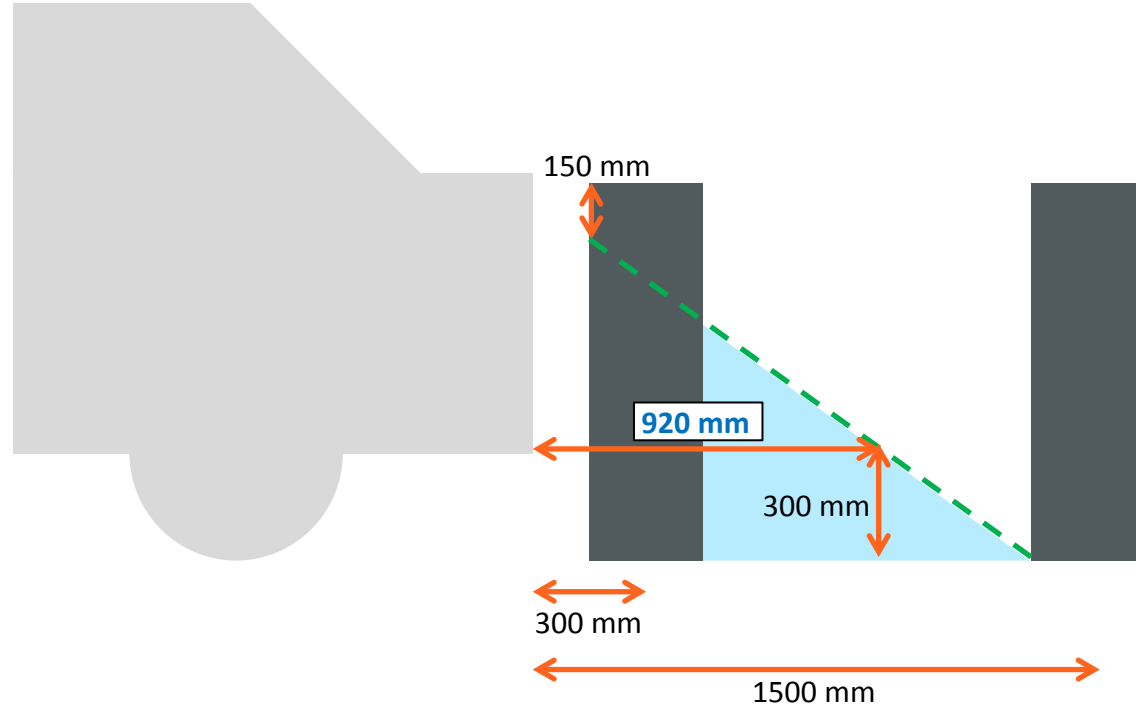
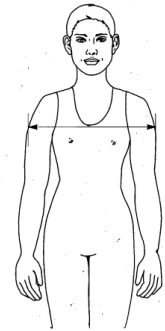


