



UCAN

FASTENING PRODUCTS

SZ HEAVY LOAD ANCHORS



UCAN SZ Heavy Load Anchors are mechanical anchors with controlled expansion that deliver exceptionally high tension and shear loads. Available in both zinc plated Grade 8.8 carbon steel & Grade 316 stainless steel, heavy load anchors are ideal for applications requiring a high degree of security and reliability. UCAN SZ heavy load anchors are offered in a choice of 3 head styles, finished hex bolt, hex nut and countersunk. The size range is now expanded to include M24.

FEATURES:

- ICC-ES® Listed ESR-3304
- ACI 318 category 1 anchor for cracked or uncracked concrete
- Superior fastening for dynamic and static loads
- Torque controlled expansion. High shear load. Through fastening.
- Collapsible collar provides reliable pull-down force
- Expanded size range – now includes M24
- Available in Stainless Steel & Galvanized finish to order
- Offered in three different head styles - hex bolt, stud + hex nut & countersunk

TYPICAL APPLICATIONS:

- High load capacity, safety-relevant or dynamic applications including Road and bridge construction
- Medical equipment installation
- Heavy machinery and robotics installation
- Structural steel columns and frame
- Dynamic and seismic loading applications
- Parking structure rehabilitation
- Cantilevers, cranes, car hoists
- Heavy pipe supports, pumps

APPROVALS:

- ICC-ES® listed (ESR - 3304)
- ACI 318 category 1 anchor for cracked or uncracked concrete

LIMITATIONS:

Not recommended for uncured concrete (less than 7 days old), lightweight concrete, masonry block or brick.



QUALITY | INNOVATION | SERVICE

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Anchor Selection – Carbon Steel, Zinc Plated

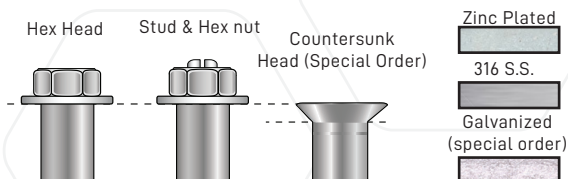
PART NUMBER		BOLT/STUD DIAMETER mm	DRILL BIT DIA. (mm) (ANCHOR O.D.)	OVERALL ANCHOR LENGTH (mm)		FASTENING THICKNESS (mm)	BOX QUANTITY
				SHL	BHL		
SHL 600	BHL 600			65	67	0	100
SHL 610	BHL 610			75	77	10	50
SHL 630	BHL 630	6	10	95	97	30	50
SHL 650	BHL 650			115	117	50	25
—	BHL 6100			—	167	100	25
SHL 800	BHL 800			77	80	0	50
SHL 810	BHL 810			87	90	10	50
SHL 830	BHL 830	8	12	107	110	30	50
SHL 850	BHL 850			127	130	50	25
—	BHL 8100			—	180	100	25
SHL 1000	BHL 1000			93	96	0	25
SHL 1015	BHL 1015			108	111	15	25
SHL 1025	BHL 1025	10	15	118	121	25	25
SHL 1045	BHL 1045			138	141	45	25
SHL 1095	BHL 1095			188	191	95	25
SHL 1200	BHL 1200			107	112	0	20
SHL 1210	BHL 1210			117	122	10	20
SHL 1220	BHL 1220	12	18	127	132	20	20
SHL 1240	BHL 1240			147	152	40	20
SHL 1270	BHL 1270			177	182	70	20
—	BHL 12100			—	212	100	10
SHL 1600	BHL 1600			132	137	0	10
SHL 1620	BHL 1620	16	24	152	157	20	10
SHL 1650	BHL 1650			182	187	50	10
—	BHL 16100			—	237	100	5
SHL 2010	BHL 2010			152	161	0	10
SHL 2030	BHL 2030	20	28	192	201	30	10
SHL 2060	BHL 2060			222	231	60	5
SHL 20100	BHL 20100			262	271	100	5
SHL 2410	BHL 2410			212	217	10	5
SHL 2430	BHL 2430	24	32	232	237	10	5
SHL 2460	BHL 2460			262	267	10	5

Red = stock items

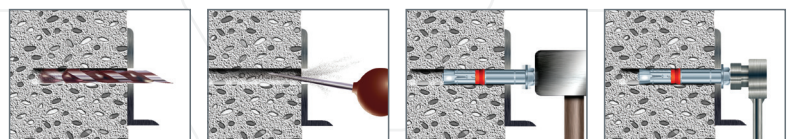
MATERIAL SPECIFICATION:

- ISO Grade 8.8 (ASTM A325M) – Ultimate Tensile Strength = 800 MPa
- ASTM F738M, (Grade A4-70), 316 Alloy – Ultimate Tensile Strength = 700 MPa

AVAILABLE HEAD STYLES AND FINISHES:



INSTALLATION:



To ensure optimal anchor performance, use UCAN ANSI compliant drill bits.