16180.120.110			
M8X40	25	16180.080.040	M12X120	10	16180.120.120	M24X80	5	16180.240.080
M8X45	25	16180.080.045	M12X130	10	16180.120.130	M24X100	5	16180.240.100
M8X50	25	16180.080.050	M12X140	10	16180.120.140	M24X110	5	16180.240.110
M8X60	25	16180.080.060	M12X150	10	16180.120.150	M24X120	5	16180.240.120
M8X70	25	16180.080.070				M24X130	5	16180.240.130
M8X80	25	16180.080.080	M16X60	10	16180.160.060	M24X140	5	16180.240.140
M8X90	25	16180.080.090	M16X70	10	16180.160.070	M24X150	5	16180.240.150
M8X100	25	16180.080.100	M16X80	10	16180.160.080	M24X160	5	16180.240.160
M8X110	25	16180.080.110	M16X90	10	16180.160.090	M24X180	5	16180.240.180
M8X120	25	16180.080.120	M16X100	10	16180.160.100	M24X200	5	16180.240.200
M8X130	25	16180.080.130	M16X110	10	16180.160.110	M24X220	5	16180.240.220
M8X140	25	16180.080.140	M16X120	10	16180.160.120			
			M16X130	10	16180.160.130	M27X120	5	16180.270.120
M10X40	25	16180.100.040	M16X140	10	16180.160.140	M27X140	5	16180.270.140
M10X50	25	16180.100.050	M16X150	10	16180.160.150	M27X160	5	16180.270.160
M10X60	25	16180.100.060	M16X160	10	16180.160.160	M27X180	5	16180.270.180
M10X65	25	16180.100.065	M16X180	10	16180.160.180	M27X200	5	16180.270.200
M10X70	25	16180.100.070	M16X200	10	16180.160.200			
M10X80	25	16180.100.080				M30X120	3	16180.300.120
M10X90	25	16180.100.090	M20X60	5	16180.200.060	M30X140	3	16180.300.140
M10X100	25	16180.100.100	M20X80	5	16180.200.080	M30X160	3	16180.300.160
M10X110	25	16180.100.110	M20X100	5	16180.200.100	M30X180	3	16180.300.180
M10X120	25	16180.100.120	M20X110	5	16180.200.110	M30X200	3	16180.300.200
M10X130	25	16180.100.130	M20X120	5	16180.200.120			
M10X140	25	16180.100.140	M20X130	5	16180.200.130			

51790 Șurub cu ochi parțial filetat		R09A	
Filete Material Clasă	Filet metric Oțel inoxidabil A2 50	 	

d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒
M6X30	10	51790.060.030	M10X80	10	51790.100.080
M6X35	10	51790.060.035	M10X90	10	51790.100.090
M6X40	10	51790.060.040	M10X100	10	51790.100.100
M6X45	10	51790.060.045	M10X110	5	51790.100.110
M6X50	10	51790.060.050	M10X120	5	51790.100.120
M6X55	10	51790.060.055	M10X130	5	51790.100.130
M6X60	10	51790.060.060	M10X140	5	51790.100.140
M6X70	10	51790.060.070			
M6X80	10	51790.060.080			
			M12X50	5	51790.120.050
M8X30	10	51790.080.030	M12X55	5	51790.120.055
M8X35	10	51790.080.035	M12X60	5	51790.120.060
M8X40	10	51790.080.040	M12X65	5	51790.120.065
M8X45	10	51790.080.045	M12X70	5	51790.120.070
M8X50	10	51790.080.050	M12X75	5	51790.120.075
M8X55	10	51790.080.055	M12X80	5	51790.120.080
M8X60	10	51790.080.060	M12X90	5	51790.120.090
M8X65*	50	51790.080.065	M12X100	5	51790.120.100
M8X70	10	51790.080.070	M12X110	3	51790.120.110
M8X75	10	51790.080.075	M12X120	3	51790.120.120
M8X80	10	51790.080.080	M12X130	3	51790.120.130
M8X90	10	51790.080.090	M12X140	3	51790.120.140
M8X100	10	51790.080.100	M12X150	3	51790.120.150
M8X110	5	51790.080.110			
M8X120	5	51790.080.120	M16X60	5	51790.160.060
M8X140	5	51790.080.140	M16X65	5	51790.160.065
			M16X70	5	51790.160.070
M10X40	10	51790.100.040	M16X75*	25	51790.160.075
M10X45	10	51790.100.045	M16X80	5	51790.160.080
M10X50	10	51790.100.050	M16X90	5	51790.160.090
M10X55	10	51790.100.055	M16X100	5	51790.160.100
M10X60	10	51790.100.060	M16X110	5	51790.160.110
M10X65	10	51790.100.065	M16X120	3	51790.160.120
M10X70	10	51790.100.070	M16X130	3	51790.160.130
M10X75	10	51790.100.075	M16X140	3	51790.160.140
			M16X150	3	51790.160.150
			M16X160	3	51790.160.160
			M16X180	3	51790.160.180
			M16X200	3	51790.160.200
			M20X70*	10	51790.200.070
			M20X75	2	51790.200.075
			M20X80	2	51790.200.080
			M20X90	2	51790.200.090
			M20X100	2	51790.200.100
			M20X110	2	51790.200.110
			M20X120	2	51790.200.120
			M20X130	2	51790.200.130
			M20X140	2	51790.200.140
			M20X150	1	51790.200.150
			M20X160	1	51790.200.160
			M20X180	1	51790.200.180
			M20X200	1	51790.200.200
			M24X80	3	51790.240.080
			M24X90	3	51790.240.090
			M24X100*	10	51790.240.100
			M24X110	3	51790.240.110
			M24X120	3	51790.240.120
			M24X130	3	51790.240.130
			M24X140	3	51790.240.140
			M24X150	3	51790.240.150
			M24X180	3	51790.240.180
			M24X200	3	51790.240.200
			M24X220	3	51790.240.220
			M27X120	3	51790.270.120
			M27X160	3	51790.270.160
			M27X180	3	51790.270.180
			M27X200	3	51790.270.200

5

55790 Șurub cu ochi parțial filetat		R49A	
Filete Material Clasă	Filet metric Oțel inoxidabil A4 50	 	

d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒
M6X30	10	55790.060.030	M10X70	10	55790.100.070
M6X35*	50	55790.060.035	M10X75*	25	55790.100.075
M6X40	10	55790.060.040	M10X80	10	55790.100.080
M6X45*	50	55790.060.045	M10X90	10	55790.100.090
M6X50	10	55790.060.050	M10X100	10	55790.100.100
M6X55*	50	55790.060.055	M10X110*	25	55790.100.110
M6X60*	50	55790.060.060	M10X120*	25	55790.100.120
M8X30	10	55790.080.030	M12X50	5	55790.120.050
M8X35*	50	55790.080.035	M12X55*	25	55790.120.055
M8X40	10	55790.080.040	M12X60	5	55790.120.060
M8X45*	50	55790.080.045	M12X65*	25	55790.120.065
M8X50	10	55790.080.050	M12X70	5	55790.120.070
M8X55*	50	55790.080.055	M12X75*	25	55790.120.075
M8X60	10	55790.080.060	M12X80	5	55790.120.080
M8X65*	50	55790.080.065	M12X90	5	55790.120.090
M8X70	10	55790.080.070	M12X100	5	55790.120.100
M8X75*	50	55790.080.075	M12X110*	25	55790.120.110
M8X80	10	55790.080.080	M12X120	3	55790.120.120
M8X90	10	55790.080.090	M12X130*	25	55790.120.130
M8X100	10	55790.080.100	M12X140*	10	55790.120.140
			M12X150*	10	55790.120.150
M10X40	10	55790.100.040	M16X60*	25	55790.160.060
M10X45*	25	55790.100.045	M16X65*	25	55790.160.065
M10X50	10	55790.100.050	M16X70	5	55790.160.070
M10X55*	25	55790.100.055	M16X75*	25	55790.160.075
M10X60	10	55790.100.060	M16X80	5	55790.160.080
M10X65*	25	55790.100.065			
			M16X90	5	55790.160.090
			M16X100	5	55790.160.100
			M16X110*	25	55790.160.110
			M16X120	3	55790.160.120
			M16X130	3	55790.160.130
			M16X140*	10	55790.160.140
			M16X150*	10	55790.160.150
			M20X70*	10	55790.200.070
			M20X75*	10	55790.200.075
			M20X80	2	55790.200.080
			M20X90	2	55790.200.090
			M20X100	2	55790.200.100
			M20X110*	10	55790.200.110
			M20X120	2	55790.200.120
			M20X130*	10	55790.200.130
			M20X140*	10	55790.200.140
			M20X150*	10	55790.200.150
			M20X180	1	55790.200.180
			M24X80*	10	55790.240.080
			M24X90*	10	55790.240.090
			M24X100	3	55790.240.100
			M24X110*	10	55790.240.110
			M24X120	3	55790.240.120
			M24X130*	10	55790.240.130
			M24X140	3	55790.240.140
			M24X150*	10	55790.240.150

55790

Şurub cu ochi parțial filetat

←

d₁ x L

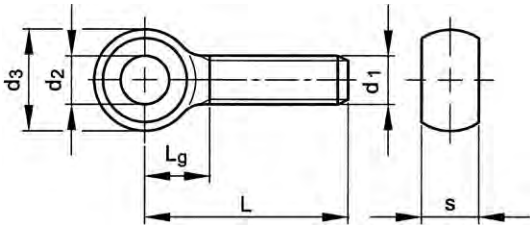
✉

M24X220

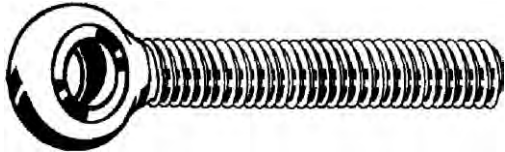
10

[55790.240.220](#)

Şurub cu ochi complet filetat



DIN 444
NEN LB 2310 B



Date tehnice					
d ₁	d ₂ (H9)	d ₃ (max.)	L _g (max.)	P	s (max.)
M5	5	12	11	0.8	6
M6	6	14	14	1	7
M8	8	18	16	1.25	9
M10	10	20	18	1.5	12
M12	12	25	23	1.75	14
M16	16	32	27	2	17
M20	18	40	32	2.5	22

16182

Şurub cu ochi complet filetat

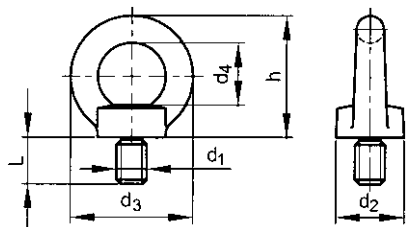
F11D

Filete Filet metric
Material Oțel
Clasă 4.6
Tratament al suprafeței Zincat

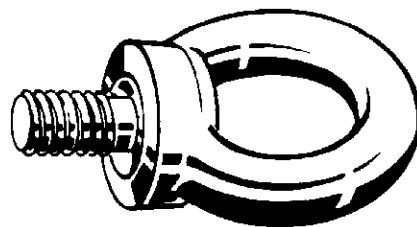


d ₁ x L	✉	d ₁ x L	✉	d ₁ x L	✉
M5X25	50	16182.050.025	M10X75	25	16182.100.075
M5X35	50	16182.050.035	M10X80	25	16182.100.080
			M10X100	25	16182.100.100
M6X30	25	16182.060.030	M10X120	25	16182.100.120
M6X40	25	16182.060.040	M10X140	25	16182.100.140
M6X50	25	16182.060.050			
			M12X60	10	16182.120.060
M8X40	25	16182.080.040	M12X70	10	16182.120.070
M8X50	25	16182.080.050	M12X80	10	16182.120.080
M8X60	25	16182.080.060	M12X100	10	16182.120.100
M8X80	25	16182.080.080	M12X110	10	16182.120.110
			M12X120	10	16182.120.120
			M12X140	10	16182.120.140
M10X40	25	16182.100.040			
M10X50	25	16182.100.050	M16X70	10	16182.160.070
M10X60	25	16182.100.060	M16X80	10	16182.160.080
M10X70	25	16182.100.070			
			M16X90	10	16182.160.090
			M16X100	10	16182.160.100
			M16X110	10	16182.160.110
			M16X120	10	16182.160.120
			M16X140	10	16182.160.140
			M16X160	10	16182.160.160
			M16X180	10	16182.160.180
			M16X200	10	16182.160.200
			M20X100	5	16182.200.100
			M20X120	5	16182.200.120
			M20X140	5	16182.200.140
			M20X150	5	16182.200.150
			M20X160	5	16182.200.160
			M20X180	5	16182.200.180
			M20X200	5	16182.200.200

Șurub ochet de ridicare CE Metric



DIN 580
ISO 3266
NEN 1927
BS 4278



Date tehnice

d ₁	d ₂	d ₃	d ₄	h	L	P
M6 (#DIN)	20	36	20	36	13	1
M8	20	36	20	36	13	1.25
M10	25	45	25	45	17	1.5
M12	30	54	30	53	20.5	1.75
M14 (#DIN)	30	54	30	53	20.5	2
M16	35	63	35	62	27	2
M18 (#DIN)	35	63	35	62	27	2.5
M20	40	72	40	71	30	2.5
M22 (#DIN)	40	72	40	71	30	2.5
M24	50	90	50	90	36	3
M27 (#DIN)	50	90	50	90	36	3
M30	65	108	60	109	45	3.5
M33 (#DIN)	65	108	60	109	45	3.5
M36	75	126	70	128	54	4
M39 (#DIN)	75	126	70	128	54	4
M42	85	144	80	147	63	4.5
M45 (#DIN)	85	144	80	147	63	4.5
M48	100	166	90	168	68	5
M52 (#DIN)	110	184	100	187	78	5
M56	110	184	100	187	78	5.5
M64	120	206	110	208	90	6
M72x6	150	260	140	260	100	6

- Dacă bolțurile cu ochi sunt folosite pentru ridicare marcajul CE este necesar.
- Dacă nu sunt folosite pentru ridicare (pentru remorcări de exemplu) sau dacă sunt folosite pentru o singură operațiune de ridicare (mutarea mașinilor de exemplu) atunci marcajul CE nu este necesar.