# CHALLENGE: Vision-Based System Blind Spots

Worst-case scenario lower blind spot



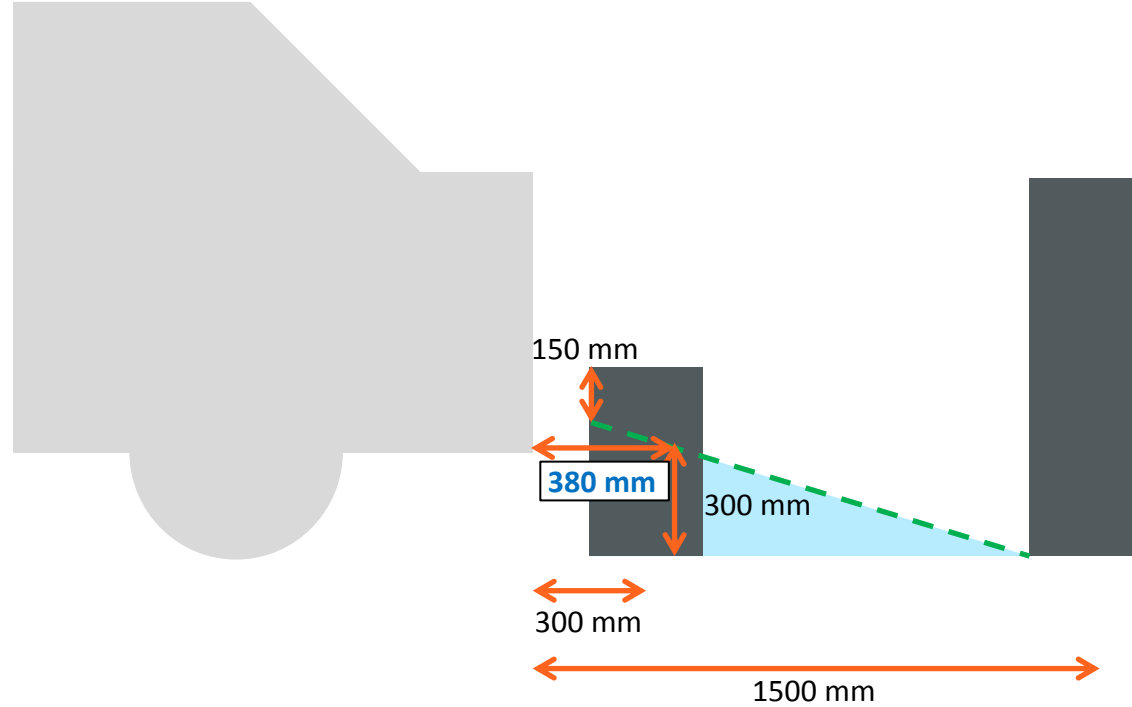
Country	Sex	Mean	sd	5th%ile	95th%ile	Source
UK	m	496.7	28.7	449.5	543.9	PeopleSize 1998
	f	458.1	34.0	402.3	514.0	PeopleSize 1998
Brazil	m	445	27	400	490	Pheasant 1996
China	m	438.1	25.6	396.0	480.2	PeopleSize 1998
	f	390.4	23.8	351.2	429.6	PeopleSize 1998
France	m	469		430	514	Rebiffe et al. 1981-82
	f	421		386	473	Rebiffe et al. 1981-82
Italy	m	456		420	496	Masali et al. 1992
	f	401		366	447	Masali et al. 1992
Japan	m	448.4	21.7	412.7	484.2	PeopleSize 1998
	f	409.0	19.6	376.8	441.2	PeopleSize 1998
Poland	m	440	21	405	475	Pheasant 1996
	f	380	18	350	410	Pheasant 1996
Sri Lanka	m	370	23	330	400	Pheasant 1996
	f	330	18	300	360	Pheasant 1996
Sweden	m	465	27	420	510	Pheasant 1996
	f	390	20	355	425	Pheasant 1996
Netherlands	m	475	28	430	520	Pheasant 1996
	f	400	27	355	445	Pheasant 1996
USA	m	509.2	36.3	449.4	568.9	PeopleSize 1998
	f	474.1	56.8	380.8	567.5	PeopleSize 1998



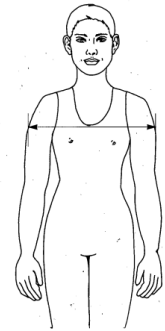
# SOLUTION: Vision-Based System Blind Spots

VRU-Proxi-08-14

0.5 m pole height for Row 1????

