



BUMPER MEMBER SIZE	
④	T100x100x11 - 2' THRU 8' LINE SIZE
	IPE 300 - 10' THRU 24' LINE SIZE

NOTES:

1. FOR SURFACE FINISH (PAINTING, GALVANIZING, ETC.), SEE TECHNICAL JOB INSTRUCTIONS.
2. IF COLD SPRING IS TO BE PULLED, WELD BUMPER TO SHOE BEFORE COLD SPRING IS PULLED.
3. BUMPER SHALL BE FIELD INSTALLED.
4. ST 37.1 (DIN 17100), (TYP.).
5. DIMENSION VARIES ACCORDING TO SIZE OF SUPPORT.
6. TYP. WELD DETAILS, DO NOT WELD TEE TO SUPPORT MEMBER
7. SHOE TO BE IN ACCORDANCE WITH PRACTICE SHOWN IN TABLE EXCEPT THAT THE LENGTH SHALL BE FIELD DETERMINED BASED ON THE ACTUAL SUPPORT DIMENSIONS. WELDING OF THE SHOE TO PIPE SHALL BE IN ACCORDANCE WITH THE SHOE PRACTICE.
8. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN MILLIMETERS.

BUMPER TYPE	REF. SHOE PRACTICE NUMBER
A	NOT APPLICABLE
B	NOT APPLICABLE
C	G4G-1410-07
D	G4G-1410-10
E	NOT APPLICABLE
F	NOT APPLICABLE
G	G4G-1410-19
H	G4G-1410-22
J	NOT APPLICABLE
K	NOT APPLICABLE
L	G4G-1411-07
M	G4G-1411-10
N	NOT APPLICABLE
P	NOT APPLICABLE
R	G4G-1411-19
S	G4G-1411-22

WELDED BUMPER WITH SHOE ON PIPE
ON STEEL OR CONCRETE SUPPORT
PIPE SIZES 2' THRU 24" NPS