



PRODUCT CATALOGUE

V1.1

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| PARTNERS IN FIRE PROTECTION |

About Us

WHO

Orbital Fire Ltd is a NZ Owned and Operated Family business incorporating three generations of the Brodie Family. With over 40 years experience in business, our focus is on providing effective solutions not just selling products. Drawing upon our expertise in compliance and regulations, we navigate the intricacies of fire protection, offering guidance to ensure our customers complete adherence to ever-evolving standards. We aim to add value to your business through our trusted relationships with key suppliers, engineers and industry experts, so that Orbital Fire becomes your 'Go-To' supplier.

WHY

As a united family business with a shared purpose, we prioritise life safety above all else. At Orbital Fire our mission is to lead a new era of fire protection solutions, setting new benchmarks and redefining industry standards. Our commitment goes beyond mere fire protection, we strive to simplify the process, eliminating the complexities of compliance and dealing with multiple suppliers.

WHAT

Orbital Fire is a full service, Fire protection solutions provider, offering a one-stop-shop that seamlessly integrates design, compliance, expertise and supply. Our products include sprinklers, pipework & fittings, seismic bracing, support systems, valves and specialist systems. We also have an array for services including seismic design, fabrication and site delivery.



**FAMILY
BUSINESS**



**NZ OWNED
& OPERATED**



**100% STAKE
HOLDER FOCUS**



Partners in Fire Protection

With fire safety, there's no room for complacency. Orbital Fire Ltd has a safety-first approach that leaves no room for compromise. Our customer-centric values are rooted in honesty, ethical practices, and building long-term relationships based on trust.

Orbital Fire service the Auckland region twice a day, whilst also servicing Whangarei, Hamilton, and Tauranga on a regular basis. For other regions we have partnered with a network of major nationwide transport companies to ensure your deliveries are completed quickly and easily.

This is all supported by our in-house delivery service team who ensures an efficient and safe transfer of product to your workshop or site. This is tracked at every point of the process, giving you the confidence the product will arrive on time and to your requirements.



SAFETY



SERVICE

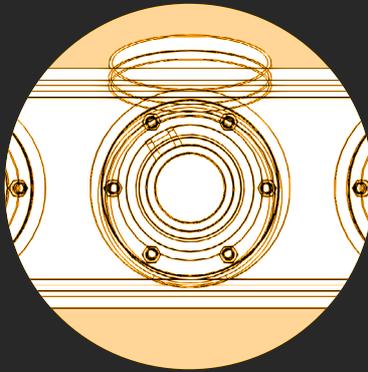


COMPLIANCE

How do we add value?



TECHNICAL
PRODUCT SPECS



CAD MODELS &
ASSEMBLIES



LARGE, LOCAL
DISTRIBUTION CENTRE



DAILY SITE
DELIVERIES

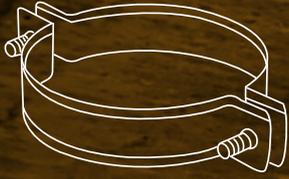


CUSTOM
SERVICES



SEISMIC
DESIGN

QUESTIONS? Contact our team at **09 255 5575**



Pipe Solutions



AS1074 MEDIUM WALL GALVANISED PIPEWORK

CODE	SIZE MM	SIZE "	OUTSIDE DIAMETER MM	WALL THICKNESS MM	LENGTH MM	PIPE END
PM15G	15	1/2	21.3	2.6	6500	Plain End
PM20G	20	3/4	26.7	2.6	6500	Plain End
PM25G	25	1	33.4	3.2	6500	Plain End
PM32G	32	1-1/4	42.2	3.2	6500	Plain End
PM40G	40	1-1/2	48.3	3.2	6500	Plain End
PM50G	50	2	60.3	3.6	6500	Plain End
PMRG65G	65	2-1/2	76.1	3.6	6500	Roll Grooved
PMRG80G	80	3	88.9	4.0	6500	Roll Grooved
PMRG100G	100	4	114.3	4.5	6500	Roll Grooved
PMRG150G	150	6	165.1	5.0	6500	Roll Grooved
PMRG200G	200	8	219.1	6.4	6000	Roll Grooved
PMRG250G	250	10	273	6.4	6000	Roll Grooved

Also available in Red Primed finish.



AS1074 LIGHT WALL GALVANISED 6.5M PIPEWORK

CODE	SIZE MM	SIZE "	OUTSIDE DIAMETER MM	WALL THICKNESS MM	LENGTH MM	PIPE END
PLRG65G	65	2-1/2	76.1	3.2	6500	Roll Grooved
PLRG80G	80	3	88.9	3.2	6500	Roll Grooved
PLRG100G	100	4	114.3	3.6	6500	Roll Grooved
PLRG150G	150	6	165.1	3.5	6500	Roll Grooved
PLRG200G	200	8	219.1	4.8	6000	Roll Grooved
PLRG250G	250	10	273	4.8	6000	Roll Grooved

Also available in Red Primed finish.

PIPING PRODUCTS & SERVICES



STAINLESS PIPE & FITTINGS

Orbital Fire stocks and distributes stainless steel pipework and all related fittings including threaded and butt weld. All products are certified to ASTM A312 and ASME B16.9 standards.



WELDED & SEAMLESS SCHEDULE PIPEWORK

Orbital Fire stocks and distributes welded and seamless schedule pipework (S10, S40, S80) and fittings including butt weld and 3000lb. All products are certified to ASME B36.10 and ASME B16.9 standards. These can be supplied in a range of finishes and end preparations.



PIPE FABRICATION

Orbital Fire offers a custom fabrication service for all pipework projects. This includes pipework cut to length, cutting of holes, custom welding and batch marking services. All cutting and welding is produced and certified to relevant New Zealand Standards.

WELDED BOSS CLAMP ZINC PLATE		
CODE	DESCRIPTION	BOSS
HCDB15Z-AON.	21.2od (15NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB20Z-AON.	27.0od (20NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB25Z-AON.	34.0od (25NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB32Z-AON.	43.0od (32NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB40Z-AON.	48.0od (40NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB50Z-AON.	60.0od (50NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB65Z-AON.	76.0od (65NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB80Z-AON.	89.0od (80NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB100Z-AON.	115od (100NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB125Z-AON.	140od (125NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB150Z-AON.	165od (150NB) Welded Boss Clamp - AON Listed	M10 & M12

Listed By **AON**
Complies to NZS4541:2020



WELDED BOSS CLAMP HDG		
CODE	DESCRIPTION	BOSS
HCDB15G-AON.	21.2od (15NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB20G-AON.	27.0od (20NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB25G-AON.	34.0od (25NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB32G-AON.	43.0od (32NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB40G-AON.	48.0od (40NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB50G-AON.	60.0od (50NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB65G-AON.	76.0od (65NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB80G-AON.	89.0od (80NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB100G-AON.	115od (100NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB125G-AON.	140od (125NB) Welded Boss Clamp - AON Listed	M10 & M12
HCDB150G-AON.	165od (150NB) Welded Boss Clamp - AON Listed	M10 & M12

Listed By **AON**
Complies to NZS4541:2020



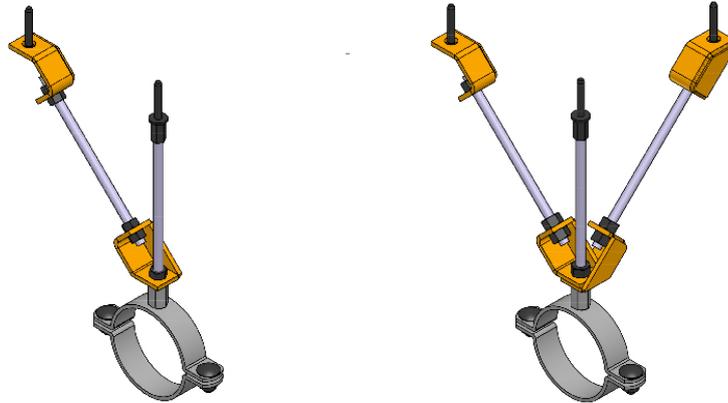
WELDED BOSS CLAMP STAINLESS A4		
CODE	DESCRIPTION	BOSS
HCDB15A4-AON.	21.2od (15NB) Welded Boss Clamp - AON Listed	M10
HCDB20A4-AON.	27.0od (20NB) Welded Boss Clamp - AON Listed	M10
HCDB25A4-AON.	34.0od (25NB) Welded Boss Clamp - AON Listed	M10
HCDB32A4-AON.	43.0od (32NB) Welded Boss Clamp - AON Listed	M10
HCDB40A4-AON.	48.0od (40NB) Welded Boss Clamp - AON Listed	M10
HCDB50A4-AON.	60.0od (50NB) Welded Boss Clamp - AON Listed	M10
HCDB65A4-AON.	76.0od (65NB) Welded Boss Clamp - AON Listed	M10
HCDB80A4-AON.	89.0od (80NB) Welded Boss Clamp - AON Listed	M10
HCDB100A4-AON.	115od (100NB) Welded Boss Clamp - AON Listed	M10
HCDB125A4-AON.	140od (125NB) Welded Boss Clamp - AON Listed	M10
HCDB150A4-AON.	165od (150NB) Welded Boss Clamp - AON Listed	M10

Listed By **AON**
Complies to NZS4541:2020



RBG SEISMIC ATTACHMENT BRACKET

CODE	DESCRIPTION
ORB-RBG	Orbital RBG Seismic Threaded Rod Bracket – 2020 Seismic AON Approved



SEISMIC UNIVERSAL SWAY BRACE

CODE	DESCRIPTION
SB50	Standard Universal Sway Brace 50 NB
SB65	Standard Universal Sway Brace 65 NB
SB80	Standard Universal Sway Brace 80 NB
SB100	Standard Universal Sway Brace 100 NB
SB150	Standard Universal Sway Brace 150 NB
SB200	Standard Universal Sway Brace 200 NB
SB250	Standard Universal Sway Brace 250 NB
SBA12	Standard Universal Sway Brace M12 Attachment
SBBC	Standard Universal Sway Brace Beam Clamp





Listed By **AON**
Complies to NZS4541:2020

LIGHT DUTY TWO-PIECE YOKE CLAMP

CODE	DIAMETER	W X T	DESCRIPTION	STEEL PIPE SIZE
ORB-8-021G	21 mm	20 x 3	21mm (15 NB) Light Duty Two-Piece Yoke Clamp HDG	15 NB
ORB-8-027G	27 mm	20 x 3	27mm (20 NB) Light Duty Two-Piece Yoke Clamp HDG	20 NB
ORB-8-034G	34 mm	20 x 3	34mm (25 NB) Light Duty Two-Piece Yoke Clamp HDG	25 NB
ORB-8-043G	43 mm	20 x 3	43mm (32 NB) Light Duty Two-Piece Yoke Clamp HDG	32 NB
ORB-8-048G	48 mm	20 x 3	48mm (40 NB) Light Duty Two-Piece Yoke Clamp HDG	40 NB
ORB-8-060G	60 mm	20 x 3	60mm (50 NB) Light Duty Two-Piece Yoke Clamp HDG	50 NB
ORB-8-076G	76 mm	20 x 3	76mm (65 NB) Light Duty Two-Piece Yoke Clamp HDG	65 NB
ORB-8-089G	89 mm	20 x 3	89mm (80 NB) Light Duty Two-Piece Yoke Clamp HDG	80 NB
ORB-8-114G	114 mm	20 x 3	114mm (100 NB) Light Duty Two-Piece Yoke Clamp HDG	100 NB

* Note: Custom sizes and finishes available on request.



Listed By **AON**
Complies to NZS4541:2020

MEDIUM DUTY TWO-PIECE YOKE CLAMP

CODE	DIAMETER	W X T	DESCRIPTION	STEEL PIPE SIZE
ORB-18-060G	60 mm	40 x 5	60mm (50 NB) Medium Duty Two-Piece Yoke Clamp HDG	50 NB
ORB-18-076G	76 mm	40 x 5	76mm (65 NB) Medium Duty Two-Piece Yoke Clamp HDG	65 NB
ORB-18-089G	89 mm	40 x 5	89mm (80 NB) Medium Duty Two-Piece Yoke Clamp HDG	80 NB
ORB-18-114G	114 mm	40 x 6	114mm (100 NB) Medium Duty Two-Piece Yoke Clamp HDG	100 NB
ORB-18-140G	140 mm	40 x 6	140mm (125 NB) Medium Duty Two-Piece Yoke Clamp HDG	125 NB
ORB-18-165G	165 mm	40 x 6	165mm (150 NB) Medium Duty Two-Piece Yoke Clamp HDG	150 NB
ORB-18-219G	219 mm	40 x 6	219mm (200 NB) Medium Duty Two-Piece Yoke Clamp HDG	200 NB
ORB-18-273G	273 mm	40 x 6	273mm (250NB) Medium Duty Two-Piece Yoke Clamp HDG	250 NB

*Note: Custom sizes and finishes available on request.



LIGHT DUTY SADDLE CLAMP

CODE	DIAMETER	W X T	DESCRIPTION	STEEL PIPE SIZE
ORB-4-021G	21 mm	25 x 3	21mm (15 NB) Light Duty Saddle Clamp HDG	15 NB
ORB-4-027G	27mm	25 x 3	27mm (20 NB) Light Duty Saddle Clamp HDG	20 NB
ORB-4-034G	34mm	25 x 3	34mm (25 NB) Light Duty Saddle Clamp HDG	25 NB
ORB-4-043G	43mm	25 x 3	43mm (32 NB) Light Duty Saddle Clamp HDG	32 NB
ORB-4-048G	48mm	25 x 3	48mm (40 NB) Light Duty Saddle Clamp HDG	40 NB
ORB-4-060G	60mm	25 x 3	60mm (50 NB) Light Duty Saddle Clamp HDG	50 NB
ORB-4-076G	76mm	25 x 3	76mm (65 NB) Light Duty Saddle Clamp HDG	65 NB
ORB-4-089G	89mm	25 x 3	89mm (80 NB) Light Duty Saddle Clamp HDG	80 NB
ORB-4-114G	114mm	25 x 3	114mm (100 NB) Light Duty Saddle Clamp HDG	100 NB

*Note: Custom sizes and finishes available on request.



MEDIUM DUTY SADDLE CLAMP

CODE	DIAMETER	W X T	DESCRIPTION	STEEL PIPE SIZE
ORB-15-021G	21 mm	40 x 5	21mm (15 NB) Medium Duty Saddle Clamp HDG	15 NB
ORB-15-027G	27 mm	40 x 5	27mm (20 NB) Medium Duty Saddle Clamp HDG	20 NB
ORB-15-034G	34 mm	40 x 5	34mm (25 NB) Medium Duty Saddle Clamp HDG	25 NB
ORB-15-043G	43 mm	40 x 5	43mm (32 NB) Medium Duty Saddle Clamp HDG	32 NB
ORB-15-048G	48 mm	40 x 5	48mm (40 NB) Medium Duty Saddle Clamp HDG	40 NB
ORB-15-060G	60 mm	40 x 5	60mm (50 NB) Medium Duty Saddle Clamp HDG	50 NB
ORB-15-076G	76 mm	40 x 5	76mm (65 NB) Medium Duty Saddle Clamp HDG	65 NB
ORB-15-089G	89 mm	40 x 5	89mm (80 NB) Medium Duty Saddle Clamp HDG	80 NB
ORB-15-114G	114 mm	40 x 6	114mm (100 NB) Medium Duty Saddle Clamp HDG	100 NB
ORB-15-165G	165 mm	50 x 6	165mm (150 NB) Medium Duty Saddle Clamp HDG	150 NB
ORB-15-219G	219 mm	50 x 6	219mm (200 NB) Medium Duty Saddle Clamp HDG	200 NB
ORB-15-273G	273 mm	50 x 6	273mm (250NB) Medium Duty Saddle Clamp HDG	250 NB

* Note: Custom sizes and finishes available on request.



MEDIUM DUTY TWO-PIECE PIPE CLAMP WITH WELDED THREADED PAP					
CODE	DIAMETER	W X T	DESCRIPTION	STEEL PIPE SIZE	PAP SIZE
ORB-16-060G-025	60mm	40 x 5	60mm (50NB) Medium Duty Two Piece Pipe Clamp HDG with 25mm Threaded Pap	50 NB	25 mm
ORB-16-076G-025	76mm	40 x 5	76mm (65NB) Medium Duty Two Piece Pipe Clamp HDG with 25mm Threaded Pap	65 NB	25 mm
ORB-16-089G-025	89mm	40 x 5	89mm (80NB) Medium Duty Two Piece Pipe Clamp HDG with 25mm Threaded Pap	80 NB	25 mm
ORB-16-114G-025	114mm	40 x 6	114mm (100NB) Medium Duty Two Piece Pipe Clamp HDG with 25mm Threaded Pap	100 NB	25 mm
ORB-16-140G-025	140mm	40 x 6	140mm (125NB) Medium Duty Two Piece Pipe Clamp HDG with 25mm Threaded Pap	125 NB	25 mm
ORB-16-165G-025	165mm	40 x 6	165mm (150NB) Medium Duty Two Piece Pipe Clamp HDG with 25mm Threaded Pap	150 NB	25 mm
ORB-16-165G-050	165mm	40 x 6	165mm (150NB) Medium Duty Two Piece Pipe Clamp HDG with 50mm Threaded Pap	200 NB	50 mm
ORB-16-219G-025	219mm	40 x 6	219mm (200NB) Medium Duty Two Piece Pipe Clamp HDG with 25mm Threaded Pap	250 NB	25 mm
ORB-16-219G-050	219mm	40 x 6	219mm (200NB) Medium Duty Two Piece Pipe Clamp HDG with 50mm Threaded Pap	300 NB	50 mm
ORB-16-273G-050	273mm	40 x 6	273mm (250NB) Medium Duty Two Piece Pipe Clamp HDG with 50mm Threaded Pap	300 NB	50 mm
ORB-16-324G-050	324mm	40 x 6	324mm (300NB) Medium Duty Two Piece Pipe Clamp HDG with 50mm Threaded Pap	300 NB	50 mm

* Note: All custom size paps available on request.

FOOT PLATE	
CODE	DESCRIPTION
F25	Foot Plate 25mm
F32	Foot Plate 32mm
F40	Foot Plate 40mm
F50	Foot Plate 50mm



PIPE U - BOLTS				
CODE	DIAMETER	W X T	DESCRIPTION	STEEL PIPE SIZE
ORB-14-021G	21 mm	M10 x 65	M10 x 65mm Medium Duty U Bolts HDG	15 NB
ORB-14-027G	27 mm	M10 x 77	M10 x 77mm Medium Duty U Bolts HDG	20 NB
ORB-14-034G	34 mm	M10 x 85	M10 x 85mm Medium Duty U Bolts HDG	25 NB
ORB-14-043G	43 mm	M10 x 93	M10 x 93mm Medium Duty U Bolts HDG	32 NB
ORB-14-048G	48 mm	M10 x 100	M10 x 100mm Medium Duty U Bolts HDG	40 NB
ORB-14-060G	60 mm	M10 x 110	M10 x 110mm Medium Duty U Bolts HDG	50 NB
ORB-14-076G	76 mm	M12 x 127	M12 x 127mm Medium Duty U Bolts HDG	65 NB
ORB-14-089G	89 mm	M12 x 140	M12 x 140mm Medium Duty U Bolts HDG	80 NB
ORB-14-114G	114 mm	M12 x 165	M12 x 165mm Medium Duty U Bolts HDG	100 NB
ORB-14-165G	165 mm	M12 x 220	M12 x 220mm Medium Duty U Bolts HDG	150 NB
ORB-14-219G	219 mm	M16 x 295	M16 x 296mm Medium Duty U Bolts HDG	200 NB
ORB-14-273G	273 mm	M20 x 370	M20 x 370mm Medium Duty U Bolts HDG	250 NB
ORB-14-324G	324 mm	M20 x 420	M20 x 420mm Medium Duty U Bolts HDG	300 NB

* Note: Custom sizes and finishes available on request.



V- NOTCH PIPE BEAM PLATES		
CODE	DESCRIPTION	STEEL PIPE SIZE
ORB-BP34	Beam Plate - 34mm - 48mm (25NB-40NB) Galv	25NB-40 NB
ORB-BP60	Beam Plate - 60mm - 89mm (50NB-80NB) Galv	50NB-80 NB
ORB-BP114	Beam Plate - 114mm (100 NB) Galv	100 NB
ORB-BP168	Beam Plate - 168mm (150 NB) Galv	150 NB
ORB-BP220	Beam Plate - 220mm (200 NB) Galv	200 NB
ORB-BP273	Beam Plate - 273mm (250 NB) Galv	250 NB



2PC CHANNEL CLIP			
D	PIPE	CODE	MATERIAL
21	15NB	ORB-132-021-2PCE	32x1.6
27	20NB	ORB-132-027-2PCE	32x1.6
34	25NB	ORB-132-034-2PCE	32x2.0
43	32NB	ORB-132-043-2PCE	32x2.0
48	40NB	ORB-132-048-2PCE	32x2.0
60	50NB	ORB-132-060-2PCE	32x2.5
76	65NB	ORB-132-076-2PCE	32x2.5
89	80NB	ORB-132-089-2PCE	32x2.5
114	100NB	ORB-132-114-2PCE	32x2.5
165	150NB	ORB-132-165-2PCE	32x2.5

* Note: Other sizes and finishes available on request.



ENGINEERING DATA AT YOUR FINGERTIPS!

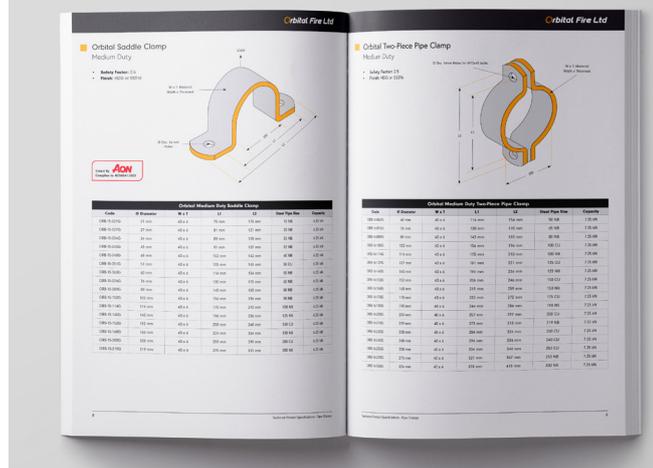


HAVE YOU CHECKED OUT THE ENGINEERING RESOURCES AVAILABLE ON THE ORBITAL FIRE WEBSITE?

Come and take a look! Simply click on the "ENGINEERING" tab at the top of the screen to open a drop down menu that will give you access to a variety of handy resources. This includes; **Technical Product Specification documents, CAD Models and Assemblies, Design Services, and more.**

You have the option to view the data online or to download it for print. We are continuously expanding our resource library to better cater to your engineering needs, so keep an eye out for any new additions.

