

TECHNICAL DATA 3

# Self-Drilling Screws

Manufacturing  
Standard DIN 7504



## Head Dimensions, Drilling Range and Recess Sizes

METRIC GAUGE		HEAD DIMENSIONS															
		DIN 7504 - N		DIN 7504 - P		DIN7504 - K				DIN7504 - Q		DIN7504 - L				DIN 7504 Similar	
		Pan		Csk (80°)		Indented Washer Hex				Raised Csk (80°)		Indented Washer Hex				Flange	
		MAX	MIN	MAX	MIN	HEX A/F Max.	HEX Depth Min.	Washer Dia. Max.	Total Depth Max.	MAX	MIN	HEX A/F Max.	HEX Depth Min.	Washer Dia. Max.	Total Depth Max.	DIA* MAX	DEPTH MAX
2.9	4	5.6	5.35	5.5	5.25	-	-	-	-	5.5	5.20	-	-	-	-		
3.5	6	6.9	6.6	6.8	6.5	5.5*	1.55	8.3	3.45	6.8	6.44	5.5	1.55	8.3	3.45		
3.9	7	7.5	7.2	7.5	7.2	5.5*	1.55	8.3	3.45	7.5	7.14	5.5	1.55	8.3	3.45		
4.2	8	8.2	7.9	8.1	7.8	7.0*	1.9	8.8	4.25	8.1	7.74	7.0	1.9	8.8	4.25	10.92	2.36
4.8	10	9.5	9.2	9.5	9.2	8.0	2.0	10.5	4.45	9.5	9.14	8.0	2.0	10.5	4.45		
5.5	12	10.8	10.5	10.8	10.5	8.0	2.7	11.0	5.45	10.8	10.37	8.0	2.7	11.0	5.45		
6.3	14	12.5	12.14	12.4	12.04	10.0	3.3	13.2	6.45	12.4	11.97	10.0	3.3	13.2	6.45		

Dimensions in Millimetres

DRILLING RANGE TO DIN 7504				RECESS SIZE				
GAUGE	METRIC			GAUGE	METRIC	C/R H	SQ-DRIVE	T-DRIVE
		SHEET METAL or PLATE THICKNESS						
		FROM	TO					
4	2.9	0.7	1.9	4	2.9	1	-	T10
6	3.5	0.7	2.25	6	3.5	2	1	T15
7	3.9	0.7	2.4	7	3.9	2	2	T15
8	4.2	1.75	3.00	8	4.2	2	2	T20
10	4.8	1.75	4.40	10	4.8	2	-	T25
12	5.5	1.75	5.25	12	5.5	3	-	T27
14	6.3	2.0	6.0	14	6.3	3	-	T30

SELF-DRILLING SCREWS WITH WINGS AND UNDERHEAD RIBS					
GAUGE	METRIC			METRIC	GAUGE
		DRILL POINT	DRILL LENGTH		
8	4.2	2	4.50 - 5.50	4.2	8
10	4.8*	2	4.50 - 5.50	4.8*	10
10	4.8**	3	6.00 - 7.00	4.8**	10
12	5.5	3	7.00 - 8.00	5.5	12
14	6.3	3	8.00 - 8.00	6.3	14

4.8\* - Screw Lengths under 13mm (INCL.)  
4.8\*\* - Screw Lengths over 13mm