



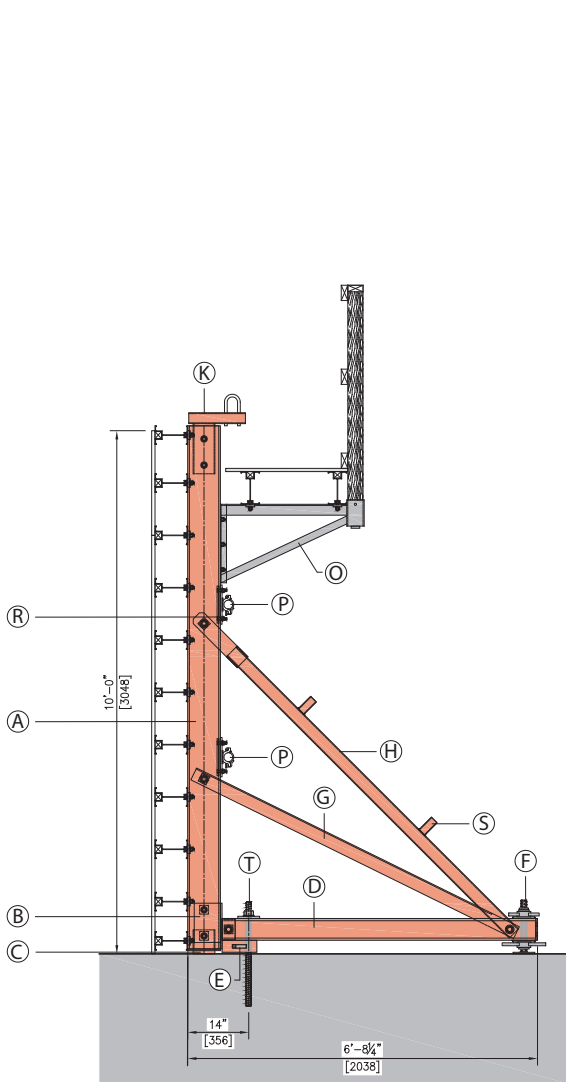
OSCAR One Side Wall Forms

- Efficient & economical System

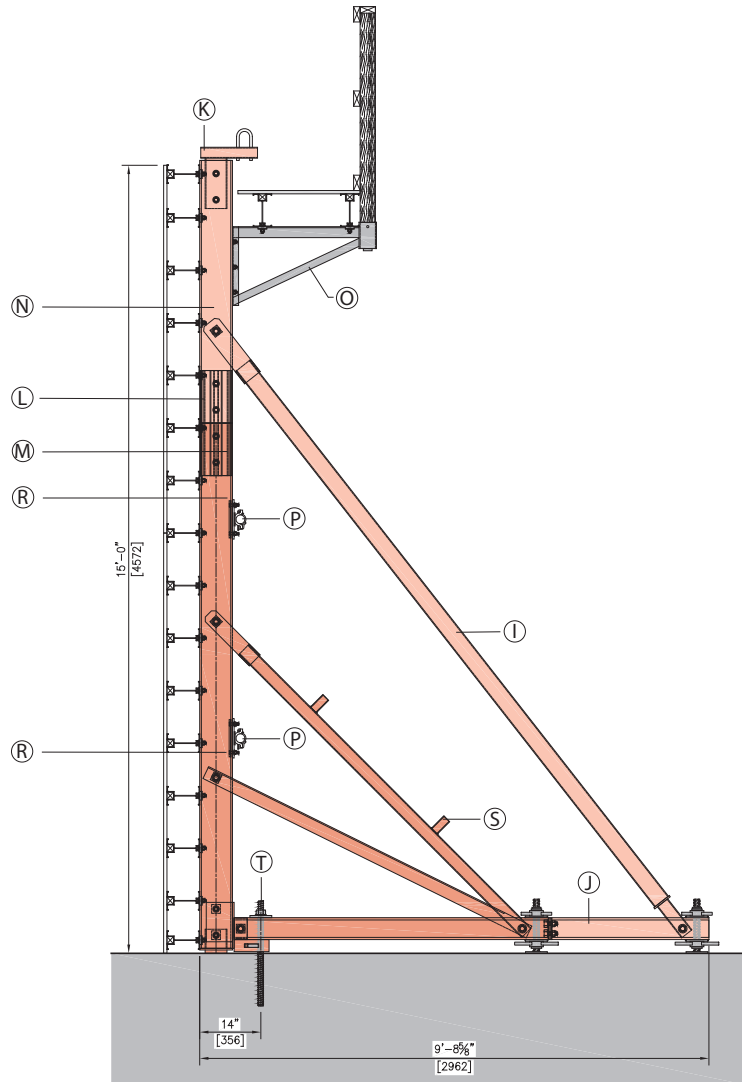
OSCAR One Side Wall Forms

OSCAR One Side Wall Form Bracket is a high strength light weight supporting structure for single-sided wall formwork. It is an efficient and economical solution for supporting concrete being poured against existing surfaces, such as excavation banks, rocks, walls and similar structures.

Standard OSCAR One Side Wall Form R-Brace is designed for pour height of up to 10 ft (3.00 m). Standard OSCAR R-Brace can be extended for an additional 5 ft (1.5 m) for forming height of up to 15 ft (4.4 m) and become OSCAR E-Brace.



OSCAR R-BRACE (Regular)



OSCAR E-BRACE (Extended)

OSCAR Parts Description:

A	H-750 Strongback 10 ft
B	Base Bracket
C	H-750 Strongback Shoe
D	Base Beam
E	Positioning Wedge Device
F	Levelling Jack
G	Short Strut
H	Middle Strut
I	Long Strut
J	Base Beam Extension