WHATS INSIDE





tyco

Sprinklers



STANDARD COVERAGE 15MM SPRINKLERS PENDENT / UPRIGHT - STANDARD RESPONSE							
Series TY-B, Bulb Type - 5mm							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3251	K-(5.6) IMP K-(8.0) MET	Pendent	1/2" NPT	Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360	775711155 775711175 775711200 775711286 775711360	TY3251-B068 TY3251-B079 TY3251-B093 TY3251-B141 TY3251-B182
				Jet Black	68 / 155 79 / 175 93 / 200	575715155 775715175 775715200	TY3251-BL068 TY3251-BL079 TY3251-BL093
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	775719155 775719175 775719200 775719286	TY3251-C068 TY3251-C079 TY3251-C093 TY3251-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	775714155 775714175 775714200 775714286	TY3251-W068 TY3251-W079 TY3251-W093 TY3251-W141
TY3151		Upright		Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286	775701155 775701175 775701200 775701286	TY3151-B068 TY3151-B079 TY3151-B093 TY3151-B141
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	775709155 775709175 775709200 775709286	TY3151-C068 TY3151-C079 TY3151-C093 TY3151-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	775704155 775704175 775704200 775704286	TY3151-W068 TY3151-W079 TY3151-W093 TY3151-W141



TY3251



TY3151

**Scan to view
the Full Tech
Document**
TY3251 & TY3151

STANDARD COVERAGE 15MM SPRINKLERS PENDENT / UPRIGHT - QUICK RESPONSE							
Series TY-FRB, Bulb Type - 3mm							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3231	K-(5.6) IMP K-(8.0) MET	Pendent	1/2" BSPT (ISO 7-R1/2") 15mm	Natural Brass	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	773711135 773711155 773711175 773711200 773711286	TY3231-B057 TY3231-B068 TY3231-B079 TY3231-B093 TY3231-B141
				Jet Black	68 / 155 79 / 175 93 / 200	773711155RAL9005 773711175RAL9005 773715200RAL9005	TY3231-BL068 TY3231-BL079 TY3231-BL093
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	773719155 773719175 773719200 773719286	TY3231-C068 TY3231-C079 TY3231-C093 TY3231-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	773714155 773714175 773714200 773714286	TY3231-W068 TY3231-W079 TY3231-W093 TY3231-W141
TY3131		Upright		Natural Brass	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	773701135 773701155 773701175 773701200 773701286	TY3131-B057 TY3131-B068 TY3131-B079 TY3131-B093 TY3131-B141
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	773709155 773709175 773709200 773709286	TY3131-C068 TY3131-C079 TY3131-C093 TY3131-C141
				Black (RAL 9005)	68 / 155 79 / 175 93 / 200	773715155 773705175 773705200	TY3131-BL068 TY3131-BL079 TY3131-BL093
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	773704155 773704175 773704200 773704286	TY3131-W068 TY3131-W079 TY3131-W093 TY3131-W141



TY3231



TY3131


**Scan to view
the Full Tech
Document**
 TY3231 & TY3131

**STANDARD COVERAGE 15MM SPRINKLERS
SIDEWALL - STANDARD RESPONSE**

Series TY-B, Bulb Type - 5mm							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3351	K-(5.6) IMP K-(8.0) MET	Horizontal Sidewall	1/2" NPT 15mm	Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360	575781155 575781175 575781200 575781286 575781360	TY3351-B068 TY3351-B068 TY3351-B093 TY3351-B141 TY3351-B182
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360	575789155 575789175 575789200 575789286 575789360	TY3351-C068 TY3351-C079 TY3351-C093 TY3351-C141 TY3351-C182
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360	575784155 575784175 575784200 575784286 575784360	TY3351-W068 TY3351-W079 TY3351-W093 TY3351-W141 TY3351-W182
		Vertical Sidewall		Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360	575751155 575751175 575751200 575751286 575751360	TY3451-B068 TY3451-B079 TY3451-B093 TY3451-B141 TY3451-B182
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360	575759155 575759175 575759200 575759286 575759360	TY3451-C068 TY3451-C079 TY3451-C093 TY3451-C141 TY3451-C182
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360	575754155 575754175 575754200 575754286 575754360	TY3451-W068 TY3451-W079 TY3451-W093 TY3451-W141 TY3451-W182




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 TY3351 & TY3451

**STANDARD COVERAGE 15MM SPRINKLERS
SIDEWALL - QUICK RESPONSE**

Series TY-FRB, Bulb Type - 3mm								50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE	
TY3331	K-(5.6) IMP K-(8.0) MET	Horizontal Sidewall	1/2" NPT 15mm	Brass	68 / 155 79 / 175 93 / 200 141 / 286	573781155 573781175 573781200 573781286	TY3331-B068 TY3331-B079 TY3331-B093 TY3331-B141	
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	573789155 573789175 573789200 573789286	TY3331-C068 TY3331-C079 TY3331-C093 TY3331-C141	
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	573784155 573784175 573784200 573784286	TY3331-W068 TY3331-W079 TY3331-W093 TY3331-W141	
		Vertical Sidewall		Brass	68 / 155 79 / 175 93 / 200 141 / 286	573751155 573751175 573751200 573751286	TY3431-B068 TY3431-B079 TY3431-B093 TY3431-B141	
				Black (RAL 9005)	68 / 155 93 / 200	57375X155 57375X200	TY3431-BL068 TY3431-BL093	
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	573759155 573759175 573759200 573759286	TY3431-C068 TY3431-C079 TY3431-C093 TY3431-C141	
TY3431	K-(5.6) IMP K-(8.0) MET	Vertical Sidewall	1/2" NPT 15mm	White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	573754155 573754175 573754200 573754286	TY3431-W068 TY3431-W079 TY3431-W093 TY3431-W141	



TY3331



TY3431


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STANDARD COVERAGE 15MM POLYSTAINLESS STEEL SPRINKLERS - STANDARD RESPONSE

Series TY-B, Bulb Type - 5mm, Poly Stainless Steel							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3251	K-(5.6) IMP K-(8.0) MET	Pendent	1/2" NPT	Poly Stainless Steel Grey Aluminium RAL 9007	68 / 155	575712155	TY3251-PS068
					79 / 175	575712175	TY3251-PS079
					93 / 200	575712200	TY3251-PS093
					141 / 286	575712286	TY3251-PS141
					182 / 360	575712360	TY3251-PS182
TY3151		Upright			68 / 155	575702155	TY3151-PS068
					79 / 175	575702175	TY3151-PS079
					93 / 200	575702200	TY3151-PS093
					141 / 286	575702286	TY3151-PS141
		182 / 360	575702360	TY3151-PS182			
TY3351	Horizontal Sidewall	68 / 155	575782155	TY3351-PS068			
		79 / 175	575782175	TY3351-PS079			
		93 / 200	575782200	TY3351-PS093			
		141 / 286	575782286	TY3351-PS141			
		182 / 360	575782360	TY3351-PS182			



TY3251



TY3151



TY3351

*Full stainless steel / Wax coated sprinkler available upon request

STANDARD COVERAGE 15MM POLYSTAINLESS STEEL SPRINKLERS - QUICK RESPONSE

Series TY-FRB, Bulb Type - 3mm, Poly Stainless Steel							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3231	K-(5.6) IMP K-(8.0) MET	Pendent	1/2" NPT	Poly Stainless Steel Grey Aluminium RAL 9007	68 / 155	573712155	TY3231-PS068
					79 / 175	573712175	TY3231-PS079
					93 / 200	573712200	TY3231-PS093
					141 / 286	573712286	TY3231-PS141
TY3131		Upright			68 / 155	573702155	TY3131-PS068
					79 / 175	573702175	TY3131-PS079
					93 / 200	573702200	TY3131-PS093
					141 / 286	573702286	TY3131-PS141
TY3331		Horizontal Sidewall			68 / 155	573782155	TY3331-PS068
		79 / 175	573782175	TY3331-PS079			
		93 / 200	573782200	TY3331-PS093			
		141 / 286	573782286	TY3331-PS141			



TY3231



TY3131



TY3331

*Full stainless steel / Wax coated sprinkler available upon request



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Polystainless Sprinklers

STANDARD COVERAGE 15MM CONCEALED SPRINKLERS

Series RFII, Bulb Type - Pendent Concealed - Standard Response (SR) & Quick Response (QR)							80Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3551 (SR)	K-(5.6) IMP K-(8.0) MET	Pendent Concealed	1/2" NPT	Brass	68 / 155 93 / 200	517901155 517901200	TY3551-B068
TY3531 (QR)							TY3551-B093 TY3531-B068 TY3531-B093



TY3551 & TY3531

Series RFII, Link Type - Horizontal Sidewall Concealed - Quick Response (QR)							80Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3521	K-(5.6) IMP K-(8.0) MET	Concealed Horizontal Side Wall	1/2" NPT	Brass	71 / 160 100 / 212	505501165 505501212	TY3521-B071 TY3521-B100



TY3521

Model RFII-MRI Room Concealed Sprinklers - Standard Response (SR) & Quick Response (QR)						
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER
TY3550	K-(5.6) IMP K-(8.0) MET Standard Response	Pendent Concealed	1/2" NPT	Bronze	68 / 155 93 / 200	518011155 518011200
TY3530	K-(5.6) IMP K-(8.0) MET Quick Response	Pendent Concealed	1/2" NPT	Bronze	68 / 155 93 / 200	518001155 518001200
TY3537	K-(5.6) IMP K-(8.0) MET Extended Coverage	Pendent Concealed	1/2" NPT	Bronze	68 / 155 93 / 200	518021155 518021200
Flat Cover Plates for RFII-MRI				Grey White	59 / 139	567940135
				Brass	59 / 139	567941135
				Signal White RAL 9003	59 / 139	567944135
				Jet Black RAL 9005	59 / 139	567946135
				Custom Colour	59 / 139	56794X135
				Grey White	74 / 165	567940165
				Brass	74 / 165	567941165
				Signal White RAL 9003	74 / 165	567944165
				Jet Black RAL 9005	74 / 165	567946165
				Custom Colour	74 / 165	56794X165
Accessories for RFII-MRI				Sprinkler Wrench		560001075
				Air & Dust Seal		569081001



TY3550 & TY3530



TY3537



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TY3551 & TY3531



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TY3521



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TY3550 & TY3530



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TY3537

STANDARD COVERAGE 15MM WINDOW DRENCHERS							
Model WS Specific Application Window Sprinklers							100Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3388	K-(5.6) IMP K-(8.0) MET	Horizontal Sidewall	1/2" NPT 15mm	Natural Brass	68 / 155 93 / 200	503051155 503051200	TY3388-B068 TY3388-B093
				Chrome	68 / 155 93 / 200	503059155 503059200	TY3388-C068 TY3388-C093
				^White (RAL9003)	68 / 155 93 / 200	503054155 503054200	TY3388-W068 TY3388-W093
TY3488		Pendent Vertical Sidewall		Natural Brass	68 / 155 93 / 200	503041155 503041200	TY3488-B068 TY3488-B093
				Chrome	68 / 155 93 / 200	503049155 503049200	TY3488-C068 TY3488-C093
				White (RAL9003)	68 / 155 93 / 200	503044155 503044200	TY3488-W068 TY3488-W093



TY3388



TY3488

15MM RESIDENTIAL SPRINKLER - PENDENT						
Series LFII, Bulb Type Rapid Response						100Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER
TY2236	K-(4.9) IMP K-(7.1) MET	Pendent	1/2" NPT	Natural Brass	68 / 155 79 / 175	512121155 512121175
				Chrome	68 / 155 79 / 175	512129155 512129175
				White (RAL9003)	68 / 155 79 / 175	512124155 512124175



TY2236

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STANDARD COVERAGE 10MM SPINKLER PENDENT / UPRIGHT - STANDARD RESPONSE							
Series TY-B, Bulb Type - 5mm							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY2208	K-(4.0) IMP K- (5.8) MET	Pendent	ISO 7-R3/8 10mm	Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286	575811155 575811175 575811200 575811286	TY2208-B068 TY2208-B079 TY2208-B093 TY2208-B141
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	575819155 575819175 575819200 575819286	TY2208-C068 TY2208-C079 TY2208-C093 TY2208-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	575814155 575814175 575814200 575814286	TY2208-W068 TY2208-W079 TY2208-W093 TY2208-W141
TY2108		Upright		Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286	575801155 575801175 575801200 575801286	TY2108-B068 TY2108-B079 TY2108-B093 TY2108-B141
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	575809155 575809175 575809200 575809286	TY2108-C068 TY2108-C079 TY2108-C093 TY2108-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	575804155 575804175 575804200 575804286	TY2108-W068 TY2108-W079 TY2108-W093 TY2108-W141



TY2208



TY2108


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 TY2208 & TY2108

STANDARD COVERAGE 10MM SPRINKLER PENDENT / UPRIGHT - QUICK RESPONSE

Series TY-FRB, Bulb Type - 3mm							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY2209	K-(4.0) IMP K- (5.8) MET	Pendent	ISO 7-R3/8 10mm	Natural Brass	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	573811135 573811155 573811175 573811200 573811286	TY2209-B057 TY2209-B068 TY2209-B079 TY2209-B093 TY2209-B141
				Jet Black	68 / 155 93 / 200	573811155JET 573811200RAL9005	TY2209-BL068 TY2209-BL093
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	573819155 573819175 573819200 573819286	TY2209-C068 TY2209-C079 TY2209-C093 TY2209-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	573814155 573814175 573814200 573814286	TY2209-W068 TY2209-W079 TY2209-W093 TY2209-W141
TY2109		Upright		Natural Brass	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	573801135 573801155 573801175 573801200 573801286	TY2109-B057 TY2109-B068 TY2109-B079 TY2109-B093 TY2109-B141
				Chrome	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	573809135 573809155 573809175 573809200 573809286	TY2109-C057 TY2109-C068 TY2109-C079 TY2109-C093 TY2109-C141
				White (RAL9003)	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	573804135 573804155 573804175 573804200 573804286	TY2109-W057 TY2109-W068 TY2109-W079 TY2109-W093 TY2109-W141



TY2209



TY2109



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STANDARD COVERAGE 20MM SPRINKLER PENDENT / UPRIGHT - STANDARD RESPONSE							
Series TY-B, Bulb Type - 5mm							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY4251	K-(8.0) IMP K-(11.5) MET	Pendent	3/4" NPT 20mm	Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360 OPEN*	575911155 575911175 575911200 575911286 575911360 575911000	TY4251-B068 TY4251-B079 TY4251-B093 TY4251-B141 TY4251-B182
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360 OPEN*	575919155 575919175 575919200 575919286 575919360 575919000	TY4251-C068 TY4251-C079 TY4251-C093 TY4251-C141 TY4251-C182
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360 OPEN*	575914155 575914175 575914200 575914286 575914360 575914000	TY4251-W068 TY4251-W079 TY4251-W093 TY4251-W141 TY4251-W182
TY4151		Upright		Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360 OPEN*	575901155 575901175 575901200 575901286 575901360 575901000	TY4151-B068 TY4151-B079 TY4151-B093 TY4151-B141 TY4151-B182
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360 OPEN*	575909155 575909175 575909200 575909286 575909360 575909000	TY4151-C068 TY4151-C079 TY4151-C093 TY4151-C141 TY4151-C182
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286 182 / 360 OPEN*	575904155 575904175 575904200 575904286 575904360 575904000	TY4151-W068 TY4151-W079 TY4151-W093 TY4151-W141 TY4151-W182



TY4251



TY4151


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 TY4251 & TY4151

STANDARD COVERAGE 20MM SPRINKLER PENDENT / UPRIGHT - QUICK RESPONSE

Series TY-FRB, Bulb Type - 3mm							50Pcs/Box
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY4231	K-(8.0) IMP K-(11.0) MET	Pendent	3/4" NPT 20mm	Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286	573911155 573911175 573911200 573911286	TY4231-B068 TY4231-B079 TY4231-B093 TY4231-B141
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	573919155 573919175 573919200 573919286	TY4231-C068 TY4231-C079 TY4231-C093 TY4231-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	573914155 573914175 573914200 573914286	TY4231-W068 TY4231-W079 TY4231-W093 TY4231-W141
TY4131		Upright		Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286	573901155 573901175 573901200 573901286	TY4131-B068 TY4131-B079 TY4131-B093 TY4131-B141
				Chrome	68 / 155 79 / 175 93 / 200 141 / 286	573909155 573909175 573909200 573909286	TY4131-C068 TY4131-C079 TY4131-C093 TY4131-C141
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	573904155 573904175 573904200 573904286	TY4131-W068 TY4131-W079 TY4131-W093 TY4131-W141



TY4231



TY4131

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EXTENDED COVERAGE 20MM SPRINKLER PENDENT / UPRIGHT - QUICK RESPONSE SERIES EC-11								
Series EC-11, Bulb Type - 3mm							50Pcs/Box	
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE	
TY5237	K-(11.2) IMP K-(16.1) MET	Pendent	3/4" NPT 20mm	Natural Brass	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	518931135 518931155 518931175 518931200 518931286	TY5237-B057 TY5237-B068 TY5237-B079 TY5237-B093 TY5237-B141	
				Chrome	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	518939135 518939155 518939175 518939200 518939286	TY5237-C057 TY5237-C068 TY5237-C079 TY5237-C093 TY5237-C141	
				White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	518934155 518934175 518934200 518934286	TY5237-W068 TY5237-W079 TY5237-W093 TY5237-W141	
		TY5137		Upright	Natural Brass	68 / 155 79 / 175 93 / 200 141 / 286	518941155 518941175 518941200 518941286	TY5137-B068 TY5137-B079 TY5137-B093 TY5137-B141
					Chrome	57 / 135 68 / 155 79 / 175 93 / 200 141 / 286	518949135 518949155 518949175 518949200 518949286	TY5137-C057 TY5137-C068 TY5137-C079 TY5137-C093 TY5137-C141
					White (RAL9003)	68 / 155 79 / 175 93 / 200 141 / 286	518944155 518944175 518944200 518944286	TY5137-W068 TY5137-W079 TY5137-W093 TY5137-W141



TY5237



TY5137


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STORAGE ESFR (EARLY SUPPRESSION FAST RESPONSE) SPRINKLER

Model ESFR-14, Bulb Type						50Pcs/Box	
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY6236	K-(14.0) IMP K-(20.2) MET	Pendent	3/4 " BSP (ISO 7-R3/4) 20mm	Natural Brass	68 / 155 93 / 200	584431155 584431200	TY6236-B068 TY6236-B096
Model ESFR-17, Bulb Type						50Pcs/Box	
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY7236	K-(16.8) IMP K-(24.2) MET	Pendent	3/4 " BSP (ISO 7-R3/4) 20mm	Natural Brass	68 / 155 96 / 205	584631155 584631205	TY7236-B068 TY7236-B096
TY7126	K-(16.8) IMP K-(24.2) MET	Upright	3/4 " BSP (ISO 7-R3/4) 20mm	Natural Brass	74 / 165 101 / 214	584481165 584481214	TY7126-B074 TY7126-B101
Model ESFR-22, Link (Solder) Type						50Pcs/Box	
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY8223	K-(22.4) IMP K-(32.0) MET	Pendent	1" BSPT (ISO 7-R1) 25mm	Natural Brass	74 / 165 100 / 212	584651165 584651212	TY8223-B074 TY8223-B100
Model ESFR-25, Link (Solder) Type						50Pcs/Box	
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY9226	K-(25.2) IMP K-(36.3) MET	Pendent	1" BSPT (ISO 7-R1) 25mm	Natural Brass	74 / 165 101 / 214	584421165 584421214	TY9226-B074 TY9226-B101
Model EC-25, Link (Solder) Type						50Pcs/Box	
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY9128	K-(25.2) IMP K-(36.3) MET	Upright	1" BSPT (ISO 7-R1)	Natural Brass	74 / 165 101 / 214	584501165 584501214	TY9128-B079 TY9128-B101
Model ESFR-34, Link (Solder) Type						50Pcs/Box	
Code	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY9286	K-(33.6) IMP K-(48.0) MET	Pendent	1-1/4" BSPT (ISO 7-R1) 32 mm	Natural Brass	74 / 165 100 / 212	516821165 516821212	TY9286-B074 TY9286-B100



TY6236



TY7236



TY7126



TY8223



TY9226



TY9128



TY9286

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TY9128

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TY9286

STORAGE ELO (EXTRA LARGE ORIFICE) SPRINKLER

Series ELO-231B, Bulb Type -5mm Standard Response							50Pcs/Box
Code	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY5251	K-(11.2) IMP K-(16.1) MET	Pendent	3/4" NPT 20mm	Natural Brass	68 / 155 93 / 200 141 / 286	505121155 505121200 505121286	TY5251-B068 TY5251-B093 TY5251-B141
				Chrome	68 / 155 93 / 200 141 / 286	505129155 505129200 505129286	TY5251-C068 TY5251-C093 TY5251-C141
				Wax Coated	68 / 155 93 / 200 141 / 286	505126155 505126200 505126286	
TY5151		Upright		Natural Brass	68 / 155 93 / 200 141 / 286	505101155 505101200 505101286	TY5151-B068 TY5151-B093 TY5151-B141
				Chrome	68 / 155 93 / 200 141 / 286	505109155 505109200 505109286	TY5151-C068 TY5151-C093 TY5151-C141
				Wax Coated	68 / 155 93 / 200 141 / 286	505106155 505106200 505106286	



TY5251



TY5151

Series ELO-231FRB, Bulb Type - 3mm Quick Response							50Pcs/Box
Code	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY5231	K-(11.2) IMP K-(16.1) MET	Pendent	3/4" NPT 20mm	Natural Brass	68 / 155 93 / 200 141 / 286	505021155 505021200 505021286	TY5231-B068 TY5231-B093 TY5231-B141
				Chrome	68 / 155 93 / 200 141 / 286	505029155 505029200 505029286	TY5231-C068 TY5231-C093 TY5231-C141
TY5131		Upright		Natural Brass	68 / 155 93 / 200 141 / 286	505001155 505001200 505001286	TY5131-B068 TY5131-B093 TY5131-B141
				Chrome	68 / 155 93 / 200 141 / 286	505009155 505009200 505009286	TY5131-C068 TY5131-C093 TY5131-C141



TY5231



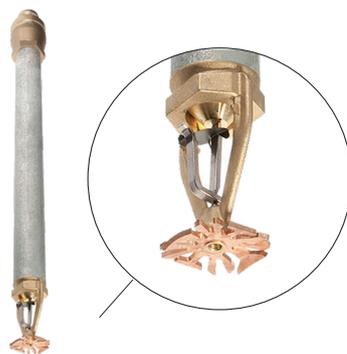
TY5131

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TY5251 & TY5151

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TY5231 & TY5131



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TY7229



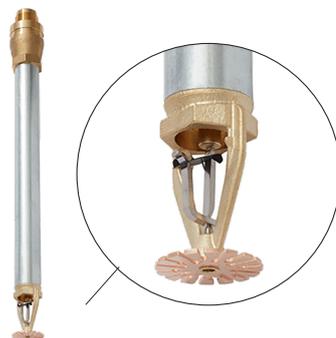
TY7229

DRY DROP SPRINKLER - ESRF-17 K24

Model ESRF-17 Dry, Link (Solder) Type						48/Pallet
SIN NUMBER	K FACTOR	RESPONSE & COVERAGE	THREAD SIZE	LENGTH Inches	TEMP °C / °F	TYCO PART NUMBER
TY7229	K-(16.8) IMP K-(24.2) MET	Pendent	1- 1/4"BSPT (ISO 7-R1-1/4)	23" (584 mm)	74 / 165	1614411230
				23" (584 mm)	101 / 214	1614421230
				30" (762 mm)	74 / 165	1614411300
				30" (762 mm)	101 / 214	1614421300
				36" (914 mm)	74 / 165	1614411360
				36" (914 mm)	101 / 214	1614421360



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TY9229



TY9229

DRY DROP SPRINKLER - ESRF-25 K36

Model ESRF-25 Dry, Link (Solder) Type						48/Pallet
SIN NUMBER	K FACTOR	RESPONSE & COVERAGE	THREAD SIZE	LENGTH Inches	TEMP °C / °F	TYCO PART NUMBER
TY9229	K-(25.2) IMP K-(36.3) MET	Pendent	1- 1/4"BSPT (ISO 7-R1-1/4)	23" (584 mm)	74 / 165	1615421230
				23" (584 mm)	101 / 214	1615411230
				30" (762 mm)	74 / 165	1615421300
				30" (762 mm)	101 / 214	1615411300
				36" (914 mm)	74 / 165	1615421360
				36" (914 mm)	101 / 214	1615411360

DRY DROP SPRINKLER - TYCO DS-1

Series DS-1, Bulb Type, Standard Coverage

SIN NUMBER	K FACTOR	RESPONSE	THREAD SIZE	FINISH	ORDER LENGTH	TYCO PART NUMBER
TY3255	K-(5.6) IMP K-(8.0) MET	Standard Response	ISO 7-R1 1"Thread	Refer to Table below for part numbering	Refer to Table below for part numbering	I60 XXX X XXX
TY3355		Standard Response HSW		Refer to Table below for part numbering	Refer to Table below for part numbering	I60 XXX X XXX
TY3235		Quick Response Standard Coverage		Refer to Table below for part numbering	Refer to Table below for part numbering	I60 XXX X XXX
Refer to table below for part numbering						



TY3255, TY3355, TY3235

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TY3255, 3355, 3235

SERIES DS-1 PART NUMBERING

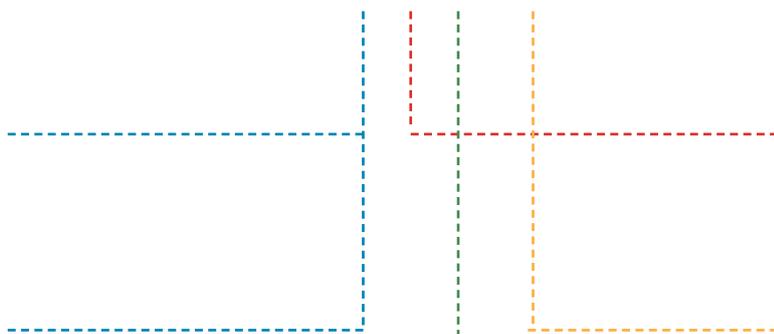
TY 3255

- 96 - with Standard Escutcheon
- 93 - with Deep Escutcheon
- 97 - with Standard Recessed Esc
- 92 - No Escutcheon

TY 3235

- 36 - with Standard Escutcheon
- 33 - with Deep Escutcheon
- 37 - with Standard Recessed Esc
- 32 - No Escutcheon

I-60 XXX X XXX



Sprinkler	Escutcheon
0 Chrome Plated	White (RAL9003)
1 Natural Brass	White (RAL9003)
2 Natural Brass	Brass Plated
4 White (RAL9003)	White (RAL9003)
9 Chrome Plated	Chrome

Temperature (°C / °F)

- 96 - with Standard Escutcheon
- 93 - with Deep Escutcheon
- 97 - with Standard Recessed Esc
- 92 - No Escutcheon

Order Length (XX.XX" = XXX)

Examples :
 5.00" = 050
 7.25" = 072
 17.50" = 175
 29.75" = 297
 Lengths in 0.25 inch increments (i.e. 6.00, 6.25, 6.50, 6.75...)

DRY DROP SPRINKLER - TYCO DS-2

Series DS-2, Bulb Type, Standard Coverage

SIN NUMBER	K FACTOR	RESPONSE	THREAD SIZE	FINISH	ORDER LENGTH	TYCO PART NUMBER
TY5255	K-(11.2) IMP K-(16.1) MET	Standard Response	1" BSPT (ISO 7-R1)	Refer to Table below for part numbering	Refer to Table below for part numbering	161 XXX X XXX
TY5235		Quick Response		Refer to Table below for part numbering	Refer to Table below for part numbering	161 XXX X XXX



TY5255 / TY5235

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TY 5255 & TY 5235

SERIES DS-2 PART NUMBERING

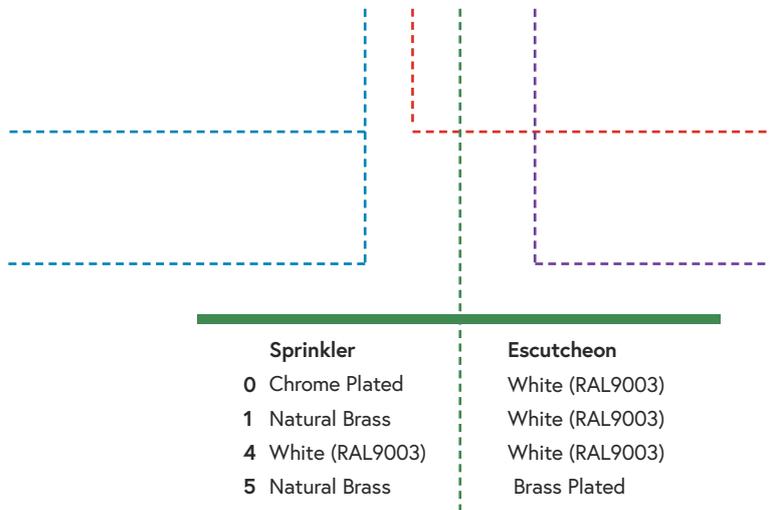
TY 5255

- 10 - with Flush Escutcheon
- 11 - with Recessed Escutcheon
- 12 - with Extended Recessed

TY 5235

- 30 - with Flush Escutcheon
- 31 - with Recessed Escutcheon
- 32 - with Extended Escutcheon

I-61 XXX X XXX



- Sprinkler**
- 0 Chrome Plated
 - 1 Natural Brass
 - 4 White (RAL9003)
 - 5 Natural Brass

- Escutcheon**
- White (RAL9003)
 - White (RAL9003)
 - White (RAL9003)
 - Brass Plated

Temperature (°C / °F)

- 0 - 57 / 135
- 1 - 68 / 155
- 2 - 79 / 175
- 3 - 93 / 200

Order Length (XX.XX" = XXX)

- Examples :**
- 5.00" = 050
 - 7.25" = 072
 - 12.50" = 125
 - 29.75" = 297
- Lengths in 0.25 inch increments (i.e. 6.00, 6.25, 6.50, 6.75...)

