



**Schäfer + Peters GmbH**  
Competence in Stainless Steel



**CONCRETE BOLT BS**  
CARBIDE-TIPPED BOLT AVAILABLE IN HEX, COUNTERSUNK HEAD AND  
HANGER BOLTS VERSIONS - AUSTENITIC STAINLESS STEEL A4 (1.4401)



# ARTICLE 9001 A4 CONCRETE BOLT BS FOR CRACKED AND NON-CRACKED CONCRETE

## USE:

Ideal for outdoor screw connections such as substructures, construction of rails, bridges or fences, signs, cabinets and solar systems.

## FEATURES:

- Tested for fire protection
- Hex drive / TX drive
- A4 stainless steel / carbide-tipped

## BENEFITS:

**Good processing** - Optimum thread geometry guarantees low screw-in torques and less force is therefore needed

**Cuts the thread into the concrete** - No need for dowels

**Stainless steel A4** - Austenitic stainless steel for extended periods of outdoor use  
Low centre and edge distances

**Low cost:** thanks to direct fitting, working times are cut by up to half.

**Hex version:** looks good and offers all the familiar widths across flats

**Countersunk head version:** can be cleanly countersunk flush with the material.

**Hanger bolts:** ideal for processing due to M10 and M12 metric connection thread

**Pan head version:** Pan head with the different TX-sizes



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Item name	Bolt Ø	Total length	Clamping strength	Minimum anchoring depth	Drill hole depth	Hole diameter	Perm. loads (tension) C 20/25 in kN	cracked concrete	non-cracked concrete	Char. centre distance (mm)	Char. edge distance (mm)	Minimum centre distance (mm)	Minimum edge distance (mm)	Min. component thickness (mm)	WAF/ TX	Item number
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### SP-concrete bolt, hex

SP-BS 9001 A4 7,5X50 SW 13	7,5	50	x	55	60	6	2	4	132	66	40	40	100	13	90014075 50	100
SP-BS 9001 A4 7,5X60/5 SW 13	7,5	60	5	55	60	6	2	4	132	66	40	40	100	13	90014075 60	100
SP-BS 9001 A4 10,0X70/5 SW 13	10	70	5	65	75	8	4,2	5,8	156	78	50	50	120	13	90014010 70	50
SP-BS 9001 A4 10,0X80/15 SW 13	10	80	15	65	75	8	4,2	5,8	156	78	50	50	120	13	90014010 80	50
SP-BS 9001 A4 12,0X90/5 SW 15	12	90	5	85	95	10	6,2	8,7	204	102	50	50	130	15	90014012 90	50
SP-BS 9001 A4 12,0X100/15 SW 15	12	100	15	85	95	10	6,2	8,7	204	102	50	50	130	15	90014012 100	50
SP-BS 9001 A4 12,0X120/35 SW 15	12	120	35	85	95	10	6,2	8,7	204	102	50	50	130	15	90014012 120	50



### SP-concrete bolt, countersunk head

SP-BS 9001 A4 7,5X50 TX30	7,5	50	x	55	60	6	2	4	132	66	40	40	100	30	90014175 50	100
SP-BS 9001 A4 7,5X65/10 TX30	7,5	65	10	55	60	6	2	4	132	66	40	40	100	30	90014175 65	100
SP-BS 9001 A4 7,5X105/50 TX30	7,5	105	50	55	60	6	2	4	132	66	40	40	100	30	90014175 105	100
SP-BS 9001 A4 10,0X80/15 TX40	10	80	15	65	75	8	4,2	5,8	156	78	50	50	120	40	90014110 80	50
SP-BS 9001 A4 12,0X90/5 TX50	12	90	5	85	95	10	6,2	8,7	204	102	50	50	130	50	90014112 90	50



### SP-concrete hanger bolts

SP-BS 9001 A4 10,0X105/20 M10 SW 7	10/M10	105	20	65	75	8	4,2	5,8	156	78	50	50	120	7	90014310 105	50
SP-BS 9001 A4 12,0X140/32 M12 SW 9	12/M12	140	32	85	95	10	6,2	8,7	204	102	50	50	130	9	90014312 140	50
SP-BS 9001 A4 12,0X160/52 M12 SW 9	12/M12	160	52	85	95	10	6,2	8,7	204	102	50	50	130	9	90014312 160	50



### SP-concrete bolt, pan head

SP-BS 9001 A4 7,5X50 TX30	7,5	50	x	55	60	6	2	4	132	66	40	40	100	30	90014275 50	100
SP-BS 9001 A4 7,5X60/5 TX30	7,5	60	5	55	60	6	2	4	132	66	40	40	100	30	90014275 60	100
SP-BS 9001 A4 7,5X80/25 TX30	7,5	80	25	55	60	6	2	4	132	66	40	40	100	30	90014275 80	100
SP-BS 9001 A4 7,5X85/30 TX30	7,5	85	30	55	60	6	2	4	132	66	40	40	100	30	90014175 85	100
SP-BS 9001 A4 7,5X100/45 TX30	7,5	100	45	55	60	6	2	4	132	66	40	40	100	30	90014275 100	100



European technical approval ETA-15/0514 according to Option 1 for cracked and non-cracked concrete.