Performance Data⁽¹⁾

TMSO4 Standoffs

fied	Туре	Thread Code	Test Sheet Material008" 304 Stainless Steel HRC 37 / HV 360				
			Installation (lbs.)	Pushout (lbs.)	Torque-out (in. lbs.)	Pull-thru (lbs.)	
<u>=</u>		080	2600	30	4.0 (2)	137	
	TMS04	256	3000	40	4.4	193	

	Туре	Thread Code	Test Sheet Material - 0.2mm 304 Stainless Steel HRC 37 / HV 360					
			Installation (kN)	Pushout (N)	Torque-out (N-m)	Pull-thru (N)		
<u>့</u>	TMS04	M1	8.2	130	0.07 (2)	440		
Metr	TMS04	M1.2	9.9	130	0.14 (2)	525		
Σ	TMS04	M1.4	11.1	130	0.21 (2)	590		
	TMS04	M1.6	11.6	130	0.45 ⁽²⁾	610		
	TMS04	M2	13.4	175	0.5	860		

MSO4 Standoffs

	Tune Thread	Thread	read Max. Rec. Tightening Torque	Sheet Thickness	Test Sheet Material - 304 Stainless Steel			
eq	Туре	Code	for Mating Screw (in. lbs.)	(in.)	Installation (lbs.)	Pushout (lbs.)	Torque-out (in. lbs.) (2)	Pull-Thru (lbs.) ⁽²⁾
!!!	MS04	080	.65	.013	2500	33	1.3	78
	W304	000	.00	.017	2500	45	2.2	10
	MS04	256	12	.013	2500	33	2.2	110
	W304	230	1.3	.017	2500	45	2.6	7 110

	Tuna	Thread	Max. Rec. Tightening Torque	Sheet Thickness	Test Sheet Material - 304 Stainless Steel			
	Type	Code	for Mating Screw (N-m)	(mm)	Installation (kN)	Pushout (N)	Torque-out (N-m) (2)	Pull-Thru (N ⁽²⁾
	MS04	M1	0.019	0.3	11.1	150	0.15	350
4.	IVI304	IVII	0.019	0.43		200	0.25	
Metric	MS04	M1.2	0.036	0.3	150	0.15	250	
et	IVI304	IVI I.Z	0.036	0.43	11.1	200	0.25	350
Š	MS04	M1.6	0.057	0.3	11.1	200	0.15	350
	W304	IVII.O	0.057	0.43	Hil	150	0.25	
	MS04	M1.6	0.084	0.3		200	0.15	350
	IVI304	IVII.O	0.004	0.43		150	0.25	
	MS04	M2	0.175	0.3	11.1	150	0.25	E00
	W304	IVIZ	0.175	0.43	11.1	200	0.3	500

MPP Pins

Туре	Pin Diameter Code	Test Sheet Thickness	Installation (kN)	Pushout (N)	
MPP	1MM	0.5mm stainless steel HRB 88	10	320	
MPP	1.5MM	0.5mm stainless steel HRB 88	12	760	
MPP	2MM	0.5mm stainless steel HRB 88	18	860	

T4 Fasteners

	300 Series Stainless Steel					
Туре	Instal	lation	Pullout			
	N	lbs.	N	lbs.		
T4-10-025	2020	455	200	45		
T4-10-050	74-10-050 2020		200	45		

TA Fasteners

	5052-H34 Aluminum				
Туре	Installation		Pull	Pullout	
	N	lbs.	N	lbs.	
TA-10-025					
TA-10-050	820	185	80	18	
TA-10-075					

- (1) Published installation forces are for general reference. Actual set-up and confirmation of complete installation should be made by observing proper seating of fastener as described in the installation steps. Other performance values reported are averages when all proper installation parameters and procedures are followed. Variations in mounting hole size, sheet material, and installation procedure may affect performance. Performance testing this product in your application is recommended. We will be happy to provide technical assistance and/or samples for this purpose.
- (2) Performance in torque-out and pull-thru will depend on the strength and type of screw being used. In most cases the failure will be in the screw and not in the self clinching standoff. Please contact our Applications Engineering group with any questions.