



Handgäntappar

Withworth BSW (W)

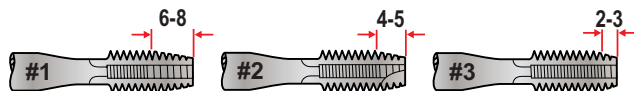
HSS-G DIN 352

#1= Förtapp

#2= Mellantapp

#3= Sluttapp

#1 & #2 ger ej full gänga



Set

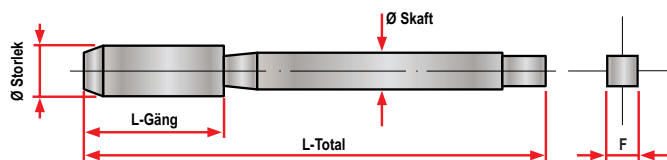
Ø Storlek	Stigning	#1	#2	#3	Set	L-Total	L-Gäng	Ø Skaft	F
W 1/16	60	103401	103402	103403	103404	36	10	2,5	2,1
W 3/32	48	103405	103406	103407	103408	36	10	2,8	2,7
W 1/8	40	103409	103410	103411	103412	40	12	3,5	2,7
W 5/32	32	103413	103414	103415	103416	45	14	4,5	3,4
W 3/16	24	103417	103418	103419	103420	50	18	6,0	4,9
W 7/32	24	103421	103422	103423	103424	50	18	6,0	4,9
W 1/4	20	103425	103426	103427	103428	50	19	6,0	4,9
W 5/16	18	103429	103430	103431	103432	56	22	6,0	4,9
W 3/8	16	103433	103434	103435	103436	70	24	7,0	5,5
W 7/16	14	103437	103438	103439	103440	70	24	8,0	6,2
W 1/2	12	103441	103442	103443	103444	75	29	9,0	7,0
W 9/16	12	103445	103446	103447	103448	80	30	11,0	9,0
W 5/8	11	103449	103450	103451	103452	80	32	12,0	9,0
W 3/4	10	103453	103454	103455	103456	95	40	14,0	11,0
W 7/8	9	103457	103458	103459	103460	100	40	18,0	14,5
W 1	8	103461	103462	103463	103464	110	50	18,0	14,5
W 1.1/8	7	103465	103466	103467	103468	132	56	22,0	18,0
W 1.1/4	7	103469	103470	103471	103472	132	56	22,0	18,0
W 1.3/8	6	103473	103474	103475	103476	150	63	28,0	22,0
W 1.1/2	6	103477	103478	103479	103480	150	63	32,0	24,0
W 1.5/8	5	103481	103482	103483	103484	160	70	32,0	24,0
W 1.3/4	5	103485	103486	103487	103488	160	70	36,0	29,0
W 1.7/8	4,5	103489	103490	103491	103492	190	80	36,0	29,0
W 2	4,5	103493	103494	103495	103496	190	80	40,0	32,0
W 2.1/4	4	103497	103498	103499	103500	220	80	45,0	35,0
W 2.1/2	4	103501	103502	103503	103504	220	80	50,0	39,0
W 2.3/4	3,5	103505	103506	103507	103508	240	80	50,0	39,0
W 3	3,5	103509	103510	103511	103512	260	80	50,0	39,0

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Maskintapp Kort

Withworth BSW (W)

HSS-G DIN 352



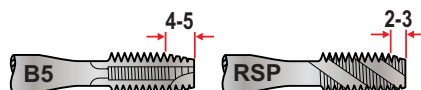
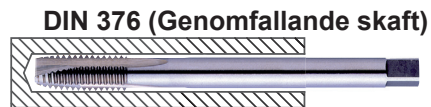
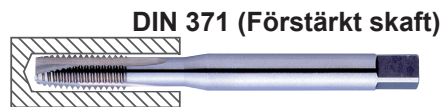
Ø Storlek	Stigning	B5 HSS	L-Total	L-Gäng	Ø Skaft	F
W 1/8	40	103690	40	12	3,5	2,7
W 3/16	24	103691	50	18	6,0	4,9
W 1/4	20	103692	50	19	6,0	4,9
W 5/16	18	103693	56	22	6,0	4,9
W 3/8	16	103694	70	24	7,0	5,5
W 7/16	14	103695	70	24	8,0	6,2
W 1/2	12	103696	75	29	9,0	7,0
W 9/16	12	103697	80	30	11,0	9,0
W 5/8	11	103698	80	32	12,0	9,0
W 3/4	10	103699	95	40	14,0	11,0

Maskintapp Withworth BSW (W)

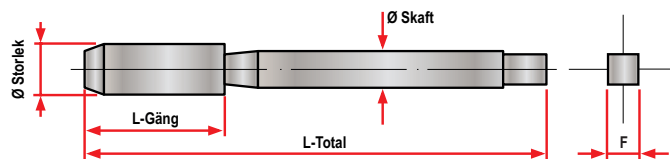
HSS-E
För höglegerat stål.
DIN 371: Förstärkt skaft.
DIN 376: Genomfallande skaft.
Faslängd: 5 gängor (B5).
Genomgående hål.