K	Lifting Lug

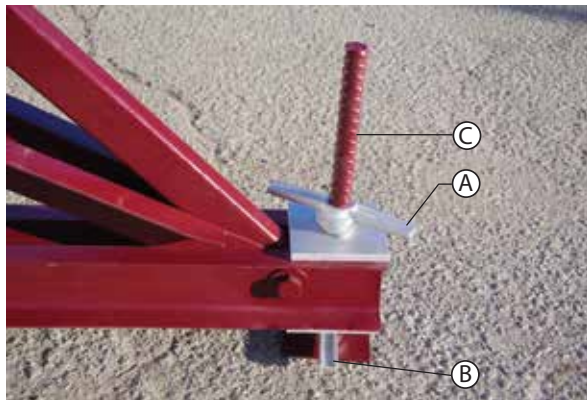
L	C-750 Coupling
M	Moment Splice Plate
N	H-750 Strongback 5 ft
O	Platform Bracket
P	Bracing Pipe Wedge Clamp
R	Two Bolt Clamp
S	Bracing stud
T	CTS Bar

PRODUCT FEATURES:

- Suitable for support of different wall form systems

WH-750 ALUMINUM GANG FORM PANELS
WOOD GANG FORMS
PROMAX Panels
ALPAN Panels

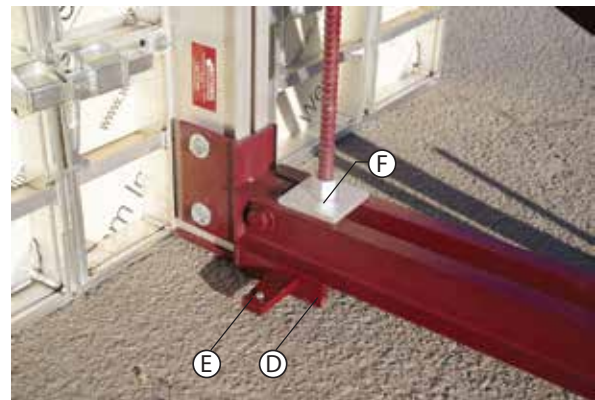
- Tensile and horizontal forces of each OSCAR Bracket are transferred to vertical anchoring systems
- Unique Wedge Pin, the integral device of OSCAR Bracket, position wall forms at desire pour line
- Leveling Jack, for easy vertical adjustment of entire wall form support



Leveling jack

To plum OSCAR Bracket with Leveling Jack use top and bottom handles of the Screw Jack Bar. By releasing top handle and raising bottom handle, OSCAR Brace push wall form away and by releasing bottom handle and lowering top handle, OSCAR Brace pulls wall form back.

