

ZESTAWIENIE STALI DLA RAM (ryglówki pod obudowę)

Lp.	Element (wymiary w [mm])	Ciężar jednostkowy [kg/m]	Ciężar jednej sztuki [kg/m]	Ilość [szt.]	Ciężar całkowity [kg/m]
<b>Rama Rm-1 - wyk. x 1</b>					
1	Stupek Sk-1: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	12	<b>20,40</b>
3	Rygiel R-1: Rk.100x100x5, L=388	14,41	5,60	4	<b>22,40</b>
4	Rygiel R-2: Rk.100x100x5, L=363	14,41	5,23	4	<b>20,92</b>
5	Rygiel R-3: Rk.100x100x5, L=4100	14,41	59,10	2	<b>118,20</b>
22	Bl12x150x260	94,2	3,67	10	<b>36,74</b>
23	Bl3x100100	94,2	0,24	2	<b>0,47</b>
24	Bl12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do M12	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	20	-
<b>Rama Rm-1' - wyk. x 3</b>					
1	Stupek Sk-1: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	12	<b>20,40</b>
3	Rygiel R-1: Rk.100x100x5, L=388	14,41	5,60	8	<b>44,80</b>
5	Rygiel R-3: Rk.100x100x5, L=4100	14,41	59,10	2	<b>118,20</b>
22	Bl12x150x260	94,2	3,67	10	<b>36,74</b>
23	Bl3x100100	94,2	0,24	2	<b>0,47</b>
24	Bl12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do M12	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	20	-
<b>Rama Rm-1'' - wyk. x 1</b>					
1	Stupek Sk-1: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	12	<b>20,40</b>
3	Rygiel R-1: Rk.100x100x5, L=388	14,41	5,60	4	<b>22,40</b>
4	Rygiel R-2: Rk.100x100x5, L=363	14,41	5,23	4	<b>20,92</b>
5	Rygiel R-3: Rk.100x100x5, L=4100	14,41	59,10	2	<b>118,20</b>
22	Bl12x150x260	94,2	3,67	10	<b>36,74</b>
23	Bl3x100100	94,2	0,24	2	<b>0,47</b>
24	Bl12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do M12	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	20	-
<b>Rama Rm-2 - wyk. x 1</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	28	<b>47,60</b>
3	Rygiel R-1: Rk.100x100x5, L=388	14,41	5,60	6	<b>33,60</b>
5	Rygiel R-3: Rk.100x100x5, L=4100	14,41	59,10	1	<b>59,10</b>
6	Stupek Sk-2: Rk.100x0100x5, L=4865	14,41	70,10	2	<b>140,20</b>
7	Stupek Sk-3: Rk.100x0100x5, L=3588	14,41	51,70	2	<b>103,40</b>
8	Rygiel R-4: Rk.100x100x5, L=4100	14,41	59,10	8	<b>472,80</b>