Maskintapp Withworth BSW (W)

HSS-E
För höglegerat stål.
DIN 371: Förstärkt skaft.
DIN 376: Genomfallande skaft.
Faslängd: 2 gängor.
Spiralskuren 35° (RSP). Bottenhål.



Ø Storlek	Stigning	DIN	B5 HSS-E	RSP HSS-E	L-Total	L-Gång	Ø Skaft	F
W 1/8	40	371	103603	103653	56	11	3,5	2,7
W 5/32	32	371	103604	103654	63	13	4,5	3,4
W 3/16	24	371	103605	103655	70	15	6,0	4,9
W 1/4	20	371	103606	103656	80	17	7,0	5,5
W 5/16	18	371	103607	103657	90	20	8,0	6,2
W 3/8	16	371	103608	103658	100	22	9,0	7,0
W 7/16	14	371	103609	103659	100	22	11,0	9,0
W 1/2	12	371	103610	103660	110	25	12,0	9,0
W 1/4	20	376	103611	103661	80	17	4,5	3,4
W 5/16	18	376	103612	103662	90	20	6,0	4,9
W 3/8	16	376	103613	103663	100	22	7,0	5,5
W 7/16	14	376	103614	103664	100	22	8,0	6,2
W 1/2	12	376	103615	103665	110	25	9,0	7,0
W 9/16	12	376	103616	103666	110	26	11,0	9,0
W 5/8	11	376	103617	103667	110	27	12,0	9,0
W 3/4	10	376	103618	103668	125	30	14,0	11,0
W 7/8	9	376	103619	103669	140	32	18,0	14,5
W 1	8	376	103620	103670	160	36	20,0	16,0
W 1.1/4	7	376	103621	103671	180	40	22,0	18,0
W 1.3/8	6	376	103622	103672	200	50	28,0	22,0
W 1.1/2	6	376	103623	103673	200	50	32,0	24,0



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Maskintapp

Withworth BSW (W) **VÄNSTER**

HSS-E

För höglegerat stål.

DIN 371: Förstärkt skaft.

DIN 376: Genomfallande skaft.

Faslängd: 5 gängor (B5).

Genomgående hål.

Maskintapp

Withworth BSW (W) **VÄNSTER**

HSS-E

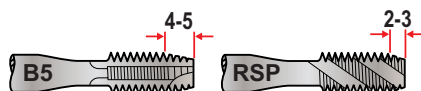
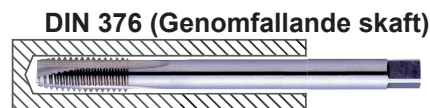
För höglegerat stål.

DIN 371: Förstärkt skaft.

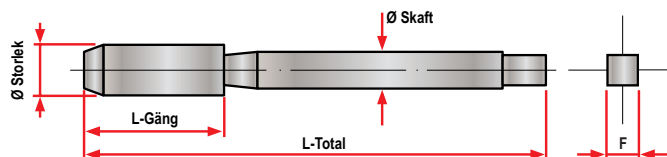
DIN 376: Genomfallande skaft.

Faslängd: 2 gängor.

Spiralskuren 35° (RSP). Bottenhål.



Ø Storlek	Stigning	DIN	B5 HSS-E	RSP HSS-E	L-Total	L-Gäng	Ø Skaft	F
W 1/8V	40	371	105520	105540	56	11	3,5	2,7
W 5/32V	32	371	105521	105541	63	13	4,5	3,4
W 3/16V	24	371	105522	105542	70	15	6	4,9
W 1/4V	20	371	105523	105543	80	17	7	5,5
W 5/16V	18	371	105524	105544	90	20	8	6,2
W 3/8V	16	371	105525	105545	100	22	9	7
W 7/16V	14	371	105526	105546	100	22	11	9
W 1/2V	12	376	105527	105547	110	25	12	9
W 9/16V	12	376	105528	105548	110	26	11	9
W 5/8V	11	376	105529	105549	110	27	12	9
W 3/4V	10	376	105530	105550	125	30	14	11
W 7/8V	9	376	105531	105551	140	32	18	14,5
W 1V	8	376	105532	105552	160	36	20	16



Borrgängtapp

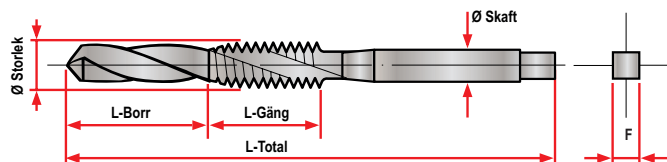
Withworth BSW (W)

HSS-E.

