



Taps for the Oil & Heavy Industry !



NEW

From
 $\frac{3}{4}$ " to
 $2 \frac{1}{2}$ "

Proven Technology
for the Oil & Heavy Industry !

for the oil & heavy industry !

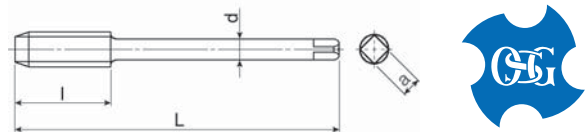
HXL-SFT



NEW

HXL-SFT / Taps for horizontal operations

Available may 2009



EDP	Tap Size	Threads Per Inch		L	l	l1	d	a	Z _A	€
		UN	UNC							
NEW 48050515	3/4	-	10	125	20,3	61,8	14	11	4	
NEW 48050526	7/8	-	9	140	22,6	75	18	14,5	4	
NEW 48050538	1	-	8	160	25,4	90	18	14,5	5	
NEW 48050551	1 1/8	-	7	180	29	100	22	18	5	
NEW 48050552	1 1/8	8	-	180	25,4	100	22	18	5	
NEW 48050564	1 1/4	-	7	180	29	100	22	18	5	
NEW 48050565	1 1/4	8	-	180	25,4	100	22	18	5	
NEW 48050577	1 3/8	-	6	200	33,9	115	28	22	5	
NEW 48050578	1 3/8	8	-	200	25,4	115	28	22	5	
NEW 48050591	1 1/2	-	6	200	33,9	115	32	24	5	
NEW 48050592	1 1/2	8	-	200	25,4	115	32	24	5	
NEW 48050605	1 5/8	8	-	200	25,4	110	32	24	6	
NEW 48050618	1 3/4	8	-	200	25,4	101	36	29	6	
NEW 48050628	1 7/8	8	-	225	25,4	125	36	29	6	
NEW 48050639	2	8	-	225	25,4	125	40	32	6	
NEW 48050661	2 1/2	8	-	275	25,4	150	50	39	6	

Date: 5/09/2008

OSG 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 Feed: 6.25 IPM	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	<input checked="" type="checkbox"/> Blind	Machine Name: Daewoo Ace Series 120	
Test Results: Very good / good finish Tool Life: low wear after 500 holes Comments: planning more holes soon	Competition: 350-400 holes max			

Applications								
C≤0.2%	0.25<C≤0.4%	C≥0.45%	SCM	~35 HRC	35-45 HRC	GG - GGG	SUS	SKD
○	○	◎	◎	○		◎	○	○

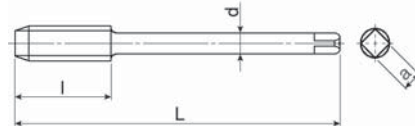
VXL-SFT



NEW

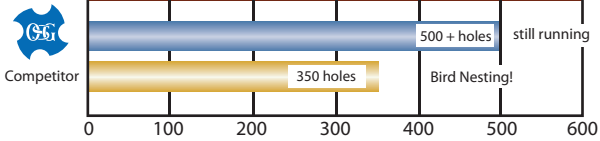
VXL-SFT / Taps for vertical operations

Available may 2009



EDP	Tap Size	Threads Per Inch		L	l	l1	d	a	Z _A	€
		UN	UNC							
NEW 48051515	3/4	-	10	125	20,3	61,8	14	11	4	
NEW 48051526	7/8	-	9	140	22,6	75	18	14,5	4	
NEW 48051538	1	-	8	160	25,4	90	18	14,5	5	
NEW 48051551	1 1/8	-	7	180	29	100	22	18	5	
NEW 48051552	1 1/8	8	-	180	25,4	100	22	18	5	
NEW 48051564	1 1/4	-	7	180	29	100	22	18	5	
NEW 48051565	1 1/4	8	-	180	25,4	100	22	18	5	
NEW 48051577	1 3/8	-	6	200	33,9	115	28	22	5	
NEW 48051578	1 3/8	8	-	200	25,4	115	28	22	5	
NEW 48051591	1 1/2	-	6	200	33,9	115	32	24	5	
NEW 48051592	1 1/2	8	-	200	25,4	115	32	24	5	
NEW 48051605	1 5/8	8	-	200	25,4	110	32	24	6	
NEW 48051618	1 3/4	8	-	200	25,4	101	36	29	6	
NEW 48051628	1 7/8	8	-	225	25,4	125	36	29	6	
NEW 48051639	2	8	-	225	25,4	125	40	32	6	
NEW 48051661	2 1/2	8	-	275	25,4	150	50	39	6	

1 1/2 x 6 Tap type HXL-SFT

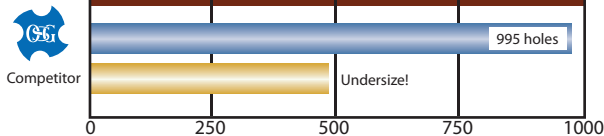


Material :	42CrMo4
Thread Percentage :	72%
Tapping Length :	100 mm
Tapping Speed :	8 m/min
Holder :	Tension-Comp.
Cutting Fluid :	Water-Soluble (10x)
Machine :	Horizontal Machining Center (HMC)

Insert Pictures of Chips (Competitor and OSG)



1 1/4 x 7 Tap type HXL-SFT

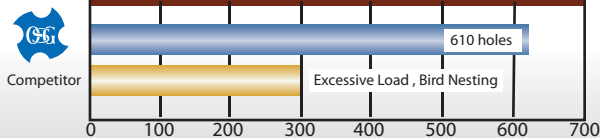


Material :	A105
Thread Percentage :	72%
Tapping Length :	76 mm
Tapping Speed :	12 m/min
Holder :	Tension-Comp.
Cutting Fluid :	Water-Soluble (10x)
Machine :	Horizontal Machining Center (HMC)



Competitor

1" x 8 Tap type VXL-SFT



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

Insert Pictures of tap with bird nesting



Competitor

Applications

Cs≤0.2%	0.25<Cs≤0.4%	C≥0.45%	SCM	~35 HRC	35-45 HRC	GG- GGG	SUS	SKD
○	○	◎	◎	○			○	○



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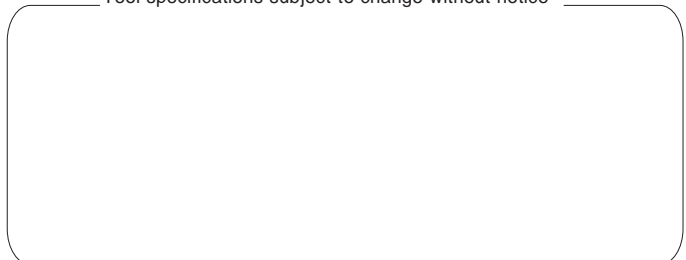
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