

## Information sheet for possible external load suspension 2020 for Krinner ground screws

Type	Diameter Pipe [mm]	Thickn. Pipe [mm]	MR,d el Pipe [kNm]	MR,d pl Pipe [kNm]	MR,d el Flange <sup>1)</sup> [kNm]	Pressure [kN]	Tension [kN]	Horiz. [kN]
<b>E-Series</b>								
KSF E 140x1600-E76-100	139,7	3,6	11,140	15,980	-	54,00	30,00	15,50
KSF E 140x1300-E76-100	139,7	3,6	11,140	15,980	-	40,00	20,00	10,50
KSF E 89x1000-E60	88,9	3,6	4,314	6,290	-	27,00	13,50	4,50
KSF E 89x800-E60	88,9	3,6	4,314	6,290	-	22,50	10,50	3,50
KSF E 89x550-E60	88,9	3,6	4,314	6,290	-	18,00	8,50	2,00
<b>F-Series</b>								
F140x1600-P	139,7	3,6	11,140	15,980	-	54,00	30,00	15,50
F140x1300-P	139,7	3,6	11,140	15,980	-	40,00	20,00	10,50
F76x1600-R	76,1	3,6	3,097	4,550	-	35,00	21,50	8,50
F76x1300-R	76,1	2,6	2,328	3,065	-	25,00	12,50	5,50
F76x1000-R	76,1	2,6	2,328	3,065	-	16,50	9,50	4,50
F76x 800-R	76,1	2,6	2,328	3,065	-	13,50	7,00	3,50

M: Moment, Rd: Dimensioning figure for resistance load, el: elastic figure, pl: plastic figure

The figures shown in the table below can just be used for a rough pre-dimensioning to calculate the first offer. The final dimensions of the foundations have to be based on load tests with the Krinner ground screws conducted on site. The displayed figures of the outer bearing capacity were tested in ground: loam, semi-solid (TL; TM). For further technical detail please refer to our latest product catalogue and our website.

<sup>1)</sup> Depending on the number of bolts (4-12) used with the flange, different figures can be achieved.

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<b>G-Series</b>								
G114x1300-4xM16	114,3	3,6	7,329	10,640	-	40,00	21,00	10,00
G114x1000-4xM16	114,3	3,6	7,329	10,640	-	20,00	10,50	6,00
G89x1300-4xM12	88,9	2,6	3,224	4,650	-	18,00	10,00	4,20
G89x1000-4xM12	88,9	2,6	3,224	4,650	-	14,50	7,50	3,20
G89x 800-4xM12	88,9	2,6	3,224	4,650	-	10,50	6,00	2,50
G76x 800-4xM12	76,1	2,6	2,328	3,065	-	5,50	4,00	2,00
G66x650-3xM8	66,0	2,0	1,363	1,970	-	3,00	2,00	0,75
G66x650-1xM8	66,0	2,0	1,363	1,970	-	3,00	2,00	0,75
G66x550-1xM8	66,0	2,0	1,363	1,970	-	2,50	1,70	0,50

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<b>M-Series</b>								
M114x2100-M24	114,3	3,6	7,329	10,610	4,35-6,53	66,00	37,50	17,00
M114x1600-M24	114,3	3,6	7,329	10,610	4,35-6,53	47,50	27,50	13,50
M89x2100-M24	88,9	3,6	4,314	6,220	2,63-3,95	55,00	35,00	14,00
M89x1600-M24	88,9	3,6	4,314	6,220	2,63-3,95	41,00	24,50	11,00
M89x1300-M24	88,9	3,6	4,314	6,220	2,63-3,95	30,00	16,50	7,50
M76x2100-M16	76,1	3,6	3,097	4,100	1,33-2,41	45,00	32,50	11,50
M76x1600-M16	76,1	3,6	3,097	4,100	1,35-2,41	35,00	21,50	8,50
M76x1300-M16	76,1	3,6	3,097	4,100	1,35-2,41	25,00	12,50	6,50
M76x1300-M12	76,1	2,6	2,328	3,065	-	18,50	11,50	5,50
M76x1000-M12	76,1	2,6	2,328	3,065	-	16,50	9,50	4,50
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U-Series								
U66x865-111	66,0	2,0	1,363	-	-	10,50	5,50	3,50
U66x865-91	66,0	2,0	1,363	-	-	10,50	5,50	3,50
U66x730-111	66,0	2,0	1,363	-	-	6,00	4,50	2,50
U66x730-91	66,0	2,0	1,363	-	-	6,00	4,50	2,50
U66x730-71	66,0	2,0	1,363	-	-	6,00	4,50	2,50
U66x550-71	66,0	2,0	1,363	-	-	2,50	1,70	0,50

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