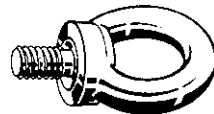
Sarcina maximă L (N)

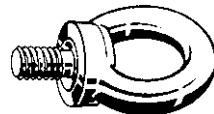
		M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27
1 x bolț		900	1400	2300	3400	5000	7000	9300	12000	15000	18000	25000
2 x bolț		600	1000	1700	2400	3500	5000	6500	8600	10500	12900	18300

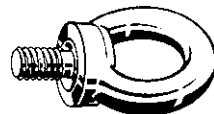
		M30	M33	M36	M39	M42	M45	M48	M52	M56	M64	M72x6
1 x bolț		32000	42000	46000	60000	63000	78000	86000	99000	115000	160000	200000
2 x bolț		23000	30500	33000	44000	45000	55000	61000	71000	82000	110000	140000

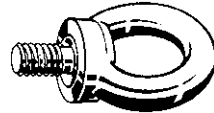
Grupe de articole

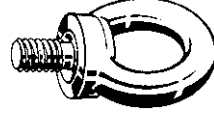
Filete	Material	Clasă	Tratament al suprafeței	Cod	Pag.
M	Oțel C15E			16000	5-8
M	Oțel C15E		Zn	16010	5-8
M	INOX A2		cast	51940	5-8
M	INOX A2	50	forged	51941	5-8
M	INOX A4		cast	55940	5-8
M	INOX A4	50	forged	55941	5-9

16000			Șurub ochet de ridicare CE Metric			F11E		
Filete		Filet metric						
Material		Oțel C15E						
CE								
d ₁	✉		d ₁	✉		d ₁	✉	
M6	25	16000.060.001	M20	10	16000.200.001	M39	1	16000.390.001
M8	25	16000.080.001	M22	5	16000.220.001	M42	1	16000.420.001
M10	25	16000.100.001	M24	5	16000.240.001	M48	1	16000.480.001
M12	25	16000.120.001	M27	5	16000.270.001	M56	1	16000.560.001
M14	10	16000.140.001	M30	1	16000.300.001	M64	1	16000.640.001
M16	10	16000.160.001	M33	1	16000.330.001			
M18	10	16000.180.001	M36	1	16000.360.001	M72X6.00	1	16000.720.001

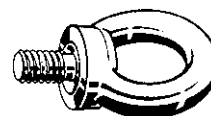
16010			Șurub ochet de ridicare CE Metric			F11E		
Filete		Filet metric						
Material		Oțel C15E						
Tratament al suprafeței		Zincat						
CE								
d ₁			d ₁			d ₁		
M6	25	16010.060.001	M20	10	16010.200.001	M39	1	16010.390.001
M8	25	16010.080.001	M22	5	16010.220.001	M42	1	16010.420.001
M10	25	16010.100.001	M24	5	16010.240.001	M45	1	16010.450.001
M12	25	16010.120.001	M27	5	16010.270.001	M48	1	16010.480.001
M14	10	16010.140.001	M30	1	16010.300.001	M52	1	16010.520.001
M16	10	16010.160.001	M33	1	16010.330.001	M56	1	16010.560.001
M18	10	16010.180.001	M36	1	16010.360.001	M64	1	16010.640.001

51940 Șurub ochet de ridicare CE Metric						R09A		
Filete		Filet metric		DIN	#580			
Material		Oțel inoxidabil A2						
								
d ₁			d ₁			d ₁		
M6	10	51940.060.001	M16	5	51940.160.001	M27	3	51940.270.001
M8	10	51940.080.001	M20	5	51940.200.001	M30	1	51940.300.001
M10	10	51940.100.001	M24	3	51940.240.001	M36*	1	51940.360.001
M12	10	51940.120.001						

51941 Șurub ochet de ridicare CE Metric						R09A		
Filete		Filet metric						
Material		Oțel inoxidabil A2						
Clasă		50						
CE								
d ₁			d ₁			d ₁		
M6*	25	51941.060.001	M16*	10	51941.160.001	M27*	5	51941.270.001
M8*	25	51941.080.001	M20*	10	51941.200.001	M30*	5	51941.300.001
M10*	25	51941.100.001	M24*	5	51941.240.001	M36*	1	51941.360.001
M12*	10	51941.120.001						

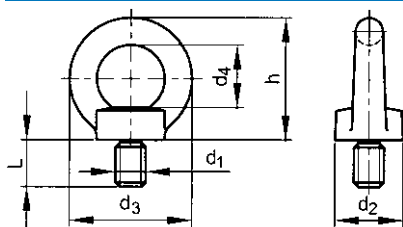
55940 Șurub ochet de ridicare CE Metric					R49A			
Filete	Filet metric			DIN	#580			
Material	Oțel inoxidabil A4							
								
d ₁			d ₁			d ₁		
M6	10	55940.060.001	M16	5	55940.160.001	M27	3	55940.270.001
M8	10	55940.080.001	M20	5	55940.200.001	M30	1	55940.300.001
M10	10	55940.100.001	M24	3	55940.240.001	M36*	1	55940.360.001
M12	10	55940.120.001						

R49A

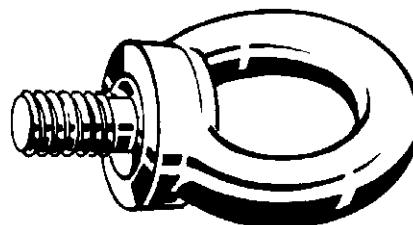


CE

Şurub ochet de ridicare BSW



DIN	≈580 (1957)
NEN	≈2347 (1960)



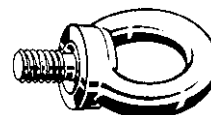
5

d ₁	d ₂	d ₃	d ₄	Filete pe inch	h	L
5/16	20	36	20	18	36	13
3/8	25	45	25	16	45	17
1/2	30	54	30	12	53	22
5/8	35	63	35	11	62	27
3/4	40	72	40	10	71	30
7/8	45	81	45	9	81	35
1 Inch	50	90	50	8	90	36
1.1/4	65	108	60	7	109	45
1.1/2	75	126	70	6	128	55
1.3/4	100	166	90	5	168	70
2 Inch	100	166	90	4.5	168	70

- Filetul Withworth (BSW/BSF) nu este recomandat internațional. Este recomandat să folosiți filete metrice (M/MF).
- Materialul C15 a fost standardizat și are o rezistență minimă la impact de 80 Joule (conform ISO) respectiv 90 Joule (conform DIN).

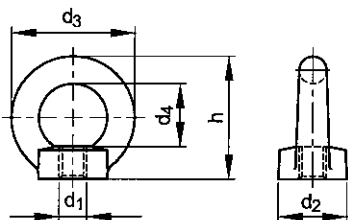
		5/16	3/8	1/2	5/8	3/4	7/8	1.IN.	1.1/4	1.1/2	1.3/4	2.IN.
1 x bolt		1400	2300	3400	7000	12000	18000	18000	46000	63000	86000	115000
2 x bolt		1000	1700	2400	5000	8600	12900	12900	33000	45000	61000	82000

X08A

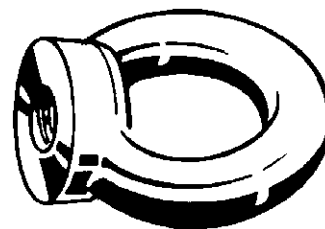


d_1	✉	d_1	✉	d_1	✉
5/16	25 16040.079.001	3/4	10 16040.191.001	1.1/2	1 16040.381.001
3/8	25 16040.096.001	7/8	5 16040.222.001	1.3/4	1 16040.444.001
1/2	25 16040.127.001	1 Inch	5 16040.254.001	2 Inch	1 16040.508.001
5/8	10 16040.158.001	1.1/4	1 16040.317.001		

Piuliță ochet de ridicare CE Metric



DIN 582
NEN 1928



Date tehnice

d_1	d_2	d_3	d_4	h	P
M6 (#DIN)	20	36	20	36	1
M8	20	36	20	36	1.25
M10	25	45	25	45	1.5
M12	30	54	30	53	1.75
M14 (#DIN)	30	54	30	53	2
M16	35	63	35	62	2
M18 (#DIN)	35	63	35	62	2.5
M20	40	72	40	71	2.5
M22 (#DIN)	40	72	40	71	2.5
M24	50	90	50	90	3
M27 (#DIN)	65	108	60	109	3
M30	65	108	60	109	3.5
M33 (#DIN)	65	108	60	109	3.5
M36	75	126	70	128	4
M39 (#DIN)	75	126	70	128	4
M42	85	144	80	147	4.5
M48	100	166	90	168	5
M56	110	184	100	187	5.5
M64	120	206	110	208	6
M72x6	150	260	140	260	6

- Dacă piuliță cu ochi sunt folosite pentru ridicare marajul CE este necesar.
- Dacă nu sunt folosite pentru ridicare (pentru remorcări de exemplu) atunci marajul CE nu este necesar.

Sarcina maximă L (N)

		M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27
1 x piuliță		900	1400	2300	3400	5000	7000	9300	12000	15000	18000	25000
2 x piuliță		600	1000	1700	2400	3500	5000	6500	8600	10500	12900	18300

		M30	M33	M36	M39	M42	M45	M48	M52	M56	M64	M72x6
1 x piuliță		32000	42000	46000	60000	63000	78000	86000	99000	115000	160000	200000
2 x piuliță		23000	30500	33000	44000	45000	55000	61000	71000	82000	110000	140000

Grupe de articole

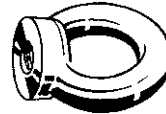
Filete	Material	Clasă	Tratament al suprafeței	Cod	Pag.
M	Oțel C15E			16100	5-11
M	Oțel C15E		Zn	16110	5-11
M	INOX A2	50	forjat	51950	5-11
M	INOX A2		turmat	51951	5-11
M	INOX A4	50	forjat	55950	5-11
M	INOX A4		turmat	55951	5-12

16100		Piuliță ochet de ridicare CE Metric		F11E
Filete	Filet metric			
Material	Oțel C15E			
				

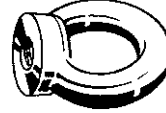
d ₁	✉		d ₁	✉		d ₁	✉	
M6	25	16100.060.001	M20	10	16100.200.001	M39	1	16100.390.001
M8	25	16100.080.001	M22	5	16100.220.001	M42	1	16100.420.001
M10	25	16100.100.001	M24	5	16100.240.001	M48	1	16100.480.001
M12	25	16100.120.001	M27	5	16100.270.001	M56	1	16100.560.001
M14	10	16100.140.001	M30	1	16100.300.001	M64	1	16100.640.001
M16	10	16100.160.001	M33	1	16100.330.001			
M18	10	16100.180.001	M36	1	16100.360.001	M72X6,00	1	16100.720.001

16110		Piuliță ochet de ridicare CE Metric	F11E
Filete	Filet metric		
Material	Oțel C15E		
Tratament al suprafeței	Zincat		
CE			

d ₁	✉		d ₁	✉		d ₁	✉	
M6	25	16110.060.001	M20	10	16110.200.001	M36	1	16110.360.001
M8	25	16110.080.001	M22	5	16110.220.001	M39	1	16110.390.001
M10	25	16110.100.001	M24	5	16110.240.001	M42	1	16110.420.001
M12	25	16110.120.001	M27	5	16110.270.001	M48	1	16110.480.001
M14	10	16110.140.001	M30	1	16110.300.001	M56	1	16110.560.001
M16	10	16110.160.001	M33	1	16110.330.001	M64	1	16110.640.001
M18	10	16110.180.001						

51950		Piuliță ochet de ridicare, forjat		R09A
Filete	Filet metric			
Material	Oțel inoxidabil A2			
Clasă	50			
CE				

d ₁	✉		d ₁	✉		d ₁	✉	
M6	10	51950.060.001	M16	5	51950.160.001	M27*	5	51950.270.001
M8	10	51950.080.001	M20	5	51950.200.001	M30*	5	51950.300.001
M10	10	51950.100.001	M24	3	51950.240.001	M36*	1	51950.360.001
M12	10	51950.120.001						

