

Taps u-tap

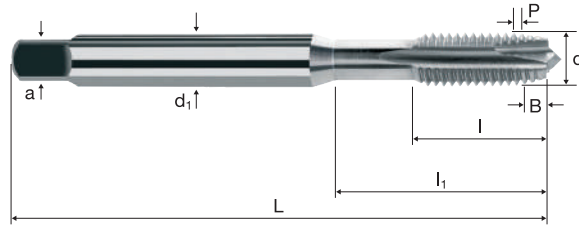


M ISO 2 (6H)

60° **HSS-E Co5**

DIN 371

X-P
Form B

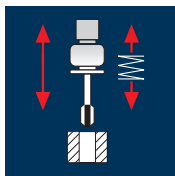


M

Rm < 850 **Inox** Stainless **GG(G)** Aluminium Copper

Example: Order-N°.										VAP	
Article-N°. E10800 α-Code 010										E10800	EV10800
Ø Code	d	P	L	l	l ₁	d ₁	a				
010	M 1	0.25	40	5.5	–	2.5	2.1	2	0.80*	●	●
012	M 1.2	0.25	40	5.5	–	2.5	2.1	2	1.00	●	●
020	M 1.4	0.30	40	7.0	–	2.5	2.1	2	1.15*	●	●
022	M 1.6	0.35	40	8.0	–	2.5	2.1	2	1.30	●	●
024	M 1.7	0.35	40	8.0	–	2.5	2.1	2	1.40	●	●
026	M 1.8	0.35	40	8.0	–	2.5	2.1	2	1.50	●	●
034	M 2	0.40	45	8.0	–	2.8	2.1	2	1.60	●	●
036	M 2.2	0.45	45	9.0	–	2.8	2.1	2	1.75	●	●
038	M 2.3	0.40	45	9.0	–	2.8	2.1	2	1.90	●	●
040	M 2.5	0.45	50	9.0	–	2.8	2.1	2	2.05	●	●
042	M 2.6	0.45	50	9.0	–	2.8	2.1	2	2.15	●	●
044	M 3	0.50	56	12.0	18.0	3.5	2.7	3	2.50	●	●
056	M 3.5	0.60	56	12.0	20.0	4.0	3.0	3	2.90	●	●
058	M 4	0.70	63	13.0	21.0	4.5	3.4	3	3.30	●	●
061	M 4.5	0.75	70	14.0	25.0	6.0	4.9	3	3.75	●	●
084	M 5	0.80	70	15.0	25.0	6.0	4.9	3	4.20	●	●
088	M 6	1.00	80	17.0	30.0	6.0	4.9	3	5.00	●	●
089	M 7	1.00	80	17.0	30.0	7.0	6.2	3	6.00	●	●
160	M 8	1.25	90	20.0	35.0	8.0	6.2	3	6.80	●	●
174	M10	1.50	100	22.0	39.0	10.0	8.0	3	8.50	●	●
≤ M1.4 Tolerance ISO 1 (4H)											
* The given dimension is out of norm											
For larger dimensions see article no. E10801, page 277											

Application



Material

Steel
< 500 N/mm²

M	ø [mm]	P [mm]	v _c 1.5 x d			v _c 2.0 x d			v _c 3.0 x d		
			n [min ⁻¹]	v _f [100%]	n [min ⁻¹]	v _f [100%]	n [min ⁻¹]	v _f [100%]			
M 1	1.0	0.25	14	4455	1114	12	3820	955	10	3185	796
M 1.2	1.2	0.25	14	3715	929	12	3185	796	10	2655	664
M 1.4	1.4	0.30	14	3185	956	12	2730	819	10	2275	683
M 1.6	1.6	0.35	14	2785	975	12	2385	835	10	1990	697
M 1.8	1.8	0.35	14	2475	866	12	2120	742	10	1770	620
M 2	2.0	0.40	14	2230	892	12	1910	764	10	1590	636
M 2.2	2.2	0.45	14	2025	911	12	1735	781	10	1445	650
M 2.3	2.3	0.40	14	1940	776	12	1660	664	10	1385	554
M 2.5	2.5	0.45	14	1785	803	12	1530	689	10	1275	574

Steel
< 500 N/mm²

M 2.6	2.6	0.45	18	2205	992	15	1835	826	12	1470	662
M 3	3.0	0.50	18	1910	955	15	1590	795	12	1275	638
M 3.5	3.5	0.60	18	1635	981	15	1365	819	12	1090	654
M 4	4.0	0.70	18	1430	1001	15	1195	837	12	955	669
M 4.5	4.5	0.75	18	1275	956	15	1060	795	12	850	638
M 5	5.0	0.80	18	1145	916	15	955	764	12	765	612
M 6	6.0	1.00	18	955	955	15	795	795	12	635	635
M 8	8.0	1.25	18	715	894	15	595	744	12	475	594
M10	10.0	1.50	18	575	863	15	475	713	12	380	570

