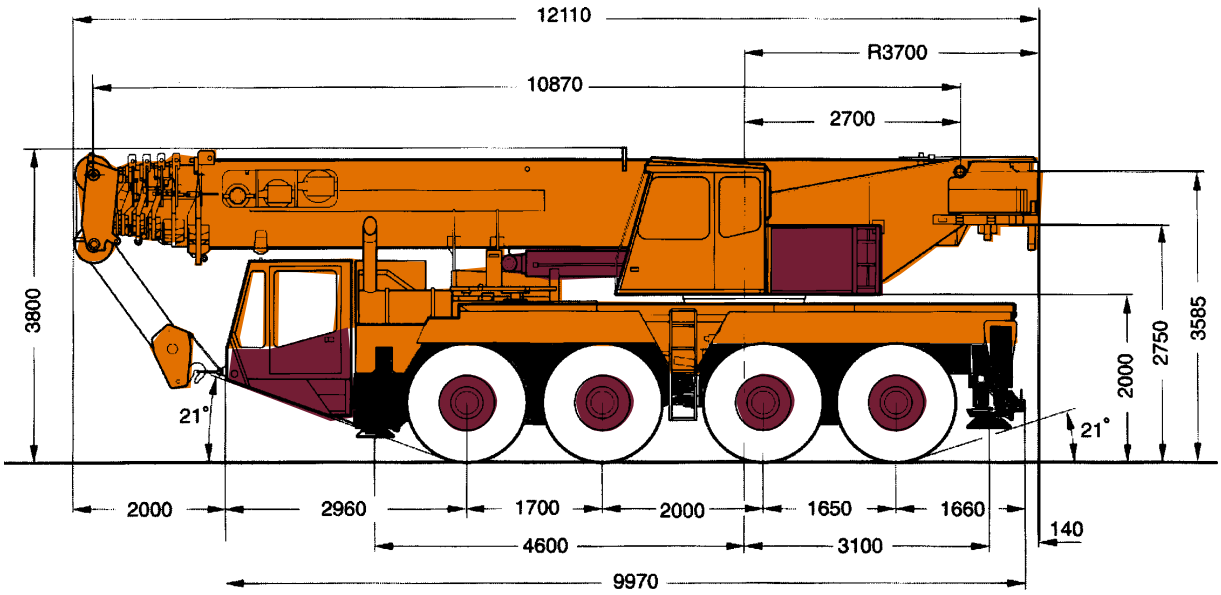
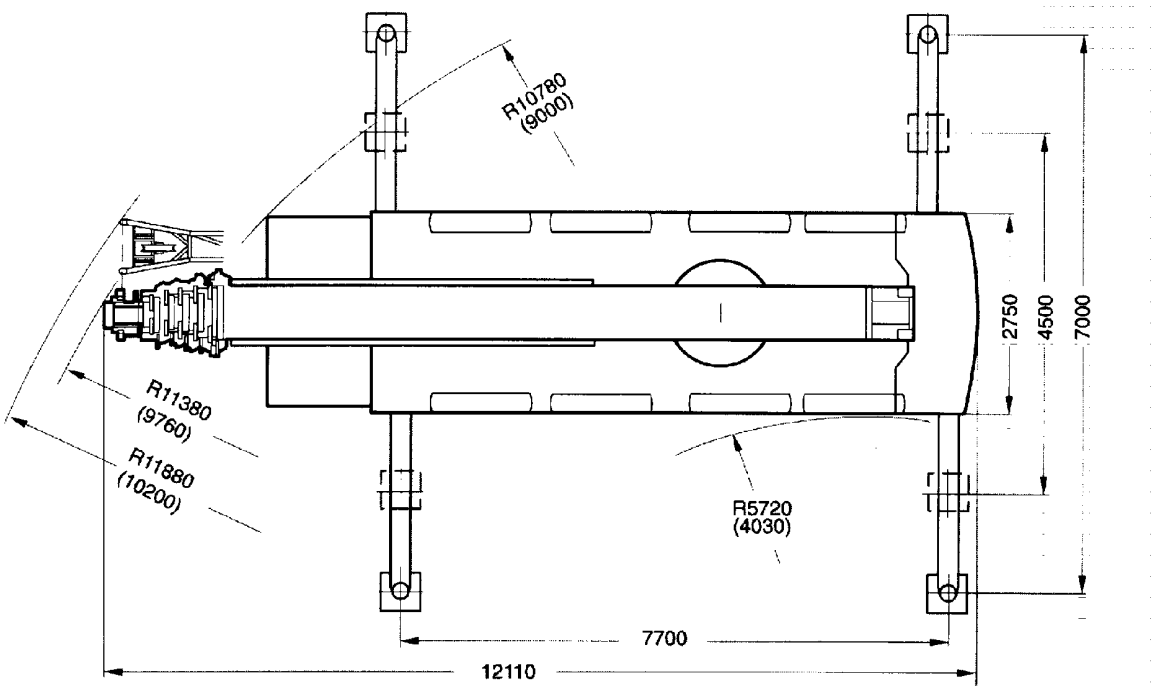
DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

