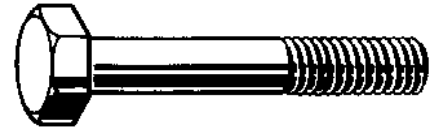
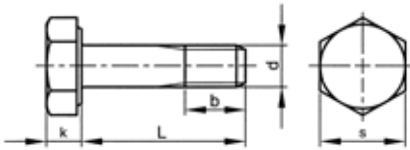


High-strength structural bolt

EN 14399-4

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Technical data

d	P	b	k	s
M12	1,75	23	8	22
M16	2	28	10	27
M20	2,5	33	13	32
M22	2,5	34	14	36
M24	3	39	15	41
M27	3	41	17	46
M30	3,5	44	19	50
M36	4	52	23	60
M39	4	68	25	65
M42	4,5	74	26	70
M45	4,5	76	28	75
M48	5	82	30	80
M56	5,5	90	35	90
M64	6	100	40	100

- PEINER HV-bolts in sizes M12 to M36 are specified in EN 14399-4. Bolts from M39 to M64 are defined in DAST guideline 021.
- PEINER HV-bolts with associated HV-nuts and HV-rings may be used only as a set from one and the same supplier.

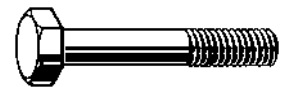
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	10.9		Standard	04005	1-77
M	hexagon	St	10.9	Hot d.g.	Standard	04210	1-78

04005 PEINER High-strength structural bolt

C05A

Thread Metric thread
 Material Steel
 Class 10.9
 Packaging Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M12X30	100	04005.120.030	M16X130	25	04005.160.130	M20X200	15	04005.200.200
M12X35	100	04005.120.035	M16X140	25	04005.160.140	M20X210	15	04005.200.210
M12X40	100	04005.120.040	M16X150	25	04005.160.150	M20X220	15	04005.200.220
M12X45	100	04005.120.045	M16X160	25	04005.160.160	M20X230	15	04005.200.230
M12X50	100	04005.120.050	M16X170	25	04005.160.170	M20X240	15	04005.200.240
M12X55	100	04005.120.055	M16X180	25	04005.160.180	M20X250	15	04005.200.250
M12X60	50	04005.120.060	M16X190	25	04005.160.190	M20X260	15	04005.200.260
M12X65	50	04005.120.065	M16X200	25	04005.160.200			
M12X70	50	04005.120.070	M16X210	25	04005.160.210	M22X50	25	04005.220.050
M12X75	50	04005.120.075	M16X220	25	04005.160.220	M22X55	25	04005.220.055
M12X80	50	04005.120.080				M22X60	25	04005.220.060
M12X85	50	04005.120.085	M20X40	25	04005.200.040	M22X65	25	04005.220.065
M12X90	50	04005.120.090	M20X45	25	04005.200.045	M22X70	25	04005.220.070
M12X100	50	04005.120.100	M20X50	25	04005.200.050	M22X75	25	04005.220.075
M12X110	50	04005.120.110	M20X55	25	04005.200.055	M22X80	25	04005.220.080
M12X120	50	04005.120.120	M20X60	25	04005.200.060	M22X85	25	04005.220.085
			M20X65	25	04005.200.065	M22X90	25	04005.220.090
M16X35	50	04005.160.035	M20X70	25	04005.200.070	M22X100	25	04005.220.100
M16X40	50	04005.160.040	M20X75	25	04005.200.075	M22X110	25	04005.220.110
M16X45	50	04005.160.045	M20X80	25	04005.200.080	M22X120	25	04005.220.120
M16X50	50	04005.160.050	M20X85	25	04005.200.085	M22X130	25	04005.220.130
M16X55	50	04005.160.055	M20X90	25	04005.200.090	M22X140	20	04005.220.140
M16X60	50	04005.160.060	M20X100	25	04005.200.100	M22X150	15	04005.220.150
M16X65	50	04005.160.065	M20X110	25	04005.200.110	M22X160	15	04005.220.160
M16X70	50	04005.160.070	M20X120	25	04005.200.120	M22X170	15	04005.220.170
M16X75	50	04005.160.075	M20X130	25	04005.200.130	M22X180	15	04005.220.180
M16X80	25	04005.160.080	M20X140	25	04005.200.140	M22X200	15	04005.220.200
M16X85	25	04005.160.085	M20X150	25	04005.200.150			
M16X90	25	04005.160.090	M20X160	20	04005.200.160	M24X50	25	04005.240.050
M16X100	25	04005.160.100	M20X170	20	04005.200.170	M24X55	25	04005.240.055
M16X110	25	04005.160.110	M20X180	15	04005.200.180	M24X60	25	04005.240.060
M16X120	25	04005.160.120	M20X190	15	04005.200.190	M24X65	25	04005.240.065

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04005 PEINER High-strength structural bolt