Borrar och gängar i ett moment.

För höglegerat stål.

Genomgående hål.



Ø Storlek	Stigning	Art.nr.	L-Borr	L-Total	L-Gäng	Ø Skaft	F
W 1/8	40	109863	16	56	11	3,0	2,4
W 5/32	32	109864	18	63	14	4,0	3,0
W 3/16	24	109865	20	71	18	5,0	3,8
W 1/4	20	109867	22	80	22	6,0	4,9
W 5/16	18	109868	26	95	25	8,0	6,2
W 3/8	16	109869	30	106	31	10,0	8,0
W 1/2	12	109871	32	115	35	12,0	9,0

Art.nr.	Benämning
109860	Borrgängtapp HSS Ww 1/8"-1/2" Sats

Måttangivelser

Från tum till mm.

Storlek tum	UNC Stigning	UNF Stigning	BSW Stigning	BSF Stigning	Ytterdimater mm
#0		80			1,52
#1	64	72			1,85
#2	56	64			2,18
#3	48	56			2,52
#4	40	48			2,85
#5	40	44			3,18
#6	32	40			3,51
#8	32	36			4,17
#10	24	32			4,83
#12	24	28			5,49
1/16"			60		1,59
3/32"			48		2,38
1/8"			40		3,18
5/32"			32		3,97
3/16"			24	32	4,76
7,32"			24	28	5,56
1/4"	20	28	20	26	6,35
5/16"	18	24	18	22	7,94
3/8"	16	24	16	20	9,53
7/16"	14	20	14	18	11,11
1/2"	13	20	12	16	12,70
9/16"	12	18	12	16	14,29
5/8"	11	18	11	14	15,88
11/16"				14	17,46
3/4"	10	16	10	12	19,05
13/16"				12	20,64
7/8"	9	14	9	11	22,23
15/16"				11	23,81
1"	8	12	8	10	25,40
1 1/8"	7	12	7	9	28,58
1 3/16"					30,16
1 1/4"	7	12	7	9	31,75
1 5/16"	.	.	.	.	33,34
1 3/8"	6	12	6	8	34,93
1 1/2"	6	12	6	8	38,10
1 5/8"	5		5	8	41,28
1 3/4"	5		5	7	44,45
1 7/8"	4,5		4,5		47,63
2"	4,5		4,5	7	50,80
2 1/4"	4,5		4		57,15
2 1/2"	4		4		63,50
2 3/4"	4		3,5		69,85
3"	4		3,5		76,20

Storlek tum	BSP (G) Stigning	Ytterdimater mm
G 1/8" (G06)	28	9,73
G 1/4" (G08)	19	13,16
G 3/8" (G10)	19	16,66
G 1/2" (G15)	14	20,96
G 5/8"	14	22,91
G 3/4 (G20)	14	26,44
G 7/8"	14	30,20
G 1" (G25)	11	33,25
G 1 1/8	11	37,90
G 1 1/4" (G32)	11	41,91
G 1 3/8"	11	44,32
G 1 1/2" (G40)	11	47,80
G 1 3/4"	11	53,75
G 2" (G50)	11	59,61
G 2 1/4"	11	65,71
G 2 1/2" (G65)	11	75,18
G 2 3/4"	11	81,53
G 3" (G80)	11	87,88
G 3 1/4"	11	93,98
G 3 1/2	11	100,33
G 3 3/4"	11	106,68
G 4" (G100)	11	113,03

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Borrdiameter

Kärnhålsdiameter för gängning av hål.

Metrisk gänga.

Storleken minus stigningen= Ø Borr.
T. ex. M 6x1,0 (6,0-1,0=5,0).