51951	Piuliță ochet de ridicare, turnat			R09A
Filete	Filet metric	DIN	#582	
Material	Oțel inoxidabil A2			
				

d ₁	✉		d ₁	✉		d ₁	✉	
M6*	25	51951.060.001	M16*	10	51951.160.001	M27*	5	51951.270.001
M8*	25	51951.080.001	M20*	10	51951.200.001	M30*	5	51951.300.001
M10*	25	51951.100.001	M24*	5	51951.240.001	M36*	1	51951.360.001
M12*	10	51951.120.001						

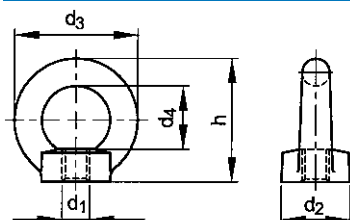
55950	Piuliță ochet de ridicare, forjat		R49A
Filete	Filet metric		
Material	Oțel inoxidabil A4		
Clasă	50		
CE			

d ₁	✉		d ₁	✉		d ₁	✉	
M6*	25	55950.060.001	M12	10	55950.120.001	M24	3	55950.240.001
M8	10	55950.080.001	M16	5	55950.160.001	M27*	5	55950.270.001
M10	10	55950.100.001	M20	5	55950.200.001	M36*	1	55950.360.001

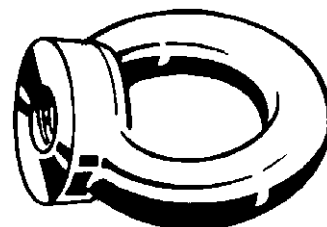
55951 Piuliță ochet de ridicare, turnat		R49A	
Filete	Filet metric	DIN	#582
Material	Oțel inoxidabil A4		
			

d ₁	✉	d ₁	✉	d ₁	✉		
M6*	25	55951.060.001	M16*	10	55951.160.001		
M8*	25	55951.080.001	M20*	10	55951.200.001		
M10*	25	55951.100.001	M24*	5	55951.240.001		
M12*	10	55951.120.001			M27*	5	55951.270.001
					M30*	5	55951.300.001
					M36*	1	55951.360.001

Piuliță ochet de ridicare BSW



DIN ≈582 (1957)
NEN ≈2348 (1960)



Date tehnice

d_1	d_2	d_3	d_4	Filete pe inch	h
5/16	20	36	20	18	36
3/8	25	45	25	16	45
1/2	30	54	30	12	53
5/8	35	63	35	11	62
3/4	40	72	40	10	71
7/8	45	81	45	9	81
1 Inch	50	90	50	8	90
1.1/4	65	108	60	7	109
1.1/2	75	126	70	6	128
1.3/4	85	144	80	5	147
2 Inch	100	166	90	4.5	168

- Filetul Withworth (BSW) nu este recomandat internațional.
- Este recomandat să folosiți filete metrice (M).

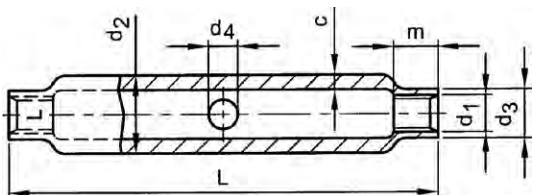
Sarcina maximă L (N)

		5/16	3/8	1/2	5/8	3/4	7/8	1.IN.	1.1/4	1.1/2	1.3/4	2.IN.
1 x piuliță		1400	2300	3400	7000	12000	18000	18000	46000	63000	86000	115000
2 x piuliță		1000	1700	2400	5000	8600	12900	12900	33000	45000	61000	82000

16140 Piuliță ochet de ridicare BSW		X08A	
Filete	British Standard Whitworth		
Material	Oțel C15		
			

d_1	✉	d_1	✉	d_1	✉	
5/16	25	16140.079.001	5/8	10	16140.158.001	
3/8	25	16140.096.001	3/4	10	16140.191.001	
1/2	25	16140.127.001	7/8	5	16140.222.001	
				1 Inch	5	16140.254.001
				1.1/4	1	16140.317.001
				1.1/2	1	16140.381.001

Manșon întinzător



DIN 1478



Date tehnice

d ₁	c	d ₂ (min.)	d ₃	d ₄	L	m	P	Reglabil
M6	2.9	17.2	9	6	110	7.5	1	90
M8	3.6	17.2	12	8	110	10	1.25	85
M10	4	21.3	15	8	125	12	1.5	95
M12	4	25	18	10	125	15	1.75	90
M16	4.5	30	24	10	170	20	2	120
M20	5	33.7	30	12	200	24	2.5	140
M24	5.6	42.4	33	12	255	29	3	180

16151 **Manșon întinzător**

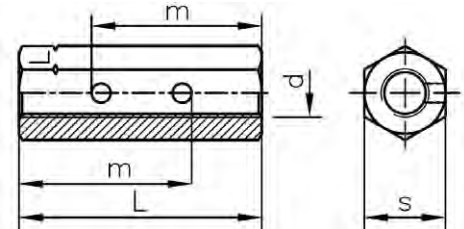
F11F

Filete	Filet metric
Material	Oțel
Tratament al suprafeței	Zincat

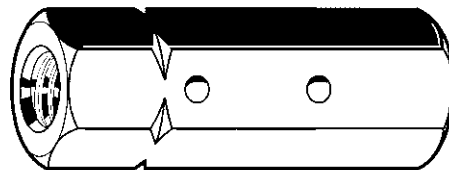


d_1	✉	d_1	✉	d_1	✉			
M6	10	16151.060.001	M12	5	16151.120.001	M20	2	16151.200.001
M8	10	16151.080.001	M16	5	16151.160.001	M24	2	16151.240.001
M10	5	16151.100.001						

Întinzător piuliță hexagonală stânga dreapta



DIN **≈1479**



Date tehnice

d	L	m	P	Reglabil	s
M6	30	22.5	1	15	10
M8	35	25	1.25	15	13
M10	45	33	1.5	21	16
M12	55	40	1.75	25	18
M16	75	55	2	35	24
M20	95	24	2.5	47	30
M24	115	29	3	57	36

16153 Întinzător piuliță hexagonală stânga dreapta

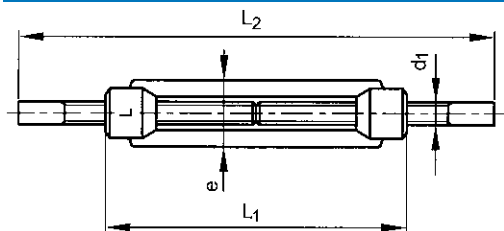
F11F

Filete	Filet metric
Material	Oțel Min.330N/mm²
Tratament al suprafeței	Zincat

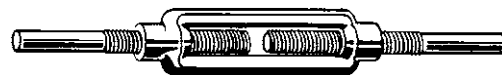


d	✉		d	✉		d	✉	
M6	10	16153.060.001	M12	5	16153.120.001	M20	2	16153.200.001
M8	10	16153.080.001	M16	5	16153.160.001	M24	2	16153.240.001
M10	5	16153.100.001						

Întinzător & tije sudabile



DIN 1480



Date tehnice

d_1	e	L_1	L_2 (min.)	L_2 (max.)	P	Sarcina în N
M6	19	110	240	338	1	2250
M8	23	110	240	338	1.25	4100
M10	30	125	300	407	1.5	6500
M12	34	125	300	407	1.75	9300
M16	42	170	400	543	2	17700
M20	52	200	440	606	2.5	27000
M24	60	255	520	736	3	39200
M30	74	255	520	736	3.5	62500
M36	86	295	600	840	4	91000
M42	104	330	700	967	4.5	125000
M48	135	355	760	1.037	5	165000
M56	135	355	820	1.097	5.5	230000

16160 Întinzător & tije sudabile

F11F

Filete Filet metric
Material Oțel Min.330N/mm²



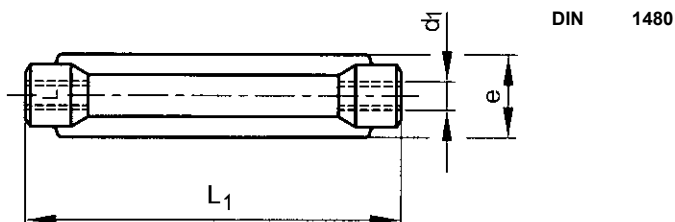
d_1	✉	d_1	✉	d_1	✉
M6	10	M16	5	M36	1
M8	10	M20	2	M42	1
M10	5	M24	2	M48	1
M12	5	M30	2	M56	1

[16160.060.001](#)
[16160.080.001](#)
[16160.100.001](#)
[16160.120.001](#)

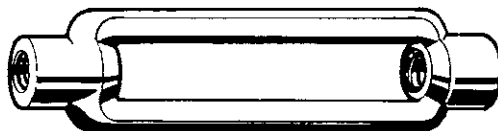
[16160.160.001](#)
[16160.200.001](#)
[16160.240.001](#)
[16160.300.001](#)

[16160.360.001](#)
[16160.420.001](#)
[16160.480.001](#)
[16160.560.001](#)

Întinzător



DIN 1480



Date tehnice

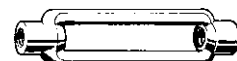
d ₁	e	L ₁	P	d ₁	e	L ₁	P
M6	19	110	1	M16	42	170	2
M8	23	110	1.25	M20	52	200	2.5
M10	30	125	1.5	M24	60	255	3
M12	34	125	1.75	M30	74	255	3.5

- Tensionatoarele de oțel (rezistența la rupere minimă 330 N/mm²) sunt zincate sau zincate galben cu filet ISO-metric, în funcție de disponibilitate aceasta poate varia.
- Cârligele și ochii sunt de clasă 3.6 și mereu zincate.

16150 Întinzător

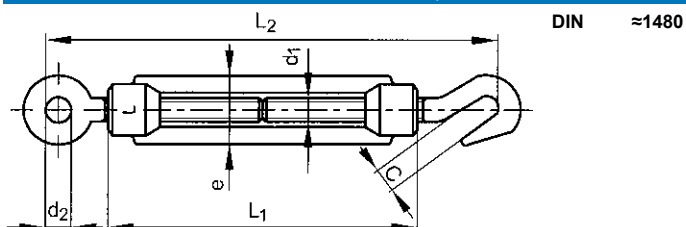
F11F

Filete Filet metric
Material Oțel Min.330N/mm²
Tratament al suprafeței Zincat/Zincat termic

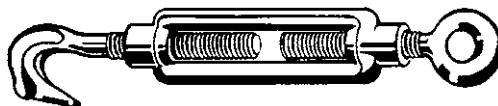


d ₁	✉	d ₁	✉	d ₁	✉			
M4 ZINCAT	10	16150.060.001	M10 ZINCAT	5	16150.120.001	M24 ZINCAT CALD	2	16150.240.001
M8 ZINCAT	10	16150.080.001	M16 ZINCAT CALD	5	16150.160.001	M30 ZINCAT CALD	2	16150.300.001
M10 ZINCAT	5	16150.100.001	M20 ZINCAT CALD	2	16150.200.001			

Întinzător cu cârlig și ochi oțel



DIN ≈1480



Date tehnice

d ₁	c	d ₂	e	L ₁	L ₂ (min.)	L ₂ (max.)	P	Sarcina în N
M6	8	10	19	110	150	234	1	750
M8	10	11	23	110	161	245	1.25	1650
M10	13	14	30	125	188	285	1.5	2350
M12	17	17	34	125	208	305	1.75	3200
M16	16.5	23	42	170	299	433	2	5300
M20	17	25	52	200	341	495	2.5	7300
M24	23	34	60	255	394	594	3	15500
M30	29	38	74	255	441	635	3.5	22400

16170 Întinzător cu cârlig și ochi oțel

F11F

Filete Filet metric
Material Oțel Min.330N/mm²
Tratament al suprafeței Zincat/Zincat termic



d ₁	✉		d ₁	✉		d ₁	✉	
M6 ZINCAT	10	16170.060.001	M12 ZINCAT	5	16170.120.001	M24 ZINCAT CALD	2	16170.240.001
M8 ZINCAT	10	16170.080.001	M16 ZINCAT CALD	5	16170.160.001	M30 ZINCAT CALD	2	16170.300.001
M10 ZINCAT	5	16170.100.001	M20 ZINCAT CALD	2	16170.200.001			

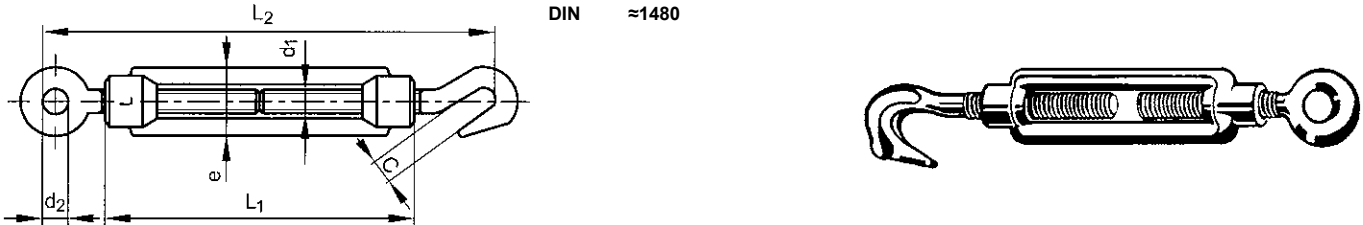
16170

Întinzător cu cârlig și ochi oțel

←

- Tensionatoarele de oțel (rezistența la rupere minimă 330 N/mm²) sunt zincate sau zincate galben cu filet ISO-metric, în funcție de disponibilitate aceasta poate varia.
- Cârligele și ochii sunt de clasă 3.6 și mereu zincate.

