MOX Systems - technesch Dokumentatioun

datasheet-mps-yd-en.pdf

Technesch Iwwersetzung: kuckt d'Original Zeechnungen an Referenz Säiten fir Dimensiounen.

Quell Säit 1

Produkt Dateblatt

Fabrikant beschwéiert Mox Profil Systemer

Dokument Titel Design a Qualitéit: Mps-Yd

Produit Numm Mps-Yd

Produit Beschreiwung STAINLESS Stol Expansioun gemeinsame

Artikelnummer MYD

Benotzungsberäich Ëffentlech, Büro, Residential

Material 201, 304L

Längt 2438/2500 mm

Uewerfläch Satin, Spigel

Mps-Yd Edelstahl Expansioun Joint Profil bitt déi bescht Léisunge fir Keramik Buedemapplikatiounen besonnesch op Plazen mat grousse Flächen wéi Spideeler, Akafszentren a Schoulen.

Et absorbéiert den Drock deen duerch strukturell Expansioune verursaacht gëtt a bitt Keramik Schutz.

Et ass extrem haltbar, laang dauerhaft a korrosionsbeständeg well et aus 304L Qualitéit Edelstol produzéiert gëtt. 201 Qualitéit Edelstol Alternativ och verfügbar.

Mps-Yd, bitt e flawless Erscheinungsbild a Flieseniwwergäng mat sengem minimalen Design.

Mps-Yd Edelstahl-Buedem Gelenker kënnen einfach installéiert ginn andeems d'perforéierte Ankerverlängerungen an d'Gebitt dréckt, wou de Fliesenklebstoff applizéiert gëtt an dann déi ugrenzend Fliesen fest op d'Plaz dréckt.

Corner kënnen zesummegesat ginn andeems de Profil op 45 Grad ofgeschnidden ass.

Et kann an all gewënschte Breet oder Héicht produzéiert ginn.

Mps-Yd STAINLESS Stol Buedem gemeinsame huet Spigel, satin, exklusiv Super Spigel Fläch an anthracite, Bronze, Koffer, Gold, inox Faarf Optiounen.

Säit 1/2

Garantie

Dëst Produkt ass ënner Garantie fir 5 Joer vum Datum vum Empfang ausser de Benotzerfehler wéi hei ënnendrënner opgezielt:

Schued duerch Impakt Schued verursaacht duerch Kratzer Schued verursaacht duerch Schleifstoff oder chemesch Botzmëttelen Kontakt Schued duerch laangem Kontakt mat Waasser Schued verursaacht duerch Belaaschtung fir intensiv Temperatur Schued duerch Montage

LANOITANRETNI FORANODISING QUALITYLABEL INDUSTRIAL TS-EN 755-8 TS-EN 755-9 TS 4922

Quell Säit 2

ALLOY DATABLAD

STAINLESS Stol ASTM 304

304 Qualitéit STAINLESS Stol

ASTM 304 (Qualitéit 304) ass déi gréisste Edelstahl Erfollegsgeschicht.

Et gëtt a bal all industriellen Uwendungen benotzt, fir 50% vun all Edelstahl auszemaachen

Produktioun an ongeféier d'Halschent vun STAINLESS Konsum. 304 ass net nëmmen en Edelstahl deen all Applikatioun passt; et gëtt och eng excellent Basis fir

d'Qualitéite vum 304 ze verstoen, eng praktesch Basis fir d'Eegeschaft vum Edelstol an enger gewënschter Applikatioun ze definéieren, a fir d'Materialien ze vergläichen

der austenitescher STAINLESS Stol Grupp.

Mir all hunn eng zefriddestellend Erfahrung vun engem benotzen 304 a Wëssen vun déif Zeechnen Eegeschafte.

De metalleschen Deel benotzt an

Är Besteck-Sets (kuckt d'Markéierungen 18/10 an 18/8), Drockkoker, Spull a souguer Disketten ass aus 304 Edelstol.

Komponenten

Qualitéit 304L (kuckt w.e.g. Table-1) ass e Kuelestoff 304 deen heiansdo benotzt gëtt fir méiglech Korrosiounsempfindlechkeet a verschweißten Deeler ze vermeiden.

Qualitéit 304H

(Kuckt w.e.g. eis Tabelle vu chemesche Wäerter), erhéicht d'Kraaft, (besonnesch bei Temperaturen iwwer 500 ºC) enthält méi Kuelestoff wéi 304L.

Dës Qualitéit ass

net fir Uwendungen mat der Méiglechkeet vu sensiblen Korrosioun benotzt.

