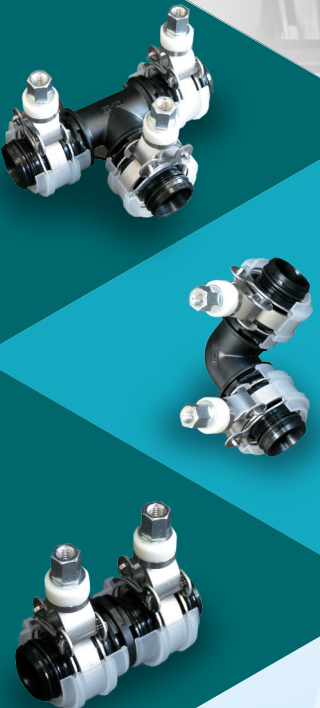




Effortless Pipe Fitting Solutions

FOR PEX & MULTI-LAYER PEX PIPING

Revolutionary one-push press-fitting technology



First-ever toggle method pipe fitting

PERFECT COMBINATION
for an effortless installation

MECHFit
For 16-32mm pipes



Toglit
For pipes over 40mm



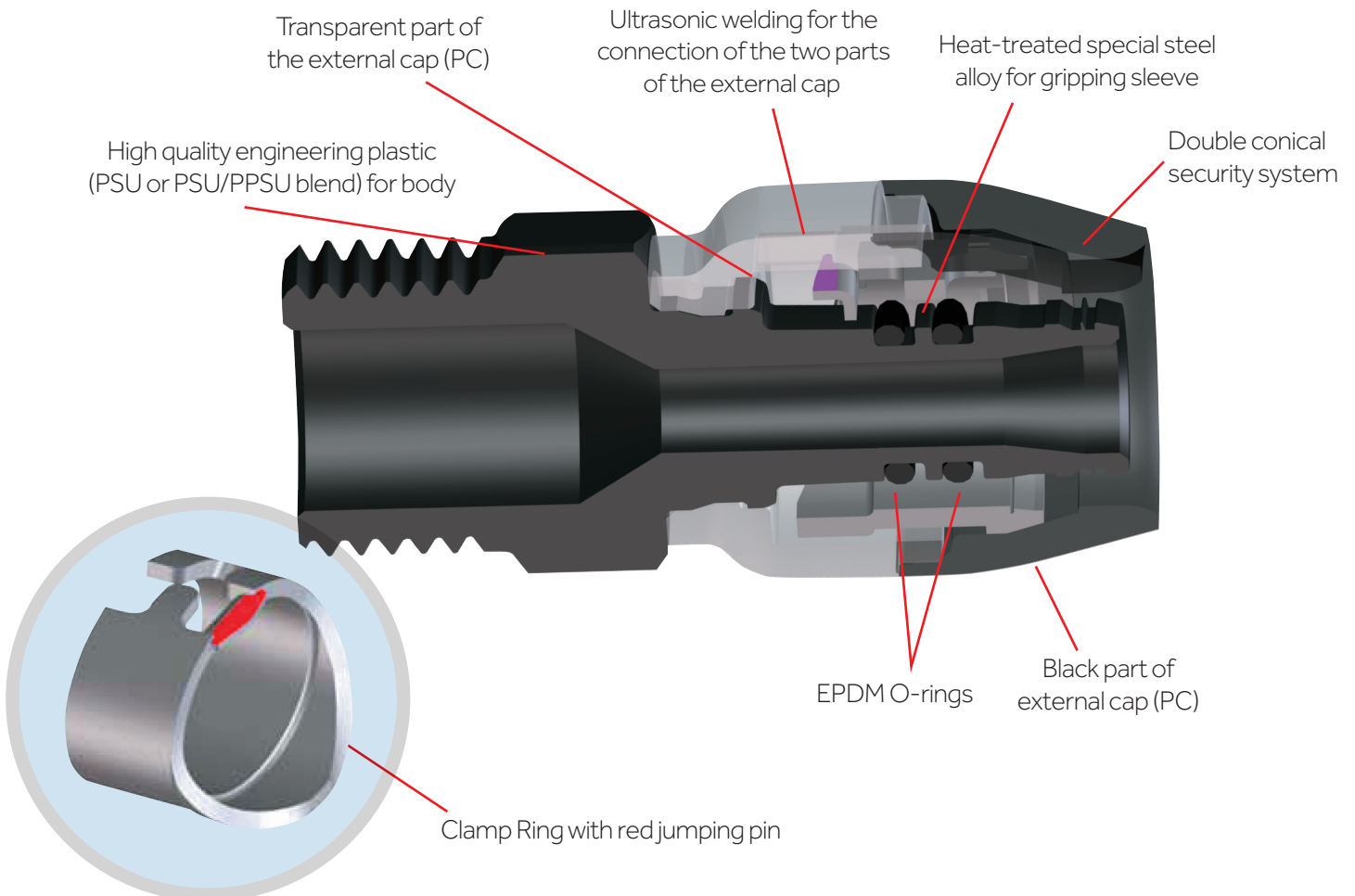
The only tool-free press-fitting solution that works