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M24X70	25	04005.240.070	M27X100	10	04005.270.100	M30X180	5	04005.300.180
M24X75	25	04005.240.075	M27X110	10	04005.270.110	M30X190	5	04005.300.190
M24X80	25	04005.240.080	M27X115	10	04005.270.115	M30X200	5	04005.300.200
M24X85	25	04005.240.085	M27X120	10	04005.270.120	M30X210	5	04005.300.210
M24X90	25	04005.240.090	M27X130	10	04005.270.130	M30X220	5	04005.300.220
M24X100	25	04005.240.100	M27X140	10	04005.270.140	M30X230	5	04005.300.230
M24X105	25	04005.240.105	M27X150	10	04005.270.150	M30X240	5	04005.300.240
M24X110	25	04005.240.110	M27X160	10	04005.270.160	M30X250	5	04005.300.250
M24X120	20	04005.240.120	M27X170	10	04005.270.170	M30X260	5	04005.300.260
M24X130	20	04005.240.130	M27X180	10	04005.270.180			
M24X140	20	04005.240.140	M27X190	10	04005.270.190	M36X80	5	04005.360.080
M24X150	15	04005.240.150	M27X200	10	04005.270.200	M36X90	5	04005.360.090
M24X160	15	04005.240.160	M27X210	10	04005.270.210	M36X100	5	04005.360.100
M24X170	10	04005.240.170	M27X220	10	04005.270.220	M36X110	5	04005.360.110
M24X180	10	04005.240.180	M27X230	10	04005.270.230	M36X120	5	04005.360.120
M24X190	10	04005.240.190	M27X250	10	04005.270.250	M36X130	5	04005.360.130
M24X200	10	04005.240.200	M27X260	10	04005.270.260	M36X140	5	04005.360.140
M24X210	10	04005.240.210				M36X150	5	04005.360.150
M24X220	10	04005.240.220	M30X70	10	04005.300.070	M36X160	5	04005.360.160
M24X230	10	04005.240.230	M30X75	10	04005.300.075	M36X170	5	04005.360.170
M24X240	10	04005.240.240	M30X80	10	04005.300.080	M36X190	5	04005.360.190
M24X250	10	04005.240.250	M30X85	10	04005.300.085	M36X200	5	04005.360.200
M24X260	10	04005.240.260	M30X90	10	04005.300.090	M36X210	5	04005.360.210
			M30X100	10	04005.300.100	M36X220	5	04005.360.220
M27X60	10	04005.270.060	M30X110	10	04005.300.110	M36X230	5	04005.360.230
M27X65	10	04005.270.065	M30X120	10	04005.300.120	M36X240	5	04005.360.240
M27X70	10	04005.270.070	M30X130	10	04005.300.130	M36X250	5	04005.360.250
M27X75	10	04005.270.075	M30X140	10	04005.300.140	M36X260	5	04005.360.260
M27X80	10	04005.270.080	M30X150	10	04005.300.150			
M27X85	10	04005.270.085	M30X160	10	04005.300.160			
M27X90	10	04005.270.090	M30X170	10	04005.300.170			

• Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

04210 PEINER High-strength structural bolt C05A

Thread	Metric thread		
Material	Steel		
Class	10.9		
Surface treatment	Hot dip galvanized		
Packaging	Standard		

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M12X30	100	04210.120.030	M16X220	25	04210.160.220	M22X95	25	04210.220.095
M12X35	100	04210.120.035				M22X100	25	04210.220.100
M12X40	100	04210.120.040	M20X40	25	04210.200.040	M22X110	25	04210.220.110
M12X45	100	04210.120.045	M20X45	25	04210.200.045	M22X120	25	04210.220.120
M12X50	100	04210.120.050	M20X50	25	04210.200.050	M22X130	25	04210.220.130
M12X55	100	04210.120.055	M20X55	25	04210.200.055	M22X140	20	04210.220.140
M12X60	50	04210.120.060	M20X60	25	04210.200.060	M22X150	15	04210.220.150
M12X65	50	04210.120.065	M20X65	25	04210.200.065	M22X160	15	04210.220.160
M12X70	50	04210.120.070	M20X70	25	04210.200.070	M22X170	15	04210.220.170
M12X75	50	04210.120.075	M20X75	25	04210.200.075	M22X180	15	04210.220.180
M12X80	50	04210.120.080	M20X80	25	04210.200.080	M22X190	15	04210.220.190
M12X85	50	04210.120.085	M20X85	25	04210.200.085	M22X200	15	04210.220.200
M12X90	50	04210.120.090	M20X90	25	04210.200.090			
M12X95	50	04210.120.095	M20X95	25	04210.200.095	M24X50	25	04210.240.050
M12X100	50	04210.120.100	M20X100	25	04210.200.100	M24X55	25	04210.240.055
M12X110	50	04210.120.110	M20X105	25	04210.200.105	M24X60	25	04210.240.060
M12X120	50	04210.120.120	M20X110	25	04210.200.110	M24X65	25	04210.240.065
			M20X115	25	04210.200.115	M24X70	25	04210.240.070
M16X35	50	04210.160.035	M20X120	25	04210.200.120	M24X75	25	04210.240.075
M16X40	50	04210.160.040	M20X125	25	04210.200.125	M24X80	25	04210.240.080
M16X45	50	04210.160.045	M20X130	25	04210.200.130	M24X85	25	04210.240.085
M16X50	50	04210.160.050	M20X140	25	04210.200.140	M24X90	25	04210.240.090
M16X55	50	04210.160.055	M20X150	25	04210.200.150	M24X95	25	04210.240.095
M16X60	50	04210.160.060	M20X160	20	04210.200.160	M24X100	25	04210.240.100
M16X65	50	04210.160.065	M20X170	20	04210.200.170	M24X105	25	04210.240.105
M16X70	50	04210.160.070	M20X180	15	04210.200.180	M24X110	25	04210.240.110
M16X75	50	04210.160.075	M20X190	15	04210.200.190	M24X115	25	04210.240.115
M16X80	25	04210.160.080	M20X200	15	04210.200.200	M24X120	20	04210.240.120
M16X85	25	04210.160.085	M20X210	15	04210.200.210	M24X125	20	04210.240.125
M16X90	25	04210.160.090	M20X220	15	04210.200.220	M24X130	20	04210.240.130
M16X95	25	04210.160.095	M20X230	15	04210.200.230	M24X135	20	04210.240.135
M16X100	25	04210.160.100	M20X240	15	04210.200.240	M24X140	20	04210.240.140
M16X110	25	04210.160.110	M20X250	15	04210.200.250	M24X150	15	04210.240.150
M16X115	25	04210.160.115	M20X260	15	04210.200.260	M24X160	15	04210.240.160
M16X120	25	04210.160.120				M24X170	10	04210.240.170
M16X130	25	04210.160.130	M22X50	25	04210.220.050	M24X180	10	04210.240.180
M16X140	25	04210.160.140	M22X55	25	04210.220.055	M24X190	10	04210.240.190
M16X150	25	04210.160.150	M22X60	25	04210.220.060	M24X200	10	04210.240.200
M16X160	25	04210.160.160	M22X65	25	04210.220.065	M24X210	10	04210.240.210
M16X170	25	04210.160.170	M22X70	25	04210.220.070	M24X220	10	04210.240.220
M16X180	25	04210.160.180	M22X75	25	04210.220.075	M24X230	10	04210.240.230
M16X190	25	04210.160.190	M22X80	25	04210.220.080	M24X240	10	04210.240.240
M16X200	25	04210.160.200	M22X85	25	04210.220.085	M24X250	10	04210.240.250
M16X210	25	04210.160.210	M22X90	25	04210.220.090	M24X260	10	04210.240.260