GENERAL DIMENSIONS

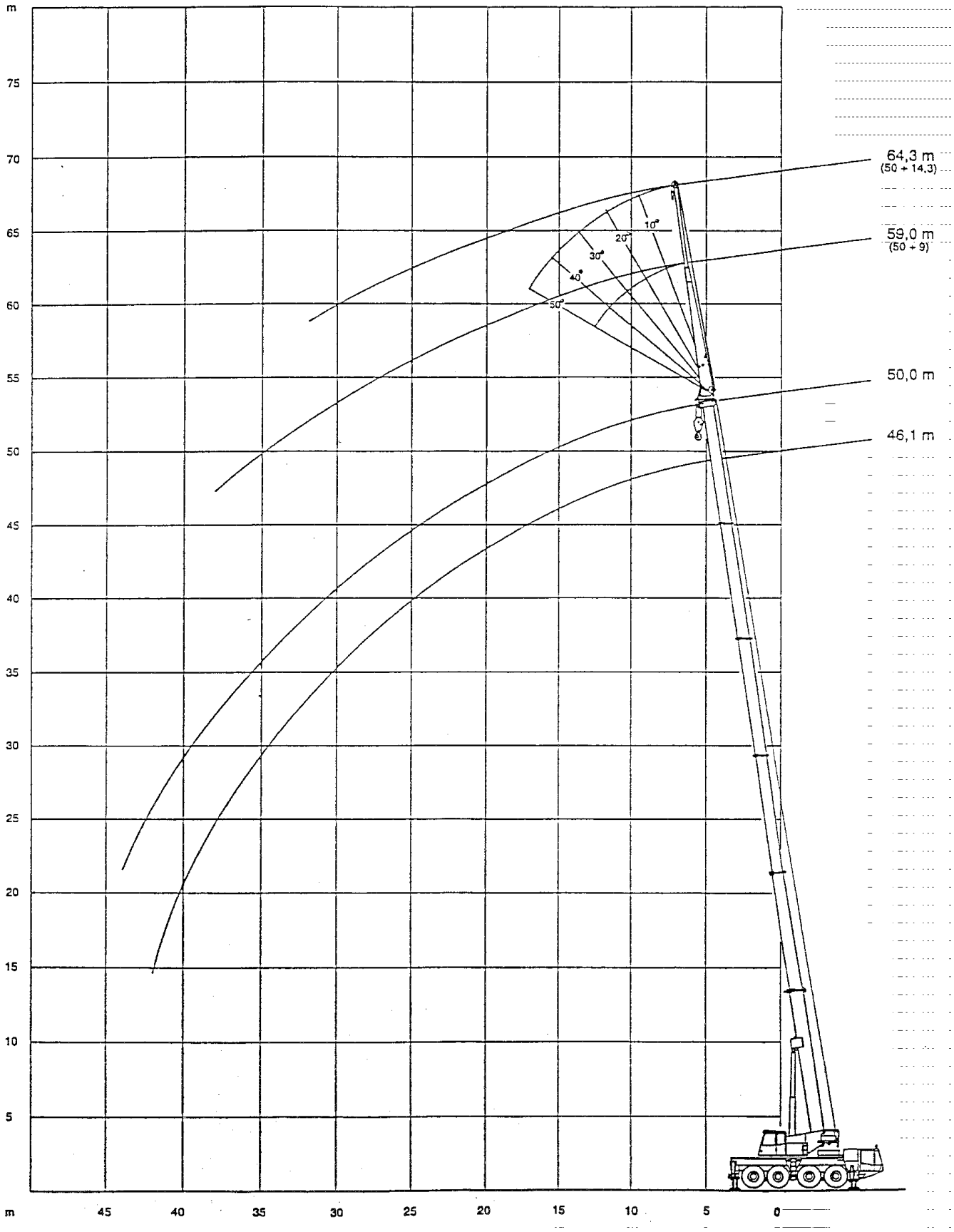




DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

Main Boom Extension Working Range Diagram



DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

AC 205 Capacities on Main Boom 75%/DIN 15019.2

Capacity (t) = Load + Hook Block

360°
Counterweight 18t
Outrigger base 7.7 x 7 m

Radius (m)	Main Boom (m)								
	10.9	16.1	21.4	25.0	31.2	37.1	42.3	46.1	50.0
3.0	80.0*	-	-	-	-	-	-	-	-
3.0	70.0	-	-	-	-	-	-	-	-
3.5	64.7	50.0	-	-	-	-	-	-	-
4.0	59.6	50.0	40.0	-	-	-	-	-	-
4.5	55.2	50.0	38.0	30.0	-	-	-	-	-
5.0	51.3	47.6	35.5	30.0	17.0	-	-	-	-
6.0	42.2	41.8	31.7	28.9	17.0	15.0	-	-	-
7.0	35.2	34.9	28.6	26.1	17.0	14.7	11.0	-	-
8.0	28.4	29.8	26.0	23.5	17.0	14.1	11.0	8.0	-
9.0	-	25.8	23.6	21.2	17.0	13.5	11.0	8.0	6.0
10.0	-	22.1	21.2	19.1	16.1	12.9	11.0	8.0	6.0
