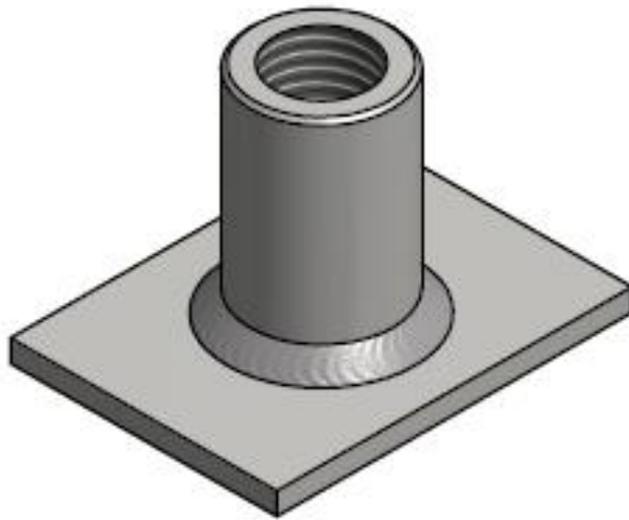


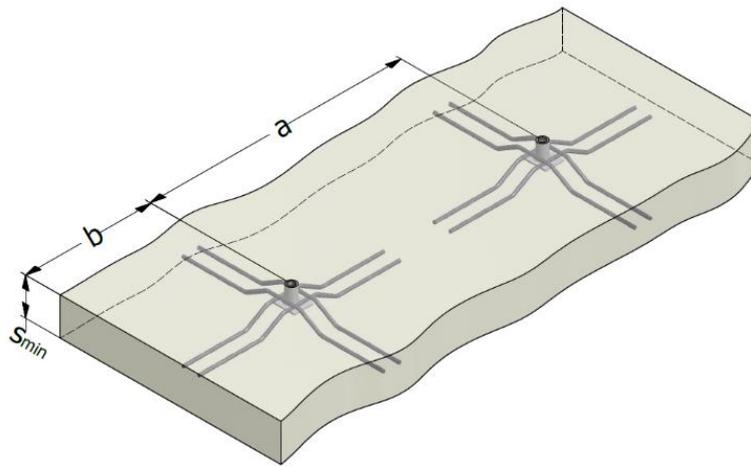
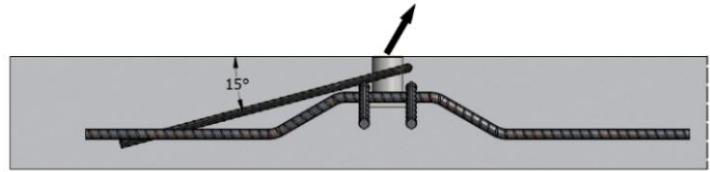
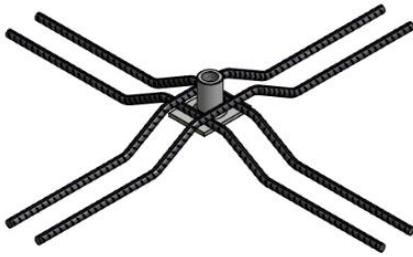
## MOUNTING INSTRUCTIONS



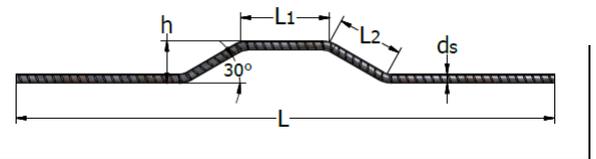
### **1D-HD - LIFTING SYSTEMS | HSP** **LIFTING SOCKET WITH FOOTPLATE HEAVY DUTY**