04210 PEINER High-strength structural bolt

d x L	Art.number	d x L	Art.number	d x L	Art.number
M27X60	10 04210.270.060	M36X200	5 04210.360.200	M42X290	1 04210.420.290
M27X65	10 04210.270.065	M36X210	5 04210.360.210	M42X300	1 04210.420.300
M27X70	10 04210.270.070	M36X220	5 04210.360.220	M42X310	1 04210.420.310
M27X75	10 04210.270.075	M36X230	5 04210.360.230	M42X320	1 04210.420.320
M27X80	10 04210.270.080	M36X240	5 04210.360.240	M42X330	1 04210.420.330
M27X85	10 04210.270.085	M36X250	5 04210.360.250	M42X340	1 04210.420.340
M27X90	10 04210.270.090	M36X260	5 04210.360.260	M42X350	1 04210.420.350
M27X95	10 04210.270.095	M36X270	1 04210.360.270	M42X360	1 04210.420.360
M27X100	10 04210.270.100	M36X280	1 04210.360.280	M42X370	1 04210.420.370
M27X110	10 04210.270.110	M36X290	1 04210.360.290	M42X380	1 04210.420.380
M27X115	10 04210.270.115	M36X300	1 04210.360.300	M42X390	1 04210.420.390
M27X120	10 04210.270.120	M36X310	1 04210.360.310	M42X400	1 04210.420.400
M27X125	10 04210.270.125	M36X320	1 04210.360.320	M42X410	1 04210.420.410
M27X130	10 04210.270.130	M36X330	1 04210.360.330	M42X420	1 04210.420.420
M27X140	10 04210.270.140	M36X340	1 04210.360.340	M42X430	1 04210.420.430
M27X150	10 04210.270.150	M36X350	1 04210.360.350	M42X440	1 04210.420.440
M27X160	10 04210.270.160	M36X360	1 04210.360.360	M42X450	1 04210.420.450
M27X170	10 04210.270.170	M36X370	1 04210.360.370	M42X460	1 04210.420.460
M27X180	10 04210.270.180	M36X380	1 04210.360.380	M42X470	1 04210.420.470
M27X190	10 04210.270.190	M36X390	1 04210.360.390	M42X480	1 04210.420.480
M27X200	10 04210.270.200	M36X400	1 04210.360.400	M42X490	1 04210.420.490
M27X210	10 04210.270.210	M36X410	1 04210.360.410	M42X500	1 04210.420.500
M27X220	10 04210.270.220	M36X420	1 04210.360.420		
M27X230	10 04210.270.230	M36X430	1 04210.360.430	M45X120	1 04210.450.120
M27X240	10 04210.270.240	M36X440	1 04210.360.440	M45X130	1 04210.450.130
M27X250	10 04210.270.250	M36X450	1 04210.360.450	M45X140	1 04210.450.140
M27X260	10 04210.270.260	M36X460	1 04210.360.460	M45X150	1 04210.450.150
		M36X470	1 04210.360.470	M45X160	1 04210.450.160
M30X70	10 04210.300.070	M36X480	1 04210.360.480	M45X170	1 04210.450.170
M30X75	10 04210.300.075	M36X490	1 04210.360.490	M45X180	1 04210.450.180
M30X80	10 04210.300.080	M36X500	1 04210.360.500	M45X190	1 04210.450.190
M30X85	10 04210.300.085			M45X200	1 04210.450.200
M30X90	10 04210.300.090	M39X110	1 04210.390.110	M45X210	1 04210.450.210
M30X95	10 04210.300.095	M39X120	1 04210.390.120	M45X220	1 04210.450.220
M30X100	10 04210.300.100	M39X130	1 04210.390.130	M45X230	1 04210.450.230
M30X110	10 04210.300.110	M39X140	1 04210.390.140	M45X240	1 04210.450.240
M30X120	10 04210.300.120	M39X150	1 04210.390.150	M45X250	1 04210.450.250
M30X130	10 04210.300.130	M39X160	1 04210.390.160	M45X260	1 04210.450.260
M30X140	10 04210.300.140	M39X170	1 04210.390.170	M45X270	1 04210.450.270
M30X150	10 04210.300.150	M39X180	1 04210.390.180	M45X280	1 04210.450.280
M30X160	10 04210.300.160	M39X190	1 04210.390.190	M45X290	1 04210.450.290
M30X170	10 04210.300.170	M39X200	1 04210.390.200	M45X300	1 04210.450.300
M30X180	5 04210.300.180	M39X210	1 04210.390.210	M45X310	1 04210.450.310
M30X190	5 04210.300.190	M39X220	1 04210.390.220	M45X320	1 04210.450.320
M30X200	5 04210.300.200	M39X230	1 04210.390.230	M45X330	1 04210.450.330
M30X210	5 04210.300.210	M39X240	1 04210.390.240	M45X340	1 04210.450.340
M30X220	5 04210.300.220	M39X250	1 04210.390.250	M45X350	1 04210.450.350
M30X230	5 04210.300.230	M39X260	1 04210.390.260	M45X360	1 04210.450.360
M30X240	5 04210.300.240	M39X270	1 04210.390.270	M45X370	1 04210.450.370
M30X250	5 04210.300.250	M39X280	1 04210.390.280	M45X380	1 04210.450.380
M30X260	5 04210.300.260	M39X290	1 04210.390.290	M45X390	1 04210.450.390
M30X270	1 04210.300.270	M39X300	1 04210.390.300	M45X400	1 04210.450.400
M30X280	1 04210.300.280	M39X310	1 04210.390.310	M45X410	1 04210.450.410
M30X290	1 04210.300.290	M39X320	1 04210.390.320	M45X420	1 04210.450.420
M30X300	1 04210.300.300	M39X330	1 04210.390.330	M45X430	1 04210.450.430
M30X310	1 04210.300.310	M39X340	1 04210.390.340	M45X440	1 04210.450.440
M30X320	1 04210.300.320	M39X350	1 04210.390.350	M45X450	1 04210.450.450
M30X330	1 04210.300.330	M39X360	1 04210.390.360	M45X460	1 04210.450.460
M30X340	1 04210.300.340	M39X370	1 04210.390.370	M45X470	1 04210.450.470
M30X350	1 04210.300.350	M39X380	1 04210.390.380	M45X480	1 04210.450.480
M30X360	1 04210.300.360	M39X390	1 04210.390.390	M45X490	1 04210.450.490
M30X370	1 04210.300.370	M39X400	1 04210.390.400	M45X500	1 04210.450.500
M30X380	1 04210.300.380	M39X410	1 04210.390.410		
M30X390	1 04210.300.390	M39X420	1 04210.390.420	M48X130	1 04210.480.130
M30X400	1 04210.300.400	M39X430	1 04210.390.430	M48X140	1 04210.480.140
M30X410	1 04210.300.410	M39X440	1 04210.390.440	M48X150	1 04210.480.150
M30X420	1 04210.300.420	M39X450	1 04210.390.450	M48X160	1 04210.480.160
M30X430	1 04210.300.430	M39X460	1 04210.390.460	M48X170	1 04210.480.170
M30X440	1 04210.300.440	M39X470	1 04210.390.470	M48X180	1 04210.480.180
M30X450	1 04210.300.450	M39X480	1 04210.390.480	M48X190	1 04210.480.190
M30X460	1 04210.300.460	M39X490	1 04210.390.490	M48X200	1 04210.480.200
M30X470	1 04210.300.470	M39X500	1 04210.390.500	M48X210	1 04210.480.210
M30X480	1 04210.300.480			M48X220	1 04210.480.220
M30X490	1 04210.300.490	M42X120	1 04210.420.120	M48X230	1 04210.480.230
M30X500	1 04210.300.500	M42X130	1 04210.420.130	M48X240	1 04210.480.240
		M42X140	1 04210.420.140	M48X250	1 04210.480.250
M36X80	5 04210.360.080	M42X150	1 04210.420.150	M48X260	1 04210.480.260
M36X85	5 04210.360.085	M42X160	1 04210.420.160	M48X270	1 04210.480.270
M36X90	5 04210.360.090	M42X170	1 04210.420.170	M48X280	1 04210.480.280
M36X95	5 04210.360.095	M42X180	1 04210.420.180	M48X290	1 04210.480.290
M36X100	5 04210.360.100	M42X190	1 04210.420.190	M48X300	1 04210.480.300
M36X110	5 04210.360.110	M42X200	1 04210.420.200	M48X310	1 04210.480.310
M36X120	5 04210.360.120	M42X210	1 04210.420.210	M48X320	1 04210.480.320
M36X130	5 04210.360.130	M42X220	1 04210.420.220	M48X330	1 04210.480.330
M36X140	5 04210.360.140	M42X230	1 04210.420.230	M48X340	1 04210.480.340
M36X150	5 04210.360.150	M42X240	1 04210.420.240	M48X350	1 04210.480.350
M36X160	5 04210.360.160	M42X245	1 04210.420.245	M48X360	1 04210.480.360
M36X170	5 04210.360.170	M42X250	1 04210.420.250	M48X370	1 04210.480.370
M36X180	5 04210.360.180	M42X260	1 04210.420.260	M48X380	1 04210.480.380
M36X190	5 04210.360.190	M42X270	1 04210.420.270	M48X390	1 04210.480.390
		M42X280	1 04210.420.280	M48X400	1 04210.480.400

