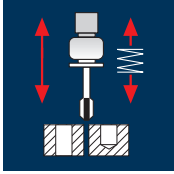


Application



Material

Unalloyed aluminium

Wrought aluminium alloys Si < 6% not hardened

Unalloyed copper

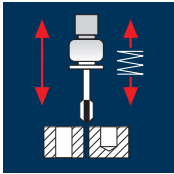


Non ferrous metal A₅ > 15%



M	ø [mm]	P [mm]	V _c			n			v _f		
			1.5 x d	[min ⁻¹]	[100%]	2.0 x d	[min ⁻¹]	[100%]	3.0 x d	[min ⁻¹]	[100%]
M 2	2.0	0.40	25	3980	1592	20	3185	1274	15	2385	954
M 2.2	2.2	0.45	25	3615	1627	20	2895	1303	15	2170	977
M 2.5	2.5	0.45	25	3185	1433	20	2545	1145	15	1910	860
M 3	3.0	0.50	25	2655	1328	20	2120	1060	15	1590	795
M 4	4.0	0.70	25	1990	1393	20	1590	1113	15	1195	837
M 5	5.0	0.80	25	1590	1272	20	1275	1020	15	955	764
M 6	6.0	1.00	25	1325	1325	20	1060	1060	15	795	795
M 8	8.0	1.25	25	995	1244	20	795	994	15	595	744
M10	10.0	1.50	25	795	1193	20	635	953	15	475	713
M 2	2.0	0.40	30	4775	1910	25	3980	1592	20	3185	1274
M 2.2	2.2	0.45	30	4340	1953	25	3615	1627	20	2895	1303
M 2.5	2.5	0.45	30	3820	1719	25	3185	1433	20	2545	1145
M 3	3.0	0.50	30	3185	1593	25	2655	1328	20	2120	1060
M 4	4.0	0.70	30	2385	1670	25	1990	1393	20	1590	1113
M 5	5.0	0.80	30	1910	1528	25	1590	1272	20	1275	1020
M 6	6.0	1.00	30	1590	1590	25	1325	1325	20	1060	1060
M 8	8.0	1.25	30	1195	1494	25	995	1244	20	795	994
M10	10.0	1.50	30	955	1433	25	795	1193	20	635	953
M 2	2.0	0.40	15	2385	954	10	1590	636	10	1590	636
M 2.2	2.2	0.45	15	2170	977	10	1445	650	10	1445	650
M 2.5	2.5	0.45	15	1910	860	10	1275	574	10	1275	574
M 3	3.0	0.50	15	1590	795	10	1060	530	10	1060	530
M 4	4.0	0.70	15	1195	837	10	795	557	10	795	557
M 5	5.0	0.80	15	955	764	10	635	508	10	635	508
M 6	6.0	1.00	15	795	795	10	530	530	10	530	530
M 8	8.0	1.25	15	595	744	10	400	500	10	400	500
M10	10.0	1.50	15	475	713	10	320	480	10	320	480
M 2	2.0	0.40	15	2385	954	10	1590	636	10	1590	636
M 2.2	2.2	0.45	15	2170	977	10	1445	650	10	1445	650
M 2.5	2.5	0.45	15	1910	860	10	1275	574	10	1275	574
M 3	3.0	0.50	15	1590	795	10	1060	530	10	1060	530
M 4	4.0	0.70	15	1195	837	10	795	557	10	795	557
M 5	5.0	0.80	15	955	764	10	635	508	10	635	508
M 6	6.0	1.00	15	795	795	10	530	530	10	530	530
M 8	8.0	1.25	15	595	744	10	400	500	10	400	500
M10	10.0	1.50	15	475	713	10	320	480	10	320	480

Application



Material

Steel
 $< 850 \text{ N/mm}^2$
 $A_5 > 10\%$



Steel
 $850 - 1100 \text{ N/mm}^2$
 $A_5 > 10\%$



Stainless steel
 ferritic/martensitic
 $A_5 > 10\%$



Stainless steel
 [Cr-Ni/1.4301]

M	ø [mm]	P [mm]	v_c			v_c			v_c		
			$1.5 \times d$	n [min ⁻¹]	v_f [100%]	$2.0 \times d$	n [min ⁻¹]	v_f [100%]	$3.0 \times d$	n [min ⁻¹]	v_f [100%]
M 2	2.0	0.40	20	3185	1274	15	2385	954	10	1590	636
M 2.2	2.2	0.45	20	2895	1303	15	2170	977	10	1445	650
M 2.5	2.5	0.45	20	2545	1145	15	1910	860	10	1275	574
M 3	3.0	0.50	20	2120	1060	15	1590	795	10	1060	530
M 4	4.0	0.70	20	1590	1113	15	1195	837	10	795	557
M 5	5.0	0.80	20	1275	1020	15	955	764	10	635	508
M 6	6.0	1.00	20	1060	1060	15	795	795	10	530	530
M 8	8.0	1.25	20	795	994	15	595	744	10	400	500
M10	10.0	1.50	20	635	953	15	475	713	10	320	480
M 2	2.0	0.40	15	2385	954	10	1590	636			
M 2.2	2.2	0.45	15	2170	977	10	1445	650			
M 2.5	2.5	0.45	15	1910	860	10	1275	574			
M 3	3.0	0.50	15	1590	795	10	1060	530			
M 4	4.0	0.70	15	1195	837	10	795	557			
M 5	5.0	0.80	15	955	764	10	635	508			
M 6	6.0	1.00	15	795	795	10	530	530			
M 8	8.0	1.25	15	595	744	10	400	500			
M10	10.0	1.50	15	475	713	10	320	480			
M 2	2.0	0.40	15	2385	954	10	1590	636			
M 2.2	2.2	0.45	15	2170	977	10	1445	650			
M 2.5	2.5	0.45	15	1910	860	10	1275	574			
M 3	3.0	0.50	15	1590	795	10	1060	530			
M 4	4.0	0.70	15	1195	837	10	795	557			
M 5	5.0	0.80	15	955	764	10	635	508			
M 6	6.0	1.00	15	795	795	10	530	530			
M 8	8.0	1.25	15	595	744	10	400	500			
M10	10.0	1.50	15	475	713	10	320	480			