(Table-1) Komponente vun 304 an Zesummenhang Qualitéit

Standard Numm Qualitéit %C %Si %Mn %P %S %Ni

ASTM 304 304 0,08 1,0 2,0 0,045 18,0-20,0 8,0-10,5

ASTM 304 304L 0,03 1,0 2,0 0,045 18,0-20,0 8,0-12,0

ASTM 304 304H 0,04-0,10 1,0 2,0 0,045 18,0-20,0 8,0-12,0

Notiz-1: D'% Tariffer net als Gamme uginn representéieren déi maximal Tariffer.

Note-2: Dës Wäerter sinn an ASTM A240 fir Plack, Blat a Rouleau definéiert.

Fir e puer aner Produkter kann d'Identifikatioun liicht vun dëse Wäerter ënnerscheeden.

Béid 304L an 304H si gëeegent fir Plack (flaach Produkt) a Päif, awer 304H ka manner verfügbar sinn virum Lager. 304L an 304H sinn heiansdo stockéiert

wéi Standard 304. (Test Certificaten confirméieren, datt dëst "L" oder "H") ass)

Corrosion Resistenz

Qualitéit 304 huet excellent corrosion Resistenz an engem breet Beräich.

Et rust net a ville architektonesche Konstruktiounsapplikatiounen.

Zousätzlech ass et einfach ze botzen

a resistent géint organesch Chemikalien, anorganesch Chemikalien a faarweg Faarfstoffer a ville Beräicher a ville Liewensmëttelproduktiouns- a Veraarbechtungsëmfeld. 304 Qualitéit

ass ënner Spannungskorrosiounsrëss an Nukleatiouns- a Rësskorrosioun ënnerworf, an där d'Trekkraaft bei Temperaturen iwwer 50ºC am Chlorit ugewannt gëtt

Ëmfeld bei mëttlerer Temperatur.

Ausserdeem kann et erfollegräich mat kuerzen Intervalle an a waarme Chloritëmfeld applizéiert ginn, wou d'Botzen ass

regelméisseg duerchgefouert an applizéiert (zB an Dëppen an e puer Yacht Verbindungen).

Physikalesch a mechanesch Eegeschaften

Spannkraft Min. 515 MPa

0,2% Rendement Kraaft Min. 205 MPa

Verlängerung% Min. 40%

Hardness (Brinell) Max. 201 HB

Hardness (Rockwell) Max. 92 HRB

Hardness (Vickers) Max. 210 HV

Hëtzt Resistenz

304 Qualitéit huet gutt Oxidatiounsresistenz op Plazen wou et a kuerzen Intervalle bei 870 ºC a kontinuéierlech bei 925 ºC geschafft gëtt.

Et ass net recommandéiert an der

Gamme vu 425 - 860 ºC vun 304, wann déi spéider Applikatioun an wässerlechen Ëmfeld bei Raumtemperatur funktionnéiert.

Awer heiansdo mécht et gutt an

Ëmfeld déi iwwer oder ënner dësem Temperaturbereich änneren.

Grad 304L ass méi resistent géint Carbid Nidderschlag a kann an der Temperatur benotzt ginn.

ture Gamme uewen ernimmt.

Wou héich Material Kraaft wichteg ass, héich Kuelestoff Wäerter sinn néideg.

Zum Beispill, AS1210 Drockbehälter Code Grenzen

d'Operatiounstemperatur vun 304L bis 425ºC, an d'Benotzung vun der 304 Qualitéit ass limitéiert op Wäerter vun 0,04% a méi héich fir Temperaturen iwwer 550

ºC.

Qualitéit 304 flëssig Gase bei niddregen Temperaturen

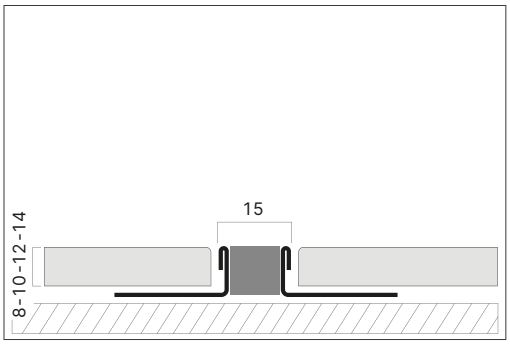
Säit 2/2

Original Zeechnungen an Referenz Säiten

Product Datasheet

Manufacturer	Mox Profile Systems
Document Title	Design and quality: MPS-YD
Product Name	MPS-YD
Product Description	Stainless Steel Expansion Joint
Item No	MYD
Area of Use	Public, Office, Residential
Material	201, 304L
Length	2438/2500mm
Surface	Satin, Mirror