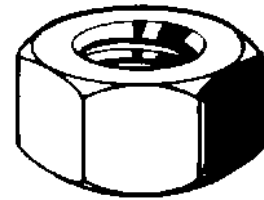
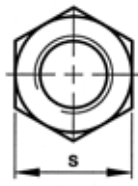
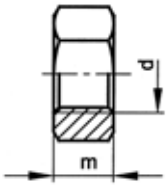
04210 PEINER High-strength structural bolt

1

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M48X410	1	04210.480.410	M56X320	1	04210.560.320	M64X240	1	04210.640.240
M48X420	1	04210.480.420	M56X330	1	04210.560.330	M64X250	1	04210.640.250
M48X430	1	04210.480.430	M56X340	1	04210.560.340	M64X260	1	04210.640.260
M48X440	1	04210.480.440	M56X350	1	04210.560.350	M64X270	1	04210.640.270
M48X450	1	04210.480.450	M56X360	1	04210.560.360	M64X280	1	04210.640.280
M48X460	1	04210.480.460	M56X370	1	04210.560.370	M64X290	1	04210.640.290
M48X470	1	04210.480.470	M56X380	1	04210.560.380	M64X300	1	04210.640.300
M48X480	1	04210.480.480	M56X390	1	04210.560.390	M64X310	1	04210.640.310
M48X490	1	04210.480.490	M56X400	1	04210.560.400	M64X320	1	04210.640.320
M48X500	1	04210.480.500	M56X410	1	04210.560.410	M64X330	1	04210.640.330
			M56X420	1	04210.560.420	M64X340	1	04210.640.340
M56X140	1	04210.560.140	M56X430	1	04210.560.430	M64X350	1	04210.640.350
M56X150	1	04210.560.150	M56X440	1	04210.560.440	M64X360	1	04210.640.360
M56X160	1	04210.560.160	M56X450	1	04210.560.450	M64X370	1	04210.640.370
M56X170	1	04210.560.170	M56X460	1	04210.560.460	M64X380	1	04210.640.380
M56X180	1	04210.560.180	M56X470	1	04210.560.470	M64X390	1	04210.640.390
M56X190	1	04210.560.190	M56X480	1	04210.560.480	M64X400	1	04210.640.400
M56X200	1	04210.560.200	M56X490	1	04210.560.490	M64X410	1	04210.640.410
M56X210	1	04210.560.210	M56X500	1	04210.560.500	M64X420	1	04210.640.420
M56X220	1	04210.560.220				M64X430	1	04210.640.430
M56X230	1	04210.560.230	M64X150	1	04210.640.150	M64X440	1	04210.640.440
M56X240	1	04210.560.240	M64X160	1	04210.640.160	M64X450	1	04210.640.450
M56X250	1	04210.560.250	M64X170	1	04210.640.170	M64X460	1	04210.640.460
M56X260	1	04210.560.260	M64X180	1	04210.640.180	M64X470	1	04210.640.470
M56X270	1	04210.560.270	M64X190	1	04210.640.190	M64X480	1	04210.640.480
M56X280	1	04210.560.280	M64X200	1	04210.640.200	M64X490	1	04210.640.490
M56X290	1	04210.560.290	M64X210	1	04210.640.210	M64X500	1	04210.640.500
M56X300	1	04210.560.300	M64X220	1	04210.640.220			
M56X310	1	04210.560.310	M64X230	1	04210.640.230			