SPRINKLER ACCESSORIES - ESCUTCHEON PLATE

2-Piece Recessed Escutcheons							
STYLE NUMBER	THREAD SIZE	TOTAL ADJUSTMENT	DIAMETER	MATERIAL	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
STYLE 15	1/2" 15mm	15.9mm 5/8"	73.0mm 2-7/8"	Carbon Steel	Chrome Plated White (RAL 9003) JET Black (RAL 9005)	567159010 567154010 567156010	TY2PCEPC TY2PCEPW TY2PCEPBL
				Stainless Steel	White (RAL 9003)	567150010	TY2PCEPSW
STYLE 10	1/2" 15mm	19.1mm 3/4"	73.0mm 2-7/8"	Stainless Steel	Plain Unpolished	567011010	TY2PCEPS
STYLE 40	3/4" 20mm	28.6mm 1-1/8"	73.0mm 2-7/8"	Carbon Steel	Chrome Plated White (RAL 9003) JET Black (RAL 9005)	567009010 567004010 567006010	TY2PCEPC20 TY2PCEPW20 TY2PCEPBL20
				Stainless Steel	Plain Unpolished White (RAL 9003)	567001010 57700S010	TY2PCEPS20 TY2PCEPSW20



1-Piece Recessed Escutcheons							
STYLE NUMBER	THREAD SIZE	CEILING OFFSET	DIAMETER	MATERIAL	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
STYLE 65	1/2"	12.7mm 1/2"	71.4mm / 2-13/16"	Carbon Steel	Chrome Stainless Steel White Black	1153 1153-316SS 1174 1174-BLACK	TY1PCEPC TY1PCEPS TY1PCEPW TY1PCEPBL

Wide Adapter Plate (Seismic)				
DIAMETER	MATERIAL	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
120mm	Carbon Steel	White	10033601	TYEXPW
120mm	Carbon Steel	Chrome	10033601	TYEXPC



STYLE 65



Wide Adapter Plate (Seismic)

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STYLE 15 / 10 / 40

 **Scan to view the Full Tech Document**
STYLE 65

SPRINKLER ACCESSORIES - CONCEALED SPRINKLER COVER PLATE				
	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
Cover Plate for: RFII (TY3551, TY3531, TY3252) DS-C (TY3555, TY3535)	Brass	59 / 139 74 / 165	567921135 567921165	
	White (RAL 9003)	59 / 139 74 / 165	567924135 567924165	RFIICPW59 RFIICPW74
	JET Black (RAL 9005)	59 / 139 74 / 165	567926135 567926165	RFIICPBL59 RFIICPBL74
	Chrome	59 / 139 74 / 165	567929135 567929165	RFIICPC59 RFIICPC74
	Brushed Chrome	59 / 139 74 / 165	567928135 567928165	
	Custom	59 / 139 74 / 165	56792X135 56792X165	
Air and Dust Seal			569081001	RFIIAS
*Note: MOQ and additional costs may apply, check with customer service				



SPRINKLER ACCESSORIES - SPRINKLER GUARDS / SHIELDS					
Model G1, G4, G1/S1, G5, S2 Sprinkler Guards & Shields					
MODEL	THREAD SIZE	SUITED FOR (TYXXXX)	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
G1	1/2 - 3/4"	1151, 1251,3151, 3251, 4851, 4951, 4151, 4251,1131, 1231, 3131, 3231, 4131, 4231, 3111, 3211,	Red Painted	569381001	
			Zinc Coated	569389001	G1
			316 Stainless	569380001	G1S
G2	1/2 - 3/4"	5111, 5211,5811, 5151, 5251, 5851, 5131, 5231, 5831	Red Painted	560001087	
			Zinc Coated	560001086	G2
G4	1/2 - 3/4"	3151, 3251,3351, 3451, 3131, 3231, 3331, 3431, 3111, 3211, 4811, 4911, 4111, 4211, 1121, 1221, 3121, 3221, 3321, 4121, 4221	Red Painted	569371066	
			Zinc Coated	569379001	
G1/S1	1/2 - 3/4"	3151, 4151, 3131, 4131	Red Painted	569381066	
			Zinc Coated	569389066	G1/S1



G1



G2



G4



G1S1

Model EG-25 ESFR Sprinkler Guard (for ESFR-22 & ESFR-25)					
MODEL	THREAD SIZE	SUITED FOR (TYXXXX)	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
EG-25	1"	8223, 9226	Red Painted	569391025	
			Zinc Coated	569399025	EG-25



EG-25



Model G5 Sprinkler Guard (For DS-1 Dry Sprinkler)					
MODEL	THREAD SIZE	SUITED FOR (TYXXXX)	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
G5	1"	3255, 3235, 3355, 3335, 3230, 3250, 3337, 3357	Zinc Chromate	569389000	G5
Note: For DS-1 Dry Sprinkler					



G5

Model S-2 Shield					
MODEL	THREAD SIZE	SHIELD DIAMETER	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
S-2	1/2"	88.9MM / 3½"	Zinc Chromate	560709332	S-2-15
	3/4"	88.9MM / 3½"	Zinc Chromate	560709342	S-2-20



S-2

Model WS-2 Shield					
MODEL	THREAD SIZE	SHIELD DIAMETER	FINISH	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
WS-2	1/2"	127.0MM / 5"	Red Painted Zinc Chromate	560001081 560001080	WS-2-15
	3/4"	127.0MM / 5"	Red Painted Zinc Chromate	560001083 560001082	WS-2-20
Cannot be used with TY-B/FRB with PN starting with '7'					



WS-2

Model ES-1 Shield					
MODEL	THREAD SIZE	SHIELD DIAMETER	FINISH	TYCO PART NUMBER	ORBITAL PART CODE
ES-1	1/2"	88.9MM / 3½"	Red Painted Zinc Chromate	580001003 580001002	ES-1



ES-1

Model ES-2 Shield					
MODEL	THREAD SIZE	SHIELD DIAMETER	FINISH	TYCO PART NUMBER	ORBITAL PART CODE
ES-2	1"	101.6MM / 4"	Red Painted Zinc Chromate	580001006 580001005	ES-2



ES-2

SPRINKLER ACCESSORIES - INSTALLATION WRENCHES/TOOLS

MODEL	SUITED FOR SPRINKLER TYPE	TYCO PART NUMBER
Protective Removal Tool	TY-QRF, LFII (Pendent)	560004300
W-Type 1	EC-25, ESFR-25 Pendent, ESFR 22	568721025
W-Type 2	ESFR-1 (TY-6226)	568721001
W-Type 3	EC-8/11/14, EPEC, SW-20/24, LD, ELO-231, ELO-231B/FRB, BB1-3	568951001
W-Type 6	TY-B/FRB, EC-5, CC2, LFII, TY-FS/FRFS, EC-HS	560006387
W-Type 7 (Recessed Sprinkler)	EC-5, CHEC, DS-1 (s/s), LFII, TY-FS/FRFS	568504001
W-Type 8	K17-231, Ultra K17, DS-3	568921001
W-Type 9	TY-L/ & TY-FRL	560001849
W-Type 10 (Recessed Sprinkler)	TY-L, LFII	560001948
W-Type 11	Issue D - TY3191 /3296 /4191/ 4291	564521001
W-Type 12 (Recessed Sprinkler)	TY-FRL - TY1221 / TY3221	567981001
W-Type 17	DS-2	560104118
W-Type 18	ILLUSION, ELOC,LFII	560001265
W-Type 20	WS, CC1	560001106
W-Type 21	ESFR-17 Pendent, Upright (TY6226, TY7126)	560010686
W-Type 22 (Recessed Sprinkler)	EC-11/14	566657001
W-Type 23 (Recessed Sprinkler)	EC-8	560006838
W-Type 25	RAVEN, FSC	563141001
W-Type 26	ESFR-17 Dry Pendent	563411001
W-Type 34	ESFR-14 (TY6236)	564621001
W-Type 35	ESFR-17 Pendent (TY7223)	564631001
W-Type 37	RFIII	563201015
RFII Wrench	RFII	560001075
Socket for LFII (TY2384)	LFII Flush HSW Socket	560004949
Guard Installation Tool	G1, G4	560008597



SPRINKLER ACCESSORIES: SPRINKLER SPARE BOXES

DESCRIPTION	TYCO PART NUMBER
Spares Box - 3 Heads - Red	1177
Spares Box - 6 Heads - Red	1119
Spares Box 12 Heads - Red	1124
ESFR Spares Box 6 heads- Red	1111
ESFR-34 Spares Box 6 heads- Red	11125



RAVEN STUDIO SPRINKLERS						
RAVEN Studio Sprinklers, Standard Coverage (SC)						
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER
TY1281 (SC)	K-(5.6) IMP K-(8.0) MET	Pendent	1/2" NPT x ISO 228 G3/8"	White Grey Custom Colour	74 / 165	503104165 503109165 50310X165
TY1381 (SC)	K-(5.6) IMP K-(8.0) MET	Horizontal Sidewall	1/2" NPT x ISO 228 G3/8"	White Grey Custom Colour		503124165 503129165 50312X165
Extended Coverage option available upon request						



TY1281 (SC)



TY1381 (SC)

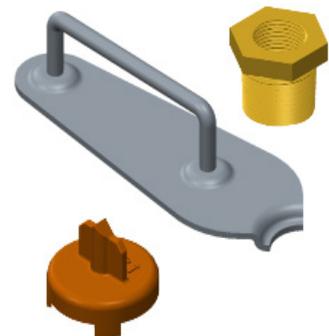


RAVEN STUDIO SPRINKLERS						
	STYLE	MATERIAL	FINISH	TYCO PART NUMBER		
Escutcheon	Style J (3" Diameter)	Carbon Steel	White	563064010		
			Grey	563067010		
	Stainless Steel	Chrome	563069010			
		Primed White	563060004			
Style K (4" Diameter)	Carbon Steel	Primed Grey	563060007			
		Customized Color	56306X010			
	Stainless Steel	White	563074010			
		Grey	563077010			
Chrome	Primed White	563079010				
	Primed Grey	563070004				
Customized Color	563070007	56307X010				
Style K (4" Diameter)	Carbon Steel	White	563084010			
		Grey	563087010			
	Stainless Steel	Chrome	563089010			
		Primed White	563080004			
Primed Grey	563080007	56308X010				
Customized Color	563094010	563097010	563099010	563090004	563090007	56309X010



Escutcheons

	ACCESSORY	DESCRIPTION	TYCO PART NUMBER
Accessories	Thread Adapters	Standard 25mm (1")	913100100
		Medium 38mm (1 1/2")	913100150
		Long 50mm (2")	913100200
	RAVEN Studio Installation Tool	Finished Surface Rough-In	561000355 571000365
Paint Cap	RAVEN Studio Sprinkler Paint Cap	561000354	
Thread Sealant	LOCTITE 243 10ml Bottle (Sprinkler Inlet) PERMABOND LH056, 350ml Container	913101243 33045	



Accessories

RAVEN INSTITUTIONAL SPRINKLERS							
RAVEN Institutional Sprinklers, Standard Coverage (SC)						100Pcs/Box	
SIN NUMBER	K FACTOR	ORIENTATION	THREAD SIZE	FINISH	TEMP °C / °F	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TY3281 (SC)	K-(5.6) IMP K-(8.0) MET	Pendent	1/2" NPT	White Grey	74 / 165	503144165	TY3281-W074
TY3381 (SC)		Horizontal Sidewall				503164165	TY3381-W074
Extended Coverage option available upon request							



TY3281 (SC)



TY3381 (SC)

Escutcheon	Style F (3" Diameter)	Carbon Steel	White Chrome Coated	563144010 563149010	TY3281-3INW TY3281-3INC
		Stainless Steel	White Electropolished	563184010 563189010	TY3281-3INSW TY3281-3INSE
	Style G (4" Diameter)	Carbon Steel	White Chrome Coated	563124010 563129010	TY3281-4INW TY3281-4INC
		Stainless Steel	White Electropolished	563194010 563199010	TY3281-4INSW TY3281-4INSE
Accessories	Model 1781 Centering Grommet for installation in concrete Model 1780 Retaining Flange with set screws for installation in concrete Adjustment Spacer Ring for use with Raven Sprinkler			560001781 560001780 560001755	TY3281-CG TY3281-RF TY3281-SR

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TY3281 & TY3381

MULTIPLE JET CONTROL - MJC UNITS					
Series MJC (Multiple Jet Control)					
SIZE	FIGURE NO. & STYLE	OUTLET SIZE	TEMP RATING °C	BULB COLOR	TYCO PART NUMBER
DN20	FE818 Single Outlet	3/4" BSPT	68 79 93 141	Red Yellow Green Blue	MJCSO0027B MJCSO0027D MJCSO0027E MJCSO0027G
	FE186 Double Outlet		68 79 93 141	Red Yellow Green Blue	MJCDO0027B MJCDO0027D MJCDO0027E MJCDO0027G
DN25	FE190 Single Outlet + Guard	1" BSPT	68 79 93 141	Red Yellow Green Blue	MJCSO0034B MJCSO0034D MJCSO0034E MJCSO0034G
	FE190 Double Outlet + Guard		68 79 93 141	Red Yellow Green Blue	MJCDO0034B MJCDO0034D MJCDO0034E MJCDO0034G
	FE2656 Double Outlet + Guard + Electric Actuator		68 79 93	Red Yellow Green	25015 25017 25019
DN40	FE181 Single Outlet + Guard	1 1/2" BSPT	68 79 93 141	Red Yellow Green Blue	MJCSO0048B MJCSO0048D MJCSO0048E MJCSO0048G
	FE190 Double Outlet + Guard		68 79 93 141	Red Yellow Green Blue	MJCDO0048B MJCDO0048D MJCDO0048E MJCDO0048G
	FE2378 Double Outlet + Guard + Electric Actuator		68 79 93	Red Yellow Green	25027 25029 25031
DN50	FE192 Single Outlet + Guard	2" BSPT	68 79 93 141	Red Yellow Green Blue	MJCSO0060B MJCSO0060D MJCSO0060E MJCSO0060G
	FE192 Double Outlet + Guard		68 79 93 141	Red Yellow Green Blue	MJCDO0060B MJCDO0060D MJCDO0060E MJCDO0060G
	FE2073 Double Outlet + Guard + Electric Actuator		68 79 93	Red Yellow Green	25039 25041 25043



DN20



DN25



DN40



DN50


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 DN20, 25, 40, 50

TYPE MV NOZZLES - DIRECTIONAL SPRAY (OPEN BRASS FINISH)

MODEL	K FACTOR (Metric/Imperial)	THREAD SIZE	MIN DIAMETER (mm/Inches)	Spray Angle	TYCO PART NUMBER
MV10	17.3 / 12	1/2" NPT Brass Finish	5.15 / 0.20	90	AED03829
				95	AEA02524
				110	AEA02533
				125	AEA02542
				140	AEA02551
				160	AEA02560
MV12	18.7 / 1.3		5.40 / 0.21	90	AED03838
				95	AED03847
				110	AED03856
				125	AED03865
				140	AED03874
				160	AED03883
MV15	25.9 / 1.8		6.35 / 0.25	90	AED03892
				95	AEA02588
				110	AEA02597
				125	AEA02609
				140	AEA02618
				160	AEA02627
MV18	28.8 / 2.0		6.80 / 0.27	90	AED03904
				95	AED03913
				110	AED03922
				125	AED03931
				140	AED03940
				160	AED03959
MV19	31.7 / 2.2		7.15 / 0.28	90	AED03968
				95	AEA02645
				110	AEA02654
				125	AEA02663
				140	AEA02672
				160	AEA02681
MV21	36.0 / 2.5		7.70 / 0.30	90	AED03977
				95	AED03986
				110	AED03995
				125	AED04004
				140	AED04013
				160	AED04022
MV25	41.8 / 2.9		8.35 / 0.33	90	AED04031
				95	AEA02702
				110	AEA02711
				125	AEA02720
				140	AEA02739
				160	AEA02748
MV26	44.6 / 3.1		8.80 / 0.34	90	AED04040
				95	AED04059
				110	AED04068
				125	AED04077
				140	AED04086
				160	AED04095
MV30	49.0 / 3.4		9.00 / 0.35	90	AED04107
				95	AED04116
				110	AED04125
				125	AED04134
				140	AED04143
				160	AED04152
MV34	59.0 / 4.1		9.60 / 0.38	90	AED04161
				95	AED00949
				110	AED00958
				125	AED00967
				140	AED00976
				160	AED00985
MV47	79.2 / 5.5	11.20 / 0.44	90	AED04170	
			95	AED01003	
			110	AED01012	
			125	AED01021	
			140	AED01030	
			160	AED01049	
MV57	100.8 / 7.0	12.60 / 0.50	90	AED04189	
			95	AED01067	
			110	AED01076	
			125	AED01085	
			140	AED01094	
			160	AED01106	



MV NOZZLES

TYPE MV NOZZLES - DIRECTIONAL SPRAY (OPEN STAINLESS STEEL FINISH)

MODEL	K FACTOR (Metric/Imperial)	THREAD SIZE	MIN DIAMETER (mm/Inches)	Spray Angle	TYCO PART NUMBER
MV10	17.3 / 1.2	1/2" NPT Stainless Steel Finish	5.15 / 0.20	90	AED07603
				95	AED07603
				110	AED00024
				125	AED00033
				140	AED00042
				160	AED00051
MV12	18.7 / 1.3		5.40 / 0.21	90	AED07612
				95	AED07621
				110	AED07630
				125	AED07649
				140	AED07658
				160	AED07667
MV15	25.9 / 1.8		6.35 / 0.25	90	AED07676
				95	AED00088
				110	AED00097
				125	AED00109
				140	AED00118
				160	AED00127
MV18	28.8 / 2.0		6.80 / 0.27	90	AED07685
				95	AED07694
				110	AED07706
				125	AED07715
				140	AED07724
				160	AED07733
MV19	31.7 / 2.2		7.15 / 0.28	90	AED07742
				95	AED00145
				110	AED00154
				125	AED00163
				140	AED00172
				160	AED00181
MV21	36.0 / 2.5		7.70 / 0.30	90	AED07760
				95	AED07779
				110	AED07788
				125	AED07797
				140	AED07809
				160	AED07818
MV25	41.8 / 2.9		8.35 / 0.33	90	AED07751
				95	AEA00202
				110	AEA00211
				125	AED00220
				140	AEA00239
				160	AEA00248
MV26	44.6 / 3.1		8.80 / 0.34	90	AED07827
				95	AED07836
				110	AED07845
				125	AED07854
				140	AED07863
				160	AED07872
MV30	49.0 / 3.4		9.00 / 0.35	90	AED07881
				95	AED07890
				110	AED07902
				125	AED07911
				140	AED07920
				160	AED07939
MV34	59.0 / 4.1		9.60 / 0.38	90	AED07948
				95	AED01218
				110	AED01227
				125	AED01236
				140	AED01245
				160	AED01254
MV47	79.2 / 5.5	11.20 / 0.44	90	AED07957	
			95	AED01272	
			110	AED01281	
			125	AED01290	
			140	AED01302	
			160	AED01311	
MV57	100.8 / 7.0	12.60 / 0.50	90	AED07966	
			95	AED01339	
			110	AED01348	
			125	AED01357	
			140	AED01366	
			160	AED01375	



MV NOZZLES



TYPE D-3 NOZZLES - MEDIUM VELOCITY

Type D-3, Directional Spray, Open

MODEL	K FACTOR (Metric/Imperial)	THREAD SIZE	ORIFICE	MIN DIAMETER (mm/Inches)	FINISH	TYCO PART NUMBER
D-3	17.3 / 1.2	1/2" NPT	No.16-65	5.16 / 0.203	Natural Finish Bronze	493161065
	17.3 / 1.2		No.16-80	5.16 / 0.203		493161080
	17.3 / 1.2		No.16-95	5.16 / 0.203		493161095
	17.3 / 1.2		No.16-110	5.16 / 0.203		493161140
	25.9 / 1.8		No.18-65	6.35 / 0.250		493181065
	25.9 / 1.8		No.18-80	6.35 / 0.250		493181080
	25.9 / 1.8		No.18-95	6.35 / 0.250		493181095
	25.9 / 1.8		No.18-110	6.35 / 0.250		493181110
	25.9 / 1.8		No.18-125	6.35 / 0.250		493181125
	25.9 / 1.8		No.18-140	6.35 / 0.250		493181140
	25.9 / 1.8		No.18-160	6.35 / 0.250		493181160
	25.9 / 1.8		No.18-180	6.35 / 0.250		493181180
	33.1 / 2.3		No.21	7.14 / 0.281		493211095
	43.2 / 3.0		No.24	8.33 / 0.328		493241095
	59.0 / 4.1		No.28	9.53 / 0.375		493281095
	80.6 / 5.6		No.32	11.13 / 0.438		493321095
	103.7 / 7.2	No.34	12.70 / 0.500	493341095		
	17.3 / 1.2	1/2" NPT	No.16	5.16 / 0.203	Stainless Steel	493160095
	25.9 / 1.8		No.18	6.35 / 0.250		493180095
	33.1 / 2.3		No.21	7.14 / 0.281		493210095
	43.2 / 3.0		No.24	8.33 / 0.328		493240095
	59.0 / 4.1		No.28	9.53 / 0.375		493280095
	80.6 / 5.6		No.32	11.13 / 0.438		493320095
	103.7 / 7.2	No.34	12.70 / 0.500	493340095		



D-3



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D-3

		APPLICATION	K FACTOR (Metric/Imperial)	PLUG STYLE	PART NUMBER
Accessory	Blow-off Plug for Model D-3 & Open Sprinklers	D-3 No.16	17.3 / 1.2	A	563201001
		D-3 No.18	25.9 / 1.8	K	563201009
		D-3 No.21	33.1 / 2.3	J	563201008
		D-3 No.24	43.2 / 3.0	I	563201007
		D-3 No.28	59.0 / 4.1	H	563201006
		D-3 No.32	80.6 / 5.6	E	563201005
		D-3 No.34	103.7 / 7.2	D	563201004
		Open Sprklr	115.2 / 8.0	N	563201010

*Other materials available on request, refer to TFP802

TYPE D-3 PART NUMBERING

49 332 1 **XXX**

Spray Angle

065 = 65°	080 = 80°	095 = 95°	110 = 110°
125 = 125°	140 = 140°	160 = 160°	180 = 180°

TYPE HV NOZZLES - HIGH VELOCITY

Type HV, Directional Spray, Open

MODEL	K FACTOR (Metric/Imperial)	THREAD SIZE	FINISH	TYCO PART NUMBER
HV-14 HV-17 HV-26 HV-37 HV-45	23.0 / 1.6 25.9 / 1.8 40.3 / 2.8 66.2 / 4.6 79.2 / 5.5	ISO 7-R1	Brass	PBP55062 PBP55071 PBP55080 PBP55099 PBP55101
HV-60	92.2 / 6.4	ISO 7-R1-1/4		AEC00236
HV-14 HV-17 HV-26 HV-37 HV-45	23.0 / 1.6 25.9 / 1.8 40.3 / 2.8 66.2 / 4.6 79.2 / 5.5	1" NPT	Brass	490141001 490171001 490261001 490371001 490451001
HV-60	92.2 / 6.4	1 1/4" NPT		490601001
HV-14 HV-17 HV-26 HV-37 HV-45	23.0 / 1.6 25.9 / 1.8 40.3 / 2.8 66.2 / 4.6 79.2 / 5.5	ISO 7-R1	Stainless Steel	AEC00012 AEC00021 AEC00030 AEC00049 AEC00058
HV-60	92.2 / 6.4	ISO 7-R1-1/4		AEC00263
HV-14 HV-17 HV-26 HV-37 HV-45	23.0 / 1.6 25.9 / 1.8 40.3 / 2.8 66.2 / 4.6 79.2 / 5.5	1" NPT	Stainless Steel	490140001 490170001 490260001 490370001 490450001
HV-60	92.2 / 6.4	1 1/4" NPT		490600001



HV



MODEL F822 - F834 MULSIFYRE

MODEL F822, DIRECTIONAL SPRAY, OPEN

	MODEL	K FACTOR (Metric/Imperial)	Dust Cap	THREAD SIZE	FINISH	TYCO PART NUMBER
Mulsifyre	F822	28.8 / 2.0	Not Included	3/4" NPT	Chrome Plated Brass	498001822
	F824	33.1 / 2.3				498001824
	F826	37.4 / 2.6				498001826
	F828	38.9 / 2.7				498001828
	F832	66.2 / 4.6				498001832
	F834	73.4 / 5.1				498001834
	F822	28.8 / 2.0	Included			498011822



Mulsifyre



Replacement



TYPE EA-1 AUTOMATIC NOZZLE

TYPE EA-1, DIRECTIONAL SPRAY

MODEL	K FACTOR (Metric/Imperial)	MIN DIAMETER (mm/Inches)	THREAD	TEMPERATURE (°C/°F)	FINISH	TYCO PART NUMBER
EA-1	20.2 / 1.4	5.59 / 0.220	1/2" NPT	57 / 135 79 / 175 121 / 250 163 / 325 204 / 400 260 / 500	Natural Finish Bronze	497251135 497251175 497251250 497251325 497251400 497251500
				57 / 135 79 / 175 121 / 250 163 / 325	Chrome	497257135 497259175 497259250 497259325
				57 / 135 79 / 175 121 / 250 163 / 325 204 / 400 260 / 500	Natural Finish Bronze	498101135 498101175 498101250 498101325 498101400 498101500
				57 / 135 79 / 175 121 / 250 163 / 325	Chrome	498409135 498409175 498409250 498409325
	40.3 / 2.8	7.92 / 0.312		79 / 175 121 / 250 163 / 325 204 / 400 260 / 500	Natural Finish Bronze	499251175 499251250 499251325 499251400 499251500
				57 / 135 79 / 175 121 / 250 163 / 325	Chrome	499259135 499259175 499259250 499259325
				79 / 175 121 / 250 163 / 325 204 / 400 260 / 500	Natural Finish Bronze	499251175 499251250 499251325 499251400 499251500
				57 / 135 79 / 175 121 / 250 163 / 325	Chrome	499259135 499259175 499259250 499259325
80.6 / 5.6	11.05 / 0.435	79 / 175 121 / 250 163 / 325 204 / 400 260 / 500	Natural Finish Bronze	499251175 499251250 499251325 499251400 499251500		
		57 / 135 79 / 175 121 / 250 163 / 325	Chrome	499259135 499259175 499259250 499259325		