12.0	-	16.2	15.3	15.3	13.9	11.5	10.8	7.8	6.0
14.0	-	-	11.6	11.6	12.1	10.2	9.8	7.5	5.9
16.0	-	-	9.1	9.0	10.5	9.1	8.6	7.1	5.7
18.0	-	-	7.2	7.1	8.5	8.1	7.6	6.7	5.4
20.0	-	-	-	5.6	7.1	7.4	6.8	6.1	5.0
22.0	-	-	-	-	5.9	6.3	6.2	5.6	4.6
24.0	-	-	-	-	4.9	5.3	5.2	5.1	4.2
26.0	-	-	-	-	4.1	4.5	4.3	4.5	3.8
28.0	-	-	-	-	-	3.8	3.6	3.8	3.5
30.0	-	-	-	-	-	3.2	3.0	3.2	3.2
32.0	-	-	-	-	-	2.6	2.5	2.7	2.7
34.0	-	-	-	-	-	-	2.1	2.3	2.3
36.0	-	-	-	-	-	-	1.7	1.9	1.9
38.0	-	-	-	-	-	-	1.3	1.5	1.5
40.0	-	-	-	-	-	-	-	1.2	1.2
42.0	-	-	-	-	-	-	-	0.9	0.9
44.0	-	-	-	-	-	-	-	-	0.6
No. of Hoist Lines	16	10	8	6	4	3	2	2	2
Sequence of extended boom (%):									
Tel I	0	0	67	80	67	67	90	90	100
Tel II	0	67	67	100	67	67	90	90	100
Tel III-V	0	0	0	0	42	67	74	90	100
Dialling code for telescopic control	1	2	3	4	5	6	7	8	9

* over rear

- When runner is attached load capacities must be reduced by 130 kg.

DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

75%/DIN 15019.2

AC 205 Capacities on Hydraulic Extension Boom

360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t
Outrigger base 7.70 x 7.00 m

Extension Boom 9.0 m

Main Boom 42.3 m

(Sequence of extended boom 90-90-74-74-74 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
10.0	4.2	-	-	-	-	-
12.0	4.0	3.8	-	-	-	-
14.0	3.8	3.6	3.4	2.9	-	-
16.0	3.6	3.5	3.2	2.8	2.5	2.2
18.0	3.5	3.3	3.0	2.7	2.5	2.2
20.0	3.3	3.1	2.8	2.5	2.4	2.1
22.0	3.0	2.9	2.6	2.4	2.2	2.0
24.0	2.8	2.7	2.5	2.3	2.1	1.9
26.0	2.6	2.5	2.3	2.1	2.0	1.8
28.0	2.4	2.2	2.1	2.0	1.8	1.7
30.0	2.2	2.0	1.9	1.8	1.7	1.6
32.0	1.9	1.8	1.7	1.6	1.6	-
34.0	1.7	1.6	1.6	1.5	1.4	-
36.0	1.4	1.4	1.4	1.4	1.3	-
38.0	1.2	1.2	1.2	1.2	-	-
40.0	-	1.0	1.0	1.0	-	-

No. of Hoist Lines: 2

Dialling code for telescopic control: 7

DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

75%/DIN 15019.2

AC 205 Capacities on Hydraulic Extension Boom 360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t
Outrigger base 7.70 x 7.00 m

Extension Boom 9.0 m

Main Boom 46.1 m

(Sequence of extended boom 90-90-90-90-90 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
12.0	3.3	-	-	-	-	-
14.0	3.2	3.0	3.0	-	-	-
16.0	3.1	2.9	2.8	2.7	2.5	-
18.0	3.0	2.8	2.7	2.5	2.4	2.2
20.0	2.8	2.7	2.5	2.4	2.3	2.1
22.0	2.7	2.5	2.4	2.3	2.2	2.0
24.0	2.5	2.4	2.2	2.1	2.0	1.9
26.0	2.3	2.2	2.1	2.0	1.9	1.8
28.0	2.1	2.0	2.0	1.9	1.8	1.7
30.0	2.0	1.9	1.8	1.7	1.6	1.6
32.0	1.8	1.7	1.6	1.6	1.5	1.5
34.0	1.6	1.5	1.5	1.4	1.4	-
36.0	1.4	1.4	1.3	1.3	1.2	-
38.0	1.0	1.2	1.2	1.1	1.1	-
40.0	0.7	0.8	0.9	1.0	0.9	-
42.0	-	0.6	0.6	0.7	-	-

No. of Hoist Lines 2

Dialling code for telescopic control 8

DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

75%/DIN 15019.2

AC 205 Capacities on Hydraulic Extension Boom

360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t
Outrigger base 7.70 x 7.00 m

Extension Boom 9.0 m

Main Boom 50.0 m

(Sequence of extended boom 100-100-100-100-100 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
12.0	1.9	-	-	-	-	-
14.0	1.9	1.9	-	-	-	-
16.0	1.9	1.9	1.9	-	-	-
18.0	1.9	1.9	1.9	1.9	1.9	1.9
20.0	1.9	1.9	1.9	1.9	1.9	1.9
22.0	1.9	1.9	1.9	1.9	1.9	1.9
24.0	1.9	1.9	1.9	1.9	1.9	1.9
26.0	1.7	1.7	1.7	1.7	1.7	1.8
28.0	1.5	1.5	1.5	1.6	1.6	1.6
30.0	1.3	1.3	1.3	1.4	1.4	1.4
32.0	1.1	1.1	1.1	1.2	1.2	1.3
34.0	0.9	1.0	1.0	1.0	1.0	1.1
36.0	0.8	0.8	0.8	0.9	0.9	0.9
38.0	0.6	0.6	0.6	0.7	0.7	-
40.0	-	-	-	0.6	0.6	-