MPS-YD stainless steel expansion joint profile provides the best solutions for ceramic floor applications especially in places with large areas such as hospitals, shopping malls and schools. It absorbs the pressure caused by structural expansions and provides protection to ceramics. It is extremely durable, long-lasting and corrosion resistant since it is produced from 304L quality stainless steel. 201 quality stainless steel alternative also available. MPS-YD, provides a flawless appearance in tile transitions with its minimal design. MPS-YD stainless steel floor joints can be easily installed by pressing the perforated anchor extensions into the area where the tile adhesive is applied and then pressing the adjoining tiles firmly into place. Corners can be assembled by cutting the profile to 45 degrees. It can be produced in any desired width or height. MPS-YD stainless steel floor joint has mirror, satin, exclusive super mirror surfaces and anthracite, bronze, copper, gold, inox color options.



Warranty

This product is under warranty for 5 years from the date of receipt except for the user errors as listed below:

Damage caused by impact
Damage caused by scratching
Damage caused by abrasive substance or chemical cleaning agents contact
Damage caused by prolonged contact with water
Damage caused by exposure to intense temperature
Damage caused by montage

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304 Quality Stainless Steel

ASTM 304 (Quality 304) is the biggest stainless steel success story. It is used in almost all industrial applications, accounting for 50% of all stainless steel production and about half of stainless consumption. 304 is not just a stainless steel that can suit every application; it also provides an excellent basis for understanding the qualities of 304, a practical basis for defining the suitability of stainless steel in a desired application, and for comparing the materials of the austenitic stainless steel group. We all have a satisfying experience of using 304 and knowledge of deep drawing properties. The metallic part used in your cutlery sets (see markings 18/10 and 18/8), pressure cookers, sinks and even floppy disks is made of 304 stainless steel.

Components

Quality 304L (Please see Table-1) is a low carbon 304 that is used occasionally to prevent possible corrosion sensitivity in welded parts. Quality 304H (Please see our table of chemical values), increases strength, (especially at temperatures above 500 ºC) contains a higher carbon than 304L. This quality is not used for applications with the possibility of sensitive corrosion.

(Table-1) Components of 304 and Related Quality

Standard Name	Quality	%C	%Si	%Mn	%P	%S	%Ni
ASTM 304	**304**	0,08	1,0	2,0	0,045	18,0-20,0	8,0-10,5
ASTM 304	**304L**	0,03	1,0	2,0	0,045	18,0-20,0	8,0-12,0
ASTM 304	**304H**	0,04-0,10	1,0	2,0	0,045	18,0-20,0	8,0-12,0

Note-1: The% rates not given as a range represent the maximum rates.
Note-2: These values are defined in ASTM A240 for plate, sheet and roll. For some other products, the identification may differ slightly from these values. Both 304L and 304H are suitable for plate (flat product) and pipe, but 304H may be less available before stock. 304L and 304H are sometimes stocked like standard 304. (Test certificates confirm that this is “L” or “H”)

Corrossion Resistance

Quality 304 has excellent corrosion resistance in a wide area. It does not rust in many architectural construction applications. In addition, it is easily cleaned and resistant to organic chemicals, inorganic chemicals and colored dyes in a wide area in many food production and processing environments. 304 Quality is subjected to stress corrosion cracking and nucleation and cracking corrosion, in which the tensile force is applied at temperatures above 50 ºC in chlorite environments at medium temperature. In addition, it can be successfully applied at short intervals and in warm chlorite environments where cleaning is regularly performed and applied (eg in pots and some yacht connections).

Physical And Mechanical Properties

Tensile Strength Min. 515 MPa
0.2% Yield Strength Min. 205 MPa
Elongation% Min. 40%
Hardness (Brinell) Max. 201HB
Hardness (Rockwell) Max. 92 HRB
Hardness (Vickers) Max. 210 HV

Heat Resistance

304 Quality has good oxidation resistance in places where it is worked at short intervals at 870 ºC and continuously at 925 ºC. It is not recommended in the range of 425 - 860 ºC of 304, if the subsequent application is working in aqueous environments at room temperature. But sometimes it performs well in environments that change above or below this temperature range. Grade 304L is more resistant to carbide precipitation and can be used in the temperature range mentioned above. Where high material strength is important, high carbon values are needed. For example, AS1210 pressure vessels code limits the operating operation temperature of 304L to 425 ºC, and the use of 304 quality is restricted to values of 0.04% and higher for temperatures above 550 ºC.
Quality 304 liquefied gases at low temperatures