Întinzător cu cârlig și ochi oțel inoxidabil



Date tehnice								
d ₁	c	d ₂	e	L ₁	L ₂ (min.)	L ₂ (max.)	P	Sarcina în N
M6	10	10	18	90	140	220	1	750
M8	11	14	21	120	180	280	1.25	1650
M10	12	16	25	150	230	360	1.5	2350
M12	14	18	31	200	280	460	1.75	3200
M16	16	26	40	250	370	590	2	5300
M20	18	30	49	300	420	650	2.5	7300

51742

Întinzător cu cârlig și ochi oțel inoxidabil

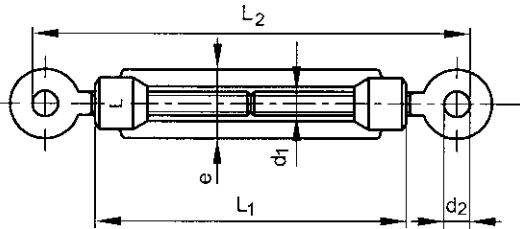
R09A

Filete
Material

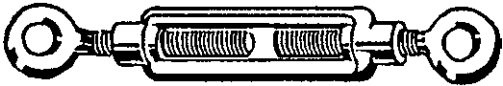
Filet metric
Oțel inoxidabil A4

d ₁	✉	d ₁	✉	d ₁	✉			
M6	10	51742.060.001	M10	5	51742.100.001	M16	5	51742.160.001
M8	10	51742.080.001	M12	5	51742.120.001	M20	2	51742.200.001

Întinzător cu 2 ochi oțel



DIN ≈1480



Date tehnice

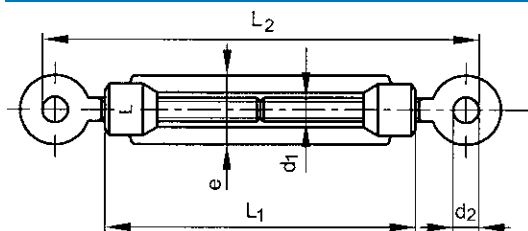
d ₁	d ₂	e	L ₁	L ₂ (min.)	L ₂ (max.)	P	Sarcina în N
M5 (#DIN)	8	16.6	78.5	119	179	0.8	1400
M6	10	19	110	150	234	1	2250
M8	10	23	110	156	240	1.25	4100
M10	14	30	125	186	282	1.5	6500
M12	17	34	125	196	293	1.75	9300
M14 (#DIN)	17.6	38	140	234	344	2	13200
M16	23	42	170	294	428	2	17700
M20	25	52	200	352	506	2.5	27000
M24	34	60	235	391	589	3	39200
M30	38	74	255	441	636	3.5	62500

16177	Întinzător cu 2 ochi oțel	F11F
Filete	Filet metric	
Material	Oțel Min.330N/mm ²	
Tratament al suprafeței	Zincat/Zincat termic	
		
		

☒		d ₁	☒		d ₁	☒		
M5 = 3/16 ZINC	10	16177.050.001	M12 ZINCAT	5	16177.120.001	M20 ZINCAT CALD	2	16177.200.001
M6 ZINCAT	10	16177.060.001	M14 = 9/16 ZINC	5	16177.140.001	M24 ZINCAT CALD	2	16177.240.001
M8 ZINCAT	10	16177.080.001	M16 ZINCAT CALD	5	16177.160.001	M30 ZINCAT CALD	2	16177.300.001
M10 ZINCAT	5	16177.100.001						

- Tensionatoarele de oțel (rezistența la rupere minimă 330 N/mm²) sunt zincate sau zincate galben cu filet ISO-metric, în funcție de disponibilitate aceasta poate varia.
- Cârligele și ochii sunt de clasă 3.6 și mereu zincate.

Întinzător cu 2 ochi oțel inoxidabil



DIN ≈1480



Date tehnice

d ₁	d ₂	e	L ₁	L ₂ (min.)	L ₂ (max.)	P	Sarcina în N
M6	10	18	90	140	220	1	2250
M8	14	21	120	180	280	1.25	4100
M10	16	25	150	230	360	1.5	6500
M12	18	31	200	280	460	1.75	9300
M16	26	40	250	370	590	2	17700
M20	30	49	300	420	650	2.5	27000

5

51744 Întinzător cu 2 ochi oțel inoxidabil

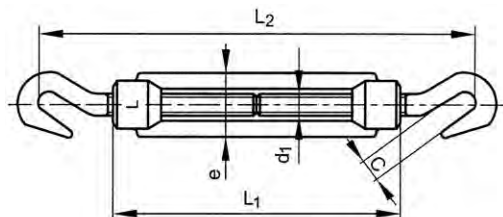
R09A

Filete Filet metric
Material Oțel inoxidabil A4

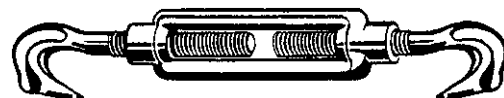


d ₁	✉	d ₁	✉	d ₁	✉			
M6	10	51744.060.001	M10	5	51744.100.001	M16	5	51744.160.001
M8	10	51744.080.001	M12	5	51744.120.001	M20	2	51744.200.001

Întinzător cu 2 cârlige oțel



DIN ≈1480



Date tehnice

d ₁	c	e	L ₁	L ₂ (min.)	L ₂ (max.)	P	Sarcina în N
M5 (#DIN)	7	16.5	70	107	157	0.8	500
M6	8	19	110	150	234	1	750
M8	10	23	110	166	250	1.25	1650
M10	13	30	125	189	289	1.5	2350
M12	17	34	125	220	317	1.75	3200
M16	16.5	42	170	304	438	2	5300

16178 Întinzător cu 2 cârlige oțel

F11F

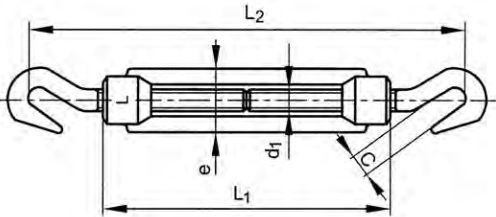
Filete Filet metric
Material Oțel Min.330N/mm²
Tratament al suprafeței Zincat



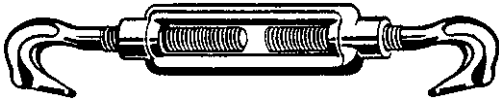
d ₁	✉	d ₁	✉	d ₁	✉			
M5 = 3/16	10	16178.050.001	M8	10	16178.080.001	M12	5	16178.120.001
M6	10	16178.060.001	M10	5	16178.100.001	M16 = 5/8	5	16178.160.001

- Tensionatoarele de oțel (rezistența la rupere minimă 330 N/mm²) sunt zincate sau zincate galben cu filet ISO-metric, în funcție de disponibilitate aceasta poate varia.
- Cârligele și ochii sunt de clasă 3.6 și mereu zincate.

Întinzător cu 2 cârlige oțel inoxidabil



DIN ≈1480



Date tehnice

d ₁	c	e	L ₁	L ₂ (min.)	L ₂ (max.)	P	Sarcina în N
M6	10	18	90	140	220	1	750
M8	11	21	120	180	280	1.25	1650
M10	12	25	150	230	360	1.5	2350
M12	14	31	200	280	460	1.75	3200
M16	16	40	250	370	590	2	5300
M20	18	49	300	420	650	2.5	7300

51743 Întinzător cu 2 cârlige oțel inoxidabil

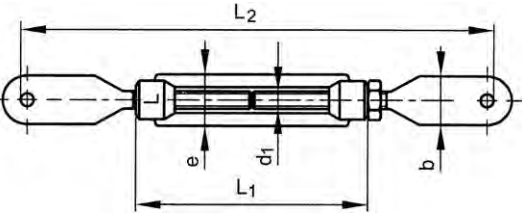
R09A

Filete Filet metric
Material Oțel inoxidabil A4

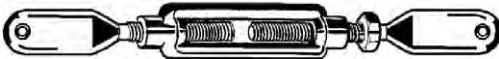


d ₁	✉	d ₁	✉	d ₁	✉
M6	10	M10	5	M16	5
M8	10	M12	5	M20	2
	51743.060.001		51743.100.001		51743.160.001
	51743.080.001		51743.120.001		51743.200.001

Întinzător cu 2 ocheti plăți



DIN ≈1480



Date tehnice

d ₁	b	e	L ₁	L ₂ (min.)	L ₂ (max.)	P	Grosime ochi plat	Sarcina în N
M12	30	34	125	325	430	1.5	4	9300
M16	40	42	170	472	615	1.75	4	17700
M20	50	52	200	463	630	2	5	27000

16172 Întinzător cu 2 ocheti plăți

F11F

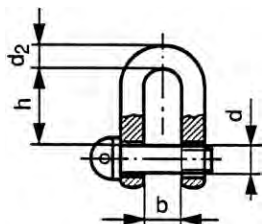
Filete Filet metric
Material Oțel Min.330N/mm²
Tratament al suprafeței Zincat



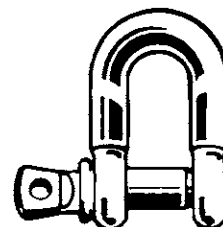
d ₁	✉	d ₁	✉	d ₁	✉
M12	5	M16	5	M20	2
	16172.120.001		16172.160.001		16172.200.001

- Tensionatoarele de oțel (rezistența la rupere minimă 330 N/mm²) sunt zincate sau zincate galben cu filet ISO-metric, în funcție de disponibilitate aceasta poate varia.
- Ochii sunt de clasă 3.6 și mereu zincate.

Cheie de tachelaj oțel îngustă



DIN ≈82101 A
NEN ≈964



Date tehnice

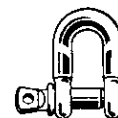
d	b	d ₂	h	Sarcina în kN
5	7	4/5	15.5	1
6	8	5/6	18	1.6
8	11	7/8	24	2.5
10	14	9/10	30	4
11 (#DIN)	22	11	44	-
12	17	10/12	36	6.3
14 (#DIN)	28	14	53	-
16	21	13/15	49	10
19 (#DIN)	38	19	74	-
20	27	17/19	61	16
22	30	19/21	67	20
24	33	21/23	73	25
25 (#DIN)	51	25	100	-
28 (#DIN)	57	28	115	-
32 (#DIN)	64	32	127	-
38 (#DIN)	76	37	152	-

- Cheile de tachelaj tip D sunt zincate sau zincate termic, în funcție de disponibilitate.
- De asemenea, în funcție de disponibilitate, dimensiunile pot varia.
- A nu se utiliza în aplicații de ridicare.

16813 Cheie de tachelaj oțel îngustă

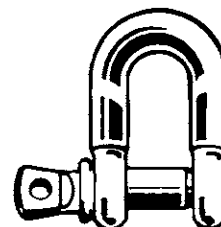
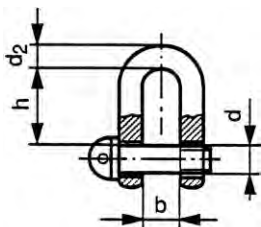
F11H

Material Oțel
Tratament al suprafeței Zincat/Zincat termic



d	☒		d	☒		d	☒	
5MM ZINC	25	16813.050.001	14MM ZINC	25	16813.140.001	25MM HOT D.G.	3	16813.250.001
6MM ZINC	25	16813.060.001	16MM HOT D.G.	10	16813.160.001	28MM HOT D.G.	1	16813.280.001
8MM ZINC	25	16813.080.001	19MM HOT D.G.	10	16813.190.001	32MM HOT D.G.	1	16813.320.001
10MM ZINC	25	16813.100.001	20MM HOT D.G.	5	16813.200.001	38MM HOT D.G.	1	16813.380.001
11MM ZINC	25	16813.110.001	22MM HOT D.G.	5	16813.220.001			
12MM ZINC	25	16813.120.001	24MM HOT D.G.	5	16813.240.001			

Cheie de tachelaj largă oțel inoxidabil



Date tehnice

d	b	d ₂	h	d	b	d ₂	h
4	8	4	16	12	24	12	48
5	10	5	20	16	32	16	64/56
6	12	6	24	19	38	19	76
8	16	8	32	24	32	18	80
10	20	10	40				

- De asemenea, în funcție de disponibilitate, dimensiunile pot varia.
- A nu se utiliza în aplicații de ridicare.