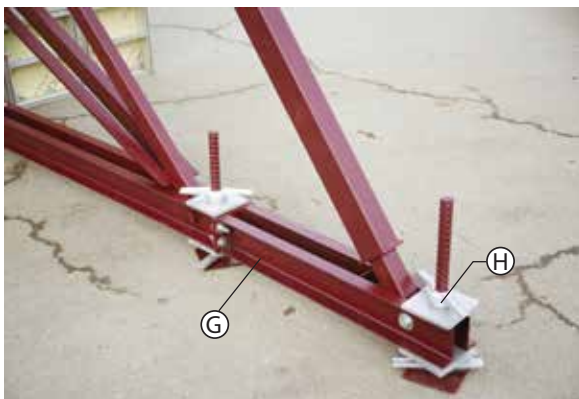
- A Top Handle
- B Bottom Handle
- C Screw Jack Bar



Wedge Pin Device

By driving Wedge Pin in, OSCAR Brace moves wall form panel away from future concrete surface and by driving Wedge Pin out, OSCAR Brace moves wall form towards future concrete surface.

- D Spacer Brace Plates
- E Wedge Plate
- F Anchor Assembly



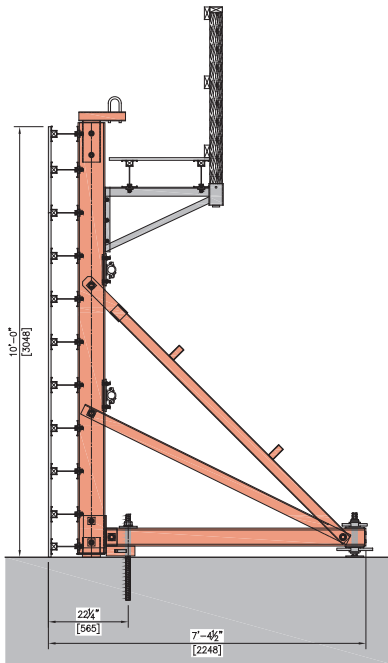
Base Beam Extension

To configure **OSCAR E-Brace** for up to 15 ft high pour, Long Strut with additional Leveling Jack is attached to Base Beam of OSCAR R-Bracket and Long Strut is added.

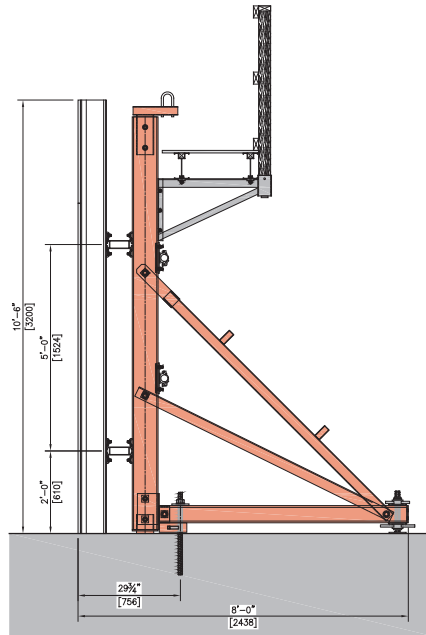
- G Base Beam Extension
- H Additional Leveling Jack

OSCAR One Side Wall Forms

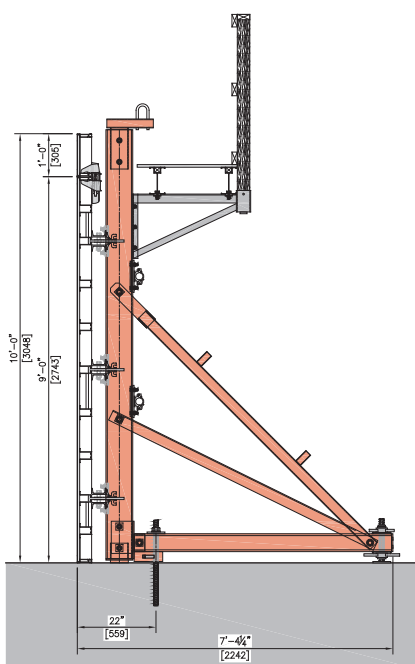
OSCAR R-Braces in support of different Wall Forms