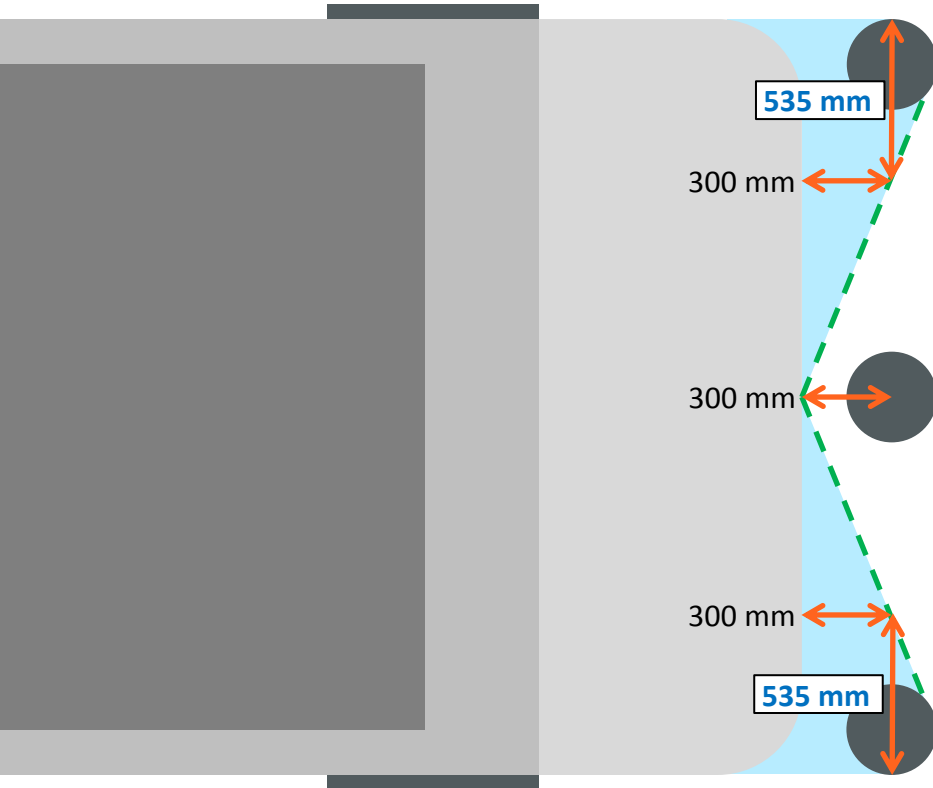


Country	Sex	Mean	sd	5th%ile	95th%ile	Source
UK	m	496.7	28.7	449.5	543.9	PeopleSize 1998
	f	458.1	34.0	402.3	514.0	PeopleSize 1998
Brazil	m	445	27	400	490	Pheasant 1996
China	m	438.1	25.6	396.0	480.2	PeopleSize 1998
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France	m	469		430	514	Rebiffe et al. 1981-82
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Japan	m	448.4	21.7	412.7	484.2	PeopleSize 1998
	f	409.0	19.6	376.8	441.2	PeopleSize 1998
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	f	380	18	350	410	Pheasant 1996
Sri Lanka	m	370	23	330	400	Pheasant 1996
	f	330	18	300	360	Pheasant 1996
Sweden	m	465	27	420	510	Pheasant 1996
	f	390	20	355	425	Pheasant 1996
Netherlands	m	475	28	430	520	Pheasant 1996
	f	400	27	355	445	Pheasant 1996
USA	m	509.2	36.3	449.4	568.9	PeopleSize 1998
	f	474.1	56.8	380.8	567.5	PeopleSize 1998