EA-1

TYPE EA-1 PART NUMBERING

49 7XX 1 175



Spray Angle

65 = 65°	80 = 80°	95 = 95°	10 = 110°
25 = 125°	40 = 140°	60 = 160°	81 = 180°

MODEL B-1 FOAM-WATER SPRINKLER

MODEL	K FACTOR	THREAD SIZE	FINISHING	ORIENTATION	TYCO PART NUMBER
B-1	43.2 / 3.0	1/2" NPT	Natural Bronze	Pendent	492111001
				Upright	492101001



B-1



MODEL FH-1A FLEXIBLE HOSE

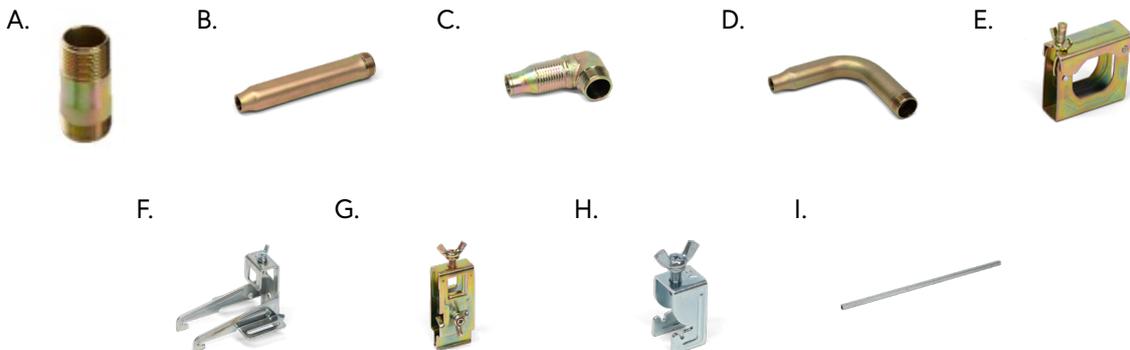
FLEXIBLE HOSE AND ACCESSORIES			
STYLE	OUTLET	NOMINAL LENGTHS	ORBITAL FIRE PRODUCT CODE
Braided	1/2" NPT	700mm Long Hose with 700mm Bar, Gate Bracket and 2 x Grid Tile Brackets 1,000mm Long Hose with 700mm Bar, Gate Bracket and 2 x Grid Tile Brackets 1,200mm Long Hose with 700mm Bar, Gate Bracket and 2 x Grid Tile Brackets 1,500mm Long Hose with 700mm Bar, Gate Bracket and 2 x Grid Tile Brackets 1,800mm Long Hose with 700mm Bar, Gate Bracket and 2 x Grid Tile Brackets	TYFH700 TYFH1000 TYFH1200 TYFH1500 TYFH1800

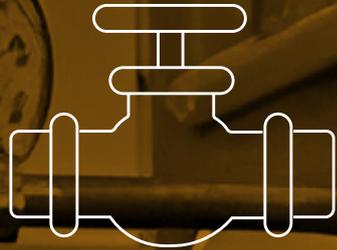


FH-1A


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 FH-1A

DESCRIPTION	SIZE	ORBITAL FIRE PRODUCT CODE
A. Inlet Nipple	3/4" NPT	TYHN
B. Straight Sprinkler Nozzle	110mm long - 3/8" NPT (10mm) outlet 110mm long - 1/2" NPT (15mm) outlet 110mm long - 3/4" NPT (20mm) outlet 150mm long - 1/2" NPT (15mm) outlet 200mm long - 1/2" NPT (15mm) outlet	TYFHN10-110 TYFHN15-110 TYFHN20-110 TYFHN15-150 TYFHN15-200
C. Short 90 Elbow Sprinkler Nozzle	110mm long - 1/2" NPT (15mm) outlet 150mm Long - 1/2" NPT (15mm) outlet	TYFHEN15-110 TYFHEN15-150
D. Long 90 Elbow Sprinkler Nozzle	200mm Long - 1/2" NPT (15mm) outlet	TYFHLEN15
E. Open Gate Center Bracket		TYFHOGCB
F. Rondo Tile Bracket	60mm 80mm	TYFHRB60 TYFHRB80
G. Grid Tile Bracket	68mm 105mm	TYFHTB68 TYFHTB105
H. Small Rondo Bracket		TYFHRBS
I. Flexi Bar	1,300 mm 1,600 mm	TYFHB1300 TYFHB1600





tyco

Valves

TYCO ALARM VALVE, MODEL AV-1-300

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
AV-1-300 TYCO Alarm Valve 65nb (2.5") Roll Grooved	522031120	TAV1-065
AV-1-300 TYCO Alarm Valve 100nb (4") Roll Grooved	522031113	TAV1-100
AV-1-300 TYCO Alarm Valve 150nb (6") Roll Grooved	522031115	TAV1-150
AV-1-300 TYCO Alarm Valve 200nb (8") Roll Grooved	522031916	TAV1-200



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TYCO ALARM VALVE AV-1-300 OVERHAUL KIT

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
Overhaul Repair Kit for 65nb (2.5") AV-1-300 TYCO Alarm Valve	922001216	TAV1-065-OH
Overhaul Repair Kit for 100nb (4") AV-1-300 TYCO Alarm Valve	922001416	TAV1-100-OH
Overhaul Repair Kit for 150nb (6") AV-1-300 TYCO Alarm Valve	922001620	TAV1-150-OH
Overhaul Repair Kit for 200nb (8") AV-1-300 TYCO Alarm Valve	922001816	TAV1-200-OH



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TYCO SERVICEABLE CHECK VALVE, MODEL CV-1F

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
CV-1F TYCO Servicable Check Valve 50nb (2") Roll Grooved	595900020	TCV1F-050
CV-1F TYCO Servicable Check Valve 65nb (2.5") Roll Grooved	595900076	TCV1F-065
CV-1F TYCO Servicable Check Valve 80nb (3") Roll Grooved	595900030	TCV1F-080
CV-1F TYCO Servicable Check Valve 100nb (4") Roll Grooved	595900040	TCV1F-100
CV-1F TYCO Servicable Check Valve 150nb (6") Roll Grooved	595900165	TCV1F-150
CV-1F TYCO Servicable Check Valve 200nb (8") Roll Grooved	595900080	TCV1F-200
CV-1F TYCO Servicable Check Valve 250nb (10") Roll Grooved	595900100	TCV1F-250



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**TYCO MONITORED BUTTERFLY VALVE
NORMALLY OPEN, MODEL BFV-300**

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
BFV-300 TYCO Butterfly Valve 50nb (2") Roll Grooved	59300G020WS	TBFVNO-050
BFV-300 TYCO Butterfly Valve 65nb (2.5") Roll Grooved	59300G026WS	TBFVNO-065
BFV-300 TYCO Butterfly Valve 80nb (3") Roll Grooved	59300G030WS	TBFVNO-080
BFV-300 TYCO Butterfly Valve 100nb (4") Roll Grooved	59300G040WS	TBFVNO-100
BFV-300 TYCO Butterfly Valve 150nb (6") Roll Grooved	59300G066WS	TBFVNO-150
BFV-300 TYCO Butterfly Valve 200nb (8") Roll Grooved	59300G080WS	TBFVNO-200
BFV-300 TYCO Butterfly Valve 250nb (10") Roll Grooved	59300G100WS	TBFVNO-250



**TYCO MONITORED BUTTERFLY VALVE
NORMALLY CLOSED, MODEL BFV-300**

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
BFV-300 TYCO Butterfly Valve 50nb (2") Roll Grooved	59300G020WSC	TBFVNC-050
BFV-300 TYCO Butterfly Valve 65nb (2.5") Roll Grooved	59300G026WSC	TBFVNC-065
BFV-300 TYCO Butterfly Valve 80nb (3") Roll Grooved	59300G030WSC	TBFVNC-080
BFV-300 TYCO Butterfly Valve 100nb (4") Roll Grooved	59300G040WSC	TBFVNC-100
BFV-300 TYCO Butterfly Valve 150nb (6") Roll Grooved	59300G066WSC	TBFVNC-150
BFV-300 TYCO Butterfly Valve 200nb (8") Roll Grooved	59300G080WSC	TBFVNC-200
BFV-300 TYCO Butterfly Valve 250nb (10") Roll Grooved	59300G100WSC	TBFVNC-250



TEST AND DRAIN VALVE

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
Tyco TD-2 Test and Drain Valve 32mm	5940100	TD-2



TYCO PRESSURE GAUGE

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
Tyco Pressure Gauge 2,000 kPa / 300 psi	923431005	TPG300



TYCO WATER MOTOR ALARM KIT - ALARM GONG

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TYCO Model WMA-1 Water Motor Alarm Kit	12004	TGONG



TYCO OS&Y GATE VALVE, SERIES TJR

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TYCO Gate Valve (OS&Y) 50nb (2") Roll Grooved	TJRG0500604	TJRGVRG-050
TYCO Gate Valve (OS&Y) 65nb (2.5") Roll Grooved	TJRG0650764	TJRGVRG-065
TYCO Gate Valve (OS&Y) 80nb (3") Roll Grooved	TJRG0800894	TJRGVRG-080
TYCO Gate Valve (OS&Y) 100nb (4") Roll Grooved	TJRG1001144	TJRGVRG-100
TYCO Gate Valve (OS&Y) 150nb (6") Roll Grooved	TJRG1501654	TJRGVRG-150
TYCO Gate Valve (OS&Y) 200nb (8") Roll Grooved	TJRG2002194	TJRGVRG-200
TYCO Gate Valve (OS&Y) 250nb (10") Roll Grooved	TJRG2502734	TJRGVRG-250
TYCO Gate Valve (OS&Y) 300nb (12") Roll Grooved	TJRG3003244	TJRGVRG-300



* Flanged ends gate valves also available on request



TYCO OS&Y GATE VALVE SUPERVISORY SWITCH, MODEL TOSY-2

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TOSY-2 Outside Screw & Yolk Supervisory Switch (Double)	300202	TOSY-2



TYCO FLOW SWITCH

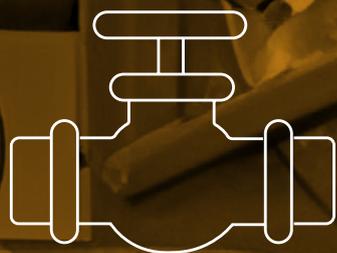
Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
TF010 TYCO Flow Switch 25nb (1")	600010	TFS025
TF012 TYCO Flow Switch 32nb (1 1/4")	600012	TFS032
TF015 TYCO Flow Switch 40nb (1 1/2")	600015	TFS040
TF020 TYCO Flow Switch 50nb (2")	600020	TFS050
TF025 TYCO Flow Switch 65nb (2.5")	600025	TFS065
TF030 TYCO Flow Switch 80nb (3")	600030	TFS080
TF040 TYCO Flow Switch 100nb (4")	600040	TFS100
TF060 TYCO Flow Switch 150nb (6")	600060	TFS150
TF080 TYCO Flow Switch 200nb (8")	600080	TFS200
TF100 TYCO Flow Switch 250nb (10")	600100	TFS250



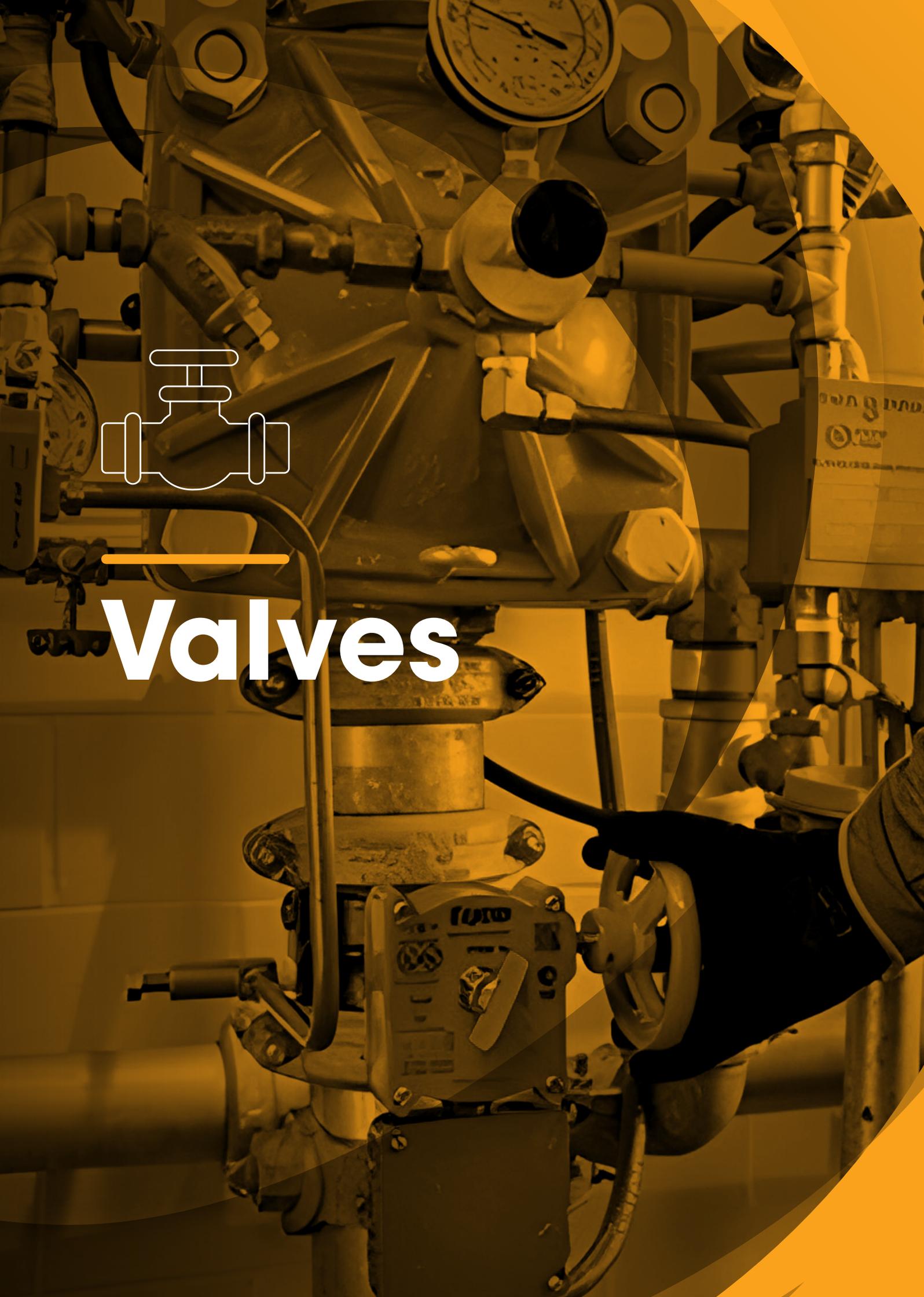
RISER MANIFOLD

Description	TYCO PART NUMBER	ORBITAL FIRE PRODUCT CODE
Tyco RM-2 Riser Manifold 50mm	5940601	TRM2-050
Tyco RM-2 Riser Manifold 65mm	5940611	TRM2-065
Tyco RM-2 Riser Manifold 80mm	5940621	TRM2-080
Tyco RM-2 Riser Manifold 100mm	5940651	TRM2-100
Tyco RM-2 Riser Manifold 150mm	5940661	TRM2-100





Valves



3 WAY GLOBE VALVE (FOR PRESSURE GAUGE)

Description	ORBITAL FIRE PRODUCT CODE
3 Way Globe Valve 8mm Bronze	3WGV-8



BRASS BALL VALVE

Description	ORBITAL FIRE PRODUCT CODE
Brass Ball Valve 15mm BSP Female	BBV015
Brass Ball Valve 20mm BSP Female	BBV020
Brass Ball Valve 25mm BSP Female	BBV025
Brass Ball Valve 32mm BSP Female	BBV032
Brass Ball Valve 40mm BSP Female	BBV040
Brass Ball Valve 50mm BSP Female	BBV050
Brass Lockable Ball Valve 15mm BSP Male & Female	BLBV015
Brass Lockable Ball Valve 20mm BSP Male & Female	BLBV020
Brass Lockable Ball Valve 25mm BSP Male & Female	BLBV025
Brass Lockable Ball Valve 32mm BSP Male & Female	BLBV032
Brass Lockable Ball Valve 40mm BSP Male & Female	BLBV040
Brass Lockable Ball Valve 50mm BSP Male & Female	BLBV050
Brass Ball Valve 15mm Tee Handle BSP Female	BBVT015
Brass Ball Valve 20mm Tee Handle BSP Female	BBVT020
Brass Ball Valve 25mm Tee Handle BSP Female	BBVT025
Brass Ball Valve 15mm Tee Handle BSP Male & Female	BBVTMF015
Brass Ball Valve 20mm Tee Handle BSP Male & Female	BBVTMF020
Brass Ball Valve 25mm Tee Handle BSP Male & Female	BBVTMF025



BRASS INLINE Y STRAINER	
Description	ORBITAL FIRE PRODUCT CODE
Brass Inline Y Strainer 15mm	BYS015
Brass Inline Y Strainer 20mm	BYS020
Brass Inline Y Strainer 25mm	BYS025
Brass Inline Y Strainer 32mm	BYS032
Brass Inline Y Strainer 40mm	BYS040
Brass Inline Y Strainer 50mm	BYS050



BRASS SPRING CHECK VALVE	
Description	ORBITAL FIRE PRODUCT CODE
Brass Spring Check Valve 15mm	BSPCV015
Brass Spring Check Valve 20mm	BSPCV020
Brass Spring Check Valve 25mm	BSPCV025
Brass Spring Check Valve 32mm	BSPCV032
Brass Spring Check Valve 40mm	BSPCV040
Brass Spring Check Valve 50mm	BSPCV050



BRASS SWING CHECK VALVE	
Description	ORBITAL FIRE PRODUCT CODE
Brass Swing Check Valve 15mm	BSWCV015
Brass Swing Check Valve 20mm	BSWCV020
Brass Swing Check Valve 25mm	BSWCV025
Brass Swing Check Valve 32mm	BSWCV032
Brass Swing Check Valve 40mm	BSWCV040
Brass Swing Check Valve 50mm	BSWCV050
Brass Swing Check Valve 65mm	BSWCV065



WILKINS BACKFLOW PREVENTER UNIT

Description	ORBITAL FIRE PRODUCT CODE
100mm Stainless Steel Double Check Unit RG Ends	WBFPU100
150mm Stainless Steel Double Check Unit RG Ends	WBFPU150
200mm Stainless Steel Double Check Unit RG Ends	WBFPU200
100mm Stainless Steel Double Check Unit RG Ends c/w Bypass and Kent Elster Water Meter	WBFPU100B
150mm Stainless Steel Double Check Unit RG Ends c/w Bypass and Kent Elster Water Meter	WBFPU150B
200mm Stainless Steel Double Check Unit RG Ends c/w Bypass and Kent Elster Water Meter	WBFPU200B



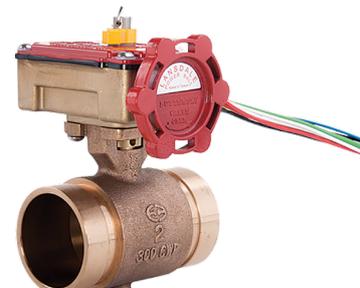
HYDRANT LANDING VALVE

Description	ORBITAL FIRE PRODUCT CODE
65mm Lockable Ball Valve Stainless Steel Handle Female	LBVSH065
65mm Hydrant Outlet Instantaneous Coupling Aluminium	HOICA
65mm Hydrant Outlet Instantaneous Coupling Gun Metal	HOICGM



BRONZE MONITORED BUTTERFLY VALVE

Description	ORBITAL FIRE PRODUCT CODE
25nb Bronze Monitored Butterfly Valve BSP Threaded Ends	BBFV025BSPT
32nb Bronze Monitored Butterfly Valve BSP Threaded Ends	BBFV032BSPT
40nb Bronze Monitored Butterfly Valve BSP Threaded Ends	BBFV040BSPT
50nb Bronze Monitored Butterfly Valve BSP Threaded Ends	BBFV050BSPT
25nb Bronze Monitored Butterfly Valve RG Ends	BBFV025RG
32nb Bronze Monitored Butterfly Valve RG Ends	BBFV032RG
40nb Bronze Monitored Butterfly Valve RG Ends	BBFV040RG
50nb Bronze Monitored Butterfly Valve RG Ends	BBFV050RG



HYDRANT INLET COUPLER

Description	ORBITAL FIRE PRODUCT CODE
Hydrant Inlet Brass Clapper	HIBC



PRESSURE RELIEF VALVE

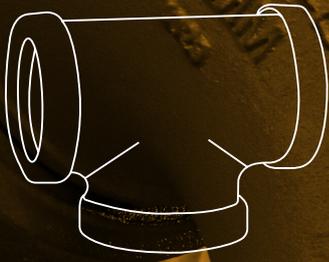
Description	ORBITAL FIRE PRODUCT CODE
Pressure Relief Valve Series LF530C 15mm, 50-175 psi	PRVLF530C-175



INSPECTOR'S TEST AND DRAIN VALVE

Description	ORBITAL FIRE PRODUCT CODE
Inspector's Test and Drain Valve 25mm	TNDV-H61





Galv Malleable Fittings



90° GALVANISED MALLEABLE BANDED EQUAL ELBOW

Code	Description
GM-E8	8nb Elbows 90° Banded Equal
GM-E10	10nb Elbows 90° Banded Equal
GM-E15	15nb Elbows 90° Banded Equal
GM-E20	20nb Elbows 90° Banded Equal
GM-E25	25nb Elbows 90° Banded Equal
GM-E32	32nb Elbows 90° Banded Equal
GM-E40	40nb Elbows 90° Banded Equal
GM-E50	50nb Elbows 90° Banded Equal
GM-E65	65nb Elbows 90° Banded Equal

*Black finished fittings also available for all sizes.