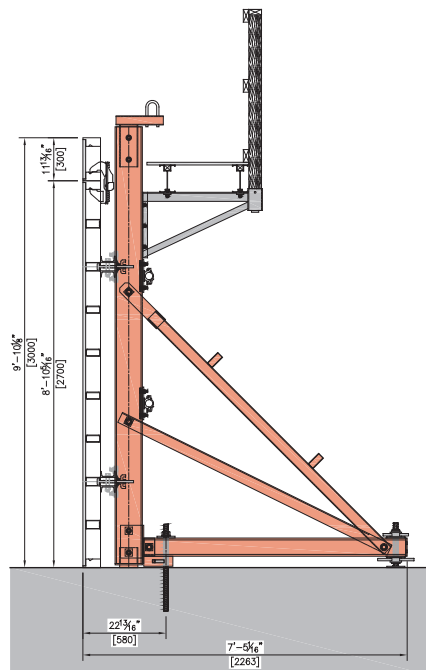
WH-750 Gang form panel having horizontal Walers



WH-750 Wall Form panel having vertical Walers



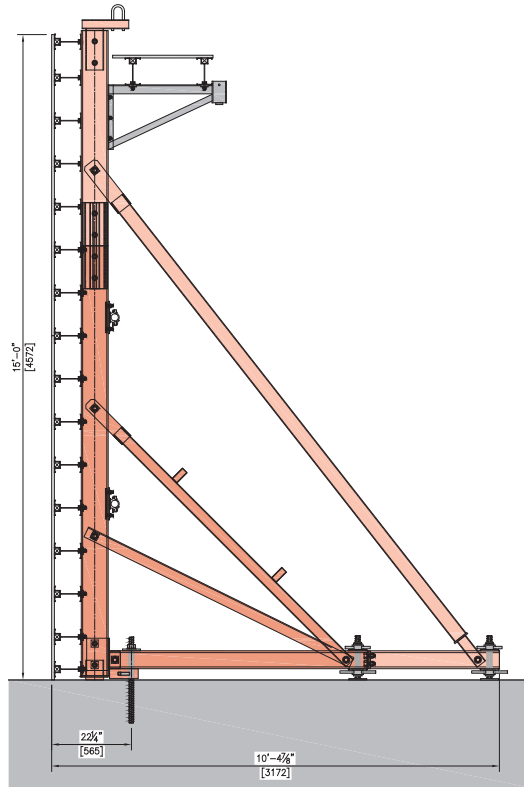
ALPAN HD Wall Form Panel



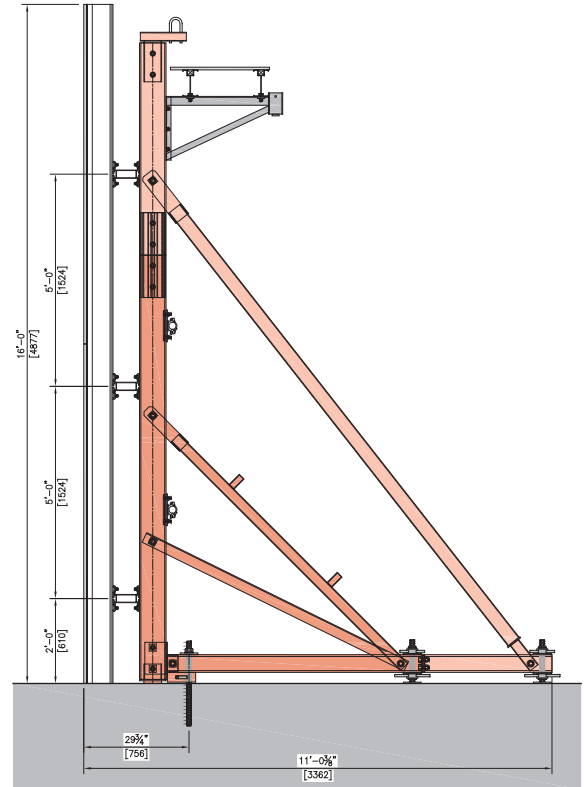
PROMAX Wall Form Panel



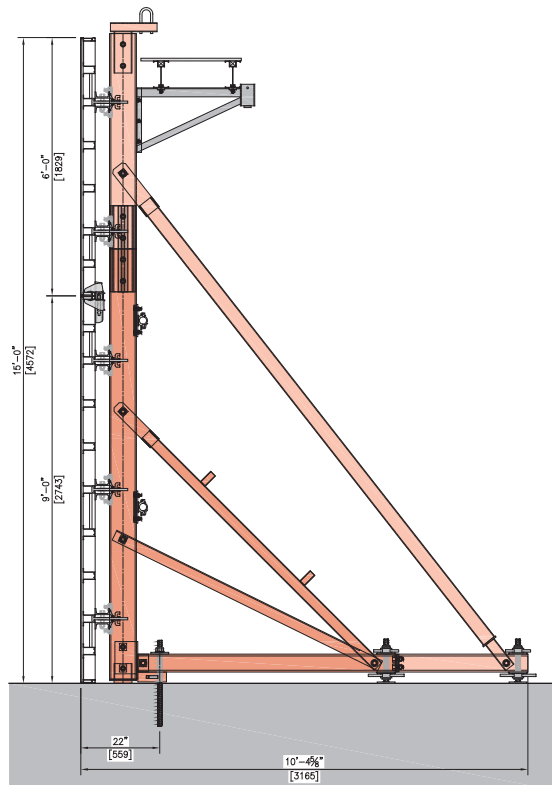