High-strength structural nut

EN 14399-4



Technical data

d	P	m	s
M12	1,75	10	22
M16	2	13	27
M20	2,5	16	32
M22	2,5	18	36
M24	3	20	41

d	P	m	s
M27	3	22	46
M30	3,5	24	50
M36	4	29	60
M39	4	31	65
M42	4,5	34	70

d	P	m	s
M45	4,5	36	75
M48	5	38	80
M56	5,5	45	90
M64	6	51	100

- Technical brochure available on request.

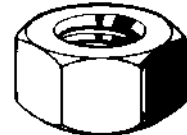
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	[10]		Standard	04025	1-81
M	hexagon	St	[10]	Hot d.g.	Standard	04225	1-81

04025 PEINER High-strength structural nut

C05A

Thread	Metric thread
Material	Steel
Class	[10]
Packaging	Standard

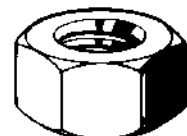


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M12	200	04025.120.001	M22	50	04025.220.001	M30	50	04025.300.001
M16	100	04025.160.001	M24	50	04025.240.001	M36	25	04025.360.001
M20	100	04025.200.001	M27	50	04025.270.001			

04225 PEINER High-strength structural nut

C05A

Thread	Metric thread
Material	Steel
Class	[10]
Surface treatment	Hot dip galvanized
Packaging	Standard

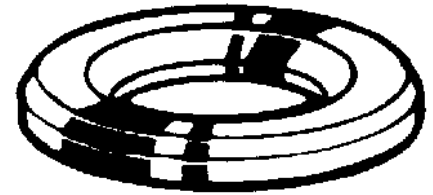
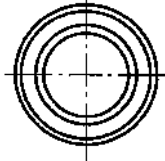
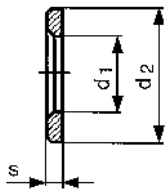


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M12	200	04225.120.001	M27	50	04225.270.001	M45	1	04225.450.001
M16	100	04225.160.001	M30	50	04225.300.001	M48	1	04225.480.001
M20	100	04225.200.001	M36	25	04225.360.001	M56	1	04225.560.001
M22	50	04225.220.001	M39	1	04225.390.001	M64	1	04225.640.001
M24	50	04225.240.001	M42	1	04225.420.001			

- Hot dip galvanized high-strength structural nuts acc. EN 14399-4 are supplied lubricated.

High-strength structural washer

EN 14399-6



Technical data

For nom.size	d ₁	d ₂	s
M12	13	24	3
M16	17	30	4
M20	21	37	4
M22	23	39	4
M24	25	44	4
M27	28	50	5
M30	31	56	5
M36	37	66	6
M39	41	72	6
M42	44	78	8
M45	47	85	8
M48	50	92	8
M56	58	105	10
M64	66	115	10

- Technical brochure available on request.

Article groups

Material	Surface treatment	Packaging	Code	Page
St 300-370 HV10		Standard	04035	1-82
St 300-370 HV10	Hot d.g.	Standard	04237	1-82

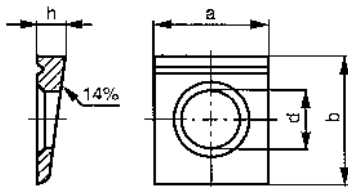
04035 PEINER High-strength structural washer		C05A	
Material	Steel 300-370 HV10		
Packaging	Standard		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M12	400	04035.120.001	M22	200	04035.220.001	M30	100	04035.300.001
M16	200	04035.160.001	M24	200	04035.240.001	M36	50	04035.360.001
M20	200	04035.200.001	M27	100	04035.270.001			

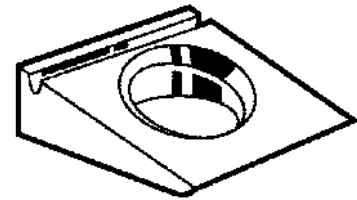
04237 PEINER High-strength structural washer		C05A	
Material	Steel 300-370 HV10		
Surface treatment	Hot dip galvanized		
Packaging	Standard		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M12	400	04237.120.001	M27	100	04237.270.001	M45	1	04237.450.001
M16	200	04237.160.001	M30	100	04237.300.001	M48	1	04237.480.001
M20	200	04237.200.001	M36	50	04237.360.001	M56	1	04237.560.001
M22	200	04237.220.001	M39	1	04237.390.001	M64	1	04237.640.001
M24	200	04237.240.001	M42	1	04237.420.001			

Square taper washer 14% for I-sections



DIN 6917
NEN 5515



Technical data

For nom.size	d	a	b	h
M12	13	26	30	6,2
M16	17	32	36	7,5
M20	21	40	44	9,2
M22	23	44	50	10
M24	25	56	56	10,8
M27	28	56	56	10,8
M30	31	62	62	11,7
M33 (#DIN)	34	62	62	11,7
M36	37	68	68	12,5



- Technical brochure available on request.

