



PLDB4T414G

The Dog Bone anchor is a high strength, economical, and low profile insert for lifting and handling of precast elements. The anchor utilizes forged spherical ends, one to prevent pullout under loading, and the other for lifting. The Dog Bone anchor utilizes an application specific "Lifting Eye" to attach rigging to the anchor.

The Dog Bone lifting system is ideal for applications requiring quick connect/disconnect, rotation, and repeated handling use. The lifting eye consists of a spherical head that attaches to the dog bone anchor, and a quick connect bail that attaches to the rigging. A key feature is the quick connect bail that can rotate freely through 180° degrees under load. Additionally, the spherical head, or lifting eye, has the ability to rotate 360° degrees while under load.

Due to the dynamic nature of the lifting system, use of the Dog Bone anchor for thin slab panels or edge lifting is not recommended.

Dog Bone

Item #	Size (T)	Height	FD	HD	D	Weight (lbs)	Lifting Eye	Recess Former	SWL 5000psi	Safety Factor	UML/T
1T											
PLDB1T238G	1T	2 3/8	1	3/4	3/8	.13	PLLE1T	PLDBRM1T	1910	4:1	8000
PLDB1T258G	1T	2 5/8	1	3/4	3/8	.14	PLLE1T	PLDBRM1T	2000	4:1	8000
PLDB1T338G	1T	3 3/8	1	3/4	3/8	.16	PLLE1T	PLDBRM1T	2000	4:1	8000
PLDB1T434G	1T	4 3/4	1	3/4	3/8	.21	PLLE1T	PLDBRM1T	2000	4:1	8000
2T											
PLDB2T234G	2T	2 3/4	1 3/8	1	9/16	.30	PLLE2T	PLDBRM2T	2510	4:1	16000
PLDB2T338G	2T	3 3/8	1 3/8	1	9/16	.34	PLLE2T	PLDBRM2T	3900	4:1	16000
PLDB2T434G	2T	4 3/4	1 3/8	1	9/16	.44	PLLE2T	PLDBRM2T	4000	4:1	16000
PLDB2T512G	2T	5 1/2	1 3/8	1	9/16	.49	PLLE2T	PLDBRM2T	4000	4:1	16000
PLDB2T634G	2T	6 3/4	1 3/8	1	9/16	.56	PLLE2T	PLDBRM2T	4000	4:1	16000
PLDB2T11G	2T	11	1 3/8	1	9/16	.84	PLLE2T	PLDBRM2T	4000	4:1	16000
4T											
PLDB4T334G	4T	3 3/4	1 3/4	1 7/16	11/16	.82	PLLE4T	PLDBRM4T	4700	4:1	32000
PLDB4T414G	4T	4 1/4	1 3/4	1 7/16	11/16	.90	PLLE4T	PLDBRM4T	5450	4:1	32000
PLDB4T434G	4T	4 3/4	1 3/4	1 7/16	11/16	.94	PLLE4T	PLDBRM4T	6700	4:1	32000
PLDB4T512G	4T	5 1/2	1 3/4	1 7/16	11/16	1.1	PLLE4T	PLDBRM4T	8000	4:1	32000
PLDB4T718G	4T	7 1/8	1 3/4	1 7/16	11/16	1.3	PLLE4T	PLDBRM4T	8000	4:1	32000
PLDB4T912G	4T	9 1/2	1 3/4	1 7/16	11/16	1.6	PLLE4T	PLDBRM4T	8000	4:1	32000
8T											
PLDB8T434G	8T	4 3/4	2 3/8	1 13/16	1 1/8	2	PLLE8T	PLDBRM8T	7450	4:1	64000
PLDB8T634G	8T	6 3/4	2 3/8	1 13/16	1 1/8	2.5	PLLE8T	PLDBRM8T	12850	4:1	64000
PLDB8T10G	8T	10	2 3/8	1 13/16	1 1/8	3.3	PLLE8T	PLDBRM8T	16000	4:1	64000
PLDB8T1338G	8T	13 3/8	2 3/8	1 13/16	1 1/8	4.3	PLLE8T	PLDBRM8T	16000	4:1	64000
20T											
PLDB20T10G	20T	10	3 7/8	2 7/8	1 5/8	7.7	PLLE20T	PLDBRM20T	21500	4:1	160000
PLDB20T1934G	20T	19 3/4	3 7/8	2 7/8	1 5/8	13.2	PLLE20T	PLDBRM20T	40000	4:1	160000

Material High Strength Steel
Finish HDG

SWL Safe Working Load in 5000 psi concrete
UML/T Ultimate Mechanical Load in Tension (lbs)