OSCAR E-Braces in support of different Wall Forms



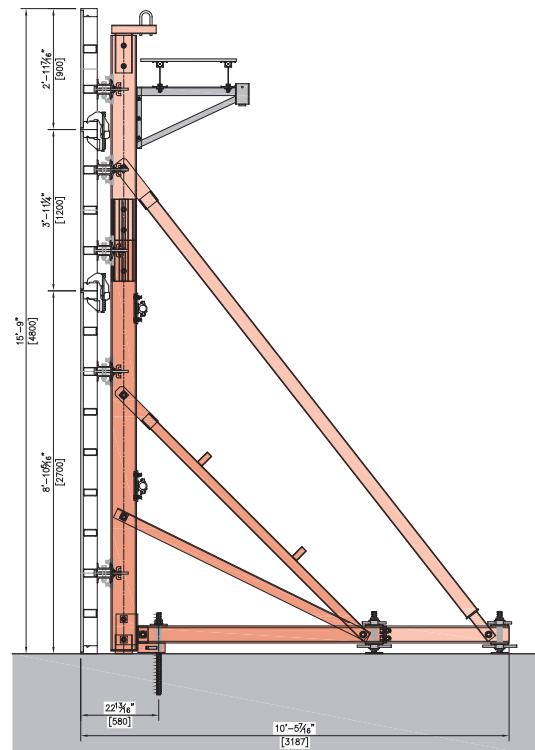
WH-750 Wall Form panel having horizontal Walers



WH-750 Wall Form panel having vertical Walers



ALPAN HD Wall Form Panel



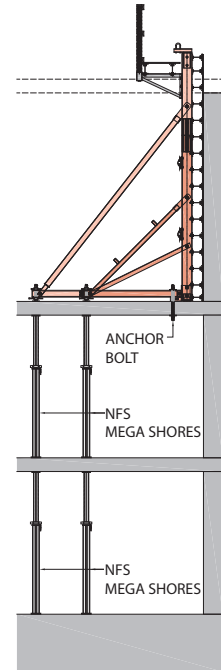
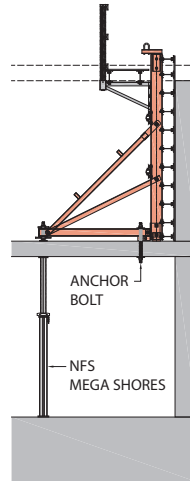
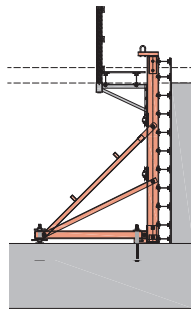
PROMAX Wall Form Panel