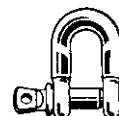
Grupe de articole

Material	Cod	Pag.
INOX A2	16711	5-21
INOX A4	16713	5-21

16711 Cheie de tachelaj largă oțel inoxidabil

R09A

Material Oțel inoxidabil A2



d	☒	d	☒	d	☒
5MM	10	10MM	10	16MM	5
6MM	10	12MM	10	19MM	2
8MM	10				

[16711.050.001](#)

[16711.100.001](#)

[16711.160.001](#)

[16711.060.001](#)

[16711.120.001](#)

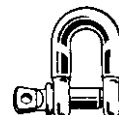
[16711.190.001](#)

[16711.080.001](#)

16713 Cheie de tachelaj largă oțel inoxidabil

R49A

Material Oțel inoxidabil A4



d	☒	d	☒	d	☒
4MM	10	8MM	10	16MM	5
5MM	10	10MM	10	19MM	2
6MM	10	12MM	10		

[16713.040.001](#)

[16713.080.001](#)

[16713.160.001](#)

[16713.050.001](#)

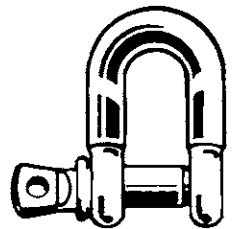
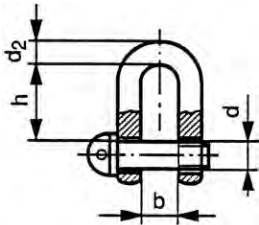
[16713.100.001](#)

[16713.190.001](#)

[16713.060.001](#)

[16713.120.001](#)

Cheie de tachelaj largă oțel



Date tehnice

d	b	d ₂	h	d	b	d ₂	h
5	10	5	20	16	32	16	64
6	12	6	24	19	38	19	74
8	16	8	32	22	44	19/21	88
10	20	10	40	25	51	25	100
11	22	11	44	28	57	28	115
12	25	12	50	32	64	32	127
14	28	14	53	38	76	38	152

- Cheile de tachelaj tip D sunt zincate sau zincate termic, în funcție de disponibilitate.
- De asemenea, în funcție de disponibilitate, dimensiunile pot varia.
- A nu se utiliza în aplicații de ridicare.

16812 Cheie de tachelaj largă oțel

F11H

Material Oțel
Tratament al suprafeței Zincat



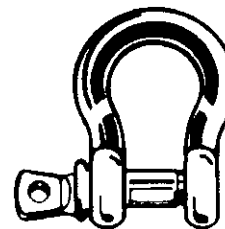
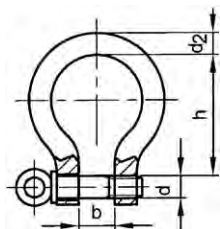
d	☒	d	☒	d	☒
5MM	25	12MM	25	25MM	3
6MM	25	14MM	25	28MM	1
8MM	25	16MM	10	32MM	1
10MM	25	19MM	10	38MM	1
11MM	25	22MM	5		

[16812.050.001](#)
[16812.060.001](#)
[16812.080.001](#)
[16812.100.001](#)
[16812.110.001](#)

[16812.120.001](#)
[16812.140.001](#)
[16812.160.001](#)
[16812.190.001](#)
[16812.220.001](#)

[16812.250.001](#)
[16812.280.001](#)
[16812.320.001](#)
[16812.380.001](#)

Cheie de tachelaj Omega oțel



Date tehnice

d	b	d ₂	h	d	b	d ₂	h
5	10	5	19	16	32	16	64
6	13	6	25	19	38	19	76
8	16	8	32	22	44	22	89
10	19	10	38	25	51	25	100
11	22	11	46	28	57	28	115
12	25	12	51	32	64	32	127
14	28	14	58	38	76	38	152

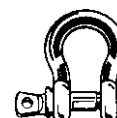
- Cheile de tachelaj tip D sunt zincate sau zincate termic, în funcție de disponibilitate.
- De asemenea, în funcție de disponibilitate, dimensiunile pot varia.
- A nu se utiliza în aplicații de ridicare.

5

16817 Cheie de tachelaj Omega oțel

F11H

Material Oțel
Tratament al suprafeței Zincat



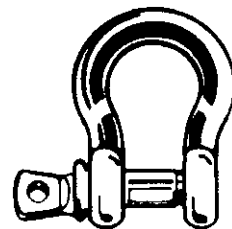
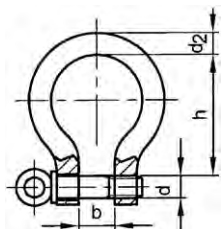
d	✉	d	✉	d	✉
5MM	25	12MM	25	25MM	5
6MM	25	14MM	10	28MM = 1.1/8	3
8MM	25	16MM	10	32MM = 1.1/4	1
10MM	25	19MM	5	38MM = 1.1/2	1
11MM	25	22MM	5		

[16817.050.001](#)
[16817.060.001](#)
[16817.080.001](#)
[16817.100.001](#)
[16817.110.001](#)

[16817.120.001](#)
[16817.140.001](#)
[16817.160.001](#)
[16817.190.001](#)
[16817.220.001](#)

[16817.250.001](#)
[16817.280.001](#)
[16817.320.001](#)
[16817.380.001](#)

Cheie de tachelaj Omega oțel inoxidabil



Date tehnice

d	b	d ₂	h	d	b	d ₂	h
4	8	4	16	10	20	10	40
5	10	5	20	12	24	12	48
6	12	6	24	16	32	16	64
8	16	8	32				

- Cheie de tachelaj Omega oțel inoxidabil
- Cheile de tachelaj tip D sunt zincate sau zincate termic, în funcție de disponibilitate.
 - De asemenea, în funcție de disponibilitate, dimensiunile pot varia.
 - A nu se utiliza în aplicații de ridicare.

Grupe de articole

Material	Cod	Pag.
INOX A2	16715	5-24
INOX A4	16717	5-24

16715 Cheie de tachelaj Omega oțel inoxidabil R09A

Material Oțel inoxidabil A2



d	✉	d	✉	d	✉
5MM	10	8MM	10	12MM	10
6MM	10	10MM	10	16MM	5

[16715.050.001](#)

[16715.060.001](#)

[16715.080.001](#)

[16715.100.001](#)

[16715.120.001](#)

[16715.160.001](#)

16717 Cheie de tachelaj Omega oțel inoxidabil R49A

Material Oțel inoxidabil A4



d	✉	d	✉	d	✉
4MM	10	8MM	10	12MM	10
5MM	10	10MM	10	16MM	5
6MM	10				

[16717.040.001](#)

[16717.050.001](#)

[16717.060.001](#)

[16717.080.001](#)

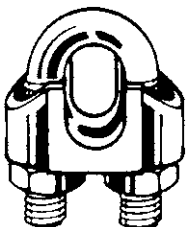
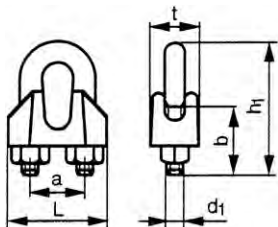
[16717.100.001](#)

[16717.120.001](#)

[16717.160.001](#)

Bridă fixare cabluri oțel

DIN 741/555 (1987)

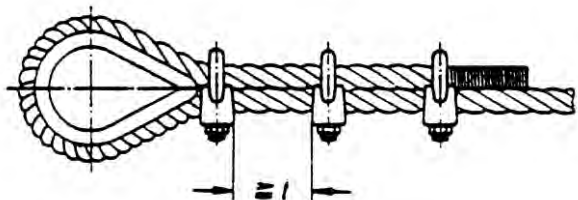


Date tehnice

Pentru diam cablu	a	b	d ₁	h ₁	L	Număr min. de bride	t
3	9	12	M4	20	21	3	10
5	11	13	M5	24	23	3	11
6.5	13	15	M5	28	26	3	12
8	16	19	M6	34	30	5	14
10	19	22	M8	42	34	5	18
11	20	22	M8	44	36	5	19
12 (#DIN)	24	26	M10	56	42	5	23
13	24	30	M10	55	42	5	23
14	25	30	M10	57	44	5	23
16	29	33	M12	63	50	6	26
19	32	38	M12	75	54	6	29
22	37	44	M14	85	61	7	33
25 (#DIN)	39	48	M14	95	65	7	34
26	41	45	M14	95	65	8	35
30	48	50	M16	110	74	8	37
34	52	55	M16	120	80	8	42
40	58	60	M16	140	88	8	45

- Piulițele hexagonale corespunzătoare au o clasă de proprietăți $\geq$ I4I.

Date asamblare

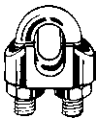


Distanța dintre clemele de cablu oțel $\geq$ t al clemelor de cablu oțel, vezi desenul de asamblare

16829 Bridă fixare cabluri oțel

F11M

Material Oțel
Tratament al suprafeței Zincat



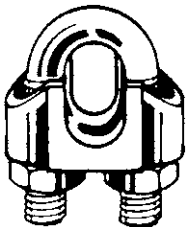
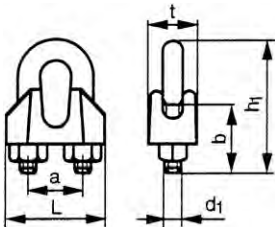
Pentru diam. cablu	☒	Pentru diam. cablu	☒	Pentru diam. cablu	☒
3MM	100	12MM = 1/2	25	26MM	10
5MM	100	13MM	25	30MM	5
6,5MM	100	14MM	25	34MM	5
8MM	100	16MM	25	40MM	5
10MM	50	19MM	10		
11MM	50	22MM	10		

[16829.030.001](#)
[16829.050.001](#)
[16829.065.001](#)
[16829.080.001](#)
[16829.100.001](#)
[16829.110.001](#)

[16829.120.001](#)
[16829.130.001](#)
[16829.140.001](#)
[16829.160.001](#)
[16829.190.001](#)
[16829.220.001](#)

[16829.260.001](#)
[16829.300.001](#)
[16829.340.001](#)
[16829.400.001](#)

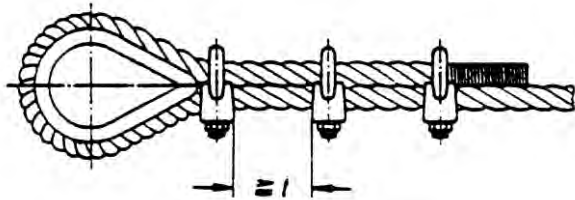
Bridă fixare cabluri oțel inoxidabil



Date tehnice							
Pentru diam cablu	a	b	d ₁	h ₁	L	Număr min. de bride	t
3	9	12	M3	22	22	3	14
4	9	12	M4	22	22	3	14
5	11	15	M5	24	24	3	16
6	14	18	M6	33	30	3	18
8	16	20	M6	35	33	5	20
10	18	22	M8	43	37	5	22
12	23	30	M10	54	45	5	25
16	28	30	M10	65	53	5	30

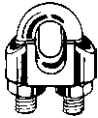
• În funcție de disponibilitate dimensiunile pot varia.

Date asamblare



Distanța dintre clemele de cablu oțel $\geq t$ al clemelor de cablu oțel, vezi desenul de asamblare

16728	Bridă fixare cabluri oțel inoxidabil	R49A
Filete	Filet metric	
Material	Oțel inoxidabil A4	



Pentru diam. cablu	☒		Pentru diam. cablu	☒		Pentru diam. cablu	☒	
3MM	10	16728.030.001	6MM	5	16728.060.001	12MM	5	16728.120.001
4MM	10	16728.040.001	8MM	5	16728.080.001	16MM	5	16728.160.001
5MM	10	16728.050.001	10MM	5	16728.100.001			

Carabină simplă



Date tehnice

d₃ x L x f	d₁	d₂ (min.)	f	m	Sarcină minimă rupere în N
5x50x7	7	15	5	6	1.0
6x60x7	8	17	6	7	1.2
7x70x9	10	20	7	8	1.8
8x80x11	12	24	9	10	2.3
10x100x12	15	30	11	11	3.5
11x120x14	16	39	12	17	4.5

- A NU se folosi în aplicații de ridicare.