Featuring a patented heat-treated spring steel clamp ring, the revolutionary "MECHFit" is the only tool-free press-fitting solution that guarantees a waterproof seal even as pipe dimension fluctuates. It's a next-gen solution that resolves the limitations of traditional push-fitting systems.



Built for function and durability

Made with a fusion of cutting-edge metallic and polymeric materials, "MECHFit" is designed to offer exceptional performance while ensuring effortless usability and functionality.



Revolutionary engineering

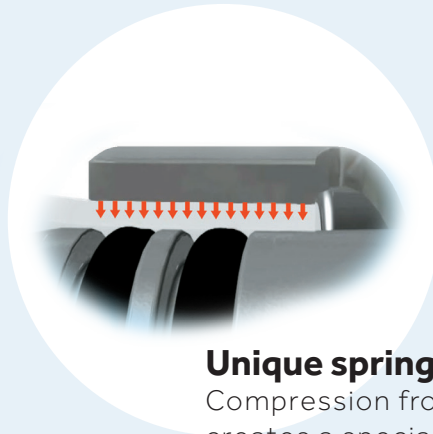


"MECHFit" easily locks into position with a single push into the pipe. No tools required!



Pin release

A red jumping pin releases upon connection, prompting the clamp ring to firmly compress around the pipe.



Unique spring effect

Compression from the clamp ring creates a special spring effect, allowing the fitting to flexibly accommodate any dimensional fluctuation.

Next-generation benefits



ONE-PUSH TECHNOLOGY

Anyone can install the "MECHFit" system with no need for tools or extensive training. Simply push, and go!



VERSATILE

Compatible with all types of sanitary, heating and chill water (FCU system) installations, including Multilayer and PEX pipes.



TIME, COST AND LABOUR SAVING

Durable, efficient and easy-to-install, "MECHFit" minimises the need for maintenance and extra labour, maximising cost-effectiveness and productivity.



QUALITY GUARANTEE

"MECHFit" is the evolution of tool-free fittings in Japan. With over 50 million units sold to date, it's a trusted brand with a quality guarantee.

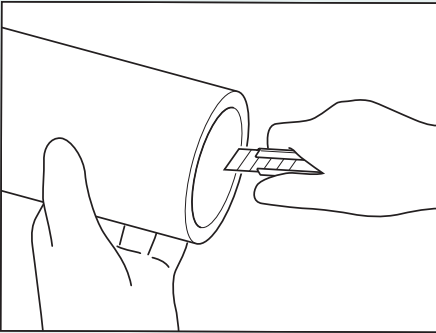
Large piping. Minimal effort.

Toglit is the world's first pipe fitting solution to use the innovative "toggle method", or the toggle mechanism, to significantly reduce the work and effort required to firmly connect large piping.

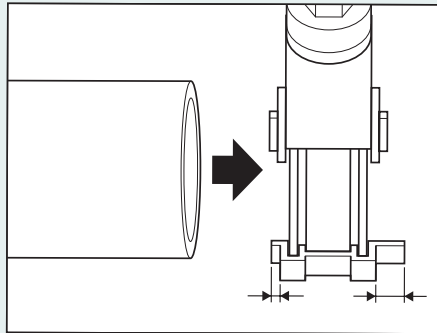


Installation in three, two, ONE MINUTE!