OSCAR One Side Wall Forms

OSCAR BRACKETS anchored to suspended concrete slab

To anchor OSCAR Bracket for suspended concrete slab, use 1 1/2" I.D. plastic sleeve same length as thickness of concrete slab and place vertically at position of OSCAR Bracket, before concrete placement.

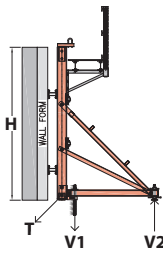
NOTE: Slab thickens 6" min.



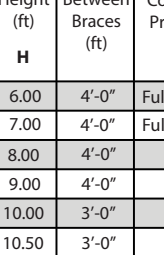
DESIGN DATA

The following tables are showing required spacing between OSCAR Brackets in relation to the height of concrete pour and pressure of fresh concrete on wall forms.

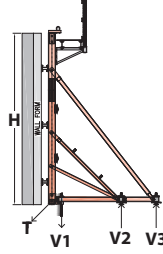
OSCAR R-BRACE (Horizontal Walers)

	Pour Height (ft) H	Spacing Between Braces (ft)	Allowable Concrete Pressure (psf)	Total Anchor Force (kip) T	Base Axial Reactions (kip)		Max. Deflection (in)
					V1	V2	
	6.00	4'-0"	Full Liquid	13.6	4.7	4.9	0.051
	7.00	4'-0"	Full Liquid	15.8	5.8	5.8	0.082
	8.00	4'-0"	900	19.9	8.4	8.4	0.086
		4'-0"	1050	20.8	8.6	8.6	0.106
	9.00	4'-0"	600	19.6	10.1	10.1	0.120
		4'-0"	900*	24.6	11.7	11.7	0.210
	10.00	4'-0"	500	18.9	11.0	11.0	0.248
		4'-0"	750*	27.6	15.2	15.2	0.248

OSCAR R-BRACE (Vertical Walers)

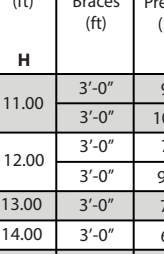
	Pour Height (ft) H	Spacing Between Braces (ft)	Allowable Concrete Pressure (psf)	Total Anchor Force (kip) T	Base Axial Reactions (kip)		Max. Deflection (in)
					V1	V2	
	6.00	4'-0"	Full Liquid	11.4	3.6	3.6	0.051
	7.00	4'-0"	Full Liquid	15.8	5.7	5.7	0.072
	8.00	4'-0"	900	19.9	8.4	8.4	0.120
	9.00	4'-0"	750	22.5	11.1	11.1	0.216
	10.00	3'-0"	600	17.4	9.8	9.8	0.230
	10.50	3'-0"	600	18.9	11.1	11.1	0.250

OSCAR E-BRACE (Horizontal Walers)

	Pour Height (ft) H	Spacing Between Braces (ft)	Allowable Concrete Pressure (psf)	Total Anchor Force (kip) T	Base Axial Reactions (kip)			Max. Deflection (in)
					V1	V2	V3	
	11.00	3'-0"	1050	28.0	15.0	13.3	1.7	0.107
	12.00	3'-0"	900	29.8	17.3	14.1	3.2	0.103
		3'-0"	1050*	34.8	20.2	16.4	3.8	0.120
	13.00	3'-0"	750	30.0	18.5	13.2	5.3	0.121
	14.00	2'-6"	750	33.5	21.2	13.3	8.0	0.134
	15.00	2'-6"	600	30.1	20.3	9.9	10.4	0.250

* With lateral bracing

OSCAR E-BRACE (Vertical Walers)