Grupe de articol	
1	...
2	...
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Material	Tratament al suprafeței	Cod	Pag.
Oțel	Zn	16833	5-27
INOX A4		16733	5-27

16833	Carabină simplă	F11N
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Material	Oțel
Tratament al suprafeței	Zincat



d ₃ x L	☒	d ₃ x L	☒	d ₃ x L	☒		
5X50MM	10	16833.050.050	8X80MM	10	16833.080.080		
6X60MM	10	16833.060.060			10X100MM	10	16833.100.100

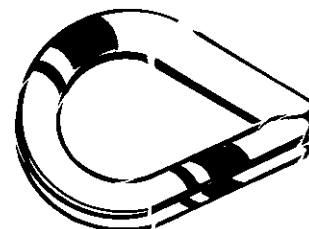
16733	Carabină simplă	R49A
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Material	Oțel inoxidabil A4
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$d_3 \times L$	☒		$d_3 \times L$	☒		$d_3 \times L$	☒	
5X50MM	10	16733.050.050	7X70MM	10	16733.070.070	10X100MM	10	16733.100.100
6X60MM	10	16733.060.060	8X80MM	10	16733.080.080	11X120MM	10	16733.110.120

5



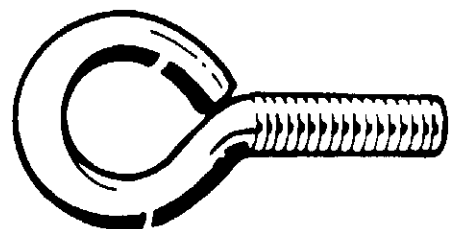
Pentru diam cablu	a	b	c	L	L ₁
3	3	20	12	28	19
4	4	19	11	25	16
5	5	22	16	31	22
6	6	29	19	37	26
8	8	38	24	51	34
10	10	44	32	64	42
12	12	57	38	76	51
14	14	60	40	82	57
16	16	64	42	89	60
18	18	69	45	102	67
20	20	79	51	115	76
22	22	89	54	127	83
24	24	102	64	140	88

F11M



Pentru diam. cablu	☒		Pentru diam. cablu	☒		Pentru diam. cablu	☒	
3MM	100	16831.030.001	10MM	50	16831.100.001	18MM	10	16831.180.001
4MM	100	16831.040.001	12MM	50	16831.120.001	20MM	5	16831.200.001
5MM	100	16831.050.001	14MM	10	16831.140.001	22MM	2	16831.220.001
6MM	100	16831.060.001	16MM	10	16831.160.001	24MM	2	16831.240.001
8MM	100	16831.080.001						

Şurub cu ochi metric



Date tehnice

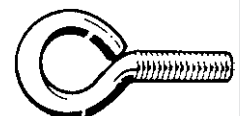
d_1	d_2	P	d_1	d_2	P
M3	2.6	0.5	M6	5.25	1
M4	3.45	0.7	M8	7.0	1.25
M5	4.4	0.8	M10	8.85	1.5

Grupe de articol

Filete	Material	Tratament al suprafeței	Cod	Pag.
M	Oțel	Zn	17420	5-29
M	INOX A2		17690	5-29

17420	Şurub cu ochi metric 111 G	F11B
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Filete	Filet metric	
Material	Oțel	
Tratament al suprafeței	Zincat	



d _i x L x D	✉	d _i x L x D	✉	d _i x L x D	✉
M3X10X6	100	17420.031.006	M5X50X8	100	17420.055.008
M3X20X5	100	17420.032.006	M5X60X8	100	17420.056.008
M4X15X6	100	17420.041.506	M6X20X10	100	17420.062.010
M4X20X6	100	17420.042.006	M6X25X10	100	17420.062.510
M4X25X6	100	17420.042.506	M6X30X10	100	17420.063.010
M4X30X6	100	17420.043.006	M6X40X10	100	17420.064.010
M4X40X6	100	17420.044.006	M6X50X10	100	17420.065.010
M5X15X8	100	17420.051.508	M6X60X10	100	17420.066.010
M5X20X8	100	17420.052.008	M6X80X10	100	17420.068.010
M5X25X8	100	17420.052.508	M6X100X10	100	17420.069.610
M5X30X8	100	17420.053.008	M8X20X10	100	17420.082.010
M5X40X8	100	17420.054.008	M8X30X10	100	17420.083.010
				M8X40X10	100
				M8X50X10	100
				M8X60X10	100
				M8X80X10	50
				M8X100X10	50
				M10X40X15	50
				M10X50X15	50
				M10X60X15	50
				M10X80X15	50
				M10X90X18	50
				M10X100X15	50
				M10X120X15	50

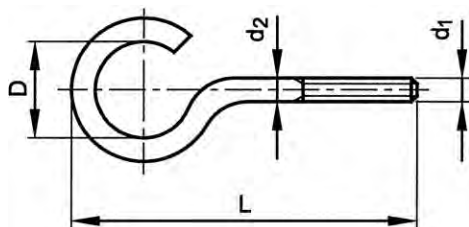
17690	Șurub cu ochi metric 111 R	F11C
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Filete	Filete metric	
Material	Otel inoxidabil A2	



d ₁ x L x D	✉	d ₁ x L x D	✉	d ₁ x L x D	✉			
M5X15X8	100	17690.051.008	M6X30X10	100	17690.063.010	M8X60X10	100	17690.086.010
M5X30X8	100	17690.053.008	M6X40X10	100	17690.064.010	M8X80X10	50	17690.088.010
M5X50X8	100	17690.055.008	M6X60X10	100	17690.066.010	M10X70X15	50	17690.107.014
M6X20X10	100	17690.062.010						

Cârlig rotund cu filet metric



Date tehnice

d_1	D	d_2	P	d_1	D	d_2	P
M4	12	3.45	0.7	M6	16	5.25	1
M5	16	4.4	0.8	M8	15	7.0	1.25

17203 Cârlig rotund cu filet metric

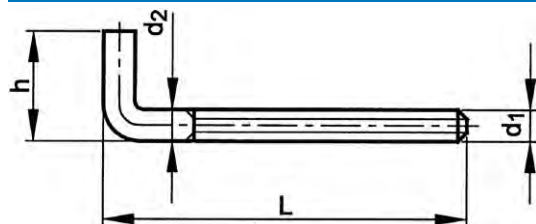
F11A

Filete Filet metric
Material Oțel
Tratament al suprafeței Zincat



$d_1 \times L$	✉	$d_1 \times L$	✉	$d_1 \times L$	✉
M4X50	100	17203.040.050	M6X60	100	17203.060.060
M5X50	100	17203.050.050	M8X60	100	17203.080.060

Cârlig drept cu filet metric



Date tehnice

d_1	d_2	h	P	d_1	d_2	h	P
M4	3.45	15	0.7	M6	5.25	20	1
M5	4.4	20	0.8	M8	7.0	25	1.25

17123 Cârlig drept cu filet metric

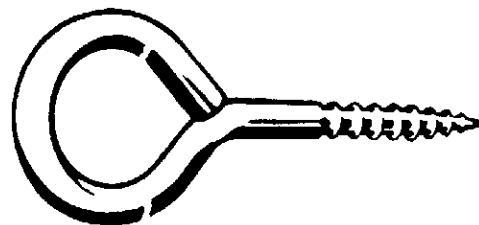
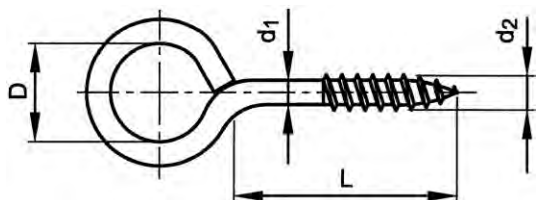
F11A

Filete Filet metric
Material Oțel
Tratament al suprafeței Zincat



$d_1 \times L$	✉	$d_1 \times L$	✉	$d_1 \times L$	✉
M4X40	100	17123.040.040	M6X60	100	17123.060.060
M5X50	100	17123.050.050	M8X60	100	17123.080.060

Holzşurub cu ochi



Date tehnice

d ₁	d ₂	d ₁	d ₂
1.9	2.4	4.0 (d2=5.1)	5.1
2.2	2.8	4.4	5.5
2.5	3.2	4.5	5.5
2.65	3.4	4.85 (d2=5.8)	5.8
3.0	3.8	4.85 (d2=6.1)	6.1
3.3	4.1	5.25	6.5
3.45	4.3	6.0	7.6
4.0 (d2=4.9)	4.9		

Grupe de articole

Material	Tratament al suprafeței	Cod	Pag.
Oțel	Zn	17020	5-31
INOX A2		17545	5-31
Alamă		17620	5-32

17020 Holzşurub cu ochi

F11B

Material Oțel
Tratament al suprafeței Zincat



d ₁ x L x D	☒	d ₁ x L x D	☒	d ₁ x L x D	☒			
1,9X6X3MM	100	17020.060.003	4,0X20X12MM (d2=5,1)	100	17020.200.012	4,4X40X16MM	100	17020.400.016
2,2X8X4MM	100	17020.080.004	3,45X25X10MM	100	17020.250.010	4,85X40X18MM (d2=6,1)	100	17020.400.018
2,2X10X4MM	100	17020.100.004	4,0X25X12MM (d2=5,1)	100	17020.250.012	5,25X40X20MM	100	17020.400.020
2,5X10X5MM	100	17020.100.005	3,0X20X8MM	100	17020.300.008	4,85X50X15MM (d2=6,1)	100	17020.500.015
2,5X10X6MM	100	17020.100.006	3,45X30X10MM	100	17020.300.010	4,85X50X18MM (d2=6,1)	100	17020.500.018
2,2X12X4MM	100	17020.120.004	4,0X30X12MM (d2=5,1)	100	17020.300.012	5,25X50X20MM	100	17020.500.020
2,65X12X6MM	100	17020.120.006	4,0X30X14MM (d2=5,1)	100	17020.300.014	6,0X50X25MM	100	17020.500.025
3,3X12X8MM	100	17020.120.008	4,4X30X16MM	100	17020.300.016	5,25X60X20MM	100	17020.600.020
2,65X16X6MM	100	17020.160.006	4,85X30X18MM (d2=6,1)	100	17020.300.018	6,0X60X25MM	100	17020.600.025
3,0X16X8MM	100	17020.160.008	4,0X40X14MM (d2=5,1)	100	17020.400.014			
3,45X16X10MM	100	17020.160.010	4,85X40X15MM (d2=6,1)	100	17020.400.015			
3,0X20X8MM	100	17020.200.008						
3,45X20X10MM	100	17020.200.010						

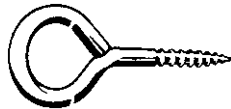
17545 Holzşurub cu ochi

F11C

Material Oțel inoxidabil A2

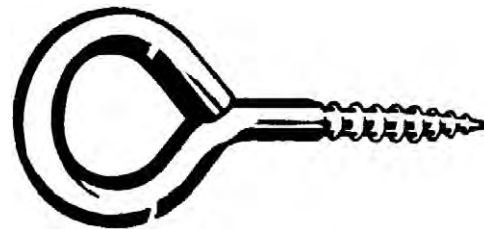
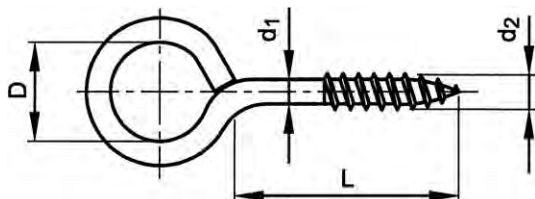


d ₁ x L x D	✉	d ₁ x L x D	✉	d ₁ x L x D	✉			
3,45X20X10MM	100	17545.200.010	4,0X30X8MM (d2=5,1)	100	17545.300.008	4,85X30X8MM (d2=5,8)	100	17545.301.008
4,0X25X12MM (d2=5,1)	100	17545.250.012	5,25X30X10MM	100	17545.300.010	4,4X40X16MM	100	17545.400.016

17620 Holzşurub cu ochi		F11B	
Material	Alamă	 	

$d_1 \times L \times D$	✉	$d_1 \times L \times D$	✉	$d_1 \times L \times D$	✉
2,65X12X6MM	100	17620.120.006	3,45X20X10MM	100	17620.200.010
2,65X16X6MM	100	17620.160.006	4,0X25X12MM (d2=4,9)	100	17620.250.012
3,0X20X8MM	100	17620.200.008			
				4,0X30X14MM (d2=5,1)	100
				4,5X40X16MM	100
					17620.300.014
					17620.400.016

Holzşurub cu ochi sarcină mare



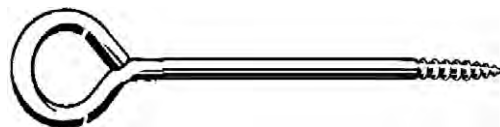
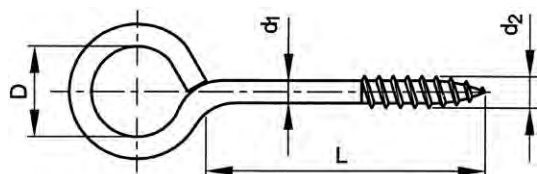
Date tehnice

Nr.	D	d_1	d_2	L	Nr.	D	d_1	d_2	L
8	8	4	5.1	20	17	10	7	8.8	40
10	8	4.40	5.5	25	18	14	7.80	9.5	45
15	10	5.25	6.7	35					

17023 Holzşurub cu ochi sarcină mare		F11A	
Material	Oţel	 	
Tratament al suprafeţei	Zincat		

Nr.	✉	Nr.	✉	Nr.	✉
No.8	100	17023.000.008	No.15	100	17023.000.015
No.10	100	17023.000.010	No.17	100	17023.000.017
				No.18	100
					17023.000.018

Holzşurub cu ochi extra lung



17022 Holzşurub cu ochi extra lung

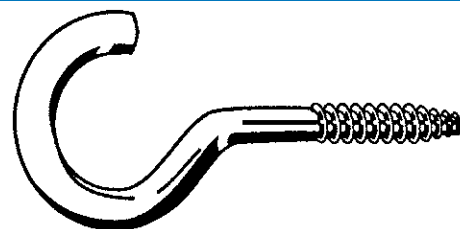
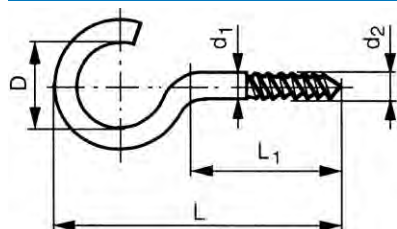
F11A