90° GALVANISED MALLEABLE BANDED MALE & FEMALE EQUAL

Code	Description
GM-EF8	8nb Elbows 90° Banded M&F Equal
GM-EF10	10nb Elbows 90° Banded M&F Equal
GM-EF15	15nb Elbows 90° Banded M&F Equal
GM-EF20	20nb Elbows 90° Banded M&F Equal
GM-EF25	25nb Elbows 90° Banded M&F Equal
GM-EF32	32nb Elbows 90° Banded M&F Equal
GM-EF40	40nb Elbows 90° Banded M&F Equal
GM-EF50	50nb Elbows 90° Banded M&F Equal
GM-EF65	65nb Elbows 90° Banded M&F Equal

*Other sizes and finishes available on request



GALVANISED MALLEABLE EQUAL TEE	
Code	Description
GM-T10	10nb Equal Tee
GM-T15	15nb Equal Tee
GM-T20	20nb Equal Tee
GM-T25	25nb Equal Tee
GM-T32	32nb Equal Tee
GM-T40	40nb Equal Tee
GM-T50	50nb Equal Tee
GM-T65	65nb Equal Tee

*Other sizes and finishes available on request



GALVANISED MALLEABLE CROSS TEE	
Code	Description
GM-X15	15nb Cross Tee
GM-X20	20nb Cross Tee
GM-X25	25nb Cross Tee
GM-X32	32nb Cross Tee
GM-X40	40nb Cross Tee
GM-X50	50nb Cross Tee

*Other sizes and finishes available on request



45° GALVANISED MALLEABLE BANDED EQUAL ELBOWS

Code	Description
GM-45E15	15nb Elbows 45° Banded Equal
GM-45E20	20nb Elbows 45° Banded Equal
GM-45E25	25nb Elbows 45° Banded Equal
GM-45E32	32nb Elbows 45° Banded Equal
GM-45E40	40nb Elbows 45° Banded Equal
GM-45E50	50nb Elbows 45° Banded Equal
GM-45E65	65nb Elbows 45° Banded Equal

*Other sizes and finishes available on request



45° GALVANISED MALLEABLE MALE AND FEMALE EQUAL ELBOWS

Code	Description
GM-45EF15	15nb Elbows 45° Male And Female Equal
GM-45EF20	20nb Elbows 45° Male And Female Equal
GM-45EF25	25nb Elbows 45° Male And Female Equal
GM-45EF32	32nb Elbows 45° Male And Female Equal
GM-45EF40	40nb Elbows 45° Male And Female Equal
GM-45EF50	50nb Elbows 45° Male And Female Equal
GM-45EF65	65nb Elbows 45° Male And Female Equal

*Other sizes and finishes available on request



GALVANISED MALLEABLE ELBOW 90° BANDED REDUCING

Code	Description
GM-RE25X10	25nb x 10nb Elbow 90° Banded Reducing
GM-RE25X15	25nb x 15nb Elbow 90° Banded Reducing
GM-RE25X20	25nb x 20nb Elbow 90° Banded Reducing
GM-RE32X15	32nb x 15nb Elbow 90° Banded Reducing
GM-RE32X20	32nb x 20nb Elbow 90° Banded Reducing
GM-RE32X25	32nb x 25nb Elbow 90° Banded Reducing
GM-RE40X15	40nb x 15nb Elbow 90° Banded Reducing
GM-RE40X20	40nb x 20nb Elbow 90° Banded Reducing
GM-RE40X25	40nb x 25nb Elbow 90° Banded Reducing
GM-RE40X32	40nb x 32nb Elbow 90° Banded Reducing
GM-RE50X15	50nb x 15nb Elbow 90° Banded Reducing
GM-RE50X20	50nb x 20nb Elbow 90° Banded Reducing
GM-RE50X25	50nb x 25nb Elbow 90° Banded Reducing
GM-RE50X32	50nb x 32nb Elbow 90° Banded Reducing
GM-RE50X40	50nb x 40nb Elbow 90° Banded Reducing

*Other sizes and finishes available on request





**GALVANISED MALLEABLE BULLHEAD REDUCING TEE
(LEFT - RIGHT - MID)**

Code	Description	Code	Description
GM-BT25X15X25	25nb x 15nb x 25nb Bullhead Reducing Tee	GM-BT40X32X32	40nb x 32nb x 32nb Bullhead Reducing Tee
GM-BT25X25X32	25nb x 25nb x 32nb Bullhead Reducing Tee	GM-BT40X32X40	40nb x 32nb x 40nb Bullhead Reducing Tee
GM-BT25X25X40	25nb x 25nb x 40nb Bullhead Reducing Tee	GM-BT40X32X50	40nb x 32nb x 50nb Bullhead Reducing Tee
GM-BT25X25X50	25nb x 25nb x 50nb Bullhead Reducing Tee	GM-BT40X40X50	40nb x 40nb x 50nb Bullhead Reducing Tee
GM-BT32X15X25	32nb x 15nb x 25nb Bullhead Reducing Tee	GM-BT50X25X25	50nb x 25nb x 25nb Bullhead Reducing Tee
GM-BT32X15X32	32nb x 15nb x 32nb Bullhead Reducing Tee	GM-BT50X25X40	50nb x 25nb x 40nb Bullhead Reducing Tee
GM-BT32X25X15	32nb x 25nb x 15nb Bullhead Reducing Tee	GM-BT50X25X50	50nb x 25nb x 50nb Bullhead Reducing Tee
GM-BT32X25X25	32nb x 25nb x 25nb Bullhead Reducing Tee	GM-BT50X32X15	50nb x 32nb x 15nb Bullhead Reducing Tee
GM-BT32X25X32	32nb x 25nb x 32nb Bullhead Reducing Tee	GM-BT50X32X20	50nb x 32nb x 20nb Bullhead Reducing Tee
GM-BT32X32X40	32nb x 32nb x 40nb Bullhead Reducing Tee	GM-BT50X32X25	50nb x 32nb x 25nb Bullhead Reducing Tee
GM-BT32X32X50	32nb x 32nb x 50nb Bullhead Reducing Tee	GM-BT50X32X50	50nb x 32nb x 50nb Bullhead Reducing Tee
GM-BT40X15X40	40nb x 15nb x 40nb Bullhead Reducing Tee	GM-BT50X40X15	50nb x 40nb x 15nb Bullhead Reducing Tee
GM-BT40X20X40	40nb x 20nb x 40nb Bullhead Reducing Tee	GM-BT50X40X20	50nb x 40nb x 20nb Bullhead Reducing Tee
GM-BT40X25X40	40nb x 25nb x 40nb Bullhead Reducing Tee	GM-BT50X40X25	50nb x 40nb x 25nb Bullhead Reducing Tee
GM-BT40X32X15	40nb x 32nb x 15nb Bullhead Reducing Tee	GM-BT50X40X32	50nb x 40nb x 32nb Bullhead Reducing Tee
GM-BT40X32X20	40nb x 32nb x 20nb Bullhead Reducing Tee	GM-BT50X40X40	50nb x 40nb x 40nb Bullhead Reducing Tee
GM-BT40X32X25	40nb x 32nb x 25nb Bullhead Reducing Tee	GM-BT50X40X50	50nb x 40nb x 50nb Bullhead Reducing Tee

*Other sizes and finishes available on request



GALVANISED MALLEABLE TEES BANDED REDUCING	
Code	Description
GM-RT25X10	25nb x 10nb Tees Banded Reducing
GM-RT25X15	25nb x 15nb Tees Banded Reducing
GM-RT25X20	25nb x 20nb Tees Banded Reducing
GM-RT32X15	32nb x 15nb Tees Banded Reducing
GM-RT32X20	32nb x 20nb Tees Banded Reducing
GM-RT32X25	32nb x 25nb Tees Banded Reducing
GM-RT40X15	40nb x 15nb Tees Banded Reducing
GM-RT40X20	40nb x 20nb Tees Banded Reducing
GM-RT40X25	40nb x 25nb Tees Banded Reducing
GM-RT40X32	40nb x 32nb Tees Banded Reducing
GM-RT50X15	50nb x 15nb Tees Banded Reducing
GM-RT50X20	50nb x 20nb Tees Banded Reducing
GM-RT50X25	50nb x 25nb Tees Banded Reducing
GM-RT50X32	50nb x 32nb Tees Banded Reducing
GM-RT50X40	50nb x 40nb Tees Banded Reducing

*Other sizes and finishes available on request



GALVANISED MALLEABLE BUSHING			
Code	Description	Code	Description
GM-B10X8	10nb x 8nb Bushing	GM-B40X20	40nb x 20nb Bushing
GM-B15X10	15nb x 10nb Bushing	GM-B40X25	40nb x 25nb Bushing
GM-B15X8	15nb x 8nb Bushing	GM-B40X32	40nb x 32nb Bushing
GM-B20X10	20nb x 10nb Bushing	GM-B50X15	50nb x 15nb Bushing
GM-B20X15	20nb x 15nb Bushing	GM-B50X20	50nb x 20nb Bushing
GM-B25X10	25nb x 10nb Bushing	GM-B50X25	50nb x 25nb Bushing
GM-B25X15	25nb x 15nb Bushing	GM-B50X32	50nb x 32nb Bushing
GM-B25X20	25nb x 20nb Bushing	GM-B50X40	50nb x 40nb Bushing
GM-B32X15	32nb x 15nb Bushing	GM-B65X50	65nb x 50nb Bushing
GM-B32X20	32nb x 20nb Bushing	GM-B80X65	80nb x 65nb Bushing
GM-B32X25	32nb x 25nb Bushing	GM-B100X50	100nb x 50nb Bushing
GM-B40X15	40nb x 15nb Bushing	GM-B100X80	100nb x 80nb Bushing

*Other sizes and finishes available on request



GALVANISED MALLEABLE MALE AND FEMALE SOCKET (ADAPTER)	
Code	Description
GM-SF15	15nb Male And Female Socket (Adapter)
GM-SF20	20nb Male And Female Socket (Adapter)
GM-SF25	25nb Male And Female Socket (Adapter)
GM-SF32	32nb Male And Female Socket (Adapter)
GM-SF40	40nb Male And Female Socket (Adapter)
GM-SF50	50nb Male And Female Socket (Adapter)

*Other sizes and finishes available on request





GALVANISED MALLEABLE REDUCING HEX NIPPLE	
Code	Description
GM-RHN15X8	15nb x 8nb Reducing Hex Nipple
GM-RHN15X10	15nb x 10nb Reducing Hex Nipple
GM-RHN25X15	25nb x 15nb Reducing Hex Nipple
GM-RHN25X20	25nb x 20nb Reducing Hex Nipple
GM-RHN32X15	32nb x 15nb Reducing Hex Nipple
GM-RHN32X20	32nb x 20nb Reducing Hex Nipple
GM-RHN32X25	32nb x 25nb Reducing Hex Nipple
GM-RHN40X15	40nb x 15nb Reducing Hex Nipple
GM-RHN40X20	40nb x 20nb Reducing Hex Nipple
GM-RHN40X25	40nb x 25nb Reducing Hex Nipple
GM-RHN40X32	40nb x 32nb Reducing Hex Nipple
GM-RHN50X15	50nb x 15nb Reducing Hex Nipple
GM-RHN50X20	50nb x 20nb Reducing Hex Nipple
GM-RHN50X25	50nb x 25nb Reducing Hex Nipple
GM-RHN50X32	50nb x 32nb Reducing Hex Nipple
GM-RHN50X40	50nb x 40nb Reducing Hex Nipple
GM-RHN65X25	65nb x 25nb Reducing Hex Nipple
GM-RHN65X32	65nb x 32nb Reducing Hex Nipple
GM-RHN65X40	65nb x 40nb Reducing Hex Nipple
GM-RHN65X50	65nb x 50nb Reducing Hex Nipple

*Other sizes and finishes available on request

GALVANISED MALLEABLE REDUCING SOCKET	
Code	Description
GM-RS15X8	15nb x 08nb Reducing Socket
GM-RS15X10	15nb x 10nb Reducing Socket
GM-RS25X10	25nb x 10nb Reducing Socket
GM-RS25X15	25nb x 15nb Reducing Socket
GM-RS25X20	25nb x 20nb Reducing Socket
GM-RS32X15	32nb x 15nb Reducing Socket
GM-RS32X20	32nb x 20nb Reducing Socket
GM-RS32X25	32nb x 25nb Reducing Socket
GM-RS40X20	40nb x 20nb Reducing Socket
GM-RS40X25	40nb x 25nb Reducing Socket
GM-RS40X32	40nb x 32nb Reducing Socket
GM-RS50X15	50nb x 15nb Reducing Socket
GM-RS50X20	50nb x 20nb Reducing Socket
GM-RS50X25	50nb x 25nb Reducing Socket
GM-RS50X32	50nb x 32nb Reducing Socket
GM-RS50X40	50nb x 40nb Reducing Socket
GM-RS65X50	65nb x 50nb Reducing Socket

*Other sizes and finishes available on request

GALVANISED MALLEABLE EQUAL SOCKETS

Code	Description
GM-S10	10nb Equal Sockets
GM-S15	15nb Equal Sockets
GM-S20	20nb Equal Sockets
GM-S25	25nb Equal Sockets
GM-S32	32nb Equal Sockets
GM-S40	40nb Equal Sockets
GM-S50	50nb Equal Sockets
GM-S65	65nb Equal Sockets

*Other sizes and finishes available on request



GALVANISED MALLEABLE FLANGE E TYPE

Code	Description
GM-F25	25mm Flange E Type
GM-F32	32mm Flange E Type
GM-F40	40mm Flange E Type
GM-F50	50mm Flange E Type
GM-F65	65mm Flange E Type

*Other sizes and finishes available on request



GALVANISED MALLEABLE HEX NIPPLE

Code	Description
GM-HN8	8nb Hex Nipple
GM-HN10	10nb Hex Nipple
GM-HN15	15nb Hex Nipple
GM-HN20	20nb Hex Nipple
GM-HN25	25nb Hex Nipple
GM-HN32	32nb Hex Nipple
GM-HN40	40nb Hex Nipple
GM-HN50	50nb Hex Nipple
GM-HN65	65nb Hex Nipple

*Other sizes and finishes available on request



GALVANISED MALLEABLE ROUND CAP	
Code	Description
GM-C10	10nb Round Cap
GM-C15	15nb Round Cap
GM-C20	20nb Round Cap
GM-C25	25nb Round Cap
GM-C32	32nb Round Cap
GM-C40	40nb Round Cap
GM-C50	50nb Round Cap
GM-C65	65nb Round Cap

*Other sizes and finishes available on request



GALVANISED MALLEABLE PLAIN PLUG	
Code	Description
GM-P8	8nb Plain Plug
GM-P10	10nb Plain Plug
GM-P15	15nb Plain Plug
GM-P20	20nb Plain Plug
GM-P25	25nb Plain Plug
GM-P32	32nb Plain Plug
GM-P40	40nb Plain Plug
GM-P50	50nb Plain Plug
GM-P65	65nb Plain Plug

*Other sizes and finishes available on request



GALVANISED MALLEABLE UNION TAPER SEAT	
Code	Description
GM-UT15	15mm Union Taper Seat
GM-UT20	20mm Union Taper Seat
GM-UT25	25mm Union Taper Seat
GM-UT32	32mm Union Taper Seat
GM-UT40	40mm Union Taper Seat
GM-UT50	50mm Union Taper Seat

*Other sizes and finishes available on request

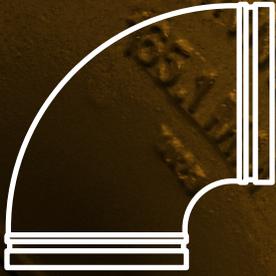




GALVINISED BARREL NIPPLE

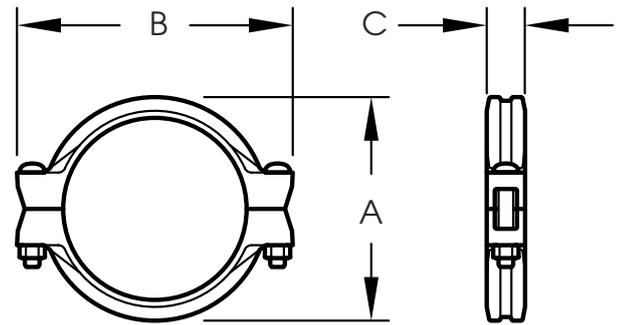
Code	Description	Code	Description
GM-BN10CT	10nb Barrel Nipple Close Taper	GM-BN32CT	32nb Barrel Nipple Close Taper
GM-BN10X20	10nb Galvanised Barrel Nipple 20mm Long	GM-BN32X20	32nb Galvanised Barrel Nipple 20mm Long
GM-BN10X40	10nb Galvanised Barrel Nipple 40mm Long	GM-BN32X40	32nb Galvanised Barrel Nipple 40mm Long
GM-BN10X60	10nb Galvanised Barrel Nipple 60mm Long	GM-BN32X60	32nb Galvanised Barrel Nipple 60mm Long
GM-BN10X80	10nb Galvanised Barrel Nipple 80mm Long	GM-BN32X80	32nb Galvanised Barrel Nipple 80mm Long
GM-BN10X100	10nb Galvanised Barrel Nipple 100mm Long	GM-BN32X100	32nb Galvanised Barrel Nipple 100mm Long
GM-BN15CT	15nb Barrel Nipple Close Taper	GM-BN40CT	40nb Barrel Nipple Close Taper
GM-BN15X20	15nb Galvanised Barrel Nipple 20mm Long	GM-BN40X20	40nb Galvanised Barrel Nipple 20mm Long
GM-BN15X40	15nb Galvanised Barrel Nipple 40mm Long	GM-BN40X40	40nb Galvanised Barrel Nipple 40mm Long
GM-BN15X60	15nb Galvanised Barrel Nipple 60mm Long	GM-BN40X60	40nb Galvanised Barrel Nipple 60mm Long
GM-BN15X80	15nb Galvanised Barrel Nipple 80mm Long	GM-BN40X80	40nb Galvanised Barrel Nipple 80mm Long
GM-BN15X100	15nb Galvanised Barrel Nipple 100mm Long	GM-BN40X100	40nb Galvanised Barrel Nipple 100mm Long
GM-BN20CT	20nb Barrel Nipple Close Taper	GM-BN50CT	50nb Barrel Nipple Close Taper
GM-BN20X20	20nb Galvanised Barrel Nipple 20mm Long	GM-BN50X20	50nb Galvanised Barrel Nipple 20mm Long
GM-BN20X40	20nb Galvanised Barrel Nipple 40mm Long	GM-BN50X40	50nb Galvanised Barrel Nipple 40mm Long
GM-BN20X60	20nb Galvanised Barrel Nipple 60mm Long	GM-BN50X60	50nb Galvanised Barrel Nipple 60mm Long
GM-BN20X80	20nb Galvanised Barrel Nipple 80mm Long	GM-BN50X80	50nb Galvanised Barrel Nipple 80mm Long
GM-BN20X100	20nb Galvanised Barrel Nipple 100mm Long	GM-BN50X100	50nb Galvanised Barrel Nipple 100mm Long
GM-BN25CT	25nb Barrel Nipple Close Taper	GM-BN65CT	65nb Barrel Nipple Close Taper
GM-BN25X20	25nb Galvanised Barrel Nipple 20mm Long	GM-BN65X20	65nb Galvanised Barrel Nipple 20mm Long
GM-BN25X40	25nb Galvanised Barrel Nipple 40mm Long	GM-BN65X40	65nb Galvanised Barrel Nipple 40mm Long
GM-BN25X60	25nb Galvanised Barrel Nipple 60mm Long	GM-BN65X60	65nb Galvanised Barrel Nipple 60mm Long
GM-BN25X80	25nb Galvanised Barrel Nipple 80mm Long	GM-BN65X80	65nb Galvanised Barrel Nipple 80mm Long
GM-BN25X100	25nb Galvanised Barrel Nipple 100mm Long	GM-BN65X100	65nb Galvanised Barrel Nipple 100mm Long

*Other sizes and finishes available on request



Grinnell® Roll Groove





Grinnell®



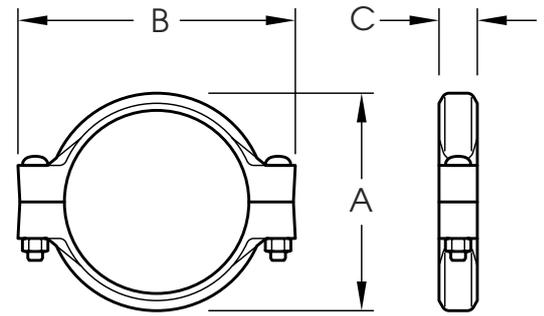
Figure 577 G-FIRE Rigid Couplings are a proven dependable method of joining pipe and are an economical alternative to welding, threading, or using flanges. It is capable of pressures up to 24.1 bar (350 psi) depending on pipe size and wall thickness when used in fire protection services.

The Figure 577 G-FIRE Rigid Coupling features a EPDM gasket suitable for fire applications. All hardware is HDG.

GALVANISED RIGID COUPLING - GRINNELL FIGURE 577

TYCO Part Number	Pipe Size			Max Pressures (Bar)	Dimensions (mm)			Approx Weight (kg)
	Nominal (mm)	Nominal (In.)	O.D. (mm)		A	B	C	
577GA00342	25	1	33.7	24.1	41	100	42	0.55
577GA00422	32	1 1/4	42.4	24.1	68	112	42	0.59
577GA00482	40	1 1/2	48.3	24.1	74	118	42	0.68
577GA00602	50	2	60.3	24.1	86	132	43	0.82
577GA00762	65	2 1/2	76.1	24.1	102	147	44	0.91
577GA00892	80	3	88.9	20.7	114	161	44	1.50
577GA01142	100	4	114.3	20.7	145	191	46	1.50
577GA01652	150	6	165.1	20.7	198	248	49	2.59
577GA02192	200	8	219.1	20.7	260	325	61	5.32
577GA02732	250	10	273	12.1	318	419	65	8.86
577GA03242	300	12	323.9	12.1	368	470	65	10.00

Grinnell Figure 577 Rigid Couplings with Grade "A" Pre-Lube Gasket and HDG Hardware



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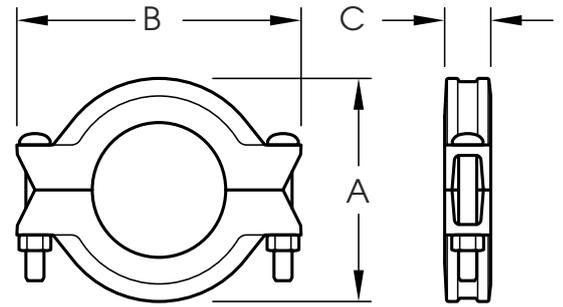
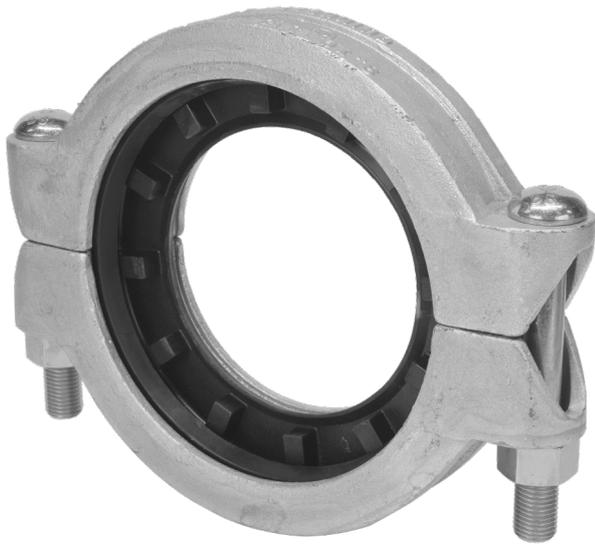
The GRINNELL Figure 705 Flexible Coupling allows for angular and linear deflection, thermal expansion and contraction, and misalignments of pipe. It is capable of pressures up to 20.7 Bar (300 psi), depending on pipe size and wall thickness. Suitable for use in a variety of applications, the Figure 705 Coupling provides a dependable method of joining pipe.

The Figure 705 G-FIRE Rigid Coupling features a EPDM gasket suitable for fire applications. All hardware is HDG.

GALVANISED FLEXIBLE COUPLING - GRINNELL FIGURE 705

TYCO Part Number	Pipe Size			Max Pressure (Bar)	Deflection		Dimensions (mm)			Approx. Weight (kg)
	Nominal (mm)	Nominal (In.)	O.D. (mm)		Degrees Per Coupling	mm/m	A	B	C	
705GA00342	25	1	33.7	20.7	5° 30'	96.7	56.9	100.1	46	0.6
705GA00422	32	1 1/4	42.4	20.7	4° 19'	75	65	106.4	46	0.8
705GA00482	40	1 1/2	48.3	20.7	3° 46'	65.8	69.9	112.8	46	0.8
705GA00602	50	2	60.3	20.7	3° 1'	52.5	82.6	124	47.8	0.8
705GA00762	65	2 1/2	76.1	20.7	2° 23'	41.7	101.6	146.1	47.8	1.4
705GA00892	80	3	88.9	20.7	2° 3'	35.8	111.3	165.1	47.8	1.5
705GA01142	100	4	114.3	20.7	3° 11'	55.6	144.5	196.9	52.3	1.8
705GA01652	150	6	165.1	20.7	2° 12'	38.3	196.9	271.5	52.3	3.2
705GA02192	200	8	219.1	20.7	1° 40'	29.2	258.8	344.4	63.5	5.4
705GA02732	250	10	273	17.2	1° 20'	23.3	322.3	416.1	66.8	12.2
705GA03242	300	12	323.9	17.2	1° 7'	19.5	379.5	479.6	66.8	14.6

Grinnell Figure 577 Rigid Couplings with Grade "A" Pre-Lube Gasket and HDG Hardware



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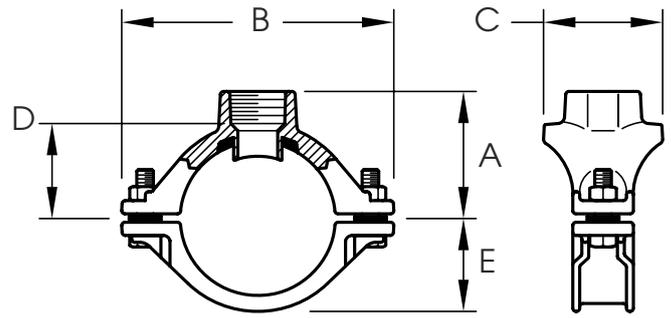
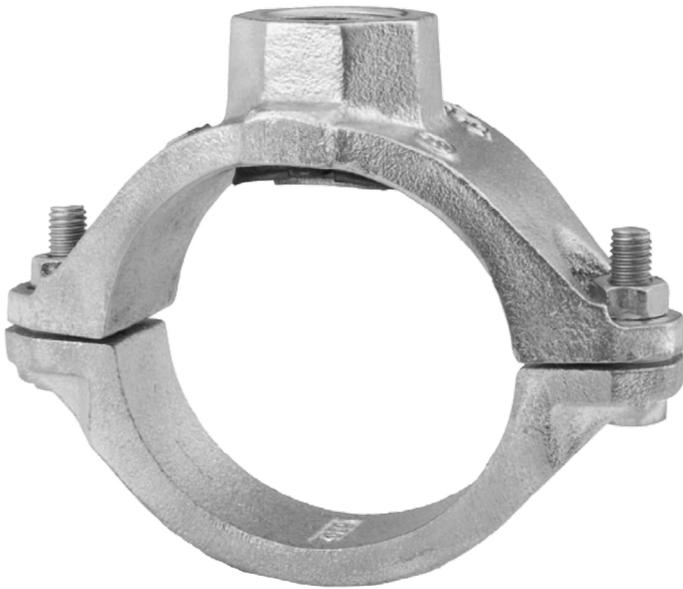


The GRINNELL Figure 716 Flexible Reducing Coupling allows for a direct transition between two different pipe sizes and replaces two couplings and a reducing fitting. It is capable of pressures up to 24.1 Bar (350 psi) depending on pipe size and wall thickness. A flexible reducing coupling is not recommended for low-temperature applications.

GALVANISED REDUCING COUPLING - GRINNELL FIGURE 716

TYCO Part Number	Pipe Size			Max Pressure (Bar)	Deflection		Dimensions (mm)			Approx. Weight (kg)
	Nominal (mm)	Nominal (In.)	O.D. (mm)		Degrees Per Coupling	mm/m	A	B	C	
716AE20152	50 x 40	2 x 1-1/2	60.3 x 48.3	24.1	1° 53'	32.9	88.9	128.5	47.8	1.3
716ME26202	65 x 50	2-1/2 x 2	76.1 x 60.3	24.1	1° 34'	27.3	106.4	149.4	47.8	1.5
716AE30202	80 x 50	3 x 2	88.9 x 60.3	24.1	1° 17'	22.4	119.1	165.1	47.8	2.0
716ME30262	80 x 65	3 x 2-1/2	88.9 x 76.1	24.1	1° 17'	22.4	119.1	165.1	47.8	1.9
716AE42202	100 x 60	4 x 2	114.3 x 60.3	24.1	2° 38'	46	152.4	206.5	50.8	2.4
716ME42262	100 x 65	4 x 2-1/2	114.3 x 76.1	24.1	2° 38'	46	152.4	206.5	50.8	2.8
716AE42302	100 x 80	4 x 3	114.3 x 88.9	24.1	2° 38'	46	152.4	206.5	50.8	2.8
716ME62422	150 x 100	6 x 4	165.1 x 114.3	20.7	1° 50'	32	207.8	274.6	52.3	5.8
716AE80632	200 x 150	8 x 6	219.1 x 168.3	20.7	1° 15'	21	271.5	349.3	57.2	9.1

The Figure 716 G-FIRE Rigid Coupling features a EPDM gasket suitable for fire applications. All hardware is Yellow Zinc.



