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MTM-UAS Basic Operations

Time Units

TMU	seconds	minutes	hours
1	0.036	0.0006	0.00001
27.8	1		
1 666.7		1	
100 000			1

Use of these table values without training in MTM-1 and MTM-UAS will lead to erroneous results.

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Motion Length in cm	≤ 20	> 20 to ≤ 50	> 50 to ≤ 80
Distance Class	1	2	3

Motion Length in cm	≤ 20	> 20 to ≤ 50	> 50 to ≤ 80
Distance Class	1	2	3

Get and Place			Code	1	2	3
				TMU		
≤ 1 kg	easy	approx.	AA	20	35	50
		loose	AB	30	45	60
		tight	AC	40	55	70
	difficult	approx.	AD	20	45	60
		loose	AE	30	55	70
		tight	AF	40	65	80
	handful	approx.	AG	40	65	80
	> 1 kg to ≤ 8 kg	approx.	AH	25	45	55
		loose	AJ	40	65	75
tight		AK	50	75	85	
> 8 kg to ≤ 22 kg	approx.	AL	80	105	115	
	loose	AM	95	120	130	
	tight	AN	120	145	160	

Place		Code	1	2	3
			TMU		
	approx.	PA	10	20	25
	loose	PB	20	30	35
	tight	PC	30	40	45

Handle Tool		Code	1	2	3
			TMU		
	approximate	HA	25	45	65
	loose	HB	40	60	75
	tight	HC	50	70	85

Operate		Code	1	2	3
	single	BA	10	25	40
	compound	BB	30	45	60

Motion Cycles		Code	1	2	3
	one motion	ZA	5	15	20
	motion sequence	ZB	10	30	40
	re-position and one motion	ZC	30	45	55
	tighten or loosen	ZD	20		

Body Motions		Code	TMU
	Walk / m	KA	25
	Bend, Stoop, Kneel (incl. arise)	KB	60
	Sit and Stand	KC	110

Visual Control		VA	15
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