

### F-104 accident assessment list (accidents, ground losses, damaged beyond repair)

Wing/unit	timeframe used	years ops	flight hours	human factor	nozzle/ engine/	aircraft/ system	Birdstr./ enviro	maint./ ground	FOD/ others	total losses	fatal	accident rate
<b>JaboG 31 "B"</b> Norvenich	Feb 1962 May 1983	<b>21</b>	211.412	16	16	4	5	-	1	<b>42</b>	<b>14</b>	<b>18,9</b>
<b>JaboG 32</b> Lechfeld	Jan 1965 Apr 1984	<b>19</b>	204.986	10	2	2	2	-	-	<b>16</b>	<b>6</b>	<b>7,8</b>
<b>JaboG 33</b> Buchel	Aug 1962 May 1985	<b>22</b>	231.900	3	10	4	5	-	1	<b>22</b>	<b>3</b>	<b>9,5</b>
<b>JaboG 34</b> Memmingen	Jul 1964 Oct 1987	<b>24</b>	242.785	17	7	4	1	-	4	<b>33</b>	<b>11</b>	<b>12,4</b>
<b>JaboG 36</b> Hopsten	Feb 1965 Jan 1975	<b>10</b>	82.722	2	4	4	-	1	-	<b>11</b>	<b>6</b>	<b>12,1</b>
<b>JG 71 "R"</b> Wittmund	Apr 1963 Sep 1974	<b>12</b>	83.182	12	3	1	-	-	-	<b>17</b>	<b>8</b>	<b>19,2</b>
<b>JG 74</b> Neuburg	May 1964 - Jul 1974	<b>11</b>	81.840	2	4	-	1	1	1	<b>9</b>	<b>3</b>	<b>9,8</b>
<b>AG 51 "I"</b> Ingo/Bremgarten	Nov 1963 Apr 1971	<b>8</b>	61.390	7	3	2	1	2	-	<b>15</b>	<b>6</b>	<b>22,8</b>
<b>AG 52</b> Leck	Nov 1964 Sep 1971	<b>7</b>	56.571	-	1	-	2	-	-	<b>3</b>	<b>1</b>	<b>5,3</b>
<b>MFG 1</b> Jagel	Sep 1963 Oct 1981	<b>17</b>	131.915	9	6	-	1	-	2	<b>18</b>	<b>9</b>	<b>14,4</b>
<b>MFG 2</b> Eggebek	Mar 1965 Sep 1986	<b>22</b>	173.070	15	3	3	10	1	-	<b>32</b>	<b>14</b>	<b>17,3</b>
<b>WaSLw 10</b> Nor/Jever	May 1960 Sep 1983	<b>23</b>	123.728	13	5	5	-	-	-	<b>23</b>	<b>12</b>	<b>17,8</b>
<b>2. DtLwAusb Staff,</b> Luke AFB	Feb 1964 Mar 1983	<b>20</b>	269.750	19	8	13	-	-	3	<b>43</b> [1xMAP]	<b>21</b>	<b>15,6</b>
<b>ErpSt/WTD 61</b> Manching	Feb 1962 May 1991	<b>23</b>	10.500	-	-	1	-	-	-	<b>1</b>	-	0,1
<b>LVR 1</b> Erding	May 1984 Sep 1988	<b>5</b>	9.895	-	-	-	-	-	1	<b>1</b>	-	0,1
<b>MBB/Det Deci</b>	1962 - 1991	-	-	3	4	2	-	1	2	<b>12</b>	<b>2</b>	-
<b>Total</b>			<b><u>1.975.646</u></b>	<b>128</b>	<b>76</b>	<b>45</b>	<b>28</b>	<b>6</b>	<b>15</b>	<b><u>298</u></b>	<b><u>116</u></b>	<b>14,3</b>

**Annual total losses (accidents, ground losses, damaged beyond repair)**

year	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
<b>Losses</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>10</b>	<b>27 [1]</b>	<b>22</b>	<b>14</b>	<b>19</b>	<b>16</b>	<b>18</b>	<b>19</b>	<b>12</b>	<b>15</b>	<b>10</b>	<b>11</b>
<b>pilots</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>3</b>	<b>17</b>	<b>13</b>	<b>3</b>	<b>10</b>	<b>9</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>2</b>	<b>7</b>
year	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	total
<b>Losses</b>	<b>12</b>	<b>10</b>	<b>13</b>	<b>10</b>	<b>11</b>	<b>9</b>	<b>13</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b><u>298</u></b>
<b>pilots</b>	<b>2</b>	<b>4 [2]</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b><u>116</u></b>

**Total 298 including 6 ground accidents**

[1] including 1 MAP F-104G, by German Navy pilot flown

[2] 3 pilots and 1 passenger

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