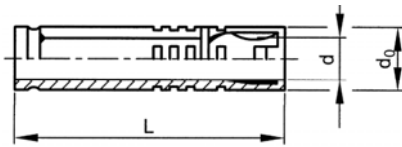


Expansion shield

NEN =2316



Technical data

Type	d	L	d _o	d _d	d _f	k _N
SA06	M6	45	12	60	50	2,3
SA08	M8	50	14	65	50	3,7
SA10	M10	60	16	75	50	5,0
SA12	M12	75	20	70	25	6,7
SA16	M16	115	25	150	10	10,0
M6 (rvs)	M6	40	12	60	50	-
M8 (rvs)	M8	50	14	65	50	-
M10 (rvs)	M10	60	16	75	50	-
M12 (rvs)	M12	80	20	70	25	-

- d_o = Nominal diameter of drill bit.
- d_d = Embedment depth.
- d_f = Anchor diameter.
- k_N = Load in kN.

Article groups

Thread	Material	Surface treatment	Packaging	Code	Page
M	St	Zipl	Standard	09015	8-53
M	St.St. A4		Standard	09560	8-53

09015 Expansion shield SA

P01A

Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M6X45 (SA)	50	09015.060.045	M10X60 (SA)	50	09015.100.060	M16X115 (SA)	10	09015.160.115
M8X50 (SA)	50	09015.080.050	M12X75 (SA)	25	09015.120.075			

09560 Expansion shield

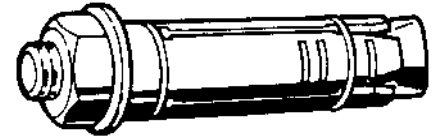
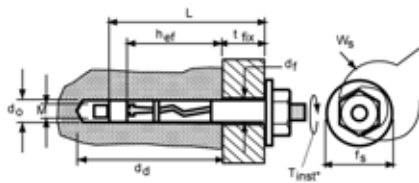
P01A

Thread	Metric thread
Material	Stainless steel A4
Packaging	Standard



d1 x L	☒	Art.number	d1 x L	☒	Art.number	d1 x L	☒	Art.number
M6X40	50	09560.060.040	M10X60	25	09560.100.060			
M8X50	50	09560.080.050	M12X80	10	09560.120.080			

Expansion shield projecting bolt



Technical data

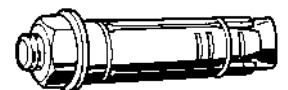
Type	L	d	d _o	d _d	d _f	f _s	W _s	h _{ef}	t _{fix}	k _N
SAP M6-10	55	M6	12	70	12	14	10	45	10	2,3
SAP M6-25	70	M6	12	85	12	14	10	45	25	2,3
SAP M6-50	95	M6	12	100	12	14	10	45	50	2,3
SAP M8-15	65	M8	14	80	14	21	13	50	15	-
SAP M8-25	75	M8	14	90	14	21	13	50	25	3,7
SAP M8-40	90	M8	14	105	14	21	13	50	40	3,7
SAP M8-80	130	M8	14	145	14	21	13	50	80	3,7
SAP M10-10	60	M10	16	75	16	23,3	17	50	10	5,0
SAP M10-30	90	M10	16	105	16	23,3	17	60	30	5,0
SAP M10-50	110	M10	16	125	16	23,3	17	60	50	5,0
SAP M10-70	130	M10	16	145	16	23,3	17	60	70	5,0
SAP M12-15	90	M12	20	110	20	27,8	19	75	15	6,7
SAP M12-25	100	M12	20	120	20	27,8	19	75	25	6,7
SAP M12-50	125	M12	20	145	20	27,8	19	75	50	6,7
SAP M12-70	145	M12	20	165	20	27,8	19	75	70	6,7
SAP M16-15	130	M16	25	155	25	29,2	24	115	15	10,0
SAP M16-35	150	M16	25	175	25	29,2	24	115	35	10,0

- d_o = Nominal diameter of drill bit.
- d_d = Embedment depth .
- d_f = Anchor diameter.
- f_s = Head diameter.
- W_s = Setting tool diameter.
- h_{ef} = Effective anchorage depth.
- t_{fix} = Grip range.
- k_N = Allowable load in kN.