Material Oţel
Tratament al suprafeţei Zincat



$d_1 \times d_2 \times L \times D$	☒	$d_1 \times d_2 \times L \times D$	☒	$d_1 \times d_2 \times L \times D$	☒
7,0X9,0X60X20MM	100	17022.000.060	7,0X9,0X100X20MM	100	17022.000.100
					17022.000.140

Cârlig rotund filet Holzşurub



Date tehnice

$d_1 \times L_1/L$	D	d_2	$d_1 \times L_1/L$	D	d_2
2.0x10/20	7	2.6	4.4x32/60	18	5.5
2.0x11/23	7	2.6	4.4x50/80	20	5.5
2.4x12/25	9	3	4.75x32/60	18	6.1
2.4x15/30	9	3	5.0x47/85	25	6.3
3.2x20/40	12	4.1	5.25x82/120	25	6.5
3.3x13/30	9	4.1	6.0x45/80	25	7.6
3.3x20/40	12	4.1	6.0x62/100	25	7.6
3.45x30/50	14	4.3	6.0x82/120	25	7.6
4.0x27/55	18	5.1	7.0x100/140	25	9.0
4.4x25/50	16	5.5	7.0x120/160	25	9.0

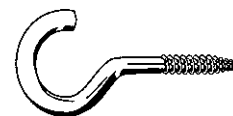
Grupe de articole

Material	Tratament al suprafeţei	Cod	Pag.
Oţel	Zn	11	17200
Oţel	Epoxy.alb.	11W	17199
Oţel	Zn	15	17220

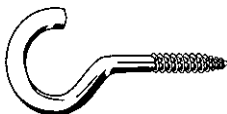
17200 Cârlig rotund filet Holzşurub

F11B

Material Oţel
Tratament al suprafeţei Zincat



$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒
2,0X10/20MM	100	17200.000.020	3,45X30/50MM	100	17200.000.050
2,0X11/25MM	100	17200.000.025	4,4X32/60MM	100	17200.000.060
2,4X15/30MM	100	17200.000.030	4,4X50/80MM	100	17200.000.080
3,3X20/40MM	100	17200.000.040	5,25X82/120MM	100	17200.000.120
					17200.025.025
					17200.030.030
					17200.040.055
					17200.050.085

17199Cârlig rotund filet holzşurub		F11B
Material	Oţel	
Tratament al suprafeţei	Răşină epoxidică albă	

$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒
2,0X10/20MM	100	17199.000.020	2,4X15/30MM	100	17199.000.030
2,0X11/23MM	100	17199.000.025	3,2X20/40MM	100	17199.000.040
					17199.000.050
					17199.000.060

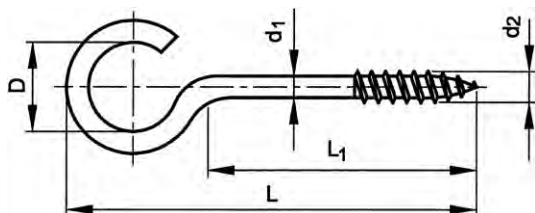
- Oţel zincat, răşină epoxidică albă acoperire (60-80 µm), pentru protecţie superioară şi aspect.

17220		Cârlig rotund filet holzşurub		F11A	
Material		Oţel			
Tratament al suprafeţei		Zincat			



$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒
4,4X25/50MM	100	17220.044.050	6,0X62/100MM	100	17220.060.100
4,75X32/60MM	100	17220.047.060	6,0X82/120MM	100	17220.062.120
6,0X45/80MM	100	17220.060.080			17220.069.140
					17220.069.160

Cârlig rotund filet holşurub extra lung



Date tehnice

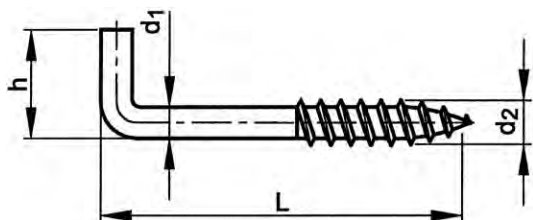
d_1	D	d_2
3.3	8	4.1
4.0	14	5.1
4.4	16	5.6

17210		Cârlig rotund filet holşurub extra lung		F11A	
Material		Oţel			
Tratament al suprafeţei		Zincat			



$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒	$d_1 \times L_1/L$	☒
3,3X26/40MM	100	17210.000.040	4,0X58/80MM	100	17210.000.080
4,0X37/60MM	100	17210.000.060	4,4X75/100MM	100	17210.000.100
					17210.000.120

Cârlig drept cu filet holzșurub



Date tehnice

d ₁ x L	d ₂	h	d ₁ x L	d ₂	h
2.0x20	2.8	10	4.0x60	5.1	20
2.5x25	3.2	11	4.4x60	5.5	20
2.65x30	4	14	4.4x80	5.5	22
3.3x40	4	16	5.0x50	6.3	22
3.45x50	4.3	18	5.0x60	6.3	22
3.5x40	4.3	16	5.0x70	6.3	22
4.0x40	5.1	18	5.25x100	6.5	24
4.0x50	5.1	18			

Grupe de articole

Material	Tratament al suprafeței	Cod	Pag.
Oțel	Zn	17120	5-35
Oțel	Epox.alb.	17119	5-35

17120 Cârlig drept cu filet holzșurub

F11B

Material Oțel
Tratament al suprafeței Zincat



d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒
2,2X20MM	100	17120.000.020	4,0X60MM	100	17120.000.060
2,5X25MM	100	17120.000.025	4,4X80MM	100	17120.000.080
2,65X30MM	100	17120.000.030	5,25X100MM	100	17120.000.100
3,3X40MM	100	17120.000.040	3,45X40MM	100	17120.035.040
3,45X50MM	100	17120.000.050	4,0X40MM	100	17120.040.040
					4,0X50MM 100 17120.040.050
					4,4X60MM 100 17120.045.060
					5,0X50MM 100 17120.050.050
					5,0X60MM 100 17120.050.060
					5,0X70MM 100 17120.050.070

17119 Cârlig drept cu filet holzșurub

F11B

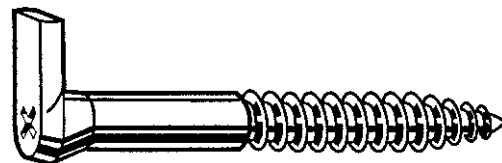
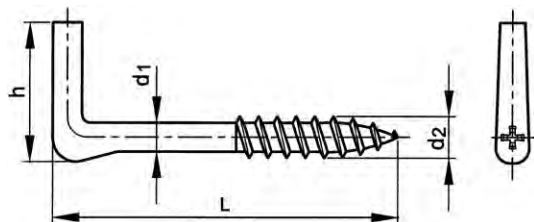
Material Oțel
Tratament al suprafeței Rășină epoxidică albă



d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒
2,5X25MM	100	17119.000.025	3,3X40MM	100	17119.000.040
2,65X30MM	100	17119.000.030	3,45X50MM	100	17119.000.050
					4,0X60MM 100 17119.000.060

- Oțel zincat, rășină epoxidică albă acoperire (60-80 μm), pentru protecție superioară și aspect.

Cârlig drept cu filet holşşurub şi locaş cruce



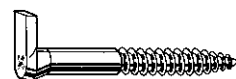
Date tehnice

d_1	d_2	h
5.25	5.3	16
5.8	5.8	18

17140 Cârlig drept cu filet holşşurub şi locaş cruce

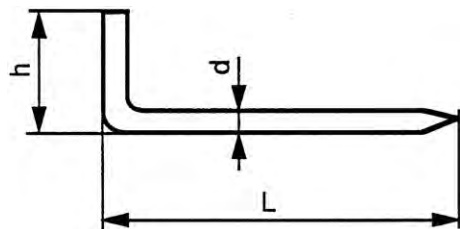
F11B

Material Oţel
Tratament al suprafeţei Zincat



$d_1 \times L$	☒		$d_1 \times L$	☒		$d_1 \times L$	☒	
5.25X40MM	100	17140.052.040	5.8X65MM	100	17140.060.065	5.8X80MM	100	17140.060.080
5.25X50MM	100	17140.052.050						

Cui cârlig drept



Date tehnice

$d \times L$	h	$d \times L$	h
2.5x20	10	4.0x50	19
2.5x25	12	4.0x60	20
3.0x30	13	5.0x80	21
3.5x40	16		

17080 Cui cârlig drept

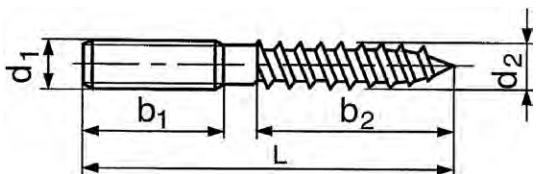
F11B

Material Oţel
Tratament al suprafeţei Zincat



$d \times L$	☒		$d \times L$	☒		$d \times L$	☒	
2.5X20MM	100	17080.000.020	3.5X40MM	100	17080.000.040	4.0X60MM	100	17080.000.060
2.5X25MM	100	17080.000.025	4.0X50MM	100	17080.000.050	5.0X80MM	100	17080.000.080
3.0X30MM	100	17080.000.030						

Prezon combinat oțel



Date tehnice

d ₁ x L	b ₁	b ₂	d ₂	Locaș	P
M4x20	10	10	4.2	-	0.7
M4x25	10	10	4.2	-	0.7
M4x30	10	15	4.2	-	0.7
M4x35	15	15	4.2	-	0.7
M4x40	17	20	4.2	-	0.7
M5x25	10	15	5.35	-	0.8
M5x40	15	20	5.35	-	0.8
M5x50	20	20	5.35	-	0.8
M6x40	17	23	6	T15	1
M6x50	20	25	6	T15	1
M6x60	20	30	6	T15	1
M6x70	30	30	6	T15	1
M6x80	20	30	6	T15	1
M6x90	30	30	6	T15	1
M6x120	30	30	6	T15	1
M6x150	30	30	6	T15	1

5

17320 Prezon combinat oțel

F11B

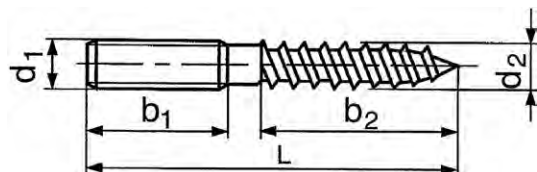
Filete Filet metric
Material Oțel
Tratament al suprafeței Zincat



d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒
M4X20	100	M5X25	100	M6X60	100
M4X25	100	M5X40	100	M6X70	100
M4X30	100	M5X50	100	M6X80	100
M4X35	100			M6X90	100
M4X40	100	M6X40	100	M6X120	100
		M6X50	100	M6X150	100

- Doar M6 cu T15 Hexalobular.

Prezon combinat oțel inoxidabil



Date tehnice

d ₁	b ₁	b ₂	d ₂	P
M6	50	47	6.3	1
M8	50	62	7.3	1.25
M12	205	100	10.7	1.75

51287 Prezon combinat oțel inoxidabil

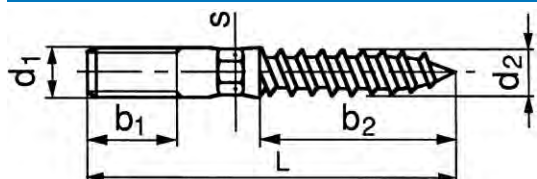
F11A

Filete Filet metric
Material Oțel inoxidabil A2
Clasă 50



d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒
6X50MM*	100	6X140MM*	100	8X150MM*	100
6X60MM*	100	6X150MM*	100	8X160MM*	100
6X70MM*	100	6X160MM*	100	8X180MM*	50
6X80MM*	100	6X180MM*	100	8X200MM*	50
6X90MM*	100			8X220MM*	50
6X100MM*	100	8X50MM*	100	12X80MM*	50
6X120MM*	100	8X60MM*	100	12X300MM*	50
6X130MM*	100	8X70MM*	100		

Prezon combinat oțel inoxidabil cu hexagon



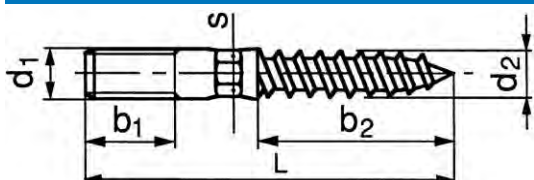
Date tehnice

d ₁ x L	b ₁	b ₂	d ₂	P	s
M6x60	20	30	6	1	6
M8x60	20	30	7.3	1.25	6
M8x80	30	40	7.3	1.25	6
M8x90	30	40	7.3	1.25	6
M8x100	40	40	7.3	1.25	6
M8x120	50	50	7.3	1.25	6
M8x110	40	47	7.3	1.25	6
M8x130	50	47	7.3	1.25	6
M8x140	50	47	7.3	1.25	6
M8x150	50	50	7.3	1.25	6
M10x60	20	37	9.0	1.50	-
M10x80	30	40	9.0	1.50	8
M10x90	30	50	9.0	1.50	8
M10x100	30	60	9.0	1.50	8
M10x120	50	60	9.0	1.50	8
M10x140	50	60	9.0	1.50	8
M10x150	50	57	9.0	1.50	8
M10x160	80	57	9.0	1.50	8
M10x180	100	57	9.0	1.50	8
M10x200	100	57	9.0	1.50	8
M10x220	100	57	9.0	1.50	8
M10x250	100	57	9.0	1.50	8

