

SHEAR FORCE BEARING CAPACITY [kN/m]

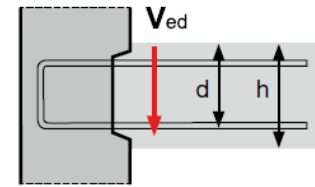
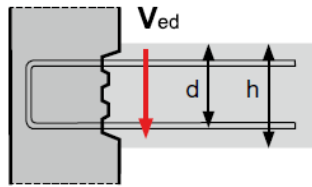
EUROCODE 2



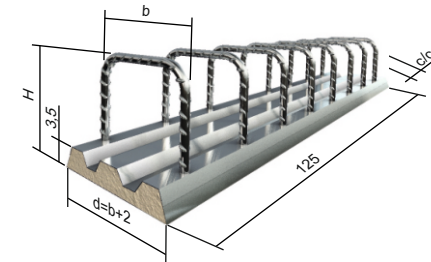
TYPE OF SURFACE	μ	c
very smooth	0,5	0,025 + 0,010
smooth	0,6	0,20
rough	0,7	0,40
with indentations	0,9	0,50

c - coefficient depends on roughness of contact area

μ - friction coefficient during abrasion

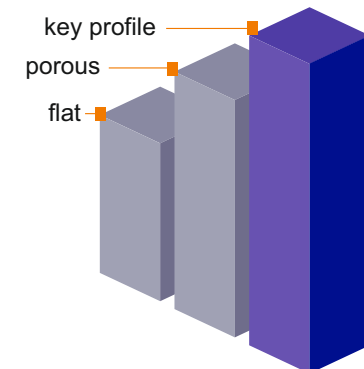


Technical data				$V_{Rd,c}$					
NORWEGIAN NUMBER	SKJØTEJERSKASSET [MM]	b/d [MM]	$\phi / c/c$ [MM]	Joint category key profiled			Joint category smooth		
				C 20/25	C 25/30	C 30/37	C 20/25	C 25/30	C 30/37
13005	RSH 80 Ø10-150 MM	80 / 80	10/150	40,75	43,89	46,64	16,30	17,56	18,66
13010	RSH 80 Ø10-200 MM		10/200	37,03	39,88	42,38	14,81	15,96	16,95
13016	RSH 80 Ø12-150 MM		12/150	46,09	49,56	52,66	18,40	19,82	21,06
13017	RSH 80 Ø12-200 MM		12/200	41,81	45,03	47,85	16,72	18,01	19,14
13025	RSH 100 Ø10-150 MM	80 / 100	10/150	40,75	43,89	46,64	16,30	17,56	18,66
13031	RSH 100 Ø10-200 MM		10/200	37,03	39,88	42,38	14,81	15,96	16,95
13045	RSH 100 Ø12-200 MM		12/200	41,81	45,03	47,85	16,72	18,01	19,14
13041	RSH 120 Ø12-150 MM	100 / 120	12/150	52,65	56,72	60,27	21,06	22,69	24,11
13060	RSH 130 Ø10-150 MM	110 / 130	10/150	49,42	53,24	56,57	19,77	21,29	22,63
13065	RSH 130 Ø10-200 MM		10/200	44,86	48,32	51,34	17,94	19,33	20,54
13075	RSH 130 Ø12-150 MM		12/150	55,79	60,11	63,87	22,32	24,04	25,55
13080	RSH 130 Ø12-200 MM		12/200	50,65	54,56	57,97	20,26	21,82	23,19
13087	RSH 160 Ø10-150 MM		10/150	57,35	61,78	65,65	22,94	24,71	26,26
13088	RSH 160 Ø10-200 MM	140 / 160	10/200	52,06	56,07	59,58	20,83	22,43	23,83
13090	RSH 160 Ø12-150 MM		12/150	64,75	69,75	74,12	25,90	27,90	29,65
13091	RSH 160 Ø12-200 MM		12/200	58,78	63,31	67,27	23,51	25,32	26,91
13093	RSH 200 Ø10-150 MM	180 / 200	10/150	67,14	72,33	76,86	26,86	28,93	30,74
13094	RSH 200 Ø10-200 MM		10/200	60,95	65,65	69,76	24,38	26,26	27,90
13096	RSH 200 Ø12-150 MM		12/150	75,80	81,65	86,77	30,32	32,66	34,71
13097	RSH 200 Ø12-200 MM		12/200	68,82	74,13	78,76	27,53	29,65	31,51



COMPARISON OF LOAD CAPACITY

Key profile transfers bigger load.



* Information found on this Data Sheet is guidance only, and all calculations linked to the use of the product should be agreed or consulted with the Constructor or Person responsible for the use.

$$V_{Rd,c} = (c/0.5) \cdot [C_{Rd,c} \cdot k \cdot (100\rho_1 \cdot f_{ck})^{1/3} + k_1 \cdot \sigma_{cp}] \cdot b_w \cdot d$$

- $\sigma_{cp} = 0$

(6.2.a) Acceptable shear force without shear reinforcement, including reduction by applying roughness coefficient c .