No. of Hoist Lines 2

Dialling code for telescopic control 9

DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

AC 205 Capacities on Hydraulic Extension Boom

75%/DIN 15019.2

360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t

Outrigger base 7.70 x 7.00 m

Extension Boom 14.3 m

Main Boom 42.3 m

(Sequence of extended boom 90-90-74-74-74 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
12.0	2.4	-	-	-	-	-
14.0	2.3	1.8	-	-	-	-
16.0	2.1	1.7	1.4	-	-	-
18.0	2.0	1.6	1.3	1.1	-	-
20.0	1.9	1.5	1.3	1.1	1.0	-
22.0	1.7	1.4	1.2	1.1	1.0	0.9
24.0	1.6	1.3	1.2	1.0	0.9	0.9
26.0	1.5	1.3	1.1	1.0	0.9	0.9
28.0	1.4	1.2	1.1	1.0	0.9	0.9
30.0	1.3	1.2	1.0	0.9	0.9	0.9
32.0	1.3	1.1	1.0	0.9	0.9	0.9
34.0	1.2	1.1	1.0	0.9	0.9	0.9
36.0	1.2	1.0	1.0	0.9	0.9	-
38.0	1.1	1.0	0.9	0.9	0.9	-
40.0	1.1	0.9	0.9	0.9	0.9	-
42.0	1.0	0.9	0.9	0.9	-	-
44.0	0.8	0.8	0.8	0.8	-	-
46.0	-	-	0.6	0.6	-	-

No. of Hoist Lines 2

Dialling code for telescopic control 7

DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

75%/DIN 15019.2

AC 205 Capacities on Hydraulic Extension Boom

360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t

Outrigger base 7.70 x 7.00 m

Extension Boom 14.3 m

Main Boom 46.1 m

(Sequence of extended boom 90-90-90-90-90 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
14.0	1.9	-	-	-	-	-
16.0	1.8	1.6	-	-	-	-
18.0	1.8	1.6	1.4	-	-	-
20.0	1.7	1.5	1.3	1.1	-	-
22.0	1.6	1.4	1.3	1.1	1.0	0.9
24.0	1.5	1.4	1.2	1.1	0.9	0.9
26.0	1.5	1.3	1.2	1.0	0.9	0.9
28.0	1.4	1.3	1.1	1.0	0.9	0.9
30.0	1.4	1.2	1.1	1.0	0.9	0.9
32.0	1.3	1.2	1.1	1.0	0.9	0.9
34.0	1.2	1.1	1.0	0.9	0.9	0.9
36.0	1.2	1.1	1.0	0.9	0.9	0.9
38.0	1.1	1.0	1.0	0.9	0.9	0.9
40.0	1.0	1.0	0.9	0.9	0.9	-
42.0	0.8	0.9	0.9	0.8	0.8	-
44.0	0.6	0.7	0.8	0.8	0.8	-
46.0	-	-	0.6	0.7	-	-

No. of Hoist Lines 2

Dialling code for telescopic control 8

DEMAG AC 205

80 Tonne Hydraulic All Terrain Crane

75%/DIN 15019.2

AC 205 Capacities on Hydraulic Extension Boom

360°

Capacity (t) = Load + Hook Block

Counterweight 18.0 t

Outrigger base 7.70 x 7.00 m

Extension Boom 14.3 m

Main Boom 50.0 m

(Sequence of extended boom 100-100-100-100-100 %)

Radius (m)	Pos.0°	Pos.10°	Pos.20°	Pos.30°	Pos.40°	Pos.50°
14.0	0.9	-	-	-	-	-
16.0	0.9	-	-	-	-	-
18.0	0.9	0.9	0.9	-	-	-
20.0	0.9	0.9	0.9	0.9	-	-
22.0	0.9	0.9	0.9	0.9	0.9	-
24.0	0.9	0.9	0.9	0.9	0.9	0.9
26.0	0.9	0.9	0.9	0.9	0.9	0.9
28.0	0.9	0.9	0.9	0.9	0.9	0.9
30.0	0.9	0.9	0.9	0.9	0.9	0.9
32.0	0.9	0.9	0.9	0.9	0.9	0.9
34.0	0.9	0.9	0.9	0.9	0.9	0.9
36.0	0.8	0.8	0.9	0.9	0.9	0.9
38.0	0.7	0.7	0.8	0.8	0.8	0.8
40.0	-	0.6	0.7	0.7	0.7	0.8
42.0	-	-	0.6	0.6	-	-

No. of Hoist Lines

2

Dialling code for telescopic control

9

Operating mode switch on PAT-console

1041