Article groups

Material	Surface treatment	Packaging	Code	Page
St 295-350 HV10		Standard	04040	1-83
St 295-350 HV10	Hot d.g.	Standard	04240	1-83

04040 PEINER Square taper washer 14% for I-sections C05A

Material: Steel 295-350 HV10
Packaging: Standard

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M12	200	04040.120.001	M20	100	04040.200.001	M24	50	04040.240.001
M16	100	04040.160.001	M22	50	04040.220.001	M30	50	04040.300.001

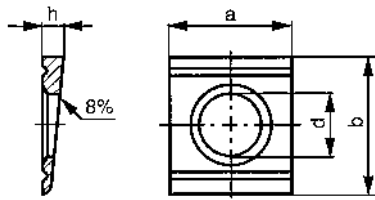
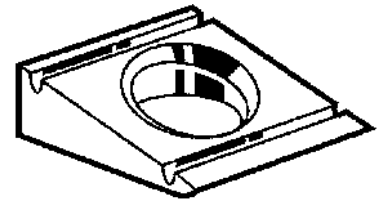
04240 PEINER Square taper washer 14% for I-sections C05A

Material: Steel 295-350 HV10
Surface treatment: Hot dip galvanized
Packaging: Standard




For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M12	200	04240.120.001	M22	50	04240.220.001	M30	50	04240.300.001
M16	100	04240.160.001	M24	50	04240.240.001	M36	50	04240.360.001
M20	100	04240.200.001	M27	50	04240.270.001			

1

Square taper washer 8% for U-section

 DIN 6918
 NEN 5514

Technical data

For nom.size	d	a	b	h
M12	13	26	30	4,9
M16	17	32	36	5,9
M20	21	40	44	7
M22	23	44	50	8
M24	25	56	56	8,5
M27	28	56	56	8,5
M30	31	62	62	9
M36	37	68	68	9,4


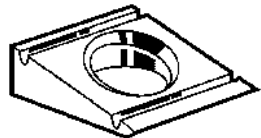
- Technical brochure available on request.

Article groups

Material	Surface treatment	Packaging	Code	Page
St 295-350 HV10		Standard	04050	1-84
St 295-350 HV10	Hot d.g.	Standard	04250	1-84

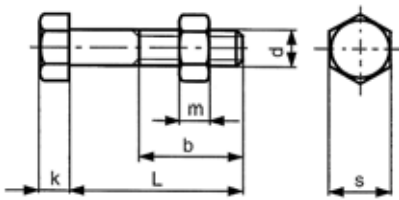
04050 PEINER Square taper washer 8% for U-section		C05A	
Material	Steel 295-350 HV10		
Packaging	Standard		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M12	200	04050.120.001	M20	100	04050.200.001	M24	50	04050.240.001
M16	100	04050.160.001	M22	50	04050.220.001	M27	50	04050.270.001

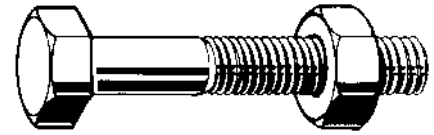
04250 PEINER Square taper washer 8% for U-section		C05A	
Material	Steel 295-350 HV10		
Surface treatment	Hot dip galvanized		
Packaging	Standard		

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M12	200	04250.120.001	M22	50	04250.220.001	M30	50	04250.300.001
M16	100	04250.160.001	M24	50	04250.240.001	M36	50	04250.360.001
M20	100	04250.200.001	M27	50	04250.270.001			

Structural assembly set



ISO 4014/4032
EN 15048



1

Technical data

d	P	b (min.): L≤125mm	b (min.): 125mm<L≤200mm	b (min.): L>200mm	k	m (max.)	s
M10	1,5	26	32	45	6,4	8,4	16
M12	1,75	30	36	49	7,5	10,8	18
M16	2	38	44	57	10	14,8	24
M20	2,5	46	52	65	12,5	18	30
M24	3	54	60	73	15	21,5	36
M27	3	60	66	79	17	23,8	41
M30	3,5	66	72	85	18,7	25,6	46
M33	3,5	72	78	91	21	28,7	50
M36	4	78	84	97	22,5	31	55

- Full boxes only.

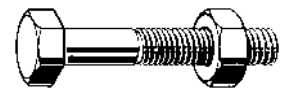
Article groups

Thread	Driving features	Material	Class	Surface treatment		Packaging	Code	Page
M	hexagon	St	8.8	Hot d.g.	iso metric	Standard	01405	1-85
M	hexagon	St	8.8	Zipl		Standard	01222	1-86

01405 Structural assembly set

A96A

Thread Metric thread
Material Steel
Class 8.8
Surface treatment Hot dip galvanized
Packaging Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M10X45	100	01405.100.045	M16X80	25	01405.160.080	M20X300	10	01405.200.300
M10X50	100	01405.100.050	M16X90	25	01405.160.090	M24X70	25	01405.240.070
M10X55	100	01405.100.055	M16X100	25	01405.160.100	M24X75	25	01405.240.075
M10X60	100	01405.100.060	M16X110	25	01405.160.110	M24X80	25	01405.240.080
M10X65	100	01405.100.065	M16X120	25	01405.160.120	M24X85	25	01405.240.085
M10X70	100	01405.100.070	M16X130	25	01405.160.130	M24X90	10	01405.240.090
M10X75	100	01405.100.075	M16X140	25	01405.160.140	M24X95	10	01405.240.095
M10X80	100	01405.100.080	M16X150	25	01405.160.150	M24X100	10	01405.240.100
M10X90	100	01405.100.090	M16X160	25	01405.160.160	M24X110	10	01405.240.110
M10X100	100	01405.100.100	M16X170	25	01405.160.170	M24X120	10	01405.240.120
M10X110	50	01405.100.110	M16X180	25	01405.160.180	M24X130	10	01405.240.130
M10X120	50	01405.100.120	M16X200	25	01405.160.200	M24X140	10	01405.240.140
M10X130	50	01405.100.130	M16X220	25	01405.160.220	M24X150	10	01405.240.150
M10X140	50	01405.100.140	M16X240	10	01405.160.240	M24X160	10	01405.240.160
M10X160	50	01405.100.160	M16X260	10	01405.160.260	M24X170	10	01405.240.170
M10X180	50	01405.100.180	M16X280	10	01405.160.280	M24X180	10	01405.240.180
			M16X300	10	01405.160.300	M24X180	10	01405.240.180
M12X50	100	01405.120.050				M24X200	10	01405.240.200
M12X55	100	01405.120.055	M20X65	25	01405.200.065	M24X220	10	01405.240.220
M12X60	100	01405.120.060	M20X70	25	01405.200.070	M24X240	10	01405.240.240
M12X65	50	01405.120.065	M20X75	25	01405.200.075	M24X260	10	01405.240.260
M12X70	50	01405.120.070	M20X80	25	01405.200.080	M24X280	10	01405.240.280
M12X75	50	01405.120.075	M20X85	25	01405.200.085	M24X300	10	01405.240.300
M12X80	50	01405.120.080	M20X90	25	01405.200.090			
M12X90	50	01405.120.090	M20X95	25	01405.200.095	M27X80	10	01405.270.080
M12X100	50	01405.120.100	M20X100	25	01405.200.100	M27X90	10	01405.270.090
M12X110	50	01405.120.110	M20X110	25	01405.200.110	M27X100	10	01405.270.100
M12X120	50	01405.120.120	M20X120	25	01405.200.120	M27X110	10	01405.270.110
M12X130	50	01405.120.130	M20X130	25	01405.200.130	M27X120	10	01405.270.120
M12X140	50	01405.120.140	M20X140	25	01405.200.140	M27X130	10	01405.270.130
M12X150	50	01405.120.150	M20X150	25	01405.200.150	M27X140	10	01405.270.140
M12X160	50	01405.120.160	M20X160	10	01405.200.160	M27X150	10	01405.270.150
M12X180	50	01405.120.180	M20X170	10	01405.200.170	M27X160	10	01405.270.160
			M20X180	10	01405.200.180	M27X180	5	01405.270.180
M16X55	50	01405.160.055	M20X190	10	01405.200.190	M27X200	5	01405.270.200
M16X60	50	01405.160.060	M20X200	10	01405.200.200	M27X220	5	01405.270.220
M16X65	25	01405.160.065	M20X220	10	01405.200.220	M27X230	5	01405.270.230
M16X70	25	01405.160.070	M20X240	10	01405.200.240	M27X240	5	01405.270.240
M16X75	25	01405.160.075	M20X260	10	01405.200.260	M27X260	5	01405.270.260
			M20X280	10	01405.200.280			