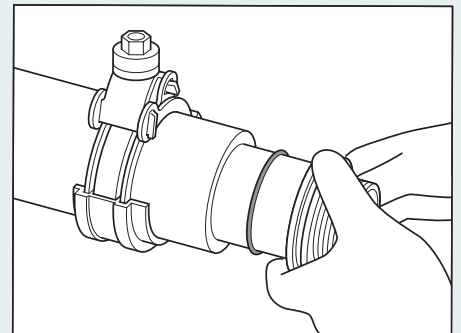
1. Chamfer pipe



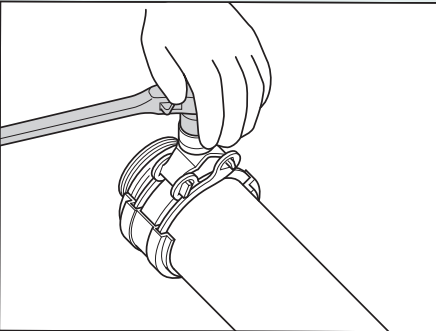
2. Insert fitting



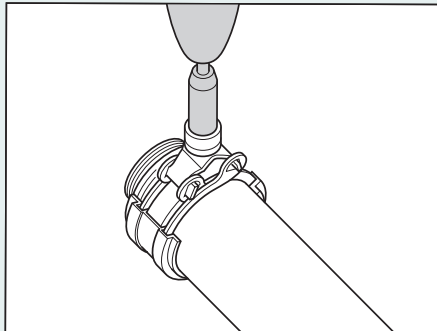
3. Insert nipple body



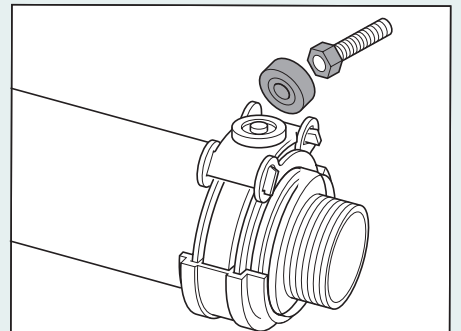
4. Tighten Nut



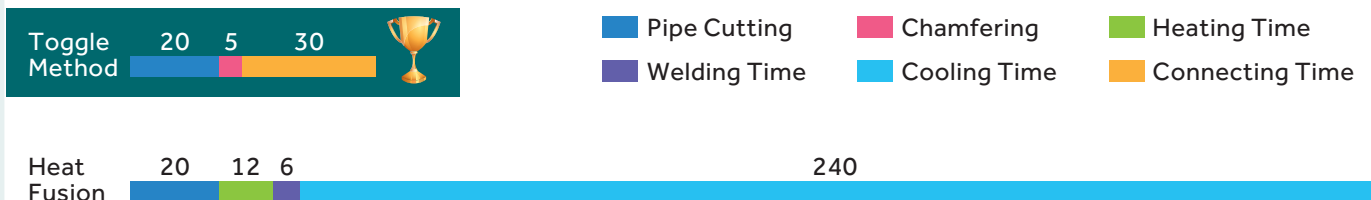
Secure with wrench or power tool



5. Done!



Installation Time with Toggle Method vs Heat Fusion (sec.)



Why Toglit + MECHFit?