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9	Rygiel R-5: Rk.100x100x5, L=1900	14,41	27,38	2	<b>54,76</b>
22	Bl12x150x260	94,2	3,67	12	<b>44,09</b>
23	Bl3x100100	94,2	0,24	2	<b>0,47</b>
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	24	-
<b>Rama Rm-3 - wyk. x 1</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	14	<b>23,80</b>
10	Słupek Sk-4: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
11	Rygiel R-6: Rk.100x100x5, L=438	14,41	6,31	3	<b>18,93</b>
12	Rygiel R-7: Rk.100x100x5, L=413	14,41	5,95	3	<b>17,85</b>
13	Rygiel R-8: Rk.100x100x5, L=4000	14,41	57,64	4	<b>230,56</b>
22	Bl12x150x260	94,2	3,67	8	<b>29,39</b>
23	Bl3x100100	94,2	0,24	2	<b>0,47</b>
24	Bl12x100x160	94,2	1,51	2	<b>3,01</b>
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	16	-
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do M12	-	-	4	-
<b>Rama Rm-3' - wyk. x 1</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	14	<b>23,80</b>
10	Słupek Sk-4: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
11	Rygiel R-6: Rk.100x100x5, L=438	14,41	6,31	6	<b>37,86</b>
13	Rygiel R-8: Rk.100x100x5, L=4000	14,41	57,64	4	<b>230,56</b>
22	Bl12x150x260	94,2	3,67	8	<b>29,39</b>
23	Bl3x100100	94,2	0,24	2	<b>0,47</b>
24	Bl12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do M12	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	16	-
<b>Rama Rm-3" - wyk. x 1</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	14	<b>23,80</b>
11	Rygiel R-6: Rk.100x100x5, L=438	14,41	6,31	6	<b>37,86</b>
13	Rygiel R-8: Rk.100x100x5, L=4000	14,41	57,64	4	<b>230,56</b>
14	Słupek Sk-5: Rk.100x0100x5, L=4865	14,41	70,10	2	<b>140,20</b>
22	Bl12x150x260	94,2	3,67	10	<b>36,74</b>
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	20	-
<b>Rama Rm-4 - wyk. x 1</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	14	<b>23,80</b>
15	Słupek Sk-6: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
16	Rygiel R-9: Rk.100x100x5, L=1438	14,41	20,72	3	<b>62,16</b>
17	Rygiel R-10: Rk.100x100x5, L=1413	14,41	20,36	3	<b>61,08</b>
18	Rygiel R-11: Rk.100x100x5, L=2000	14,41	28,82	4	<b>115,28</b>
22	Bl12x150x260	94,2	3,67	8	<b>29,39</b>
23	Bl3x100100	94,2	0,24	2	<b>0,47</b>

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Lp.	Element (wymiary w [mm])	Ciężar jednostkowy [kg/m]	Ciężar jednej sztuki [kg/m]	Ilość [szt.]	Ciężar całkowity [kg/m]
24	BI12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do pręta ø16	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	16	-
<b>Rama Rm-4' - wyk. x 2</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	14	<b>23,80</b>
15	Słupek Sk-6: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
16	Rygiel R-9: Rk.100x100x5, L=1438	14,41	20,72	6	<b>124,32</b>
18	Rygiel R-11: Rk.100x100x5, L=2000	14,41	28,82	4	<b>115,28</b>
22	BI12x150x260	94,2	3,67	8	<b>29,39</b>
23	BI3x100100	94,2	0,24	2	<b>0,47</b>
24	BI12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do pręta ø16	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	16	-
<b>Rama Rm-5 - wyk. x 1</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	7	<b>11,90</b>
13	Rygiel R-8: Rk.100x100x5, L=4000	14,41	57,64	4	<b>230,56</b>
19	Słupek Sk-7: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
20	Rygiel R-12: Rk.100x100x5, L=1863	14,41	26,85	3	<b>80,55</b>
21	Rygiel R-13: Rk.100x100x5, L=488	14,41	7,03	3	<b>21,10</b>
22	BI12x150x260	94,2	3,67	8	<b>29,39</b>
23	BI3x100100	94,2	0,24	2	<b>0,47</b>
24	BI12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do pręta ø16	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	16	-
<b>Rama Rm-5' - wyk. x 1</b>					
2	Wspornik Ws-1: Rk.80x80x5, L=150	11,27	1,70	7	<b>11,90</b>
13	Rygiel R-8: Rk.100x100x5, L=4000	14,41	57,64	4	<b>230,56</b>
19	Słupek Sk-7: Rk.100x0100x5, L=4849	14,41	69,87	2	<b>139,74</b>
20	Rygiel R-12: Rk.100x100x5, L=1863	14,41	26,85	3	<b>80,55</b>
21	Rygiel R-13: Rk.100x100x5, L=488	14,41	7,03	3	<b>21,10</b>
22	BI12x150x260	94,2	3,67	8	<b>29,39</b>
23	BI3x100100	94,2	0,24	2	<b>0,47</b>
24	BI12x100x160	94,2	1,51	2	<b>3,01</b>
	Śruby M12, L=55mm	-	-	4	-
	Nakrętki do pręta ø16	-	-	4	-
27	Kotwy HILTI HVU+HAS M16x125/38	-	-	16	-
<b>RAZEM [kg]:</b>					<b>5345</b>