	Pour Height (ft) H	Spacing Between Braces (ft)	Allowable Concrete Pressure (psf)	Total Anchor Force (kip) T	Base Axial Reactions (kip)			Max. Deflection (in)
					V1	V2	V3	
	11.00	3'-0"	900	26.0	14.4	12.9	1.4	0.108
		3'-0"	1050*	26.0	16.8	15.1	1.7	0.120
	12.00	3'-0"	750	26.7	16.0	13.3	2.7	0.123
		3'-0"	900*	26.7	19.2	16.0	3.2	0.144
	13.00	3'-0"	750	30.3	18.9	14.5	4.4	0.144
	14.00	3'-0"	600	28.6	18.7	12.3	6.4	0.138
	15.00	3'-0"	600	31.5	21.1	12.1	9.0	0.150
	16.00	2'-6"	600	28.7	19.6	9.5	10.1	0.137

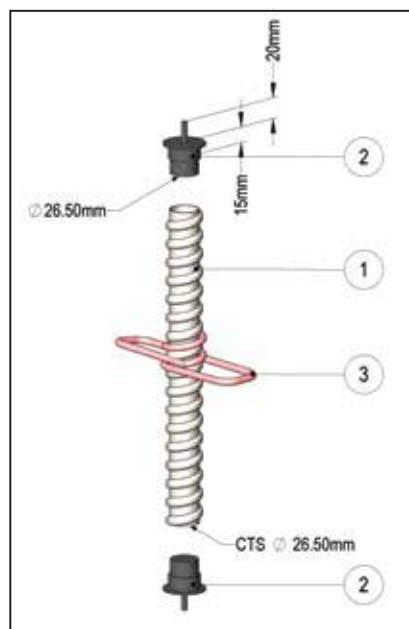
ANCHORING SYSTEMS

Two main parts of OSCAR Anchoring system consists of 26.5 mm Robusta traded sleeve and CTS Grade 154 H all treaded bar confirmed to ASTM A-722

Before concrete pour, Robusta threaded sleeve is positioned at 14" (355 mm) from wall form surface and at required spacing between OSCAR Brackets, with easy mounting installation kit and secured for re-bar with Vertical Positioner.

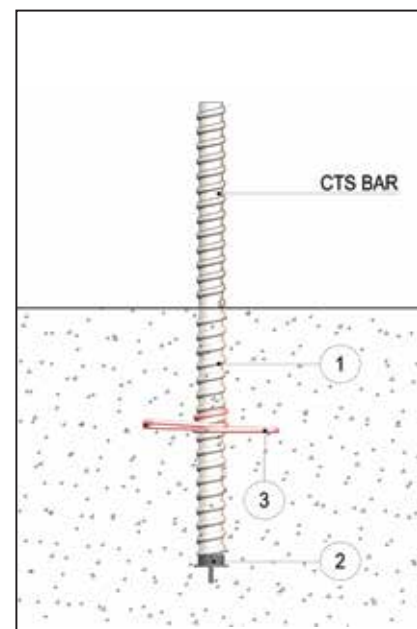
On top of Robusta sleeve marking plug with the flexible pin is placed in order for anchoring point to be easily discovered following concrete placement and leveling of the concrete surface.

Upon concrete hardening and minimum concrete strength of 25 N/mm², marking plug is removed and CTS Grade 154 H threaded bar is placed in Robusta threaded sleeve.



Robusta installation kit

- ① Threadad sleeve
- ② Marking plug
- ③ Vertical positioner



Anchoring in concrete

Vertical Positioner, wire bending part

The Vertical Positioner is made of rigid wire, attached to the re-bar and designed to keep Robusta sleeve in vertical position. After Vertical Positioner is tide up to re-bar and being around outside thread of Robusta sleeve, by turning Robusta sleeve, hight adjustment of sleeve is achieved.

CTS Grade 154 H Load Capacity

Nominal Diameter	Steel area	Ultimate	Yield	Major Thread Diameter	Weight
26.5 mm	551 mm	580 kN	525 kN	31 mm	4.48 kg/m
1"	0.85 in ²	130 K	118 K	1.22"	3.01 Lb/Ft



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