



Taps for the Oil & Heavy Industries ! **HXL-SFT** **VXL-SFT**



From
3/4" to
2 1/2"

NEW

Proven Technology
for the Oil & Heavy Industries !

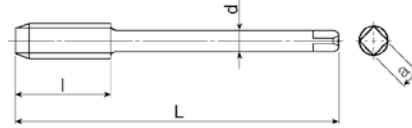
HXL-SFT



NEW

HXL-SFT / Taps for horizontal operations

Available June 2009



No# Flutes

EDP	Tap Size	Threads Per Inch	UN	UNC	L	l	l1	d	a	Z _Δ	£
NEW 48050515	3/4	-	-	10	125	20,3	61,8	14	11	4	£64.83
NEW 48050526	7/8	-	-	9	140	22,6	75	18	14,5	4	£82.08
NEW 48050538	1	-	-	8	160	25,4	90	18	14,5	5	£95.08
NEW 48050551	1 1/8	-	-	7	180	29	100	22	18	5	£144.74
NEW 48050552	1 1/8	8	-	-	180	25,4	100	22	18	5	£133.91
NEW 48050564	1 1/4	-	-	7	180	29	100	22	18	5	£166.32
NEW 48050565	1 1/4	8	-	-	180	25,4	100	22	18	5	£161.99
NEW 48050577	1 3/8	-	-	6	200	33,9	115	28	22	5	£213.82
NEW 48050578	1 3/8	8	-	-	200	25,4	115	28	22	5	£181.40
NEW 48050591	1 1/2	-	-	6	200	33,9	115	32	24	5	£252.73
NEW 48050592	1 1/2	8	-	-	200	25,4	115	32	24	5	£233.23
NEW 48050605	1 5/8	8	-	-	200	25,4	110	32	24	6	£323.97
NEW 48050618	1 3/4	8	-	-	200	25,4	101	36	29	6	£425.46
NEW 48050628	1 7/8	8	-	-	225	25,4	125	36	29	6	£496.71
NEW 48050639	2	8	-	-	225	25,4	125	40	32	6	£604.70
NEW 48050661	2 1/2	8	-	-	275	25,4	150	50	39	6	£1,092.73

Date: 5/09/2008

GSG TAP TEST DATA SHEET

Size: 1 1/4" - 8	EDP#: 48050565	Qty: 1	Brand: HXL-SFT	Coating: S/O
Work Material: 4140 common	Hardness: 27 Hrc	Speed: RPM: 50	Holder: Standard	
Gauge Value: Go: standard, No Go:	Operation (Check One): <input type="checkbox"/> Hand, <input checked="" type="checkbox"/> CNC, <input type="checkbox"/> Machine	Hole Size: 1.125	Lubricant: Precision Fluid Synth	Condition: <input type="checkbox"/> Vertical, <input checked="" type="checkbox"/> Horizon.
Hole Dimension (check one): A) Tap Depth: 1.625, B) Drill Depth: 1.875		<input type="checkbox"/> Through		Machine Name: Daewoo Ace Series 120
Test Results: Very good / good finish, low wear after 500 holes, planning more holes soon			Blind: <input checked="" type="checkbox"/>	or
Tool Life:		Competition: 350-400 holes max		

Applications

Cs≤0.2%	0.25<Cs≤0.4%	C≥0.45%	SCM	~35 HRC	35-45 HRC	45-50 HRC	SUS	SCM alloy steels
○	○	◎	◎	○			○	◎