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UNC	Ø Borr	UNF	Ø Borr	BSW (W)	Ø Borr	BSP (G)	Ø Borr	PG	Ø Borr
#1-64	1,5	#0-80	1,3	3/32"	1,8	1/8"	8,8	7	11,4
#2-56	1,8	#1-72	1,6	1/8"	2,6	1/4"	11,8	9	14
#3-48	2,1	#2-64	1,9	5/32	3,1	3/8"	15,25	11	17,25
#4-40	2,3	#3-56	2,1	3/16"	3,6	1/2"	19	13,5	19
#5-40	2,6	#4-48	2,4	7/32	4,4	5/8"	21	16	21,25
#6-32	2,85	#5-44	2,7	1/4"	5,1	3/4"	24,5	21	26,75
#8-32	3,5	#6-40	3	5/16"	6,5	7/8"	28,25	29	35,5
#10-24	3,9	#8-36	3,5	3/8"	7,9	1"	30,75	36	45,5
#12-24	4,5	#10-32	4,1	7/16"	9,3	1.1/8	35,3	42	52,5
1/4"-20	5,2	#12-28	4,7	1/2"	10,5	1.1/4	39,5	48	58
5/16"-18	6,6	1/4"-28	5,5	9/16"	12	1.3/8	41,7	NPT Ø Borr	
3/8"-16	8	5/16"-24	6,9	5/8"	13,5	1.1/2	45,25		
7/16"-14	9,4	3/8"-24	8,5	3/4"	16,5	1.3/4	51,1	1/16"-27	6,3
1/2"-13	10,8	7/16"-20	9,9	7/8"	19,25	2"	57	1/8"-27	8,5
9/16"-12	12,2	1/2"-20	11,5	1"	22	2.1/4	63,1	1/4"-18	11,2
5/8"-11	13,5	9/16"-18	12,9	1.1/8	24,75	2.1/2	72,6	3/8"-18	14,5
3/4"-10	16,5	5/8"-16	14,5	1.1/4	27,75	2.3/4	78,9	1/2"-14	18
7/8"-9	19,5	3/4"-16	17,5	1.3/8	30,2	3"	85,3	3/4"-14	23
1"- 8	22,25	7/8"-14	20,25	1.1/2	33,5			1"-11,5	29
1.1/8"- 7	25	1"-12	23,25	1.3/4	38,5			1.1/4"-11,5	38
1.1/4"- 7	28,25	1.1/8"-12	26,5	2"	44,5			1.1/2"-11,5	44
1.3/8"- 6	30,75	1.1/4"-12	29,5	BSF Ø Borr				2"-11,5	56
1.1/2"- 6	34	1.3/8"-12	32,5	1/4"	5,2			2.1/2"-8	67
1.3/4"- 5	39,5	1.1/2"-12	36	5/16"	6,6			3"-8	83
2"- 4,5	45			3/8"	8,1			TR Ø Borr	
2.1/4"- 4,5	51,5			7/16"	9,5			10 x 2	8,2
2.1/2"- 4	57,25			1/2"	11			10 x 3	7,5
2.3/4"- 4	63,5			5/8"	14			12 x 3	9,25
3"- 4	70			3/4"	16,5			14 x 3	11,25
3.1/4"- 4	76,2			7/8"	19,5			14 x 4	10,5
3.1/2"- 4	82,6			1"	22,5			16 x 4	12,25
								18 x 4	14,25
								20 x 4	16,25
								22 x 4	18,25
								22 x 5	17,25
								24 x 5	19,25
								26 x 5	21,25
								28 x 5	23,25
								30 x 6	24,25
								32 x 6	26,25
								36 x 6	30,25

Axeldiameter

Ytterdiameter för gängning av stång.

BSW (W)	Ø Stång	BSF	Ø Stång	BSP (G)	Ø Stång	PG	Ø Stång	NPT	Ø Stång
1/4"	6,16	3/16"	4,67	G 1/8"	9,62	7	12,4	1/16"	8,17
5/16"	7,76	1/4"	6,25	G 1/4"	13,03	9	15,1	1/8"	10,55
3/8"	9,3	5/16"	7,82	G 3/8"	16,53	11	18,5	1/4"	14,1
7/16"	10,89	3/8"	9,39	G 1/2"	20,81	13,5	20,3	3/8"	17,52
1/2"	12,43	7/16"	10,97	G 5/8"	22,77	16	22,4	1/2"	21,85
9/16"	13,92	1/2"	12,54	G 3/4"	26,3	21	28,15	3/4"	27,16
5/8"	15,62	9/16"	14,12	G 7/8"	30,06	29	36,85	1"	34,16
3/4"	18,76	5/8"	15,71	G 1"	33,07	36	46,85	1.1/4"	42,74
7/8"	21,89	3/4"	18,85	G 1.1/8"	37,71	42	53,85	1.1/2"	48,87
1"	25,08	7/8"	22,02	G 1.1/4"	41,73	48	59,15	2"	60,95
1.1/8"	28,21	1"	25,17	G 1.3/8"	44,14				
				G 1.1/2"	47,62				
				G 1.3/4"	53,56				
				G 2"	59,43				