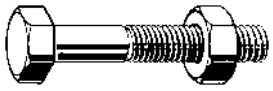
1

01405 Structural assembly set ←

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M27X280	5	01405.270.280	M30X130	10	01405.300.130	M36X130	5	01405.360.130
M27X300	5	01405.270.300	M30X140	10	01405.300.140	M36X220	5	01405.360.220
M30X90	10	01405.300.090	M30X150	10	01405.300.150			
M30X100	10	01405.300.100	M30X160	10	01405.300.160			
M30X110	10	01405.300.110	M36X110	5	01405.360.110			
M30X120	10	01405.300.120	M36X120	5	01405.360.120			

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- The manufacturers need to be CE-certified for the production of bolts/nuts EN 15048-1.

01222 Structural assembly set A96A

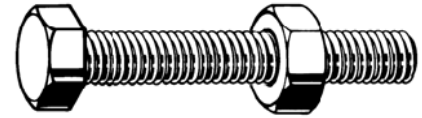
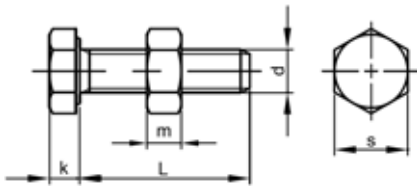
Thread	Metric thread		
Material	Steel		
Class	8.8		
Surface treatment	Zinc plated		
Packaging	Standard		

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M12X50	100	01222.120.050	M20X65	25	01222.200.065	M27X120	10	01222.270.120
M12X55	100	01222.120.055	M20X70	25	01222.200.070	M27X130	10	01222.270.130
M12X60	75	01222.120.060	M20X75	25	01222.200.075	M27X140	10	01222.270.140
M12X70	75	01222.120.070	M20X80	20	01222.200.080	M27X150	10	01222.270.150
M12X75	50	01222.120.075	M20X85	25	01222.200.085	M27X160	10	01222.270.160
M12X80	50	01222.120.080	M20X90	20	01222.200.090	M27X180	5	01222.270.180
M12X85	50	01222.120.085	M20X100	20	01222.200.100	M27X200	5	01222.270.200
M12X90	50	01222.120.090	M20X110	20	01222.200.110			
M12X100	50	01222.120.100	M20X120	20	01222.200.120	M30X90	10	01222.300.090
M12X110	50	01222.120.110	M20X130	20	01222.200.130	M30X100	10	01222.300.100
M12X120	50	01222.120.120	M20X140	10	01222.200.140	M30X110	10	01222.300.110
M12X30	50	01222.120.130	M20X150	10	01222.200.150	M30X120	10	01222.300.120
M12X140	50	01222.120.140	M20X160	10	01222.200.160	M30X130	10	01222.300.130
M12X150	50	01222.120.150	M20X170	10	01222.200.170	M30X140	10	01222.300.140
M12X160	25	01222.120.160	M20X180	10	01222.200.180	M30X150	10	01222.300.150
M12X170	25	01222.120.170	M20X190	10	01222.200.190	M30X160	10	01222.300.160
M12X180	25	01222.120.180	M20X200	10	01222.200.200	M30X170	5	01222.300.170
M12X190	25	01222.120.190	M20X220	10	01222.200.220	M30X180	5	01222.300.180
M12X200	25	01222.120.200	M20X240	10	01222.200.240	M30X200	5	01222.300.200
M12X220	25	01222.120.220	M20X250	10	01222.200.250	M30X220	5	01222.300.220
M12X240	25	01222.120.240	M20X260	10	01222.200.260	M30X240	5	01222.300.240
M12X250	25	01222.120.250	M20X280	10	01222.200.280	M30X260	5	01222.300.260
M12X260	25	01222.120.260	M20X300	10	01222.200.300	M30X280	5	01222.300.280
M12X280	25	01222.120.280	M20X320	10	01222.200.320	M30X300	5	01222.300.300
M12X300	25	01222.120.300	M20X340	10	01222.200.340			
			M20X360	10	01222.200.360	M33X100	5	01222.330.100
M16X55	50	01222.160.055				M33X110	5	01222.330.110
M16X60	50	01222.160.060	M24X80	10	01222.240.080	M33X120	5	01222.330.120
M16X65	50	01222.160.065	M24X85	10	01222.240.085	M33X130	5	01222.330.130
M16X70	25	01222.160.070	M24X90	10	01222.240.090	M33X140	5	01222.330.140
M16X75	25	01222.160.075	M24X100	10	01222.240.100	M33X150	5	01222.330.150
M16X80	25	01222.160.080	M24X110	10	01222.240.110	M33X160	5	01222.330.160
M16X85	25	01222.160.085	M24X120	10	01222.240.120	M33X180	2	01222.330.180
M16X90	25	01222.160.090	M24X130	10	01222.240.130			
M16X95	25	01222.160.095	M24X140	10	01222.240.140	M36X110	5	01222.360.110
M16X100	25	01222.160.100	M24X150	25	01222.240.150	M36X120	5	01222.360.120
M16X110	25	01222.160.110	M24X160	10	01222.240.160	M36X130	5	01222.360.130
M16X120	25	01222.160.120	M24X170	10	01222.240.170	M36X140	5	01222.360.140
M16X130	25	01222.160.130	M24X180	10	01222.240.180	M36X150	5	01222.360.150
M16X140	25	01222.160.140	M24X200	10	01222.240.200	M36X160	5	01222.360.160
M16X150	25	01222.160.150	M24X220	10	01222.240.220	M36X180	2	01222.360.180
M16X160	25	01222.160.160	M24X240	10	01222.240.240	M36X200	2	01222.360.200
M16X170	25	01222.160.170	M24X260	10	01222.240.260	M36X220	2	01222.360.220
M16X180	25	01222.160.180	M24X280	10	01222.240.280	M36X240	2	01222.360.240
M16X190	25	01222.160.190	M24X300	10	01222.240.300	M36X260	2	01222.360.260
M16X200	25	01222.160.200	M24X320	10	01222.240.320	M36X280	2	01222.360.280
M16X220	25	01222.160.220	M24X340	5	01222.240.340	M36X300	2	01222.360.300
M16X240	10	01222.160.240	M24X360	5	01222.240.360	M36X320	2	01222.360.320
M16X250	10	01222.160.250						
M16X260	10	01222.160.260	M27X80	5	01222.270.080			
M16X280	10	01222.160.280	M27X90	10	01222.270.090			
M16X300	10	01222.160.300	M27X100	10	01222.270.100			
			M27X110	10	01222.270.110			