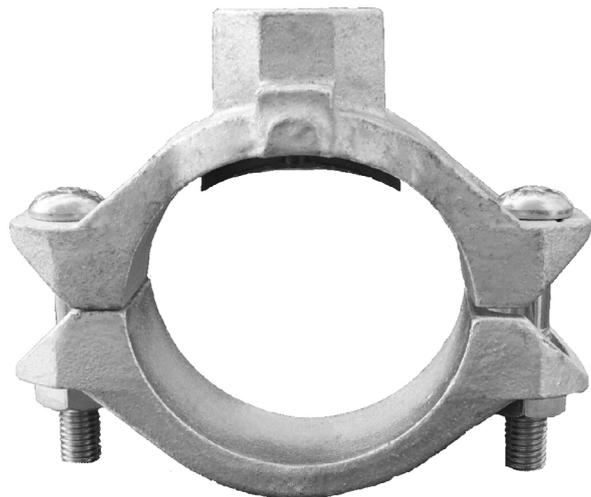
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GALVANISED THREADED SPRINKLER OUTLET - GRINNELL FIGURE 522

Part Number	Nominal (mm)	Nominal (In.)	Outlet Size ISO 7/1	Max. Outlet End Load (kN)	A	B	C	D	E	Approx. Weight (kg)	+0.5mm Tolerance Hole Saw Size (mm)
522F10052H	25	1	15	0.738	25.4	86.4	49.3	14.3	25.4	0.4	24
522F10072H			20	1.156	41.7	86.4	49.3	29	25.4	0.5	
522F10102H			25	1.156	46.5	86.4	57.2	32	25.4	0.5	
522F12052H	32	1¼	15	0.738	31	96	57.2	19.8	26.9	0.4	
522F12072H			20	1.156	46.5	96	57.2	33.8	26.9	0.5	
522F12102H			25	1.81	50.8	96	57.2	36.6	26.9	0.6	
522F15052H	40	1½	15	0.738	33.5	101.6	57.2	22.4	31.8	0.5	
522F15072H			20	1.156	49	101.6	57.2	36.3	31.8	0.5	
522F15102H			25	1.81	53.6	101.6	57.2	39.4	31.8	0.6	
522F20052H	50	2	15	0.738	39.6	113.3	57.2	28.4	38.1	0.6	
522F20072H			20	1.156	55.1	113.3	57.2	42.4	38.1	0.7	
522F20102H			25	1.81	60	113.3	63.5	45.5	38.1	0.7	34.9

The Figure 522 G-FIRE Rigid Coupling features a EPDM gasket suitable for fire applications. All hardware is HDG.



Grinnell

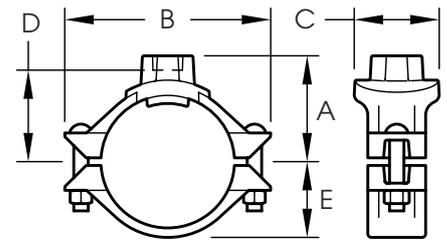


Figure 730 Mechanical Tee with Grade "E" EPDM Gasket, BSP (ISO 7/1) Threaded Outlet

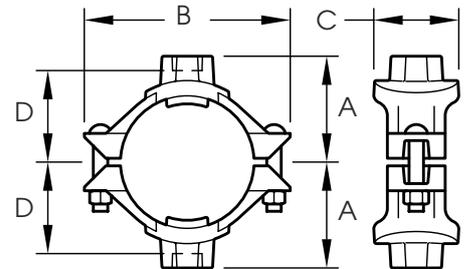


Figure 730 Mechanical Cross with Grade "E" EPDM Gasket, BSP (ISO 7/1) Threaded Outlet

GALVANISED THREADED MECHANICAL TEE AND CROSS - GRINNELL FIGURE 730

Part Number	Nominal Size Run x Branch (mm)	Nominal Size Run x Branch (In.)	Hole size		A	B	C	D	E	Tee Approx. Weight (kg)	Cross Approx. Weight (kg)
			Min. (mm)	Max. (mm)							
730AT20122	50 x 32	2 x 1-¼	44.5	47.6	70.6	124.0	84.3	49.0	40.4	1.1	1.5
730AT20152	50 x 40	2 x 1-½	44.5	47.6	69.9	124.0	84.3	49.0	40.4	1.1	1.8
730AT26052	65 x 15	2-½ x ½	38.1	41.3	74.5	142.7	78.0	62.0	47.5	1.1	1.6
730AT26072	65 x 20	2-½ x ¾	38.1	41.3	74.5	142.7	78.0	62.0	47.5	1.1	1.6
730AT26102	65 x 25	2-½ x 1	38.1	41.3	74.5	142.7	78.0	62.0	47.5	1.1	1.6
730MT26122	65 x 32	2-½ x 1-¼	50.8	54.0	77.7	142.7	90.4	57.2	47.5	1.5	2.3
730MT26152	65 x 40	2-½ x 1-½	50.8	54.0	79.5	142.7	90.4	57.2	47.5	1.6	2.6
730MT26202	65 x 50	2-½ x 2	50.8	54.0	82.6	142.7	101.6	63.5	47.5	1.7	2.6
730MT30052	80 x 15	3 x ½	38.1	41.3	81.0	155.7	78.0	65.0	56.1	1.7	2.4
730MT30072	80 x 20	3 x ¾	38.1	41.3	81.0	155.7	78.0	65.0	56.1	1.7	2.4
730MT30102	80 x 25	3 x 1	38.1	41.3	81.0	155.7	78.0	65.0	56.1	1.7	2.4
730MT30122	80 x 32	3 x 1-¼	44.5	47.6	84.8	155.7	84.3	63.5	56.1	1.6	2.1
730MT30152	80 x 40	3 x 1-½	50.8	54.0	85.9	155.7	90.4	63.0	56.1	1.7	2.4
730MT30202	80 x 50	3 x 2	63.5	66.7	88.9	155.7	103.9	69.9	56.1	2.1	3.1
730MT42052	100 x 15	4 x ½	38.1	41.3	93.7	181.1	78.0	77.7	70.6	2.2	2.5
730MT42072	100 x 20	4 x ¾	38.1	41.3	93.7	181.1	78.0	77.7	70.6	2.2	2.5
730MT42102	100 x 25	4 x 1	38.1	41.3	93.7	181.1	78.0	77.7	70.6	2.2	2.5
730AT42122	100 x 32	4 x 1-¼	44.5	47.6	99.6	181.1	84.3	76.2	70.6	2.2	2.5
730AT42152	100 x 40	4 x 1-½	50.8	54.0	101.6	181.1	90.4	75.7	70.6	2.3	3.3
730MT42202	100 x 50	4 x 2	63.5	66.7	101.6	181.1	103.1	82.6	70.6	2.5	3.9
730MT42262	100 x 65	4 x 2-½	69.9	73.0	101.6	181.1	111.3	79.2	70.6	2.8	3.9
730MT62122	150 x 32	6 x 1-¼	50.8	54.0	130.3	235.0	90.4	108.0	99.1	3.5	4.3
730AT62152	150 x 40	6 x 1-½	50.8	54.0	130.3	235.0	90.4	102.6	99.1	3.5	4.3
730AT62202	150 x 50	6 x 2	63.5	66.7	130.3	235.0	103.1	109.5	99.1	3.7	4.3
730AT62262	150 x 65	6 x 2-½	69.9	73.0	130.3	235.0	111.3	106.2	99.1	4.1	5.1
730AT80202	200 x 50	8 x 2	69.9	73.0	158.8	317.5	103.1	130.0	124.5	5.5	6.4
730AT80262	200 x 65	8 x 2-½	69.9	73.0	158.8	317.5	111.3	130.0	124.5	5.7	6.8

The Figure 730 G-FIRE Rigid Coupling features a EPDM gasket suitable for fire applications. All hardware is HDG.

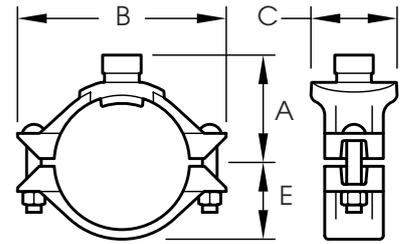


Figure 730 Tees Grooved Branch Outlet

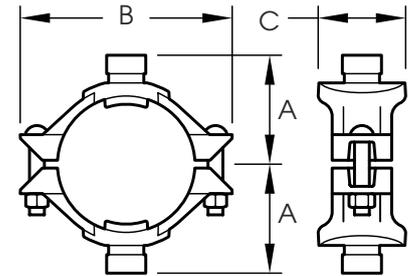
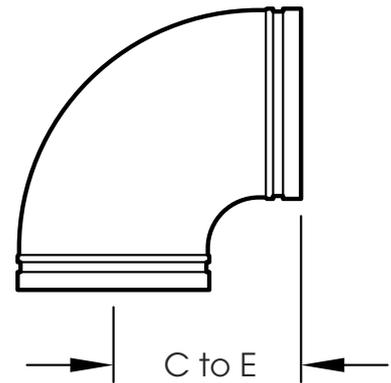


Figure 730 Cross Grooved Branch Outlet

GALVANISED GROOVED MECHANICAL TEE AND CROSS - GRINNELL FIGURE 730

Part Number	Nominal Size Run x Branch (mm)	Nominal Size Run x Branch (In.)	Hole size		A	B	C	E	Tee Approx. Weight (kg)	Cross Approx. Weight (kg)
			Min. (mm)	Max. (mm)						
730MG26202H	65 x 50	2-½ x 2	50.8	54.0	82.6	142.7	101.6	47.5	1.1	1.7
730MG30202H	80 x 50	3 x 2	63.5	66.7	88.9	155.7	103.9	56.1	2.0	2.9
730MG42202H	100 x 50	4 x 2	63.5	66.7	101.6	181.1	103.1	70.6	2.4	3.1
730MG42262H	100 x 65	4 x 2-½	69.9	73.0	101.6	181.1	111.3	70.6	2.7	3.7
730MG42302H	100 x 80	4 x 3	88.9	92.1	104.9	181.1	130.3	70.6	3.4	3.7
730AG62202H	150 x 50	6 x 2	63.5	66.7	130.3	235.0	103.1	99.1	3.6	4.1
730AG62262H	150 x 65	6 x 2-½	69.9	73.0	130.3	235.0	111.3	99.1	4.0	4.9
730AG63302H	150 x 80	6 x 3	88.9	92.1	139.7	235.0	130.3	99.1	4.6	6.0
730AG62422H	150 x 100	6 x 4	114.3	117.5	136.7	235.0	155.7	99.1	5.3	7.4
730AG80202H	200 x 50	8 x 2	69.9	73.0	158.8	317.5	111.3	124.5	5.5	6.4
730AG80262H	200 x 65	8 x 2-½	69.9	73.0	158.8	317.5	111.3	124.5	5.6	6.6
730AG80302H	200 x 80	8 x 3	88.9	92.1	165.1	317.5	130.3	124.5	6.0	7.3
730AG80422H	200 x 100	8 x 4	114.3	117.5	162.1	317.5	155.7	124.5	6.7	8.6

The Figure 730 G-FIRE Rigid Coupling features a EPDM gasket suitable for fire applications. All hardware is HDG.



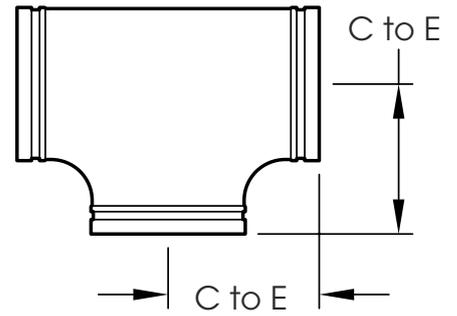
Grinnell



GALVANISED SHORT 90° ELBOW - GRINNELL FIGURE 510S

TYCO Part Number	Nominal (mm)	Nominal (In)	O.D. (mm)	Nominal C to E (mm)	Approx Weight (kg)
510SA00602	50	2	60.3	69.9	0.7
510SA00762	65	2-1/2	76.1	76.2	1.0
510SA00892	80	3	88.9	85.9	1.3
510SA01142	100	4	114.3	101.6	2.3
510SA01652	150	6	165.1	139.7	5.0
510SA02192	200	8	219.1	174.8	10.6

Figure 510S Cast Short Pattern 90° Elbow



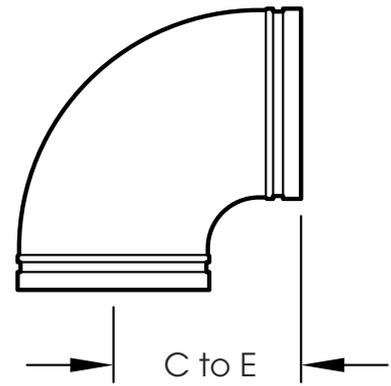
Grinnell



GALVANISED SHORT EQUAL TEES - GRINNELL FIGURE 519S

TYCO Part Number	Nominal (mm)	Nominal (In)	O.D. (mm)	Nominal C to E (mm)	Approx Weight (kg)
519SA00602	50	2	60.3	69.9	1.0
519SA00762	65	2-1/2	76.1	76.2	1.4
519SA00892	80	3	88.9	85.9	1.9
519SA01142	100	4	114.3	101.6	3.0
519SA01652	150	6	165.1	139.7	6.8
519SA02192	200	8	219.1	174.8	11.8

Figure 519S Cast Short Pattern Equal Tees in Hot Dip Galvanised Finish



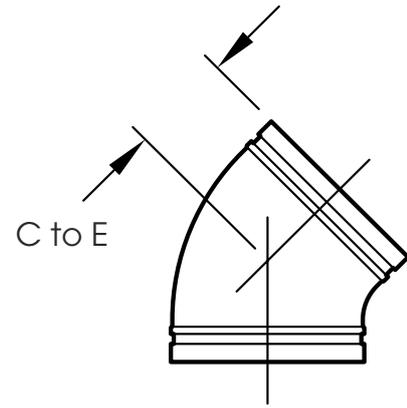
Grinnell



GALVANISED STANDARD 90° ELBOW - GRINNELL FIGURE 510

TYCO Part Number	Nominal (mm)	Nominal (In)	O.D. (mm)	Nominal C to E (mm)	Approx Weight (kg)
510A000342	25	1	33.7	57.2	0.4
510A000422	32	1-1/4	42.4	69.9	0.5
510A000482	40	1-1/2	48.3	69.9	0.6
510A000602	50	2	60.3	82.6	0.9
510A000762	65	2-1/2	76.1	95.3	1.3
510A000892	80	3	88.9	108.0	1.9
510A001142	100	4	114.3	127.0	3.2
510A001652	150	6	165.1	165.1	6.3
510A002192	200	8	219.1	196.9	13.4
510A002732	250	10	273.0	228.6	23.6
510A003242	300	12	323.9	254.0	30.1

Figure 510 Cast Standard Pattern 90° Elbow in Hot Dip Galvanized Finish



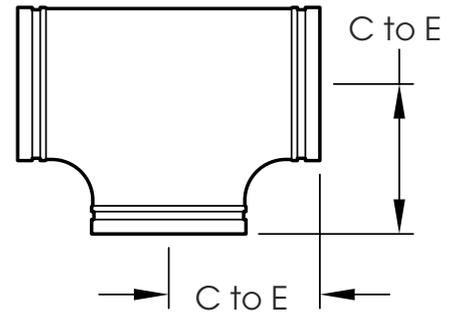
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GALVANISED STANDARD 45° - GRINNELL FIGURE 501

TYCO Part Number	Nominal (mm)	Nominal (In.)	O.D. (mm)	Nominal C to E (mm)	Approx Weight (kg)
501A000342	25	1	33.7	43.2	0.3
501A000422	32	1-1/4	42.4	44.5	0.4
501A000482	40	1-1/2	48.3	44.5	0.5
501A000602	50	2	60.3	50.8	0.6
501A000762	65	2-1/2	76.1	57.2	1.0
501A000892	80	3	88.9	63.5	1.5
501A001142	100	4	114.3	76.2	2.5
501A001652	150	6	165.1	88.9	4.2
501A002192	200	8	219.1	108.0	9.3
501A002732	250	10	273.0	120.7	13.7
501A003242	300	12	323.9	133.4	22.0

Figure 501 Cast Standard Pattern 45° Elbow in Hot Dip Galvanized Finish



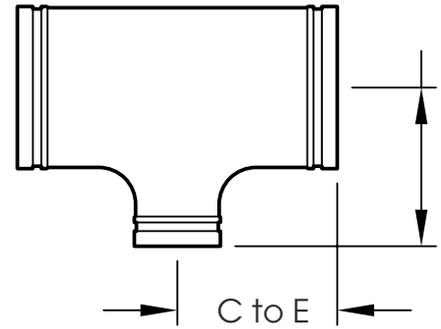
Grinnell



GALVANISED CAST STANDARD EQUAL TEE - GRINNELL FIGURE 519

TYCO Part Number	Nominal (mm)	Nominal (In.)	O.D. (mm)	Nominal C to E (mm)	Approx Weight (kg)
519A000602	50	2	60.3	82.6	1.3
519A000762	65	2 1/2	76.1	95.3	4.5
519A000892	80	3	88.9	108.0	3.0
519A001142	100	4	114.3	127.0	4.3
519A001652	150	6	165.1	165.1	19.7
519A002192	200	8	219.1	196.9	18.1
519A002732	250	10	273.0	228.6	29.1
519A003242	300	12	323.9	254.0	49.9

Figure 519 Cast Standard Pattern Equal Tee in Hot Dip Galvanised Finish



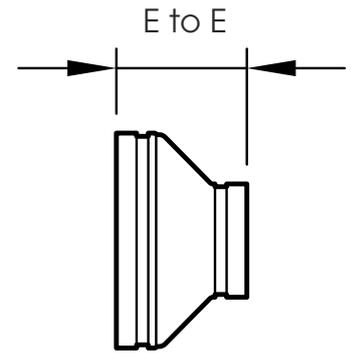
Grinnell



GALVANISED CAST REDUCING TEE - GRINNELL FIGURE 221

Part Number	Nominal (mm)	Nominal (In.)	O.D. (mm)	C to E (mm)	Approx. Weight (kg)
221M026202	65 x 65 x 50	2½ x 2½ x 2	76.1 x 76.1 x 60.3	95.3	2.0
221M030202	80 x 80 x 50	3 x 3 x 2	88.9 x 88.9 x 60.3	108	2.7
221M030262	80 x 80 x 65	3 x 3 x 2½	88.9 x 88.9 x 76.1	108	2.7
221M042202	100 x 100 x 50	4 x 4 x 2	114.3 x 114.3 x 60.3	127	4.1
221M042262	100 x 100 x 65	4 x 4 x 2½	114.3 x 114.3 x 76.1	127	4.3
221M062422	150 x 150 x 100	6 x 6 x 4	165.1 x 165.1 x 114.3	165.1	8.9
221A080422	200 x 200 x 100	8 x 8 x 4	219.1 x 219.1 x 114.3	196.9	16.9
221M080622	200 x 200 x 150	8 x 8 x 6	219.1 x 219.1 x 165.1	196.9	17.1
221M011422	250 x 250 x 100	10 x 10 x 4	273 x 273 x 114.3	228.6	29.9
321F011622	250 x 250 x 150	10 x 10 x 6	273 x 273 x 165.1	228.6	26.2
221M011802	250 x 250 x 200	10 x 10 x 8	273 x 273 x 219.1	228.6	31.8

Figure 221 Cast Reducing Tee in Hot Dip Galvanised Finish



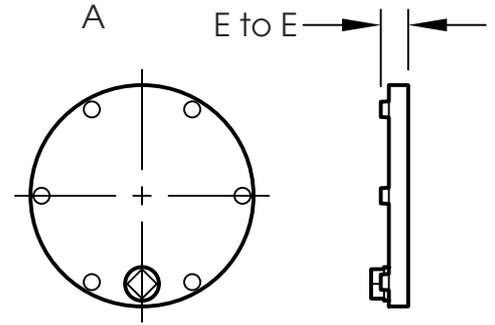
Grinnell



GALVANISED CAST CONCENTRIC REDUCER - GRINNELL FIGURE 250

Part Number	Nominal (mm)	Nominal (In.)	O.D. (mm)	E to E (mm)	Approx. Weight (kg)
250M012102	32 x 25	1-¼ x 1	42.4 x 33.7	63.5	0.3
250M015102	40 x 25	1-½ x 1	48.3 x 33.7	63.5	0.3
250A015122	40 x 32	1-½ x 1-¼	48.3 x 42.4	63.5	0.3
250M020102	50 x 25	2 x 1	60.3 x 33.7	63.5	0.4
250M020122	50 x 32	2 x 1-¼	60.3 x 42.4	63.5	0.4
250M026122	65 x 32	2-½ x 1-¼	76.1 x 42.4	63.5	0.6
250M026202	65 x 50	2-½ x 2	76.1 x 60.3	63.5	0.7
250M030202	80 x 50	3 x 2	88.9 x 60.3	63.5	0.8
250M030262	80 x 65	3 x 2-½	88.9 x 76.1	63.5	0.9
250M042202	100 x 50	4 x 2	114.3 x 60.3	76.2	1.1
250M042262	100 x 65	4 x 2-½	114.3 x 76.1	76.2	1.5
250M042302	100 x 80	4 x 3	114.3 x 88.9	76.2	1.3
250M062302	150 x 80	6 x 3	165.1 x 88.9	101.6	2.5
250M062422	150 x 100	6 x 4	165.1 x 114.3	101.6	2.7
250A080422	200 x 100	8 x 4	219.1 x 114.3	127	4.9
250M080622	200 x 150	8 x 6	219.1 x 165.1	127	5.0
350F011422	250 x 100	10 x 4	273 x 114.3	152.4	9.3
250M011622	250 x 150	10 x 6	273 x 165.1	152.4	8.0
250A011802	250 x 200	10 x 8	273 x 219.1	152.4	8.3
250A013802	300 x 200	12 x 8	323.9 x 219.1	177.8	11.7
250A013112	300 x 250	12 x 10	323.9 x 273	177.8	12.8

Figure 250 Cast Concentric Reducer in Hot Dip Galvanised Finish



Grinnell



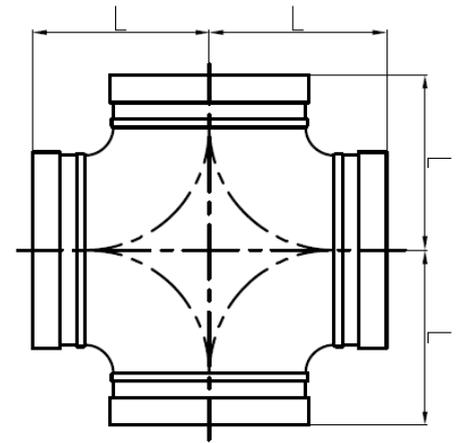
GALVANISED CAST END CAP - GRINNELL FIGURE 260

TYCO Part Number	Nominal (mm)	Nominal (In.)	O.D. (mm)	Nominal E to E (mm)	Approx Weight (kg)
260M000342	25	1	33.4	21.1	0.1
260M000422	32	1-1/4	42.4	21.1	0.1
260M000482	40	1-1/2	48.3	21.1	0.2
260M000602	50	2	60.3	23.4	0.3
260M000762	65	2 1/2	76.1	23.4	0.6
260M000892	80	3	88.9	23.4	0.6
260M001142	100	4	114.3	25.4	1.2
260M001652	150	6	165.1	23.4	2.9
260M002192	200	8	219.1	27.0	3.2
260M002732	250	10	273.0	25.8	11.1
260M003242	300	12	323.9	25.8	14.1

Figure 260 Cast End Cap in Hot Dip Galvanised Finish

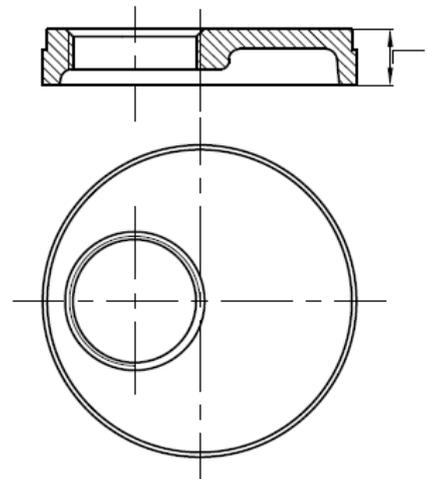
ROLL GROOVE CROSS TEE

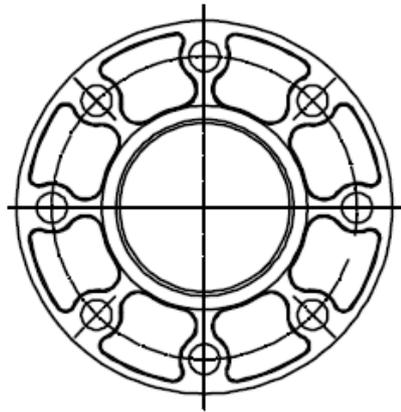
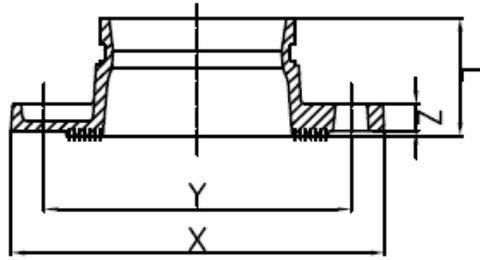
Nominal Size (mm)	Nominal Size (in)	O.D. (mm)	L (Centre to Centre)	Orbital Fire Product Code
32	1¼	42.4	70	RGX032
40	1½	48.3	70	RGX040
50	2	60.3	70	RGX050
65	2½	76.1	76	RGX065
80	3	88.9	85.5	RGX080
100	4	114.3	101	RGX100
150	6	165.1	140	RGX150
200	8	219.1	175	RGX200
250	10	273	229	RGX250
300	12	323.9	254	RGX300



ROLL GROOVE CAP WITH ECCENTRIC BSP HOLE

Nominal Size (mm)	Nominal Size (in)	O.D. (mm)	Dimensions L (mm)	Orbital Fire Product Code
50X25	2X1	60.3 x 33.7	23.5	RGDC050X025
65X25	2½X1	76.1 x 33.7	23.5	RGDC065X025
80X25	3X1	88.9 x 33.7	23.5	RGDC080X025
100X25	4X1	114.3 x 33.7	27.0	RGDC100X025
150X40	6X1½	165.1 x 48.3	25.4	RGDC150X040
200X40	8X1½	219.1 x 48.3	30.2	RGDC200X040
200X50	8X2	219.1 x 60.3	30.2	RGDC200X050
250X40	10X1½	273.0 x 48.3	33.1	RGDC250X040
300X40	12X1½	323.9 x 48.3	31.2	RGDC300X040





ROLL GROOVE FLANGE ADAPTOR TABLE E

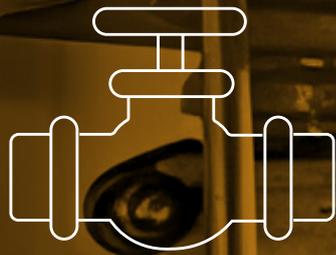
Nominal Size (mm)	Nominal Size (in)	O.D. (mm)	L (mm)	X (mm)	Y (mm)	Z (mm)	Bolt (No. - Size)	Orbital Fire Product Code
50	2	60.3	65	152	114	16	4-M16	RGFA050
65	2½	76.1	70	165	127	16	4-M16	RGFA065
80	3	88.9	70	184	146	16	4-M16	RGFA080
100	4	114.3	70	216	178	16	8-M16	RGFA100
150	6	165.1	70	280	235	21	8-M20	RGFA150
200	8	219.1	102	337	292	19	8-M20	RGFA200
250	10	273.0	85	405	356	25	12-M20	RGFA250
300	12	323.9	102	457	406	25.5	12-M22 (7/8")	RGFA300

RUBBER GASKET

Nominal Size (mm)	Nominal Size (in)	Orbital Fire Product Code
50	2	FG050
65	2½	FG065
80	3	FG080
100	4	FG100
150	6	FG150
200	8	FG200
250	10	FG250
300	12	FG300



* All size rubber gaskets available.