### LIFTING SOCKETS HSP – INSTALLATION AND REINFORCEMENTS

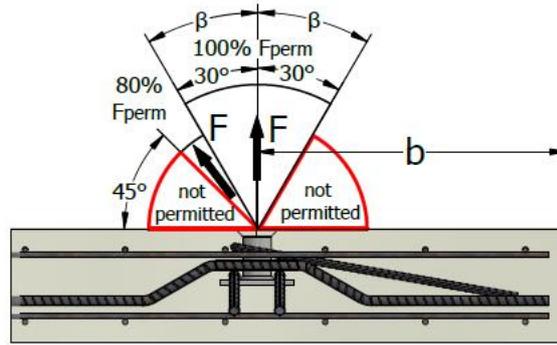
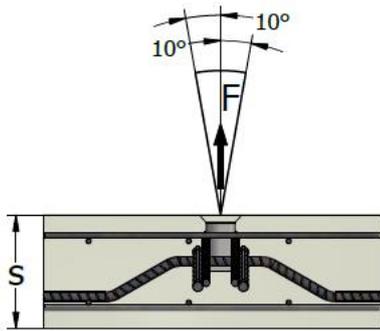


HSP M(Rd)	Load group	Minimum unit thickness	Anchor spacing	Edge distance	Mesh reinforcement
		S <sub>min</sub>	a	b	
	[t]	[mm]	[mm]	[mm]	[mm <sup>2</sup> /m]
12	1.3	100	500	250	188
16	2.5	120	820	410	188
20	4.0	150	1020	510	188
24	5.0	160	1300	650	188
30	7.5	200	1300	650	260



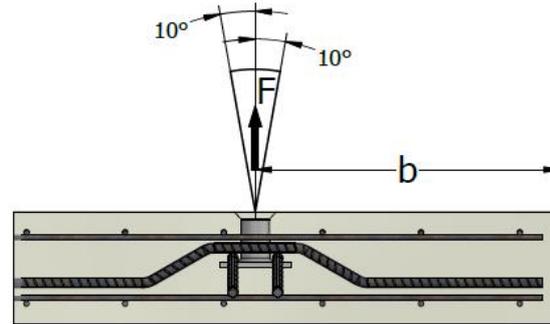
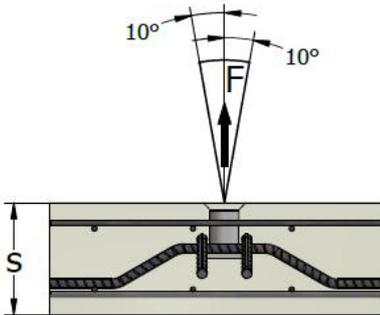
**Note:** The bend radius R will be determined according to EN 1992.  
 Additional reinforcement must be placed and secured on top of the plate anchor and in direct contact with the plate.  
 There must be two layers of mesh reinforcement.  
 Additional reinforcement must be placed crosswise in pairs.

HSP M(Rd)	Additional reinforcement						Axial load $\beta \leq 10^\circ$	Diagonal load $10^\circ \leq \beta \leq 45^\circ$	
	number	ds	L <sub>1</sub>	L <sub>2</sub>	h	L	Load capacity f <sub>cu</sub> > 15MPa	Load capacity f <sub>cu</sub> > 15MPa	Angled pull reinforcement Ø x ls
	[pcs]	[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[mm]
12	4	8	60	80	40	400	13	10.4	Ø 10 x 750
16	4	10	90	110	55	620	25	20.0	Ø 12 x 1300
20	4	12	110	110	55	800	40	32.0	Ø 12 x 1400
24	4	16	140	120	60	1120	50	40.0	Ø 16 x 1500
30	4	16	140	120	60	1220	75	60.0	Ø 16 x 1750



**Note:** The bend radius  $R$  will be determined according to EN 1992.

Diagonal reinforcement must be placed in direct contact with the socket anchor.  
 Always install diagonal reinforcement opposite the load direction.  
 The dimensions in the illustrations are in [mm].



## CONTACT



TERWA is the global supplier for precast and construction solutions with multiple offices around the world. With all our staff, partners and agents, we are happy to provide all construction and precast companies who work in the building industry with full service and 100% support.

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