09030 Expansion shield projecting bolt SAP

P01A

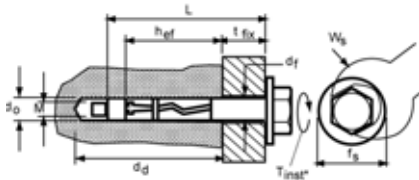
Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard



8

d x dd x tfix	☒	Art.number	d x dd x tfix	☒	Art.number	d x dd x tfix	☒	Art.number
M6X70X10	50	09030.060.701	M10X75X10	50	09030.100.701	M12X145X50	10	09030.124.505
M6X85X25	50	09030.060.802	M10X105X30	50	09030.101.503	M12X165X70	10	09030.126.507
M6X100X50	50	09030.061.005	M10X125X50	25	09030.102.505	M16X155X15	10	09030.165.501
M8X80X15	50	09030.080.801	M10X145X70	25	09030.104.507	M16X175X35	10	09030.167.501
M8X90X25	50	09030.080.902	M12X110X15	25	09030.121.101			
M8X145X80	25	09030.081.458	M12X120X25	25	09030.121.205			
M8X105X40	50	09030.081.504						

Expansion shield with hexagon head screw



Technical data

Type	L	d	d _o	d _d	d _f	f _s	W _s	h _{ef}	t _{fix}	k _N
SAL M6-10	55	M6	12	70	13	14	10	45	10	2,3
SAL M6-25	70	M6	12	85	13	14	10	45	25	2,3
SAL M6-40	85	M6	12	100	13	14	10	45	40	2,3
SAL M8-10	60	M8	14	80	15	21	13	50	10	3,7
SAL M8-25	75	M8	14	90	15	21	13	50	25	3,7
SAL M8-40	90	M8	14	105	15	21	13	50	40	3,7
SAL M10-10	60	M10	16	75	18	24,1	17	50	10	5,0
SAL M10-25	85	M10	16	100	18	24,1	17	60	25	5,0
SAL M10-50	110	M10	16	125	18	24,1	17	60	50	5,0
SAL M10-75	135	M10	16	150	18	24,1	17	60	75	5,0
SAL M12-10	85	M12	20	105	22	29,2	19	75	10	6,7
SAL M12-25	90	M12	20	110	22	29,2	19	75	15	6,7
SAL M12-40	115	M12	20	135	22	29,2	19	75	40	6,7
SAL M12-60	135	M12	20	155	22	29,2	19	75	60	6,7
SAL M16-15	130	M16	25	155	27	29,2	24	115	15	10,0
SAL M16-30	145	M16	25	170	27	29,2	24	115	30	10,0
SAL M16-60	175	M16	25	200	27	29,2	24	115	60	10,0

- d_o = Nominal diameter of drill bit.
- d_d = Embedment depth .
- d_f = Anchor diameter.
- f_s = Head diameter.
- W_s = Setting tool diameter.
- h_{ef} = Effective anchorage depth.
- t_{fix} = Grip range.
- k_N = Allowable load in kN.

09420 Expansion shield with hexagon head screw SAL

P01A

Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard



d x dd x tfix	☒	Art.number	d x dd x tfix	☒	Art.number	d x dd x tfix	☒	Art.number
M6X70X10	50	09420.060.701	M10X75X10	50	09420.100.701	M12X155X60	25	09420.125.506
M6X85X25	50	09420.060.802	M10X100X25	50	09420.101.002			
M6X100X40	50	09420.061.004	M10X125X50	50	09420.102.505	M16X170X30	10	09420.161.703
			M10X150X75	25	09420.105.007	M16X200X60	10	09420.162.006
M8X80X10	50	09420.080.801	M12X105X10	25	09420.120.501	M16X155X15	10	09420.165.501
M8X90X25	50	09420.080.902						
M8X105X40	50	09420.081.504	M12X110X15	25	09420.121.101			
			M12X135X40	25	09420.123.504			