C and C++ (no Fortran) Named Predefined Datatypes		Fortran types
MPI-2.1 Review 33.d'		
MPI_Fint	MPI::Fint	INTEGER
MPI-2.1 Review 33.d'		

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Named Predefined Datatypes		Fortran types
[ticket107.]C type: MPI_Datatype	C++ type: MPI::Datatype	
[ticket107.]Fortran type: INTEGER		
MPI_INTEGER	MPI::INTEGER	INTEGER
MPI_REAL	MPI::REAL	REAL
MPI_DOUBLE_PRECISION	MPI::DOUBLE_PRECISION	DOUBLE PRECISION
MPI_COMPLEX	MPI::F_COMPLEX	COMPLEX
MPI_LOGICAL	MPI::LOGICAL	LOGICAL
MPI_CHARACTER	MPI::CHARACTER	CHARACTER(1)
[ticket18.]MPI_AINT	[ticket18.](use C datatype handle)	[ticket18.]INTEGER (KIND=MPI_ADDRE
[ticket18.]MPI_OFFSET	[ticket18.](use C datatype handle)	[ticket18.]INTEGER (KIND=MPI_OFFSE
MPI_BYTE	MPI::BYTE	(any Fortran type)
MPI_PACKED	MPI::PACKED	(any Fortran type)

C++-Only Named Predefined Datatypes	C++ types
C++ type: MPI::Datatype	
MPI::BOOL	bool
MPI::COMPLEX	Complex<float>
MPI::DOUBLE_COMPLEX	Complex<double>
MPI::LONG_DOUBLE_COMPLEX	Complex<long double>

Optional datatypes (Fortran)		Fortran types
[ticket107.]C type: MPI_Datatype	C++ type: MPI::Datatype	
[ticket107.]Fortran type: INTEGER		
MPI_DOUBLE_COMPLEX	[ticket40.]MPI::F_DOUBLE_COMPLEX	DOUBLE COMPLEX
MPI_INTEGER1	MPI::INTEGER1	INTEGER*1
MPI_INTEGER2	MPI::INTEGER2	INTEGER*8
MPI_INTEGER4	MPI::INTEGER4	INTEGER*4
MPI_INTEGER8	MPI::INTEGER8	INTEGER*8
[ticket57.]MPI_INTEGER16		[ticket57.]INTEGER*16
MPI_REAL2	MPI::REAL2	REAL*2
MPI_REAL4	MPI::REAL4	REAL*4
MPI_REAL8	MPI::REAL8	REAL*8
[ticket57.]MPI_REAL16		[ticket57.]REAL*16
[ticket57.]MPI_COMPLEX4		[ticket57.]COMPLEX*4
[ticket57.]MPI_COMPLEX8		[ticket57.]COMPLEX*8
[ticket57.]MPI_COMPLEX16		[ticket57.]COMPLEX*16
[ticket57.]MPI_COMPLEX32		[ticket57.]COMPLEX*32