

The following tables will indicate the difference between the DIN specifications (old classifications) that has been replaced by the EN specifications (new classifications). These tables are to serve as an indication only, for more accurate information other sources have to be researched.

1.1 Steel Tubes that are cold formed for Construction Applications:

Structural Steel Tubes					
Previous Specification			New Specification		
Tube Type	Standard	Material Grade	Tube Type	Standard	Material Grade
Welded Steel Tube	DIN 17120	St. 37.2	Welded Steel Tube	EN 10219	S235 JRH
Welded Steel Tube	DIN 17120	St. 52.3	Welded Steel Tube	EN 10219	S355 J2H
Seamless Steel Tube	DIN 17121	St. 37.2	Seamless Steel Tube	EN 10210	S235 JRH
Seamless Steel Tube	DIN 17121	St. 52.3	Seamless Steel Tube	EN 10120	S355 J2H

1.2 Steel tubes and pipes used in pressure applications:

Steel Tubes for Pressure Applications					
Previous Specification			New Specification		
Tube Type	Standard	Material Grade	Tube Type	Standard	Material Grade
Welded Steel Tube	DIN 1626	St. 37.0	Welded Steel Tube	EN 10217-1	P235 PR2
Welded Steel Tube	DIN 1626	St. 52.0	Welded Steel Tube	EN 10217-3	P355N
Welded Steel Tube	BS 3059-1	ERW 320	Welded Steel Tube	EN 10217-2	P195 GH
Seamless Steel Tube	DIN 1629	St. 37.0	Seamless Steel Tube	EN 10216-1	P235 TR2
Seamless Steel Tube	DIN 1629	St. 52.0	Seamless Steel Tube	EN 10216-3	P355N
Seamless Steel Tube	DIN 17175	St. 35.8/1	Seamless Steel Tube	EN 10216-2	P235 GH

1.3 Precision Steel tubes and pipes:

Steel Tubes for Precision Applications					
Previous Specification			New Specification		
Tube Type	Standard	Material Grade	Tube Type	Standard	Material Grade
Welded Steel Tube	DIN 2394	RSt. 34.2	Welded Steel Tube	EN 30305-3	E195+CR2
Welded Steel Tube	DIN 2395	St. 33	Welded Steel Tube	EN 30305-5	E190+CR1
Seamless Steel Tube	DIN 2395	St. 37.2	Seamless Steel Tube	EN 30305-5	E235+CR1

1.4 DIN/EN Standards and Descriptions of steel tubes and pipes:

Steel Tubes for Structural Applications		
DIN Standard	EN Standard	Description
59410	10210	Hot finished, square and rectangle, structural hollow sections
17121	10210	Seamless Circular hot finished structural hollow sections
59411	10219	Cold formed structural hollow sections, square and rectangle
17120	10219	Welded circular cold formed structural hollow sections
4427	39	Scaffolding Tubes
1615	Non Standardized	Welded steel tubes with no specific requirements
2395	10305-5	Square and rectangular tubes
17455	10296-2	Welded stainless steel tubes
17456	102972	Seamless stainless steel tubes
Precision Steel Tubes		
DIN Standard	EN Standard	Description
2391	10305-1	Seamless cold-drawn precision steel tubes
2393	10305-2	Welded cold drawn precision steel hollow sections
2394	10305-3	Welded and rolled to size precision steel hollow tube
2391/1630	10305-4	Seamless tubes for pressure lines
2395	10305-5	Welded and rolled to size square and rectangular precision steel tubes
Welded Pressure Resistant Steel Tubes		
DIN Standard	EN Standard	Description
1626	10217-1	Tubes produced from unalloyed steels with defines properties at room temperature
17457	10217-2	Stainless steel tubes

Tubecon manufactures its square and rectangular steel tubing and hollow sections under SANS 657-1:2005 standard. The table below will indicate the various standards similar to SANS 657-1:2005 as well as the material that can be used in accordance with these standards:

Specifications	Material
EN 10219: 1-2 DIN 2395 / DIN 59411 BS 6363 ASTM A-500	S235 JR S275 JR / S275 J2H S355 J0H / S355 J2H / S355 K2H

