

# LOADS

## DUOPOWER inch

Allowable Capacities<sup>1) 2)</sup> for a single anchor.

Type		DUOPOWER 3/16"		DUOPOWER 1/4"		DUOPOWER 5/16"	
Sheet Metal Screw	#	4 - 6		6 - 10		8 - 12	
Recommended loads in the respective base material $F_{rec}$		Tension <sup>3)</sup>	Shear <sup>4)</sup>	Tension <sup>3)</sup>	Shear <sup>4)</sup>	Tension <sup>3)</sup>	Shear <sup>4)</sup>
Gypsum plasterboard	1/2" [lbf]	25	35	30	45	35	55
Concrete Hollow Block	[lbf]	35	115	55	200	60	270
Solid Concrete <sup>5)</sup>	[lbf]	50	115	100	200	115	325

<sup>1)</sup> Allowable load capacities listed are calculated using an applied safety factor of 4.0.

<sup>2)</sup> The loads are based on the largest possible screw diameter.

<sup>3)</sup> The load data are valid for tension and combined tension and shear load.

<sup>4)</sup> The load data are valid only for shear load.

<sup>5)</sup> Solid concrete compression strength  $f_c \geq 4000$  psi.