

Sleeve anchor USL

Sleeve anchor USL made of zinc-plated steel for versatile fixings in indoor applications

Long Description

The Upat USL sleeve anchor is the cost-effective solution for reliable fixings in indoor applications. It is ideally suited for installation in non-cracked concrete. The USL sleeve anchor is versatile and allows for secure standard fixings while offering easy handling. Thanks to its good shear load capacity, the number of required fixing points can be reduced. Typical applications include railings, brackets, cable trays and stairs in indoor areas.

Characteristics

- Load range: Recommended tensile loads 0.8–5.0 kN, recommended shear loads 0.8–6.3 kN
- Material: Steel, zinc-plated (zp), for fixings in dry indoor applications
- Variants: Available with different head types such as bolts, nuts, hooks and eyes
- Features: Thread sizes M6–M16, usable lengths 2–35 mm
- Accessories: Blower UPM AB

Applications

- Handles
- Consoles
- Ladders
- Cable trays
- Gates
- Temporary or structural fixings

Advantages

- Compact design: Available in different versions such as standard bolt (D), eye (EY) and hook (H) for versatile fixings in indoor applications
- High shear loads: The shank and sleeve are optimally matched and ensure reliable fixings with high shear load capacity
- Flexible installation: The variants with eye or hook provide additional options for temporary and structural fixings
- Simple drill choice: Standard drill bits enable quick and straightforward installation
- Steel, zinc-plated (zp), for use in dry indoor applications.

Materials

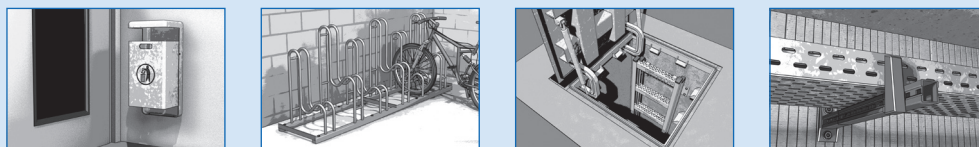
Suitable for:

- Concrete, non-cracked
- Natural stone with dense structure.



Steel fixings

Application examples



Straight to the product



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Product variants

Product	Art.No.	Anchor length	Drill diameter	Thread	Installation torque	Max. fixture thickness	Min. drill hole depth for through fixings	Min. effect. anchorage depth	Width across nut	Sales unit
USL BR M12x80 D16 zp	578323	80	16	M12	60	2	95	55	19	25
USL M6x45 D8 zp	578311	45	8	M6	10	2	55	30	10	100
USL M6x45 EY D8 zp	578312	45	8	M6	5	—	55	30	10	100
USL M6x45 H D8 zp	578313	45	8	M6	5	—	55	30	10	100
USL M6x60 D8 zp	578314	60	8	M6	10	15	70	30	10	100
USL M8x60 D10 zp	578315	60	10	M8	25	10	70	35	13	50
USL M8x60 EY D10 zp	578316	60	10	M8	15	—	70	35	13	50
USL M8x60 H D10 zp	578317	60	10	M8	15	—	70	35	13	50
USL M8x80 D10 zp	578318	80	10	M8	25	30	90	35	13	50
USL M10x70 D12 zp	578319	70	12	M10	40	8	80	45	17	50
USL M10x70 EY D12 zp	578320	70	12	M10	30	—	80	45	17	25
USL M10x70 H D12 zp	578321	70	12	M10	30	—	80	45	17	25
USL M10x100 D12 zp	578322	100	12	M10	40	35	110	45	17	50
USL M12x80 EY D16 zp	578324	80	16	M12	50	—	95	55	19	25
USL M12x110 D16 zp	578325	110	16	M12	60	25	125	65	19	25
USL M16x110 D20 zp	578326	110	20	M16	70	15	130	70	24	25

Steel, zinc-plated (zp/gvz), for use in dry indoor applications.

Standard bolt (D): For universal fixings in indoor areas

Eye (EY): For fixings with eye-bolt character, e.g. for cables or suspensions

Hook (H): For fixings and suspensions requiring quick attachment and removal

Load table

Description	Drill diameter	Min. Bore depth for through fasteners	Anchor length	Max. Useful length h_{df} , max./ h_{df} , min.	Head	Width across nut	N_{rec}	V_{rec}
	d_0 [mm]	h_2 [mm]	l [mm]	t_{fix} [mm]	$\varnothing \times$ longitude [mm]	$\varnothing$ SW [mm]	[kN]	[kN]
USL M6x45 D8	8	55	45	2	M6	10	2,0	1,5
USL M6x60 D8	8	70	60	15	M6	10	2,0	1,5
USL M8x60 D10	10	70	60	10	M8	13	2,5	2,7
USL M8x80 D10	10	90	80	30	M8	13	2,5	2,7
USL M10x70 D12	12	80	70	10	M10	17	3,0	4,3
USL M10x100 D12	12	110	100	35	M10	17	3,0	4,3
USL M12x80 D16	16	95	80	2	M12	19	5,0	6,3
USL M12x110 D16	16	125	110	35	M12	19	5,0	6,3
USL M6x45 EY D8	8	55	45	2	M6	10	0,8	0,8
USL M8x60 EY D12	10	70	60	10	M8	13	1,4	1,4
USL M10x70 EY D12	12	80	70	8	M10	17	1,8	1,8
USL M12x80 EY D16	16	95	80	8	M12	19	2,0	2,0
USL M6x45 H D8	8	55	45	2	M6	10	0,8	0,8
USL M8x60 H D10	10	70	60	10	M8	13	1,4	0,8
USL M10x70 H D12	12	80	70	8	M10	17	1,8	1,8