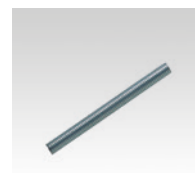


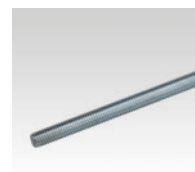
Threaded pins

Thread	Length [mm]	Part no.		Sales unit	Pack unit
		V2A	V4A		
M8	25	114160	114163	100	pieces
	30	114175	114181		
	40	114202	114205		
	50	114217	114220		
	60	114235	114238		
	70	114247	114250		
	80	114256	114259		
	90	114265	114268		
	100	114105	114112		
	120	114122	114125		
	140	114131	114134		
M10	25	113756	113759	50	pieces
	30	113771	113774		
	40	113798	113801		
	50	113807	113810		
	55	113816	113819		
	60	113831	113834		
	70	113846	113849		
	80	113852	113855		
	90	113864	113867		
	100	113687	113690		
	120	113708	113711		
	140	113717	113720		
M12	25	113936	113939	50	pieces
	60	113986	113989		
	80	113995	113998		
	100	113873	113876		
	110	113888	113891		



Threaded rods

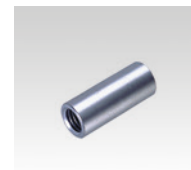
Thread	Length [m]	Part no. V2A	Sales unit	Pack unit	Part no. V4A	Sales unit	Pack unit
M6	1	113594	25	pieces	113597	25	pieces
M8		113621			113624		
	2	113645			113648		
M10	1	113455			113458	10	
	2	113476			113479		
M12	1	113501	20		113504		
	2	113519			113522		
M16	1	113537	5		113540	5	
	2	113555			113558		



For threaded rod cutters please refer to chapter „Tools“.

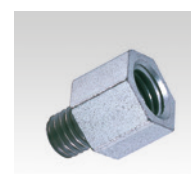
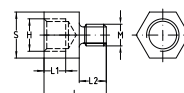
Round connectors for extension of fastening threads

Thread	Length [mm]	Part no. V2A	Outer diameter [mm]	Part no. V4A	Outer diameter [mm]	Sales unit	Pack unit
M8	30	113262	11	113266	11	100	pieces
	40	113277		113280			
M10	30	113169	13	113172	13	50	
	40	113178		113181			
M12	30	113199	15	113202	15		
	40	113208		—	—		
M16		113227	22	113230	25	25	



Reducers

Outer thread	Internal thread	Spanner size S [mm]	Material	Part no.	Sales unit	Pack unit	Dimensions [mm]		
							L	L1	L2
M8	M10	13	V2A	113500	100	pieces	23	7	8
M10	M8			113465			21		
	M12	17		113453			25	8	10
M12	M10	13		113471			23		



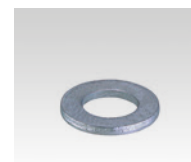
Hexagonal nuts DIN 934

Thread	Nut height [mm]	Spanner size [mm]	Part no.		Sales unit	Pack unit
			V2A	V4A		
M6	5.0	10	105477	105479	100	pieces
M8	6.5	13	105486	105488		
M10	8.0	17	105423	105425		
M12	10.0	19	105439	105441		
M16	13.0	24	105453	105455		
M20	16.0	30	105465	105467	50	
M24	19.0	36	105470	105472	25	



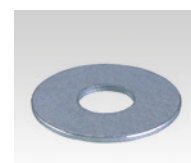
Washers DIN 125

For thread	Outer diameter [mm]	Thickness [mm]	Part no.		Sales unit	Pack unit
			V2A	V4A		
M6	12	1.6	127301	127304	100	pieces
M8	16		127313	127272		
M10	20	2.0	127269	127283		
M12	24	2.5	127280	127292		
M16	30	3.0	127289	127275		



Washers for MPR-Support channels

For thread	Outer diameter [mm]	Thickness [mm]	Material	Part no.	Sales unit	Pack unit
M8	40	3	V4A	154454	100	pieces
M10				154455		
M12				154456		



Hexagonal head bolts

DIN 933

Thread	Length [mm]	Part no.		Sales unit	Pack unit
		V2A	V4A		
M8	16	105754	105755	100	pieces
	20	105760	105761		
	25	105765	105767		
	30	105772	105774		
	35	105778	105780		
	45	105785	105786		
	55	105791	105792		
M10	20	105553	105555	50	
	25	105561	105562		
	30	105568	105570		
	35	105577	105579		
	40	105586	105588		
	55	105597	105598		
	60	105601	105602		
	80	105607	105608		
	100	105541	105540		
M12	25	105618	105619	100	
	30	105622	105624	50	
	35	105627	105629		
	50	105640	105641		
	60	105644	105645		
	70	105649	105650		
M16	30	105666	105667	25	
	35	105669	105670		
	40	105672	105673		
	45	105674	105675		
M20	50	105708	105709	25	
M24	60	105717	105718		



Allen bolts

with metric thread for the attachment of MPC-Support channels with steel anchors

Thread	Thread length [mm]	Allen bolt spanner width [mm]	Material	Part no.	Sales unit	Pack unit
M8	16	6	V2A	121048	100	pieces
M10	30	8		121010		
				121033		



Cylinder head screws

DIN 84

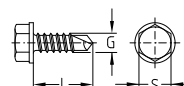
Thread	Length [mm]	Part no.		Sales unit	Pack unit
		V2A	V4A		
M8	25	121139	121142	100	pieces
	30	121147	121151		



Self-drilling screws

DIN 7504, with hexagonal head, for the attachment of air pipes, ducts, spiral-seam pipes, etc. without pre-drilling

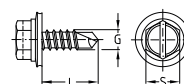
Sheet thread [mm]	Length [mm]	Screw head Ø [mm]	Spanner size S [mm]	Material	Part no.	Sales unit	Pack unit
4.2	13	8.5	7	V2A	106660	500	pieces
	16				106699		
	19				106664		



Self-drilling screw

with building supervision approval, with sealing ring made of EPDM, for attachment on trapezoidal sheets in accordance with aproval Z-14.1-4

Sheet thread [mm]	Length [mm]	Screw head Ø [mm]	Sealing ring Ø [mm]	Spanner size S [mm]	Material	Part no.	Sales unit	Pack unit
4.8	20	10.5	14	8	V2A	147873	100	pieces



Hanger sockets

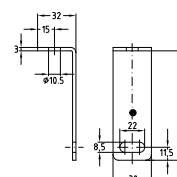
with round hole

Thread	Hole diameter [mm]	Part no.		Sales unit	Pack unit
		V2A	V4A		
M8	8.5	106396	106590	50	pieces
M10	11.0	106393	106588		
M12	13.0	106394	106589		



Distance angles

Leg length L [mm]	Part no.		Sales unit	Pack unit
	V2A	V4A		
50	106029	106031	50	pieces



Threaded pipes

Thread [inch]	Length [mm]	Material	Part no.	Sales unit	Pack unit
1/2	1,000	V4A	105145	1	pieces
3/4	1,000		113417		
1	1,000		113369		