Steel
500 - 850 N/mm²

M 1	1.0	0.25	12	3820	955	8	2545	636	6	1910	478
M 1.2	1.2	0.25	12	3185	796	8	2120	530	6	1590	398
M 1.4	1.4	0.30	12	2730	819	8	1820	546	6	1365	410
M 1.6	1.6	0.35	12	2385	835	8	1590	557	6	1195	418
M 1.8	1.8	0.35	12	2120	742	8	1415	495	6	1060	371
M 2	2.0	0.40	12	1910	764	8	1275	510	6	955	382
M 2.2	2.2	0.45	12	1735	781	8	1155	520	6	870	392
M 2.3	2.3	0.40	12	1660	664	8	1105	442	6	830	332
M 2.5	2.5	0.45	12	1530	689	8	1020	459	6	765	344

Steel
500 - 850 N/mm²

M 2.6	2.6	0.45	15	1835	826	10	1225	551	8	980	441
M 3	3.0	0.50	15	1590	795	10	1060	530	8	850	425
M 3.5	3.5	0.60	15	1365	819	10	910	546	8	730	438
M 4	4.0	0.70	15	1195	837	10	795	557	8	635	445
M 4.5	4.5	0.75	15	1060	795	10	705	529	8	565	424
M 5	5.0	0.80	15	955	764	10	635	508	8	510	408
M 6	6.0	1.00	15	795	795	10	530	530	8	425	425
M 8	8.0	1.25	15	595	744	10	400	500	8	320	400
M10	10.0	1.50	15	475	713	10	320	480	8	255	383

Material

Wrought aluminium alloys Si < 6%
hardened

M	ø [mm]	P [mm]	v _c 1.5 x d			v _c 2.0 x d			v _c 3.0 x d		
			n [min ⁻¹]	v _f [100%]	n [min ⁻¹]	v _f [100%]	n [min ⁻¹]	v _f [100%]			
M 1	1.0	0.25	12	3820	955	10	3185	796	8	2545	636
M 1.2	1.2	0.25	12	3185	796	10	2655	664	8	2120	530
M 1.4	1.4	0.30	12	2730	819	10	2275	683	8	1820	546
M 1.6	1.6	0.35	12	2385	835	10	1990	697	8	1590	557
M 1.8	1.8	0.35	12	2120	742	10	1770	620	8	1415	495
M 2	2.0	0.40	12	1910	764	10	1590	636	8	1275	510
M 2.2	2.2	0.45	12	1735	781	10	1445	650	8	1155	520
M 2.3	2.3	0.40	12	1660	664	10	1385	554	8	1105	442
M 2.5	2.5	0.45	12	1530	689	10	1275	574	8	1020	459

Recommendation:
uncoated

Wrought aluminium alloys Si < 6%
hardened

M 2.6	2.6	0.45	15	1835	826	12	1470	662	10	1225	551
M 3	3.0	0.50	15	1590	795	12	1275	638	10	1060	530
M 3.5	3.5	0.60	15	1365	819	12	1090	654	10	910	546
M 4	4.0	0.70	15	1195	837	12	955	669	10	795	557
M 4.5	4.5	0.75	15	1060	795	12	850	638	10	705	529
M 5	5.0	0.80	15	955	764	12	765	612	10	635	508
M 6	6.0	1.00	15	795	795	12	635	635	10	530	530
M 8	8.0	1.25	15	595	744	12	475	594	10	400	500
M10	10.0	1.50	15	475	713	12	380	570	10	320	480

Recommendation:
uncoated

Stainless steel
[Cr-Ni/1.4301]



M 1	1.0	0.25	4	1275	319	3	955	239	2	635	159
M 1.2	1.2	0.25	4	1060	265	3	795	199	2	530	133
M 1.4	1.4	0.30	4	910	273	3	680	204	2	455	137
M 1.6	1.6	0.35	4	795	278	3	595	208	2	400	140
M 1.8	1.8	0.35	4	705	247	3	530	186	2	355	124
M 2	2.0	0.40	4	635	254	3	475	190	2	320	128
M 2.2	2.2	0.45	4	580	261	3	435	196	2	290	131
M 2.3	2.3	0.40	4	555	222	3	415	166	2	275	110
M 2.5	2.5	0.45	4	510	230	3	380	171	2	255	115

Stainless steel
[Cr-Ni/1.4301]



M 2.6	2.6	0.45	5	610	275	4	490	221	3	365	164
M 3	3.0	0.50	5	530	265	4	425	213	3	320	160
M 3.5	3.5	0.60	5	455	273	4	365	219	3	275	165
M 4	4.0	0.70	5	400	280	4	320	224	3	240	168
M 4.5	4.5	0.75	5	355	266	4	285	214	3	210	158
M 5	5.0	0.80	5	320	256	4	255	204	3	190	152
M 6	6.0	1.00	5	265	265	4	210	210	3	160	160
M 8	8.0	1.25	5	200	250	4	160	200	3	120	150
M10	10.0	1.50	5	160	240	4	125	188	3	95	143