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Structural assembly set

ISO 4017/4032
EN 15048



1

Technical data

d	P	k	m (max.)	s
M10	1,5	6,4	8,4	16
M12	1,75	7,5	10,8	18
M16	2	10	14,8	24
M20	2,5	12,5	18	30
M24	3	15	21,5	36
M27	3	17	23,8	41
M30	3,5	18,7	25,6	46
M36	4	22,5	31	55

- Full boxes only.

Article groups

Thread	Driving features	Material	Class	Surface treatment		Packaging	Code	Page
M	hexagon	St	8.8	Hot d.g.	iso metric	Standard	01415	1-87
M	hexagon	St	8.8	Zipl		Standard	01232	1-88

01415 Structural assembly set

A96A

Thread Metric thread
Material Steel
Class 8.8
Surface treatment Hot dip galvanized
Packaging Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M10X16	200	01415.100.016	M12X120	50	01415.120.120	M20X120	25	01415.200.120
M10X20	200	01415.100.020						
M10X25	200	01415.100.025	M16X25	50	01415.160.025	M24X40	25	01415.240.040
M10X30	200	01415.100.030	M16X30	50	01415.160.030	M24X45	25	01415.240.045
M10X35	100	01415.100.035	M16X35	50	01415.160.035	M24X50	25	01415.240.050
M10X40	100	01415.100.040	M16X40	50	01415.160.040	M24X55	25	01415.240.055
M10X45	100	01415.100.045	M16X45	50	01415.160.045	M24X60	25	01415.240.060
M10X50	100	01415.100.050	M16X50	50	01415.160.050	M24X65	25	01415.240.065
M10X55	100	01415.100.055	M16X55	50	01415.160.055	M24X70	25	01415.240.070
M10X60	100	01415.100.060	M16X60	50	01415.160.060	M24X75	25	01415.240.075
M10X65	100	01415.100.065	M16X65	25	01415.160.065	M24X80	25	01415.240.080
M10X70	100	01415.100.070	M16X70	25	01415.160.070	M24X90	10	01415.240.090
M10X75	100	01415.100.075	M16X75	25	01415.160.075	M24X100	10	01415.240.100
M10X80	100	01415.100.080	M16X80	25	01415.160.080	M24X110	10	01415.240.110
M10X90	100	01415.100.090	M16X90	25	01415.160.090	M24X120	10	01415.240.120
M10X100	100	01415.100.100	M16X100	25	01415.160.100			
			M16X110	25	01415.160.110	M27X50	10	01415.270.050
M12X20	100	01415.120.020	M16X120	25	01415.160.120	M27X60	10	01415.270.060
M12X25	100	01415.120.025				M27X65	10	01415.270.065
M12X30	100	01415.120.030	M20X30	25	01415.200.030	M27X70	10	01415.270.070
M12X35	100	01415.120.035	M20X35	25	01415.200.035	M27X75	10	01415.270.075
M12X40	100	01415.120.040	M20X40	25	01415.200.040	M27X80	10	01415.270.080
M12X45	100	01415.120.045	M20X45	25	01415.200.045	M27X90	10	01415.270.090
M12X50	100	01415.120.050	M20X50	25	01415.200.050	M27X100	10	01415.270.100
M12X55	100	01415.120.055	M20X55	25	01415.200.055	M27X110	10	01415.270.110
M12X60	100	01415.120.060	M20X60	25	01415.200.060	M27X120	10	01415.270.120
M12X65	50	01415.120.065	M20X65	25	01415.200.065			
M12X70	50	01415.120.070	M20X70	25	01415.200.070	M30X65	10	01415.300.065
M12X75	50	01415.120.075	M20X75	25	01415.200.075	M30X70	10	01415.300.070
M12X80	50	01415.120.080	M20X80	25	01415.200.080	M30X80	10	01415.300.080
M12X90	50	01415.120.090	M20X90	25	01415.200.090	M30X90	10	01415.300.090
M12X100	50	01415.120.100	M20X100	25	01415.200.100	M30X100	10	01415.300.100
M12X110	50	01415.120.110	M20X110	25	01415.200.110			

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