Simple and easy to install



Minimal tools required

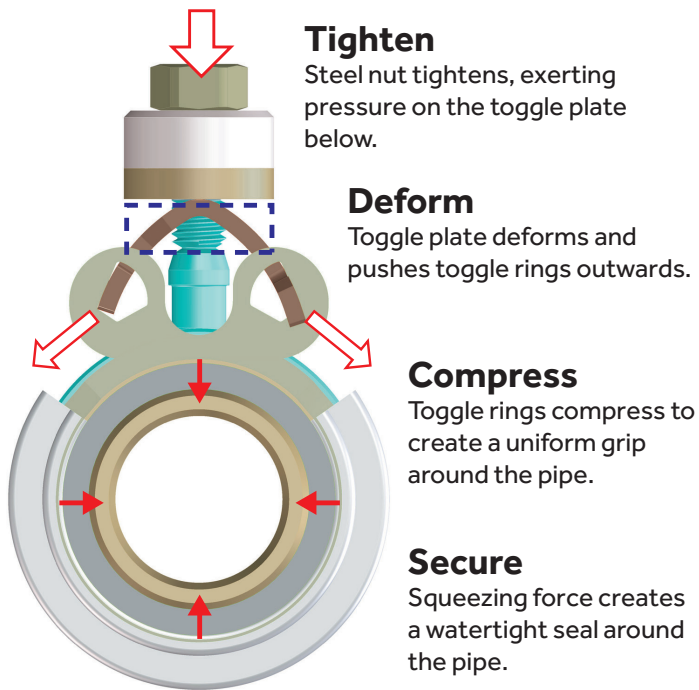


Enhance workability and productivity

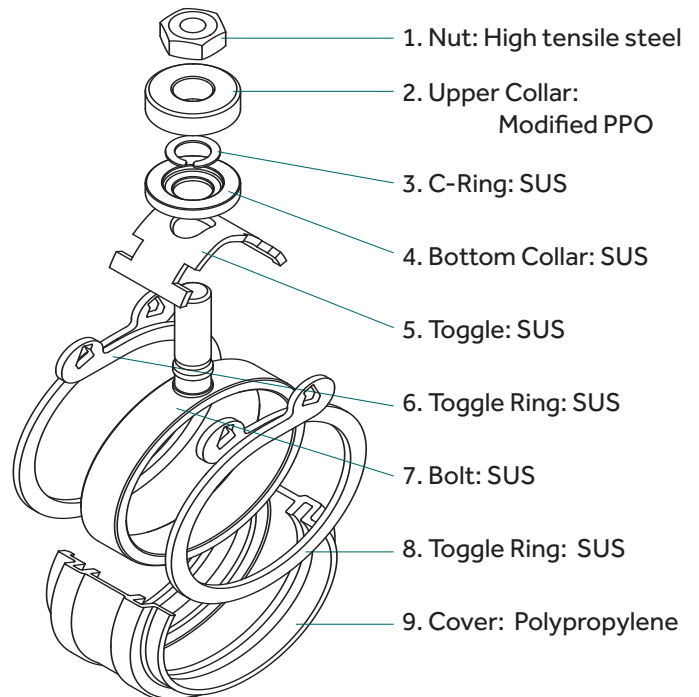


Save time, cost and labour

Togglng in action



Crafted for easy application



Exceptional features

• Quick & easy Installation

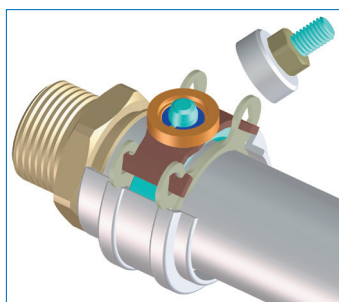
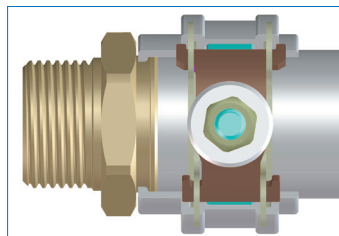
No special tools needed — just a common wrench!

• Seamless installation in tight spaces

Made possible by the toggle mechanism, an innovative technique used to overcome large resistances with a small driving force.

• Versatile application

Optimised for installation from any angle, including vertical pipe routing and frontal connections.



• Uniform squeezing force

The toggle rings distribute an even force around the pipe, preventing interior surface deformation between pipe and fitting.

• Clear completion indication

Bolt and nut automatically detach after work completion.

• Flawless finish

Pipe remains compact and smooth with minimal bulging after installation.

