



Sucker Rod Couplings

SUCKER ROD COUPLINGS

Duxaoil manufactures sucker rod couplings with quality materials under the requirements of API 11B.

The couplings are manufactured in a range of diameters from 3/4" to 1" and in grades SM and DES according to API 11B. Duralitte uses standard materials, according to API standards, CNC technology and the latest generation toolkit.

Each piece is controlled with certified gauges by dimensional attributes.



T class

size	class	internal finishing	external finishing	weight kg.
3/4"	T	phosphate	phosphate	0.650
7/8"	T	phosphate	phosphate	0.800
1"	T	phosphate	phosphate	0.880

Duralitte T class couplings are used for services from medium to low requirements. These couplings are made with tensile strength and fatigue resistance under API requirements.

The couplings are produced in mills CNC lathes with special emphasis on the surface finishing of the threads in order to increase the fatigue life by not cutting the fibers of the base material.



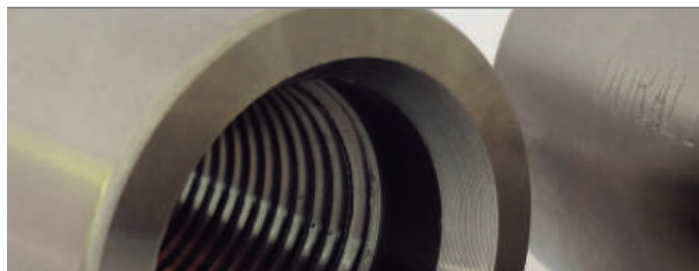
SM class

size	class	type	internal finishing	external finishing	weight kg.
3/4"	SM	FS	phosphate	spray metal	0.650
7/8"	SM	FS	phosphate	spray metal	0.800
1"	SM	SH	phosphate	spray metal	0.880

The SM coupling is specially developed for highly corrosive environments. The coupling is made with steel of class T, so that it has the same mechanical properties as regards tensile strength and fatigue.

SM class has an outer coating of nickel-chromium basis with a minimum thickness of 200 microns outer diameter thermally fused to the braked, confers to it a hardness ranging from 58 to 62 HRC, which increases wear resistance and increases corrosion resistance. The outer surface is rectified under API roughness values.

stainless steel sucker rod coupling 330/331 series



When resistance to stress corrosion cracking is higher than efficiency of carbon steel couplers, Duralitte developed Durinox couplers.

Couplers are manufactured with austenitic stainless steel with high levels of nickel and titanium based on AISI 321 in order to increase resistance to corrosion by chemical agents on parts under tension efforts.

DUR 330 models

product	size	class	type	internal finishing	external finishing	weight kg.
coupling	3/4"	T	DUR 330	phosphate	NA	0.650
coupling	7/8"	T	DUR 330	phosphate	NA	0.800
coupling	1"	T	DUR 330	phosphate	NA	0.880



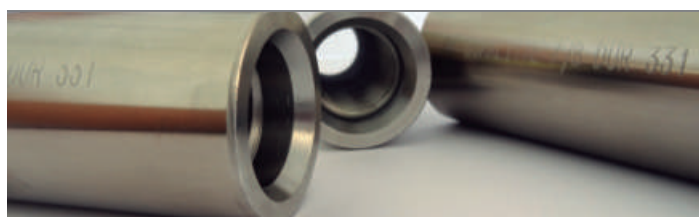
DUR 330 Model couplers are recommended for wells under extreme corrosion conditions.

BB DUR 330 couplers are manufactured in stainless steel reaching tensile strengths values higher than 414 Mpa and with a low-hardness (less than 200 Brinell hardness) which decreases the wear of the tubing.

degree	minimum yield strength		minimum rupture stress	
	psi	mpa	psi	mpa
T	60.000	414	115.000	793
DUR 330	60.000	414	114.000	790

DUR 331 models

product	size	class	type	internal finishing	external finishing	weight kg.
coupling	3/4"	SM	DUR 331	phosphate	rectified	0.650
coupling	7/8"	SM	DUR 331	phosphate	rectified	0.800
coupling	1"	SM	DUR 331	phosphate	rectified	0.880



DUR 331 Model couplers offer the same mechanical and constructive characteristics as the DUR 330 model in steel with spray metal application.

degree	minimum yield strength		minimum rupture stress	
	psi	mpa	psi	mpa
SM	60.000	414	115.000	793
DUR 331	60.000	414	114.000	790

DES class						
product	size	class	type	internal finishing	external finishing	weight kg.
coupling	3/4"	HD	FS	phosphate	phosphate	0.650
	7/8"	HD	FS	phosphate	phosphate	0.800
	1"	HD	SH	phosphate	phosphate	0.880

When the need of resistance exceeds the class T couplings, Duralitte has developed the DES class couplings.

These coupling are made of special steel, to increase the fluence up to values 980 Mpa and to increase fatigue resistance.

These coupling are recommended for deep wells extraction.

polished rod couplings					
product	size	class	internal finishing	external finishing	weight kg.
coupling	1 1/4" X 1"	T	phosphate	phosphate	0.570
	1 1/4" X 1"	T	phosphate	phosphate	0.880

sub couplings



product	size	class	type	internal finishing	external finishing	weight kg.
sub coupling	1" x 3/4"	T	SH	phosphate	phosphate	1.15
	1" x 7/8"	T	SH	phosphate	phosphate	1.10
	7/8" x 3/4"	T	FS	phosphate	phosphate	0.83
sub coupling	1" x 3/4"	HD	SH	phosphate	phosphate	1.15
	1" x 7/8"	HD	SH	phosphate	phosphate	1.10
	7/8" x 3/4"	HD	FS	phosphate	phosphate	0.83
sub coupling	1" x 3/4"	SM	SH	phosphate	spray metal	1.15
	1" x 7/8"	SM	SH	phosphate	spray metal	1.10
	7/8" x 3/4"	SM	FS	phosphate	spray metal	0.83