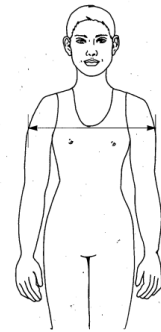


# CHALLENGE: Vision-Based System Blind Spots

## Worst-case scenario lateral blind spot

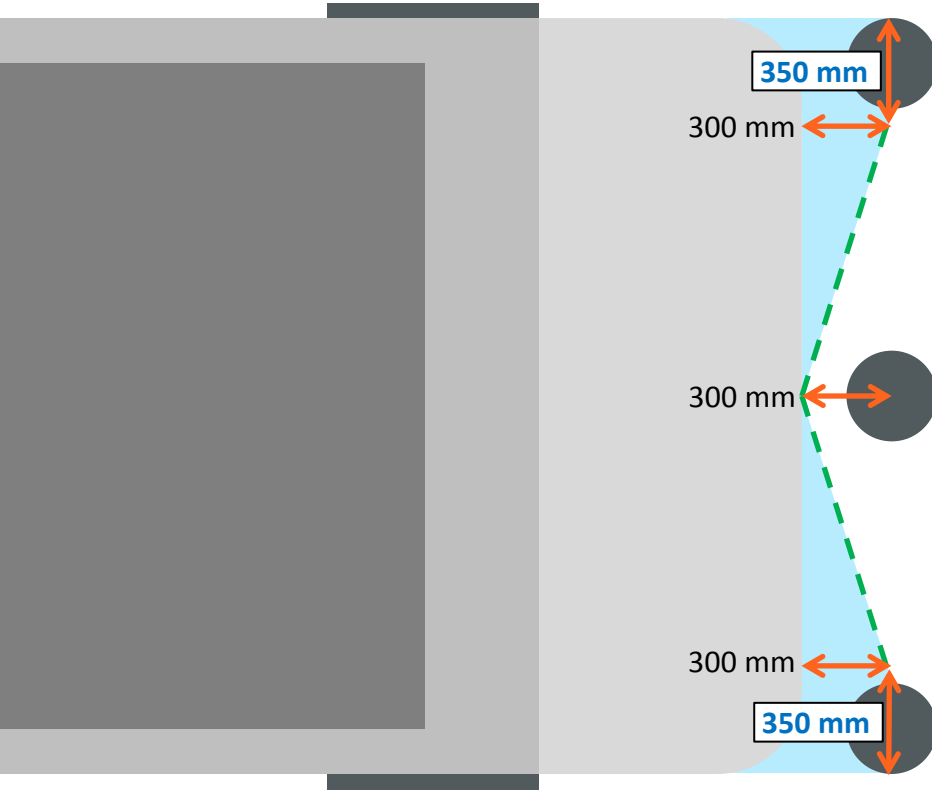


Country	Sex	Mean	sd	5th%ile	95th%ile	Source
UK	m	496.7	28.7	449.5	543.9	PeopleSize 1998
	f	458.1	34.0	402.3	514.0	PeopleSize 1998
Brazil	m	445	27	400	490	Pheasant 1996
China	m	438.1	25.6	396.0	480.2	PeopleSize 1998
	f	390.4	23.8	351.2	429.6	PeopleSize 1998
France	m	469		430	514	Rebiffe et al. 1981-82
	f	421		386	473	Rebiffe et al. 1981-82
Italy	m	456		420	496	Masali et al. 1992
	f	401		366	447	Masali et al. 1992
Japan	m	448.4	21.7	412.7	484.2	PeopleSize 1998
	f	409.0	19.6	376.8	441.2	PeopleSize 1998
Poland	m	440	21	405	475	Pheasant 1996
	f	380	18	350	410	Pheasant 1996
Sri Lanka	m	370	23	330	400	Pheasant 1996
	f	330	18	300	360	Pheasant 1996
Sweden	m	465	27	420	510	Pheasant 1996
	f	390	20	355	425	Pheasant 1996
Netherlands	m	475	28	430	520	Pheasant 1996
	f	400	27	355	445	Pheasant 1996
USA	m	509.2	36.3	449.4	568.9	PeopleSize 1998
	f	474.1	56.8	380.8	567.5	PeopleSize 1998



# SOLUTION: Vision-Based System Blind Spots

## Visibility of 150 mm section on pole



Country	Sex	Mean	sd	5th%ile	95th%ile	Source
UK	m	496.7	28.7	449.5	543.9	PeopleSize 1998
	f	458.1	34.0	402.3	514.0	PeopleSize 1998
Brazil	m	445	27	400	490	Pheasant 1996
China	m	438.1	25.6	396.0	480.2	PeopleSize 1998
	f	390.4	23.8	351.2	429.6	PeopleSize 1998
France	m	469		430	514	Rebiffe et al. 1981-82
	f	421		386	473	Rebiffe et al. 1981-82
Italy	m	456		420	496	Masali et al. 1992
	f	401		366	447	Masali et al. 1992
Japan	m	448.4	21.7	412.7	484.2	PeopleSize 1998
	f	409.0	19.6	376.8	441.2	PeopleSize 1998
Poland	m	440	21	405	475	Pheasant 1996
	f	380	18	350	410	Pheasant 1996
Sri Lanka	m	370	23	330	400	Pheasant 1996
	f	330	18	300	360	Pheasant 1996
Sweden	m	465	27	420	510	Pheasant 1996
	f	390	20	355	425	Pheasant 1996
Netherlands	m	475	28	430	520	Pheasant 1996
	f	400	27	355	445	Pheasant 1996
USA	m	509.2	36.3	449.4	568.9	PeopleSize 1998
	f	474.1	56.8	380.8	567.5	PeopleSize 1998