The ultimate pipe fitting solution

A perfect FIT

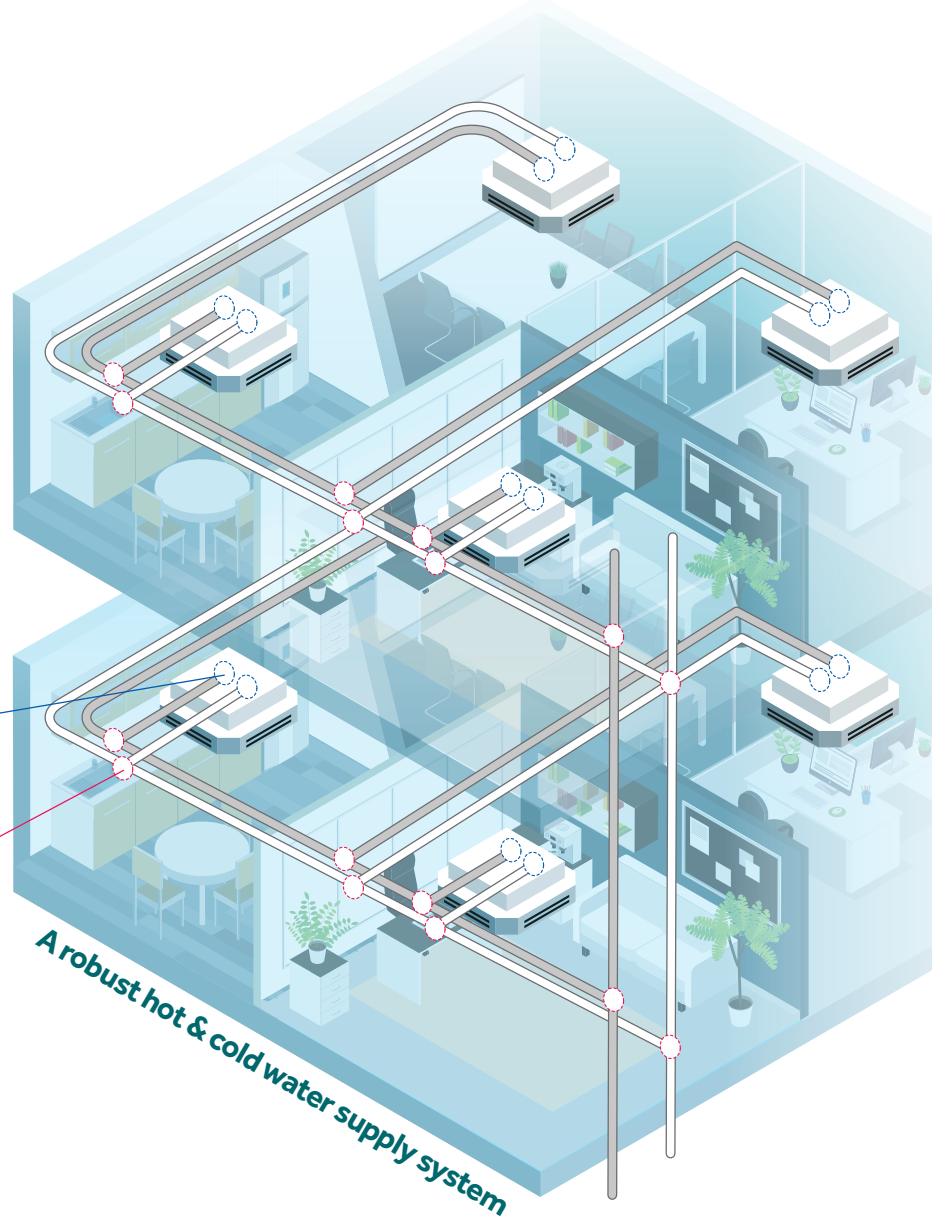
When used together, MECHfit and Toglfit form the perfect pipe fitting solution for a robust, leak-free and durable chilled water supply and return system.

Toglfit (for pipes >40mm)

Use it to connect larger chilled water supply and return pipes that run horizontally across the system.

MECHFit (for 16 to 32mm pipes)

Perfect for smaller branch pipes that connect to fan-coil unit.



MECHFit
(for smaller pipes
16-32mm)



Toglfit
(for larger pipes
over 40mm)

Super Engineering Plastic Model

Toglfit

PRODUCT LINE UP

Brass Model



Fig. 340
Elbow

Code	Size
TP90L40	40



Fig. 341
Equal Tees

Code	Size
TPTEE40	40



Fig. 342
Equal Union

Code	Size
TPSOC40	40



Fig. 373
**Fixed Fitting
with Male Thread**

Code	Size
TGOAG4010	40x 1'
TGOAG4012	40x 1'-1/4"



Fig. 378
**Tee with
Female Thread end**

Code	Size
TGMNT4010	40x 1'
TGMNT4012	40x 1'-1/4"



Fig.
Terminal Elbow

Code	Size
TGMAL4010	40

World-leading pipes for a complete water supply system

Complete your plumbing experience with our world-class PEX and PEX/AL/PEX pipes! Designed to meet stringent ISO15875 and ISO21003 standards, these pipes integrate seamlessly with our MECHFit and Toglit pipe fitting solutions to give you a superior and long-lasting water supply system.