Fabricated Products

Contents

ORBITAL FIRE TYPE X SPRINKLER VALVE SET

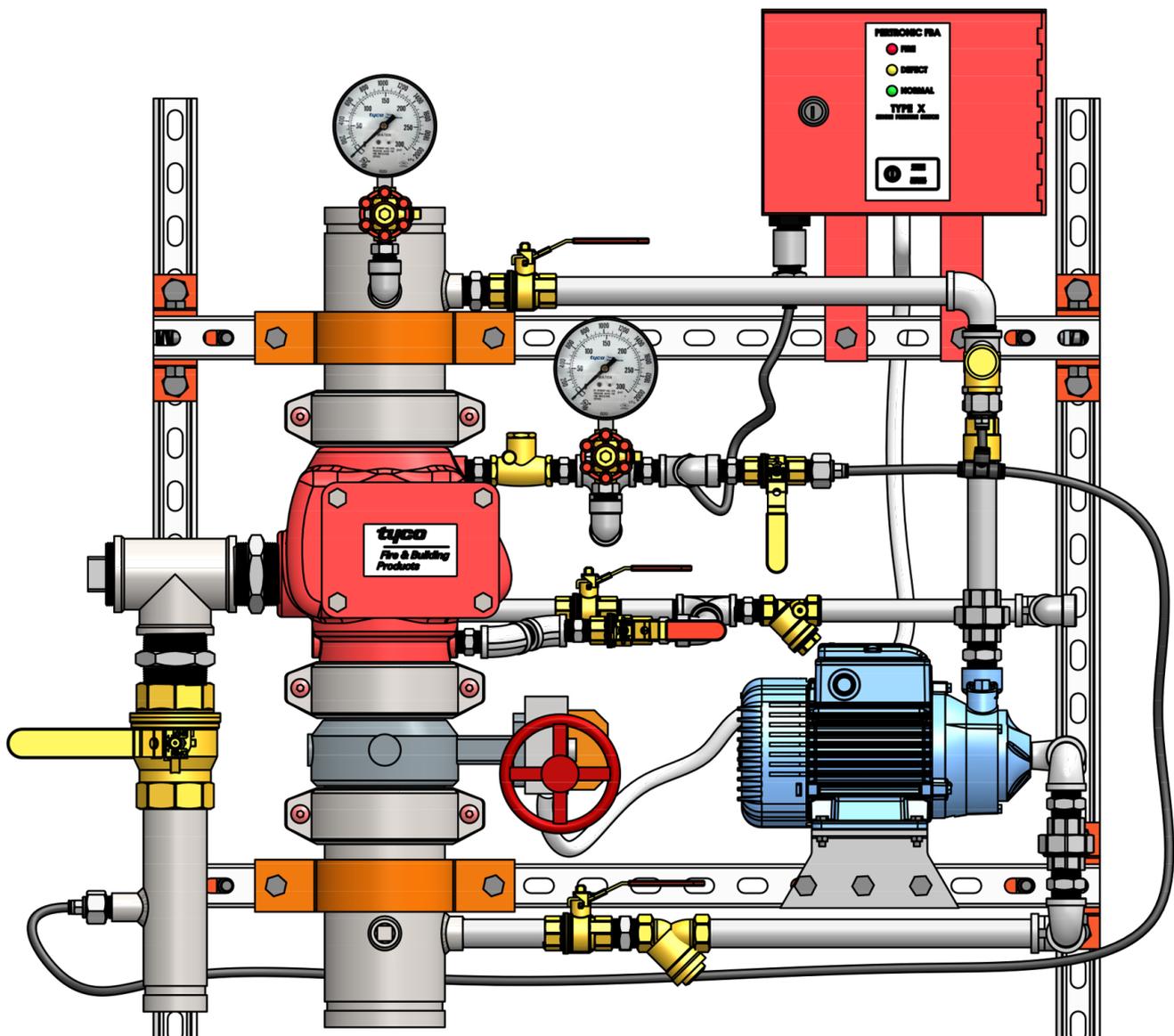
DESCRIPTION	ORBITAL FIRE PRODUCT CODE	COMPONENT
Orbital Fire 100mm Type X Valve Set - all wired, labelled, installed and tested	OFV100X	Tyco Valves, Grinnell Couplings, Pertronic DBA, Pedrollo PK90, Single Drain
Orbital Fire 150mm Type X Valve Set - all wired, labelled, installed and tested	OFV150X	
Orbital Fire 200mm Type X Valve Set - all wired, labelled, installed and tested	OFV200X	

*PK200 installation available on request

*Double drain installation available on request

*Christchurch set up installation available on request

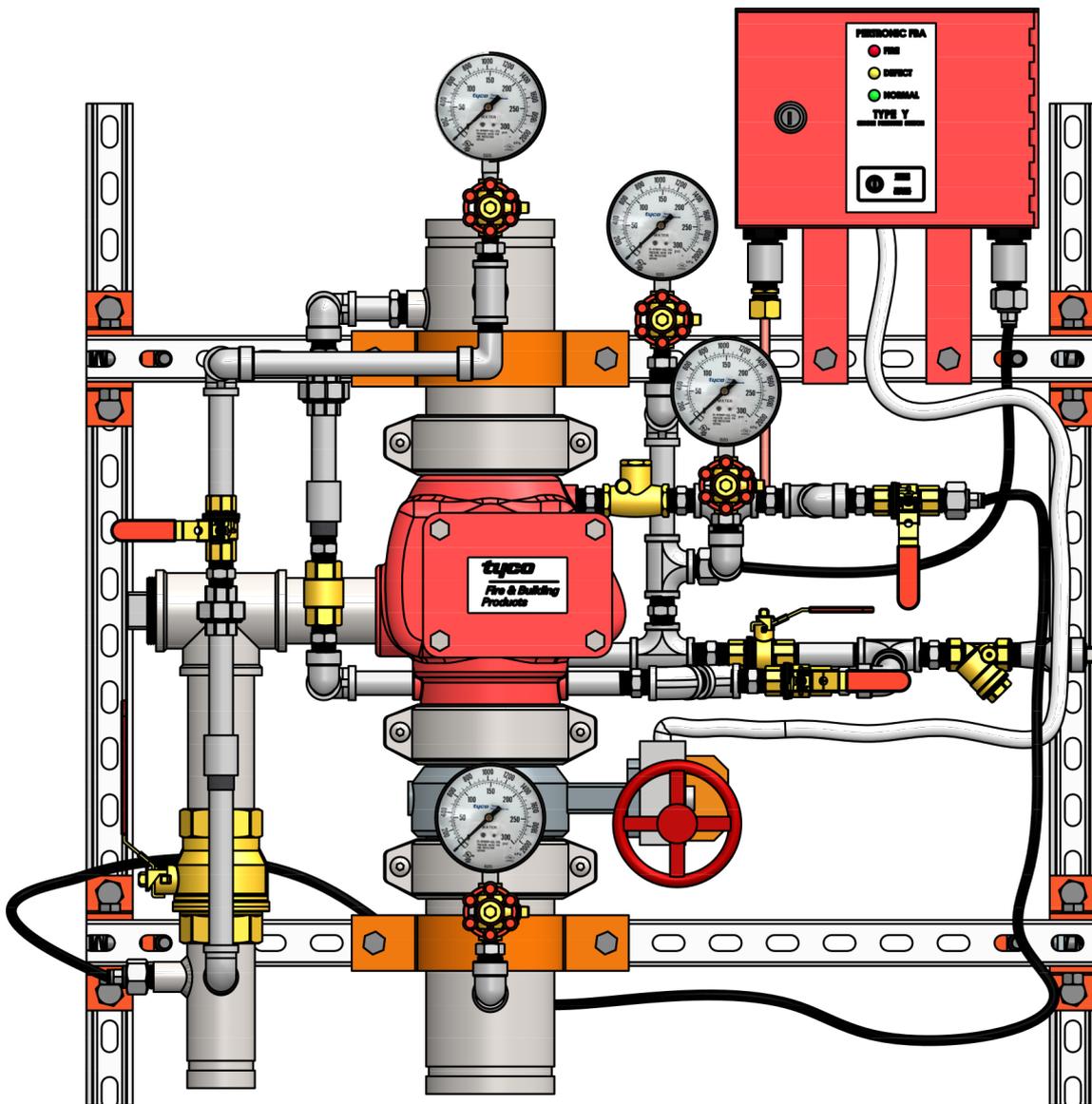
*Stainless steel cabinet / powder coated cabinet enclosures available on request



ORBITAL FIRE TYPE Y SPRINKLER VALVE SET

DESCRIPTION	ORBITAL FIRE PRODUCT CODE	COMPONENT
Orbital Fire 100mm Type Y Valve Set - all wired, labelled, installed and tested	OFV100Y	Tyco Valves, Grinnell Couplings, Pertronic DBA, Single Drain
Orbital Fire 150mm Type Y Valve Set - all wired, labelled, installed and tested	OFV150Y	
Orbital Fire 200mm Type Y Valve Set - all wired, labelled, installed and tested	OFV200Y	

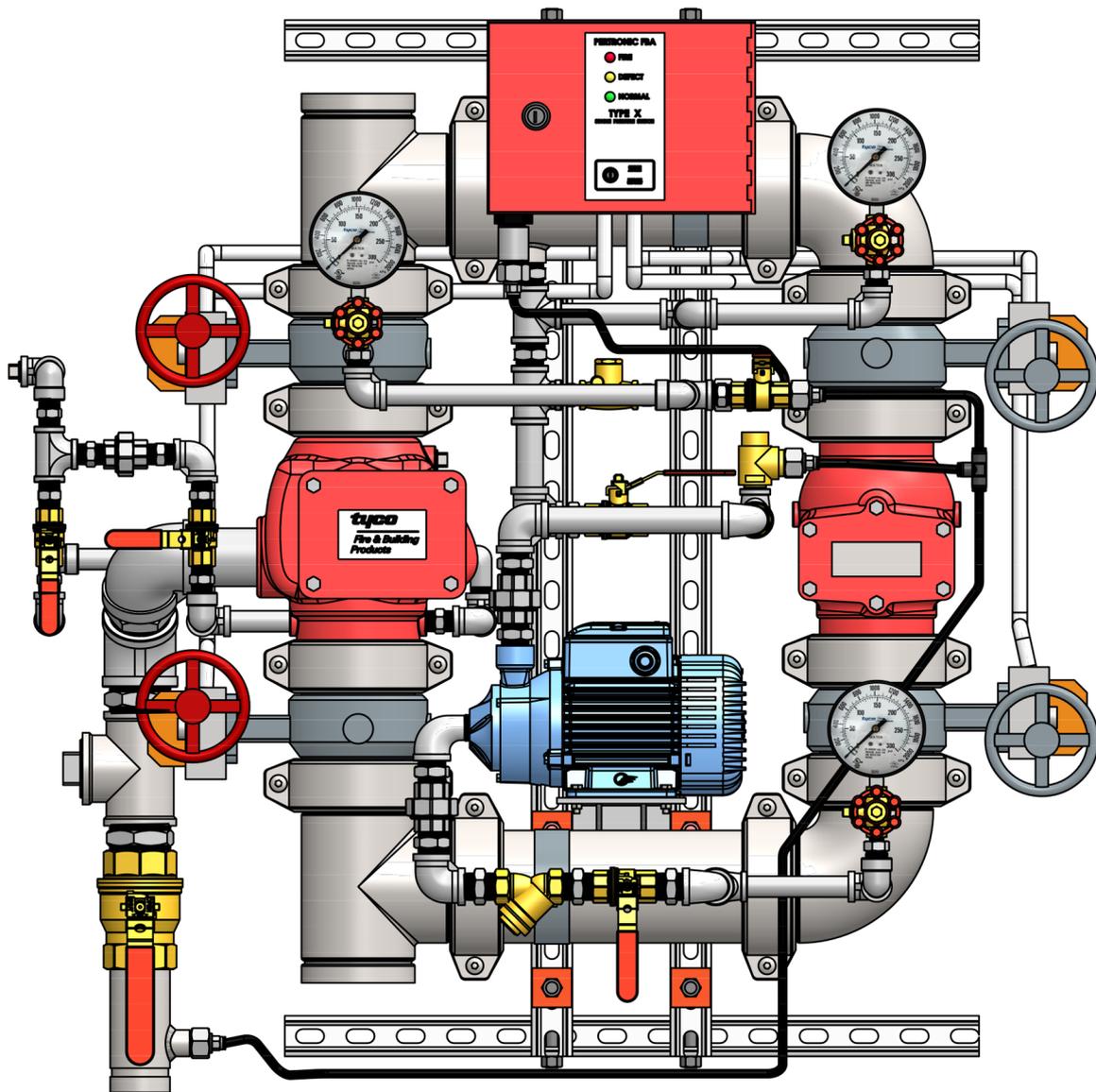
- * PK200 installation available on request
- * Double drain installation available on request
- * Christchurch set up installation available on request
- * Stainless steel cabinet / powder coated cabinet enclosures available on request



ORBITAL FIRE TYPE X SAFETY ENHANCED SPRINKLER VALVE SET

DESCRIPTION	ORBITAL FIRE PRODUCT CODE	COMPONENT
Orbital Fire 100mm Type X Safety Enhanced Valve Set - all wired, labelled, installed and tested	OFV100XS	Tyco Valves, Grinnell Couplings, Pertronic DBA, Pedrollo PK90, Single Drain
Orbital Fire 150mm Type X Safety Enhanced Valve Set - all wired, labelled, installed and tested	OFV150XS	
Orbital Fire 200mm Type X Safety Enhanced Valve Set - all wired, labelled, installed and tested	OFV200XS	

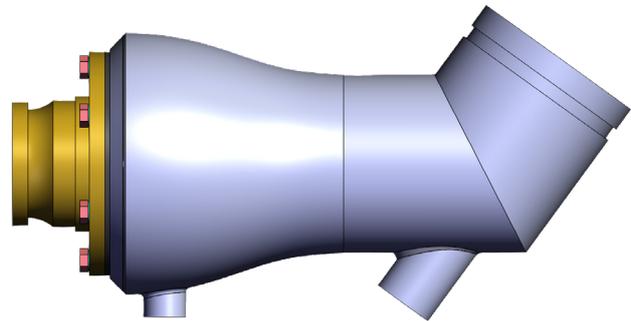
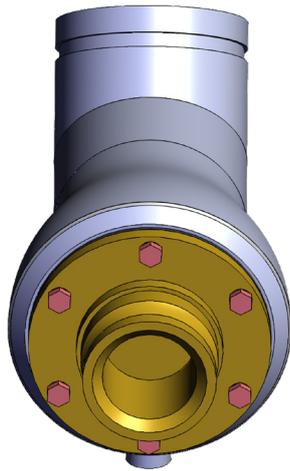
- * PK200 installation available on request
- * Double drain installation available on request
- * Stainless steel cabinet / powder coated cabinet enclosures available on request



JOCKEY PUMP	
DESCRIPTION	ORBITAL FIRE PRODUCT CODE
Pedrollo Jockey Pump PK90	PK90
Pedrollo Jockey Pump PK200	PK200
Calpeda Jockey Pump TPM80E	TPM80E

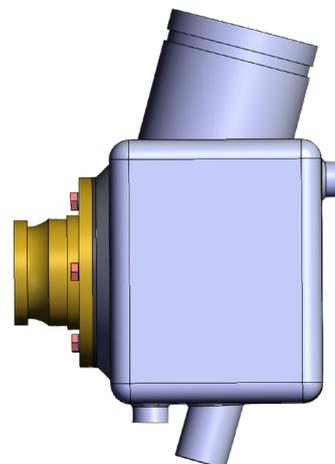
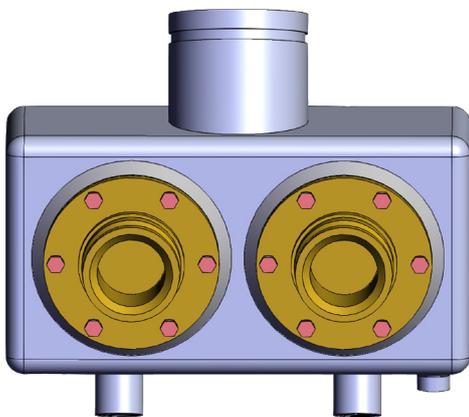


SINGLE FIRE BRIGADE INLET	
DESCRIPTION	ORBITAL FIRE PRODUCT CODE
65mm Single Brigade Inlet HDG	FBI1-065
80mm Single Brigade Inlet HDG	FBI1-080
100mm Single Brigade Inlet HDG	FBI1-100



DOUBLE FIRE BRIGADE INLET	
DESCRIPTION	ORBITAL FIRE PRODUCT CODE
100mm Double Brigade Inlet HDG	FBI2-100
150mm Double Brigade Inlet HDG	FBI2-150

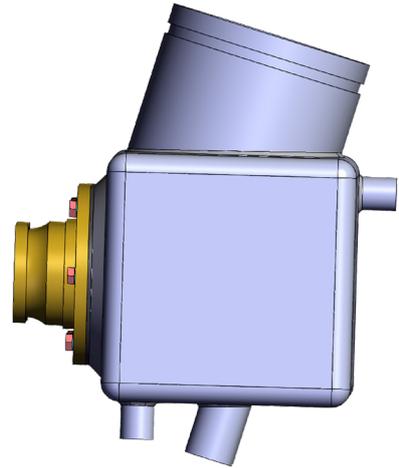
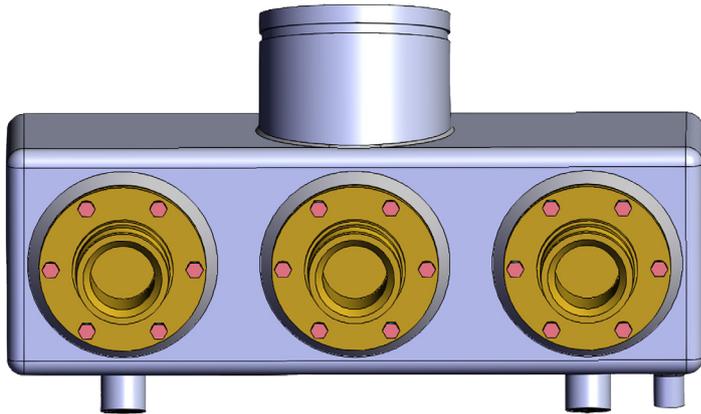
* Top Entry / Back Entry available on request



3 WAY FIRE BRIGADE INLET

DESCRIPTION	ORBITAL FIRE PRODUCT CODE
100mm 3 Way Horizontal Brigade Inlet HDG	FBI3-100
150mm 3 Way Horizontal Brigade Inlet HDG	FBI3-150

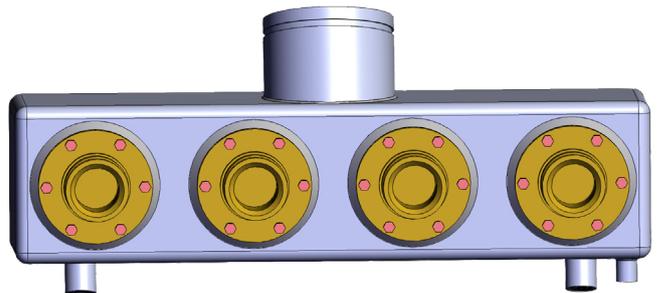
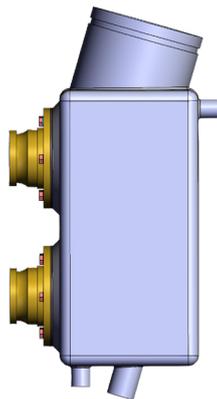
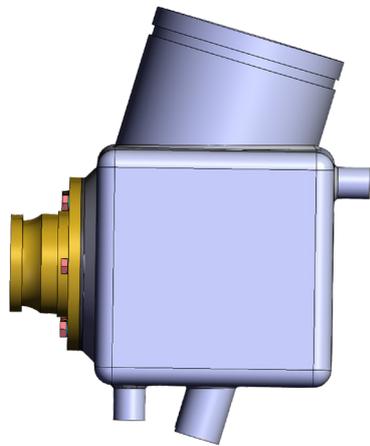
* Secureflow install available on request
 * Top Entry / Back Entry available on request



4 WAY FIRE BRIGADE INLET

DESCRIPTION	ORBITAL FIRE PRODUCT CODE
100mm 4 Way Horizontal Brigade Inlet HDG	FBI4-100H
100mm 4 Way Vertical Brigade Inlet HDG	FBI4-100V
150mm 4 Way Horizontal Brigade Inlet HDG	FBI4-150H
150mm 4 Way Vertical Brigade Inlet HDG	FBI4-150V
200mm 4 Way Horizontal Brigade Inlet HDG	FBI4-200H
200mm 4 Way Vertical Brigade Inlet HDG	FBI4-200V

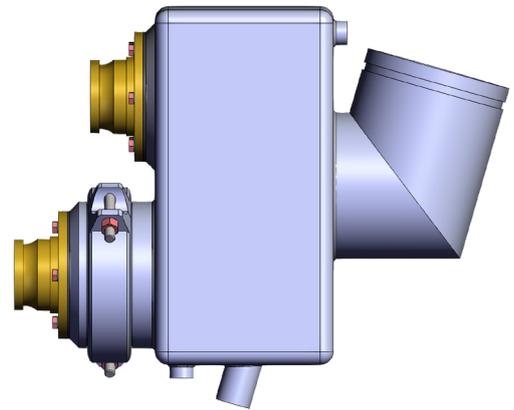
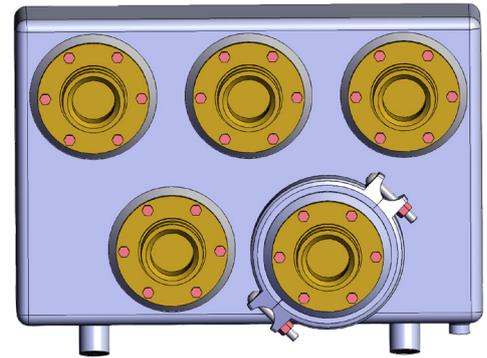
* Secureflow install available on request
 * Top Entry / Back Entry available on request



5 WAY FIRE BRIGADE INLET

DESCRIPTION	ORBITAL FIRE PRODUCT CODE
100mm 5 Way Horizontal Brigade Inlet HDG	FBI5-100H
100mm 5 Way Vertical Brigade Inlet HDG	FBI5-100V
150mm 5 Way Horizontal Brigade Inlet HDG	FBI5-150H
150mm 5 Way Vertical Brigade Inlet HDG	FBI5-150V
200mm 5 Way Horizontal Brigade Inlet HDG	FBI5-200H
200mm 5 Way Vertical Brigade Inlet HDG	FBI5-200V

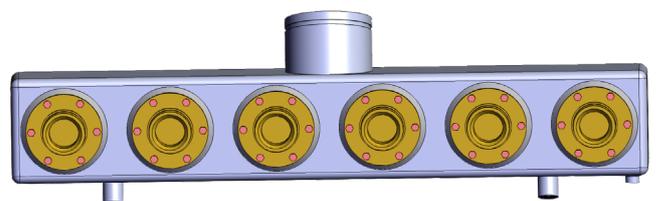
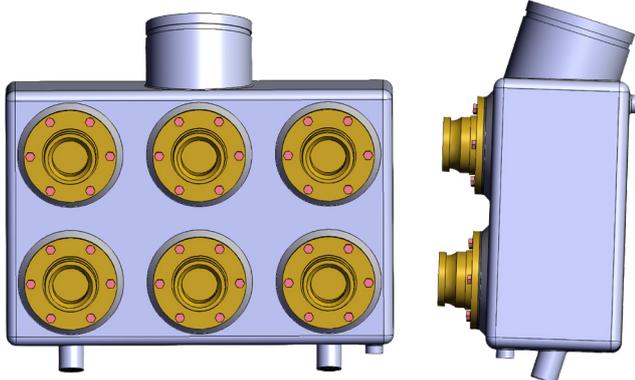
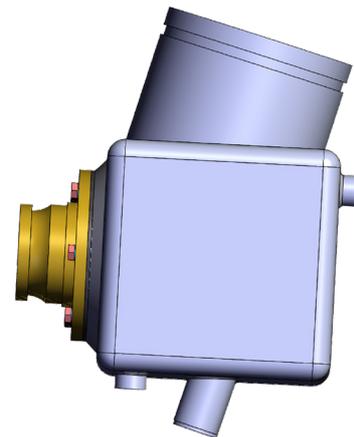
* Secureflow install available on request
 * Top Entry / Back Entry available on request