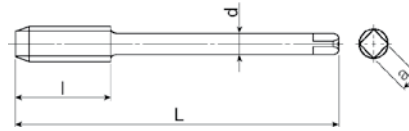
VXL-SFT



NEW

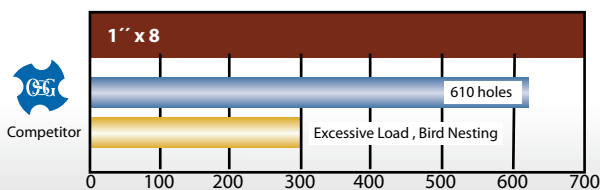
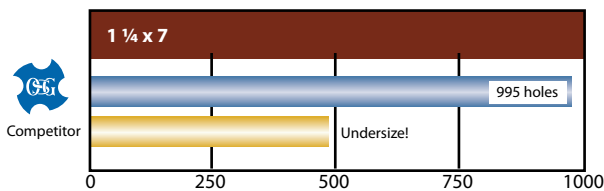
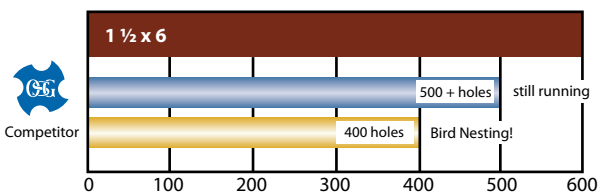
VXL-SFT / Taps for vertical operations

Available June 2009



No# Flutes

EDP	Tap Size	Threads Per Inch		L	l	l1	d	a	Z _Δ	£	
		UN	UNC								
NEW	48051515	3/4	-	10	125	20,3	61,8	14	11	4	£64.83
NEW	48051526	7/8	-	9	140	22,6	75	18	14,5	4	£82.08
NEW	48051538	1	-	8	160	25,4	90	18	14,5	5	£95.08
NEW	48051551	1 1/8	-	7	180	29	100	22	18	5	£144.74
NEW	48051552	1 1/8	8	-	180	25,4	100	22	18	5	£133.91
NEW	48051564	1 1/4	-	7	180	29	100	22	18	5	£166.32
NEW	48051565	1 1/4	8	-	180	25,4	100	22	18	5	£161.99
NEW	48051577	1 3/8	-	6	200	33,9	115	28	22	5	£213.82
NEW	48051578	1 3/8	8	-	200	25,4	115	28	22	5	£181.40
NEW	48051591	1 1/2	-	6	200	33,9	115	32	24	5	£252.73
NEW	48051592	1 1/2	8	-	200	25,4	115	32	24	5	£233.23
NEW	48051605	1 5/8	8	-	200	25,4	110	32	24	6	£323.97
NEW	48051618	1 3/4	8	-	200	25,4	101	36	29	6	£425.46
NEW	48051628	1 7/8	8	-	225	25,4	125	36	29	6	£496.71
NEW	48051639	2	8	-	225	25,4	125	40	32	6	£604.70
NEW	48051661	2 1/2	8	-	275	25,4	150	50	39	6	£1,092.73



Material :	42CrMo4
Thread Percentage :	74%
Tapping Length :	95 mm
Tapping Speed :	8 m/min
Holder :	Tension-Comp.
Cutting Fluid :	Water-Soluble (10x)
Machine :	Horizontal Machining Center (HMC)

Insert Pictures of Chips (Competitor and OSG)

Material :	A105
Thread Percentage :	72%
Tapping Length :	76 mm
Tapping Speed :	12 m/min
Holder :	Tension-Comp.
Cutting Fluid :	Water-Soluble (10x)
Machine :	Horizontal Machining Center (HMC)

Material :	42CrMo4
Thread Percentage :	71%
Tapping Length :	57 mm
Tapping Speed :	8 m/min
Holder :	Tension-Comp.
Cutting Fluid :	Straight Oil
Machine :	Vertical Machining Center



Competitor



Competitor

Insert Pictures of tap with bird nesting

Applications

Cs≤0.2%	0.25<Cs≤0.4%	C≥0.45%	SCM	~35 HRC	35-45 HRC	45-50 HRC	SUS	SCM alloy steels
○	○	◎	◎	○			○	◎



OSG U.K Limited

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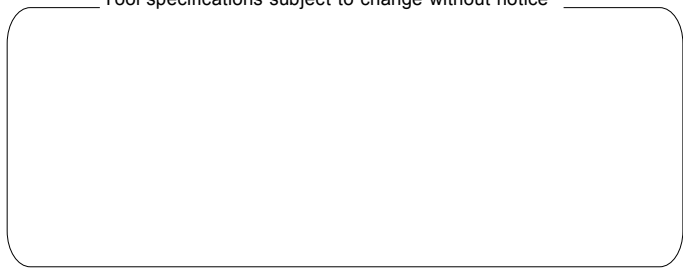
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TOOL COMMUNICATION
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