Features:

- Coiled, lightweight and flexible for enhanced workability
- Corrosion, chlorine, electric and pipe-creep resistant
- Wide temperature and pressure range coverage
- Non-toxic and safe for potable water

Pipe dimensional standard

Size	O.D.	I.D.	Thickness	Length (m)
D16	16.0	12.0	2.0	200
D20	20.0	16.0	2.0	100
D25	25.0	20.0	2.5	50
D32	32.0	26.0	3.0	50
D40*	40.0	33.0	3.5	5

* Use with Toglit fitting

Technical Properties of Pipes

		16X2	20X2	25X2.5	32X3
		PEX-AL-PEX	PEX-AL-PEX	PEX-AL-PEX	PEX-AL-PEX
Outside pipe diameter	mm	16	20	25	32
Thickness of pipe	mm	2	2	2.5	3
Weight of 1m pipe	kg/m	0.099	0.127	0.206	0.323
Internal volume of 1m pipe	l/m	0.113	0.201	0.314	0.531
Heat conduction coefficient	Watt/m*K	0.43	0.43	0.43	0.43
Coefficient of linear expansion	mm/m*K	0.024	0.024	0.024	0.024
Roughness of internal surface	μm	1.5	1.5	1.5	1.5
Maximum punctual temperature	°C	110	110	110	110
Maximum operating temperature	°C	95	95	95	95
Minimum temperature of tube manipulation	°C	-40	-40	-40	-40
Minimum bending radius of internal spring	mm	80	100	125	160
Minimum bending radius with bending tool	mm	No kink	No kink	No kink	No kink
Gel content	%	>60	>60	>60	>60

* Based on pipe manufacturer's specifications

Plastic Model

New	Size	pcs/BOX
Elbow		
		
Code No. MP90L		
16	16	108
20	20	72
25	25	32
32	32	20

New	Size	pcs/BOX
Equal and Reducing Tees		
		
Code No. MPTEE		
16	16	64
20	20	40
25	25	24
32	32	10
2016	20x 16x 16	56
2012	20x 16x 20	44
2020	20x 20x 16	44
2516	25x 16x 25	34
2520	25x 20x 20	30
2522	25x 20x 25	32
3220	32x 20x 32	14
3225	32x 25x 25	12
3223	32x 25x 32	10

New	Size	pcs/BOX
Equal and Reducing Union		
		
Code No. MPSOC		
16	16	136
20	20	70
25	25	48
32	32	30
2016	20x 16	70
2516	25x 16	48
2520	25x 20	48
3225	32x 25	30

New	Size	pcs/BOX
Fixed Fitting with Male Thread		
		
Code No. MPOAG		
1604	16x 1/2	192
2004	20x 1/2	112
2006	20x 3/4	112
2506	25x 3/4	48

New	Size	pcs/BOX
Elbow with Fixing Base (Short)		
		
Code No. MPZWL		
1604	16x 1/2	68
2004	20x 1/2	68

New	Size	pcs/BOX
Terminal Elbow		
		
Code No. MPMAL		
1604	16x 1/2	114
2004	20x 1/2	102
2506	25x 3/4	48


New	Size	pcs/BOX
Terminal Elbow with Male Thread		
		
Code No. MPOAL		
1604	16x 1/2	108


New	Size	pcs/BOX
Loose Nut Elbow		
		
Code No. MPLNL		
2506	25x 3/4	40

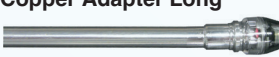
New	Size	pcs/BOX
105° Faucet Elbow		
		
Code No. MPBSL		
*15	16x 1/2	64
*30	16x 1/2	48

New	Size	pcs/BOX
Fixed Fitting with Female Thread		
		
Code No. MPMAD		
1604	16x 1/2	120
2004	20x 1/2	120
2506	25x 3/4	76

Brass Model (●) / DZR Model (●)