17576 Prezon combinat oțel inoxidabil cu hexagon		F11C
Filete	Filet metric	
Material	Oțel inoxidabil A2	
		 

d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒			
M6X60	100	17576.060.060	M8X130*	100	17576.080.130			
			M8X140*	100	17576.080.140			
M8X60	100	17576.080.060			M10X140	50	17576.100.140	
M8X80	100	17576.080.080			M10X150*	50	17576.100.150	
M8X100	50	17576.080.100	M10X60*	100	17576.100.060	M10X160*	50	17576.100.160
M8X110*	100	17576.080.110	M10X80	100	17576.100.080	M10X180*	50	17576.100.180
M8X120	50	17576.080.120	M10X100	50	17576.100.100	M10X200*	50	17576.100.200
			M10X120	50	17576.100.120	M10X220*	50	17576.100.220
					M10X250*	50	17576.100.250	

Prezon combinat oțel inoxidabil cu hexagon extra lung



5

Date tehnice					
d ₁	b ₁	b ₂	d ₂	P	s
M8	50	47	7.3	1.25	6
M10	50	57	9	1.5	8
M12	150	100	10.7	1.75	10

Grupe de articole					
Filete	Tip antrenare	Material	Clasă	Cod	Pag.
M	Hexagonal	INOX A2	50	51281	5-39
M	Hexagonal	INOX A4	50	55282	5-39

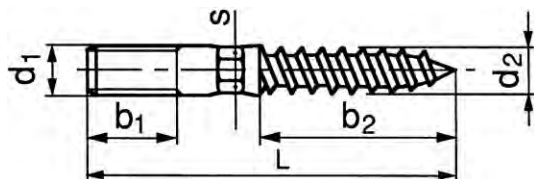
51281 Prezon combinat oțel inoxidabil cu hexagon & zonă nefiletată		F11A
Filete	Filet metric	
Material	Oțel inoxidabil A2	
Clasă	50	
		 

d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒	
M12X100*	50	51281.120.100	M12X160*	50	51281.120.160	
M12X120*	50	51281.120.120	M12X180*	50	51281.120.180	
M12X140*	50	51281.120.140	M12X200*	50	51281.120.200	
				M12X250*	50	51281.120.250
				M12X300*	50	51281.120.300

55282 Prezon combinat oțel inoxidabil cu hexagon & zonă nefiletată		R43A
Filete	Filet metric	
Material	Oțel inoxidabil A4	
Clasă	50	
		 

d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒
M8X50*	100	55282.080.050	M8X120*	100	55282.080.120
M8X60*	100	55282.080.060	M10X60*	100	55282.100.060
M8X80*	100	55282.080.080	M10X80*	100	55282.100.080
M8X90*	100	55282.080.090	M10X90*	100	55282.100.090
M8X100*	100	55282.080.100	M10X100*	100	55282.100.100
			M10X120*	100	55282.100.120
			M10X140*	50	55282.100.140

Prezon combinat oțel cu hexagon & locaș hexalobular



Date tehnice

d ₁ x L	b ₁	b ₂	d ₂	Locaș	P	s
M8x50	15	30	7.3	T25	1.25	6
M8x60	20	30	7.3	T25	1.25	6
M8x70	25	30	7.3	T25	1.25	6
M8x80	30	40	7.3	T25	1.25	6
M8x90	30	40	7.3	T25	1.25	6
M8x100	40	40	7.3	T25	1.25	6
M8x120	50	50	7.3	T25	1.25	6
M8x140	50	50	7.3	T25	1.25	6
M8x150	50	50	7.3	T25	1.25	6
M8x160	50	50	7.3	T25	1.25	6
M10x60	20	40	9	T25	1.5	8
M10x70	30	30	9	T25	1.5	8
M10x80	30	40	9	T25	1.5	8
M10x90	30	50	9	T25	1.5	8
M10x100	30	60	9	T25	1.5	8
M10x110	40	60	9	T25	1.5	8
M10x120	50	60	9	T25	1.5	8
M10x130	50	60	9	T25	1.5	8
M10x140	50	60	9	T25	1.5	8
M12x100	30	55	10.7	T30	1.75	10
M12x120	30	55	10.7	T30	1.75	10
M12x145	40	55	10.7	T30	1.75	10
M12x165	40	55	10.7	T30	1.75	10

Grupe de articole

Filete	Material	Tratament al suprafeței	Cod	Pag.
M	Oțel	Zn69G	17310	5-40
M	Oțel	Zn69	17315	5-40

17310 Prezon combinat oțel cu hexagon & locaș hexalobular

F11B

Filete Filet metric
Material Oțel
Tratament al suprafeței Zincat



d ₁ x L	☒	d ₁ x L	☒	d ₁ x L	☒			
M8X50	100	17310.080.050	M8X140	100	17310.080.140	M10X90	50	17310.100.090
M8X60	100	17310.080.060	M8X150	100	17310.080.150	M10X100	50	17310.100.100
M8X70	100	17310.080.070	M8X160	100	17310.080.160	M10X110	50	17310.100.110
M8X80	100	17310.080.080				M10X120	50	17310.100.120
M8X90	100	17310.080.090	M10X60	100	17310.100.060	M10X130	50	17310.100.130
M8X100	100	17310.080.100	M10X70	100	17310.100.070	M10X140	50	17310.100.140
M8X120	100	17310.080.120	M10X80	100	17310.100.080			

17315 Prezon combinat oțel cu hexagon & locaș hexalobular

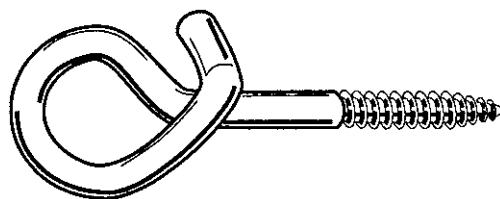
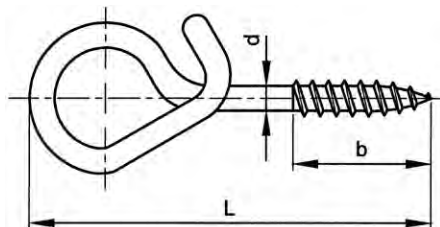
F11B

Filete Filet metric
Material Oțel
Tratament al suprafeței Zincat



d ₁ x L	✉	d ₁ x L	✉	d ₁ x L	✉			
M12X100	50	17315.120.100	M12X140	50	17315.120.145	M12X160	50	17315.120.165
M12X120	50	17315.120.120						

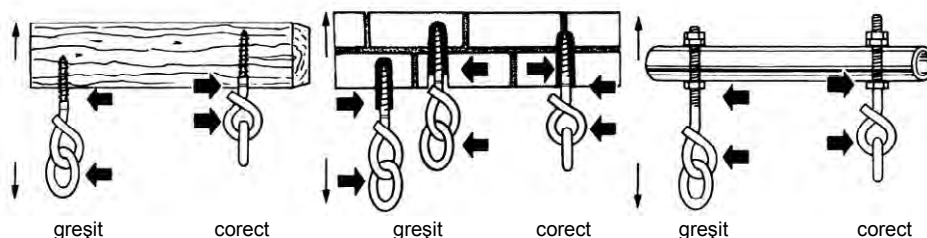
Cârlig de suspendare de siguranță, filet Holzşurub



Date tehnice

d	b	d ₂
10	45	9.5
11.8	55	11.5

Date asamblare



- cârligele de suspendare de siguranță trebuie să fie montate suficient de adânc încât întreaga parte filetată **să nu fie vizibilă**
- cârligele de suspendare de siguranță trebuie să fie montate **transversal** pe direcția de mișcare (în acest fel inelul se învâрте, nu alunecă în cârlig și deci uzura este redusă la minim)
- cârligele de suspendare și inelele trebuie unse regulat!
- date suplimentare legate de asamblare în fiecare ambalaj al acestor cârlige de suspendare

5

17443 Cârlig de suspendare de siguranță, filet Holzşurub

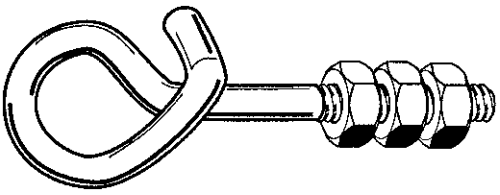
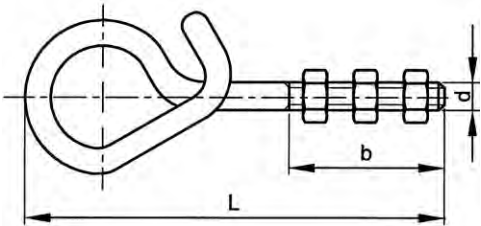
F11B

Material Oțel
Tratament al suprafeței Zincat

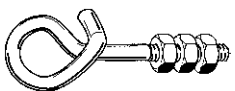


d x L	☒		d x L	☒		d x L	☒	
10X125MM	10	17443.100.125	10X160MM	10	17443.100.160	11,8X140MM	10	17443.120.140
10X140MM	10	17443.100.140				11,8X160MM	10	17443.120.160

Cârlig de suspendare de siguranță, filet metric

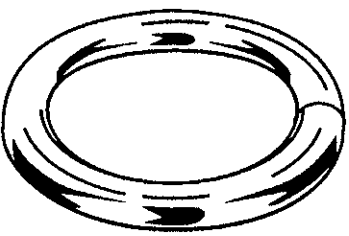
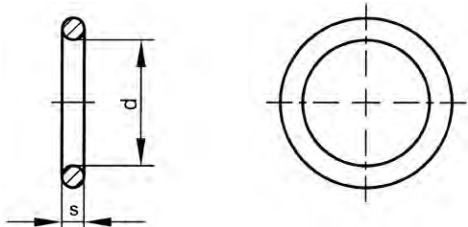


Date tehnice	
d	P
M12	1.75

17445	Cârlig de suspendare de siguranță, filet metric	F11B
Filete	Filet metric	
Material	Oțel	
Tratament al suprafeței	Zincat	
		
		

d x L/b	☒		d x L/b	☒		d x L/b	☒	
M12X140X65	10	17445.120.140	M12X180X80	10	17445.120.180	M12X250X160	10	17445.120.250
M12X160X80	10	17445.120.160						

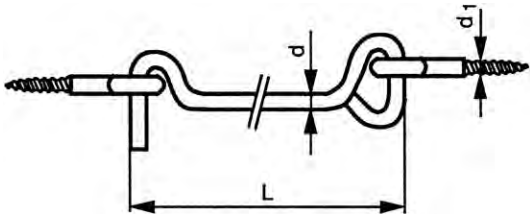
Inel sudat pentru cârlige de suspendare



17447	Inel sudat pentru cârlige de suspendare, art. 119G	F11B
Material	Oțel	
Tratament al suprafeței	Zincat	
		
		

s x d	☒	
9X45MM	10	17447.090.045

Ansamblu de cârlig de poartă



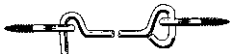
Date tehnice

L	d	d ₁	L	d	d ₁
100	4.4	4.0	200	5.25	4.75
160	5.25	4.75	250	6.0	5.25

17571 Ansamblu de cârlig de poartă 63R

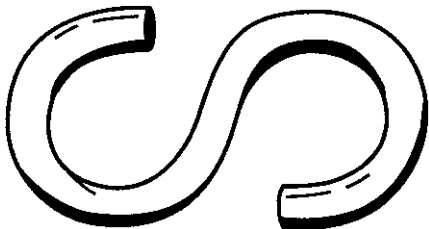
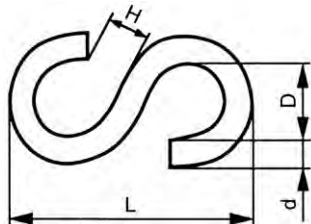
F11C

Material Oțel inoxidabil A2



L	☒		L	☒		L	☒	
100MM	50	17571.040.100	200MM	25	17571.052.200	250MM	25	17571.060.250
160MM	25	17571.052.160						

Cârlig S



Date tehnice

Nr.	d	D	H	Nr.	d	D	H
30	3	7	3.5	55	6	15	6
35	3.45	9	4	60	6	16	7
40	4	11	5	70	7	20	7.5
45	4	12	5	80	8.4	23	8.5
50	5	14	5.5				

17380 Cârlig S

F11B

Material Oțel
Tratament al suprafeței Zincat



Nr.(L)	☒		Nr.(L)	☒		Nr.(L)	☒	
NO.30 (25MM)	100	17380.000.030	NO.45 (40MM)	100	17380.000.045	NO.60 (55MM)	100	17380.000.060
NO.35 (30MM)	100	17380.000.035	NO.50 (45MM)	100	17380.000.050	NO.70 (65MM)	50	17380.000.070
NO.40 (35MM)	100	17380.000.040	NO.55 (50MM)	100	17380.000.055	NO.80 (75MM)	50	17380.000.080