New	Size	pcs/BOX
Elbow with Short Fixing Base		
		
Code No. MFZWL / MDZWL		
1604	16x 1/2	68
2004	20x 1/2	68
2006	20x 3/4 ● ●	68


New	Size	pcs/BOX
Terminal Elbow		
		
Code No. FMFAL / FDMAL		
1604	16x 1/2	114
2004	20x 1/2	102
2006	20x 3/4 ● ●	68
*2504	25x 1/2 ● ●	48
2506	25x 3/4	48
2510	25x 1 ● ●	60
3204	32x 1/2 ● ●	30
3210	32x 1 ● ●	28


New	Size	pcs/BOX
Copper Adapter Long		
		
Code No. MF3CAL		
16	16x CU15 ●	40


New	Size	pcs/BOX
Terminal Elbow with Male Thread		
		
Code No. MFOAL / MDOAL		
1604	16x 1/2	108
2004	20x 1/2 ● ●	84
2006	20x 3/4 ● ●	84
2506	25x 3/4 ●	40


MDOAL		
3204	32x 1/2 ●	28

New	Size	pcs/BOX
Terminal Elbow with Male Thread (Long)		
		
Code No. MFOLL		
*1604	16x 1/2 ●	84

New	Size	pcs/BOX
Reducing Tees		
		
Code No. MDTEE		
3232	32x 32x 25 ●	12
2525	25x 25x 20 ●	30

New	Size	pcs/BOX
Fixed Fitting with Female Thread		
		
Code No. MFMAD / MDMAD		
1604	16x 1/2	120
2004	20x 1/2	120
2006	20x 3/4 ● ●	120
*2504	25x 1/2 ●	96
2506	25x 3/4	76
2510	25x 1 ● ●	70
3210	32x 1 ● ●	30

New	Size	pcs/BOX
Tee with Female Thread		
		
Code No. MFMNT / MDMNT		
1604	16x 1/2 ● ●	60
2004	20x 1/2 ● ●	44
2006	20x 3/4 ● ●	44
*2504	25x 1/2 ●	32
*2520	25x 1/2x 20 ●	32
*3225	32x 1/2x 25 ●	24
*3204	32x 1/2 ●	20

New	Size	pcs/BOX
Fixed Fitting with Male Thread		
		
Code No. MFOAG / MDOAG		
1604	16x 1/2	192
2004	20x 1/2	112
2006	20x 3/4	112
2506	25x 3/4	48
2510	25x 1 ● ●	48
3210	32x 1 ● ●	30

New	Size	pcs/BOX
MFOAD (Taper Thread type)		
*2006	20x R3/4 ●	112
*2506	25x R3/4 ●	48
*2510	25x R1 ●	48
*3210	32x R1 ●	30


MDOAG		
3204	32x 1/2 ●	30
3212	32x 1-1/4 ●	30

New	Size	pcs/BOX
Equal and Reducing Union		
		
Code No. MDSOC		
3216	32x 16 ●	30

New	Size	pcs/BOX
Stop End		
		
Code No. MDSTE		
16	16 ●	192
20	20 ●	192


New	Branch Size	pcs/BOX
Hub Header		
		
Code No. MPHHD		
2211	20-20-16-16	12
2111	20-16-16-16	12
211	20-16-16	15
2222	20-20-20-20	12

New	Branch Size	pcs/BOX
Terminal Header		
		
Code No. MPTHHD		
221	20-20-16	15
211	20-16-16	18
21	20-16	24
12	16-20	24
112	16-16-20	18
1112	16-16-16-20	12

New	Size	pcs/BOX
Calibrator		
		
Code No. MPTOL		
16	16x 20x 25	40
32	32x 32x 32	10

New	Size	pcs/BOX
Faucet BOX		
		
Code No. MPFCB		
*15	16 (L15)	150
*30	16 (L30)	150

New	Size	pcs/BOX
Box Base		
		
Code No. MFBBC		
*001	001	150
*080	080	100
*150	150	90
*200	200	NA

New	Size	pcs/BOX
Test Plug		
		
Code No. MFTPG		
16	16	84
20	20	84
25	25	54
32	32	39

Item code : MP...is Plastic body / MF...is Brass body / MD...is DZR body



Daikin Holdings Singapore Pte Ltd

Address: 10 Ang Mo Kio Industrial Park 2, Singapore 569501

Tel: +65 6583 8888 Email: dhos.support@daikin.com.sg

Daikin Holdings Singapore