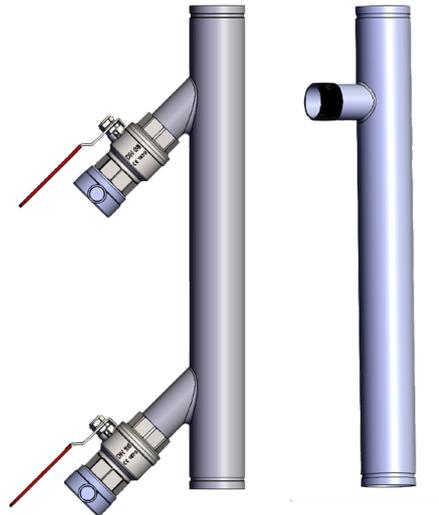
6 WAY FIRE BRIGADE INLET

DESCRIPTION	ORBITAL FIRE PRODUCT CODE
100mm 6 Way Horizontal Brigade Inlet HDG	FBI6-100H
100mm 6 Way Vertical Brigade Inlet HDG	FBI6-100V
150mm 6 Way Horizontal Brigade Inlet HDG	FBI6-150H
150mm 6 Way Vertical Brigade Inlet HDG	FBI6-150V
200mm 6 Way Horizontal Brigade Inlet HDG	FBI6-200H
200mm 6 Way Vertical Brigade Inlet HDG	FBI6-200V

* Secureflow install available on request
 * Top Entry / Back Entry available on request

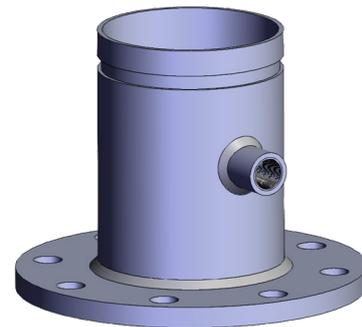


HYDRANT STATION OUTLET	
DESCRIPTION	ORBITAL FIRE PRODUCT CODE
100mm Hydrant Dual Station Outlet HDG	HDSO100
150mm Hydrant Dual Station Outlet HDG	HDSO150
100mm Hydrant Test Outlet	HTO100
150mm Hydrant Test Outlet	HTO150



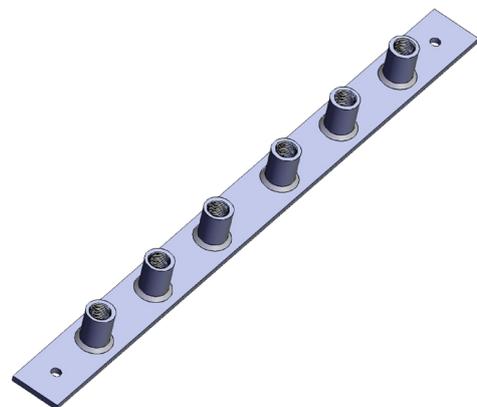
* All other fabrication available at Orbital Fire on request

HYDRANT STATION OUTLET FOOT WITH DRAIN	
Description	ORBITAL FIRE PRODUCT CODE
100mm Hydrant Station Foot with 15mm Drain HDG	HF100
150mm Hydrant Station Foot with 15mm Drain HDG	HF150

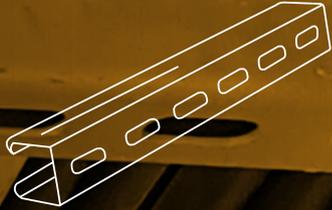


* All other fabrication available at Orbital Fire on request

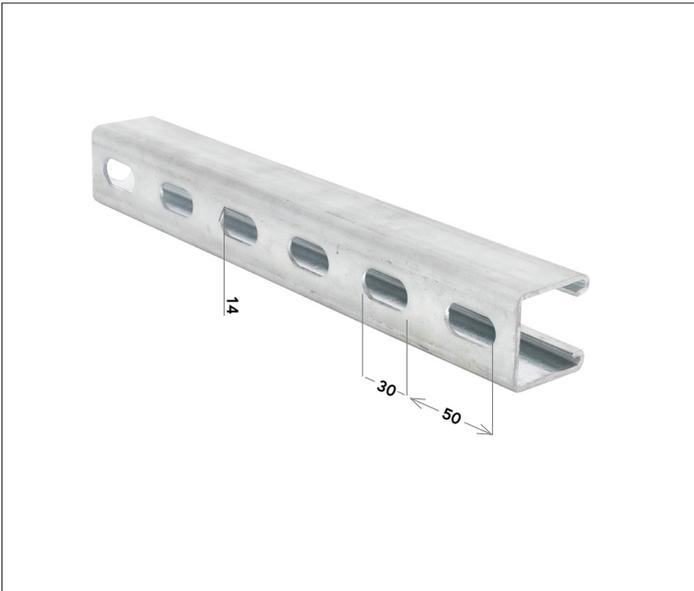
SPRINKLER RACK	
DESCRIPTION	ORBITAL FIRE PRODUCT CODE
10mm Sprinkler Rack	RACK10
15mm Sprinkler Rack	RACK15
20mm Sprinkler Rack	RACK20
25mm Sprinkler Rack	RACK25
32mm Sprinkler Rack	RACK32



* All other fabrication available at Orbital Fire on request

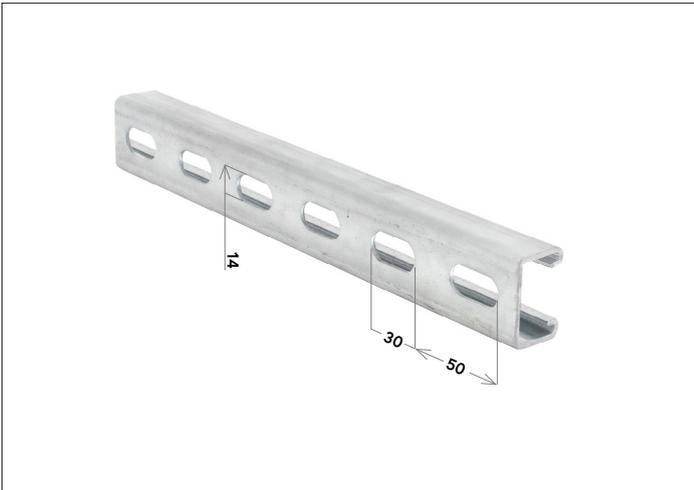
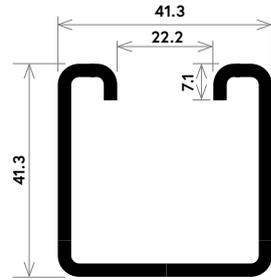


Strut & Cable Tray



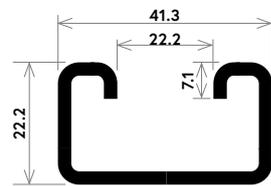
SLOTTED STRUT 41 X 41 X 2.5 X 6

CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-1000TP	Pre-Galv	41 x 41 x 2.5	6m
ORB-1000TG	HDG	41 x 41 x 2.5	6m
ORB-1000TSS	Stainless	41 x 41 x 2.5	6m



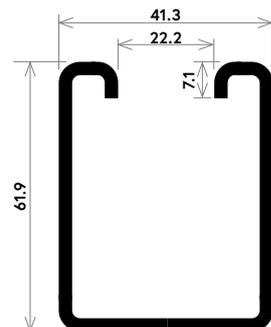
SLOTTED STRUT 41 X 21 X 2.5 X 6

CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-3000TP	Pre-Galv	41 x 21 x 2.5	6m
ORB-3000TG	HDG	41 x 21 x 2.5	6m

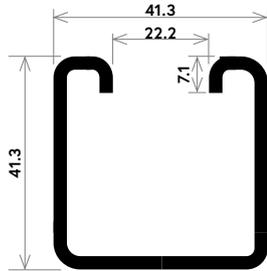
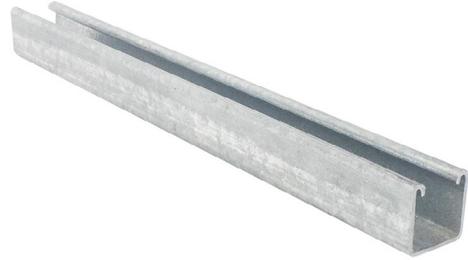


SLOTTED STRUT 41 X 61 X 2.5 X 6

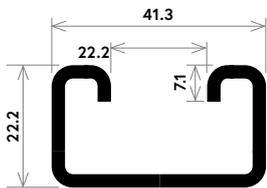
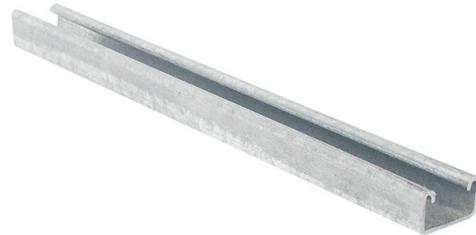
CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-5000TP	Pre-Galv	41 x 61 x 2.5	6m
ORB-5000TG	HDG	41 x 61 x 2.5	6m



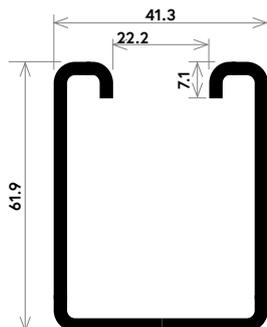
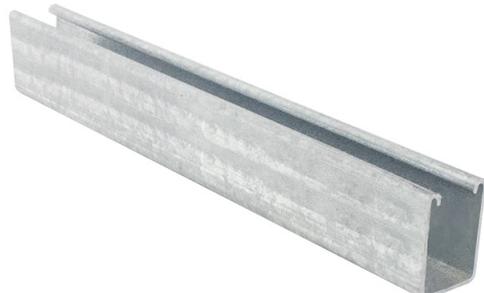
SOLID STRUT 41 X 41 X 2.5 X 6			
CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-1000P	Pre-Galv	41 x 41 x 2.5	6m
ORB-1000G	HDG	41 x 41 x 2.5	6m

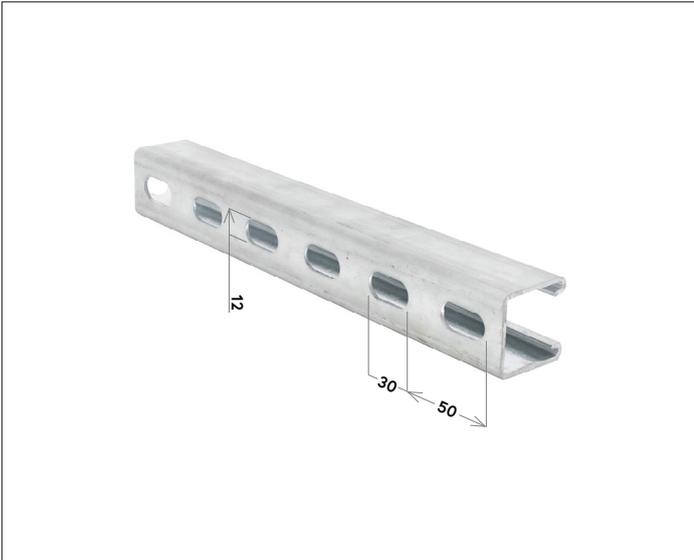


SOLID STRUT 41 X 21 X 2.5 X 6			
CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-3000P	Pre-Galv	41 x 21 x 2.5	6m
ORB-3000G	HDG	41 x 21 x 2.5	6m



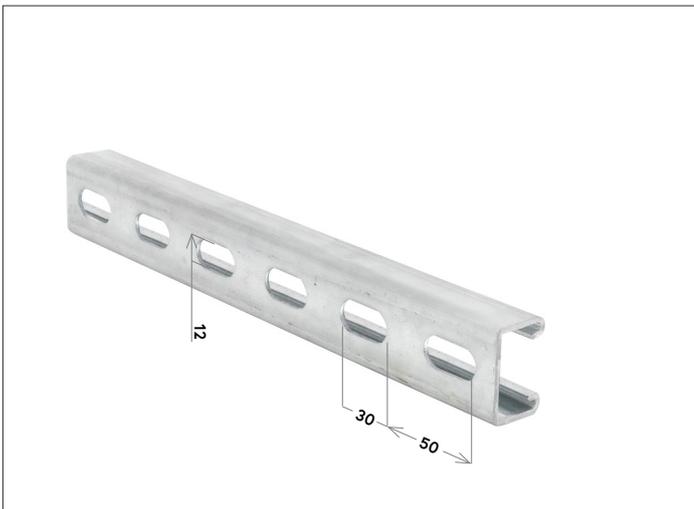
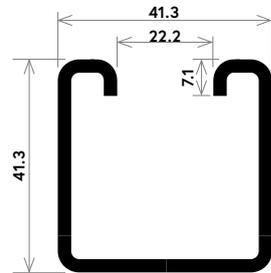
SOLID STRUT 41 X 61 X 2.5 X 6			
CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-5000P	Pre-Galv	41 x 61 x 2.5	6m
ORB-5000G	HDG	41 x 61 x 2.5	6m





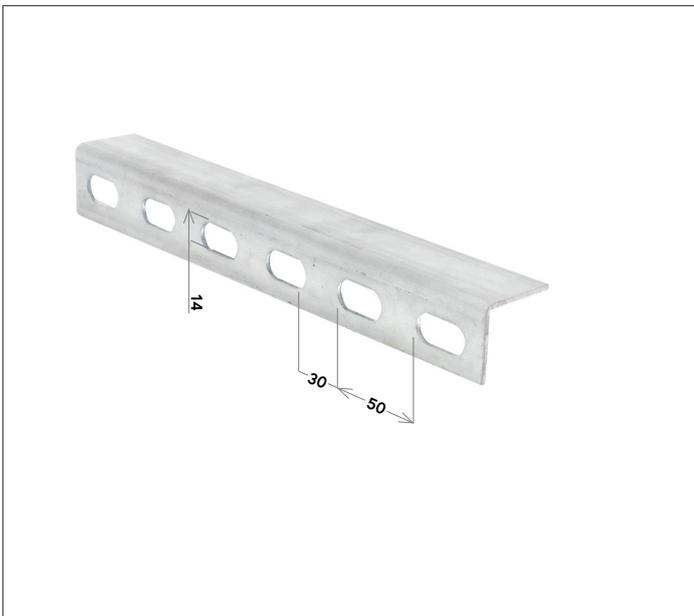
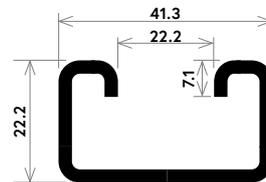
SLOTTED STRUT 41 X 41 X 2.5 X 3

CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-1000TP-3M	Pre-Galv	41 x 41 x 2.5	3m



SLOTTED STRUT 41 X 21 X 2.5 X 3

CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-3000TP-3M	Pre-Galv	41 x 21 x 2.5	

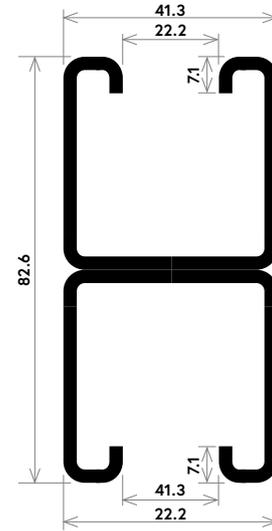
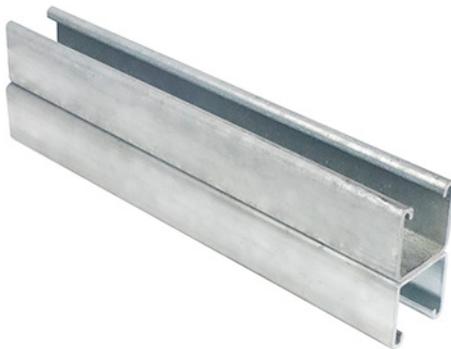


SLOTTED ANGLE

CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-15050G	Galv	50 x 50 x 5	6m



SOLID STRUT 41 X 82 X 2.5 X 6			
CODE	DESCRIPTION	SIZE MM	LENGTH
ORB-1001P	Pre-Galv	41 x 82 x 2.5	6m
ORB-1001G	HDG	41 x 82 x 2.5	6m
ORB-1001B	Black	41 x 82 x 2.5	6m
SLOTTED STRUT 41 X 82 X 2.5 X 6			
ORB-1001TP	Pre Galv	41 x 82 x 2.5	6m
ORB-1001TG	HDG	41 x 82 x 2.5	6m





SPRING NUT

CODE	DESCRIPTION	PACK QTY	FINISH
NUT-M6SLS	M6	100	Zinc
NUT-M8SLS	M8	100	Zinc/Galv
NUT-M10SLS	M10	100	Zinc/Galv/SS
NUT-M12SLS	M12	100	Zinc/Galv/SS
NUT-M16SLS	M16	100	Zinc/Galv

**Short Spring Nuts also available*



SPRING NUT WITH NO SPRING

CODE	DESCRIPTION	PACK QTY	FINISH
NUT-M8SNSZ	M8	100	Zinc
NUT-M10SNSZ	M10	100	Zinc
NUT-M12SNSZ	M12	100	Zinc



SPEED NUT

CODE	DESCRIPTION	PACK QTY	FINISH
NUT-M10SNZ	M10	100	Zinc

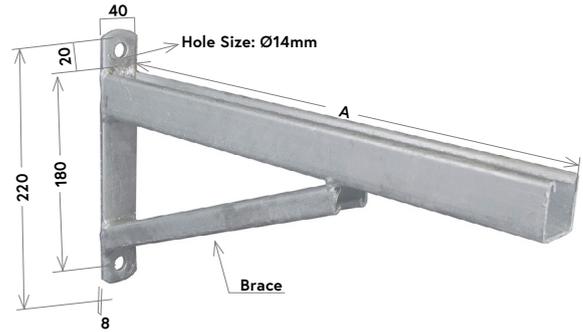


TOP HUNG SPEED NUT

CODE	DESCRIPTION	PACK QTY	FINISH
NUT-M10THZ	M10	100	Zinc

CANTILEVER BRACKETS - BRACED (HDG)

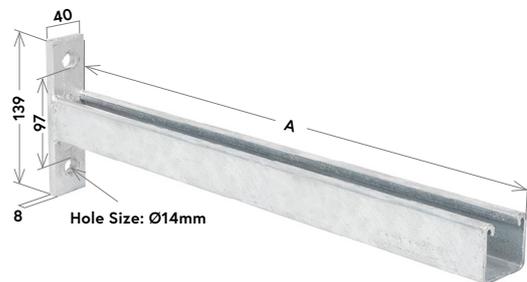
CODE	LENGTH MM (A)
ORB-CB320G	320
ORB-CB470G	470
ORB-CB635G	635
ORB-CB780G	780
ORB-CB930G	930
ORB-CB1080G	1080



**Custom sizes and finishes available on request.*

CANTILEVER BRACKETS - UNBRACED (HDG)

CODE	LENGTH MM (A)
ORB-CBU150G	150
ORB-CBU300G	300
ORB-CBU450G	450
ORB-CBU600G	600
ORB-CBU700G	700
ORB-CBU1000G	1000



**Custom sizes and finishes available on request.*

ROD STIFFENER

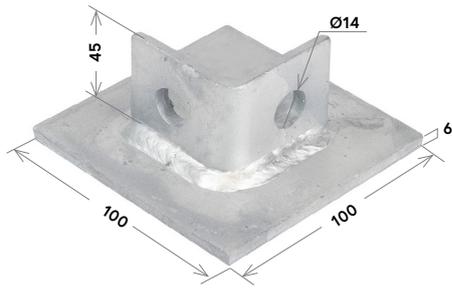
CODE	DESCRIPTION	PACK QTY	FINISH
HTRS-3PCE10	M10	100	Zinc
HTRS-3PCE10G	M10	100	Galv
HTRS-3PCE12	M12	100	Zinc
HTRS-3PCE12G	M12	100	Galv



T-NUT

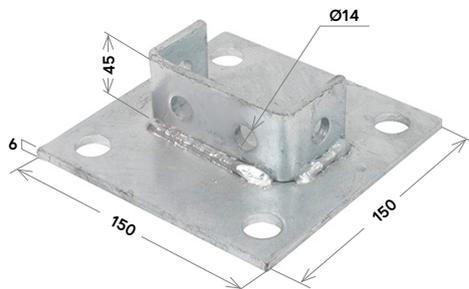
CODE	DESCRIPTION	PACK QTY	FINISH
NUT-M10STZ	M10	100	Zinc





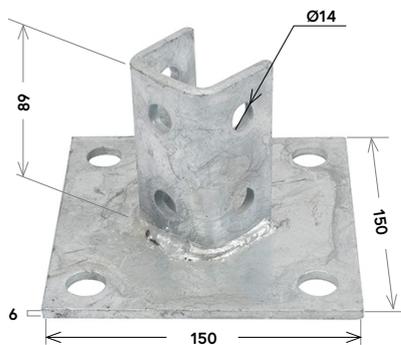
STRUT BASE PLATE 40 X 100 (HDG)

CODE	DESCRIPTION	PACK QTY	TO SUIT
ORB-2072SIG	100 x 100 x 45	20	ORB-1000T



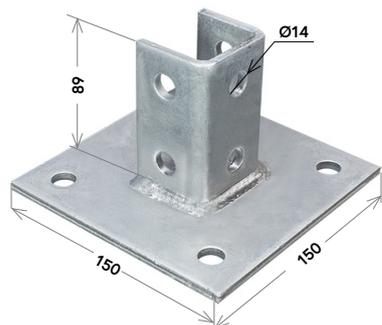
BASE PLATE 150 ANGLE (HDG)

CODE	DESCRIPTION	PACK QTY	TO SUIT
ORB-2073G	150 x 150 x 45	10	ORB-3300T



BASE PLATE 150 ANGLE (HDG)

CODE	DESCRIPTION	PACK QTY	TO SUIT
ORB-2072AG	150 x 150 x 89	10	ORB-1000T

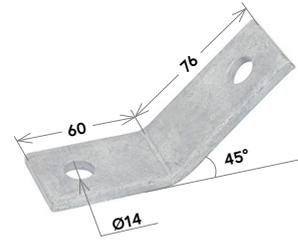


STRUT BASE PLATE 150 SQUARE

CODE	DESCRIPTION	PACK QTY	TO SUIT	FINISH
ORB-2072BG	150 x 150 x 89	10	ORB-1000T	Galv
ORB-2072BSS	150 x 150 x 89	10	ORB-1000T	S/S

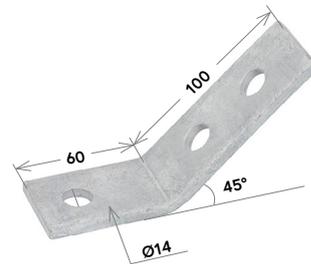
ANGLE BRACKET - EXTERNAL ANGLE 45°

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1546G	76 x 60	100	Galv
ORB-1546SS	76 x 60	100	S/S



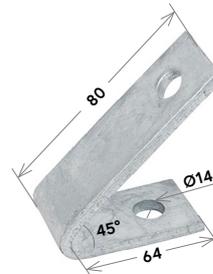
ANGLE BRACKET - SEISMIC ANGLE 45°

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1546-3H	100 x 60	100	Galv



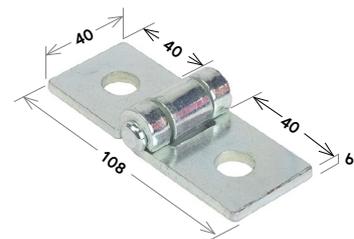
ANGLE BRACKET - INTERNAL ANGLE 45°

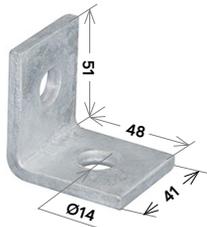
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1186G	80 x 64	100	Galv



HINGE ANGLE BRACKET

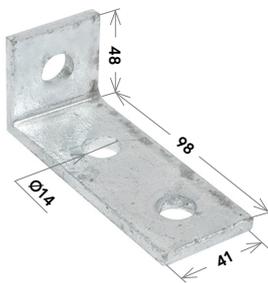
CODE	DESCRIPTION	THICKNESS	PACK QTY	FINISH
ORB-1843G	2 hole - 40 x 40	6mm	100	Zinc/Galv
ORB-1354AG	3 hole - 40 x 90	6mm	50	Zinc/Galv
ORB-1354G	4 hole - 90 x 90	6mm	50	Zinc/Galv





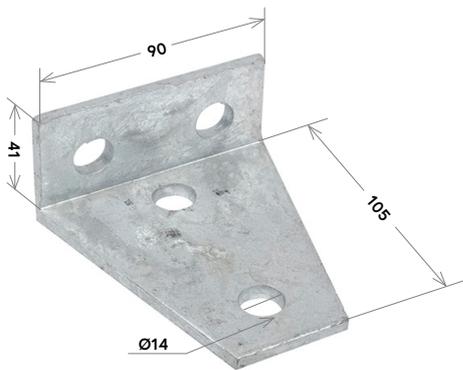
ANGLE BRACKET - 2 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1026G	48 x 51	200	Galv
ORB-1026SS	48 x 51	200	S/S



ANGLE BRACKET - 3 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1326G	98 x 48	10	Galv

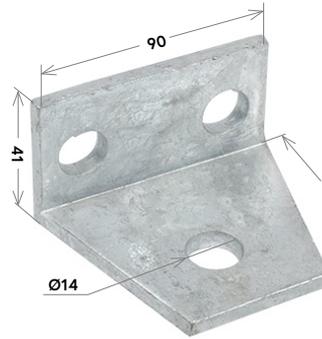


ANGLE BRACKET - WIDE ANGLE TEE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1359G	105 x 90	10	Galv

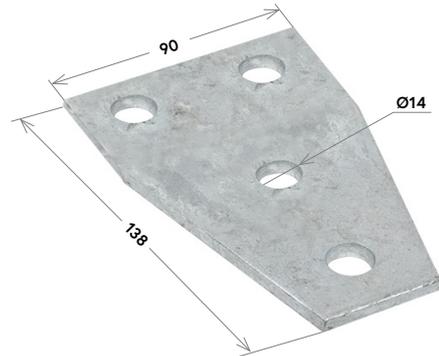
ANGLE BRACKET - NARROW ANGLE TEE

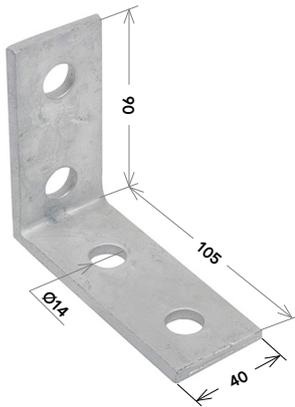
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1357G	57 x 90	10	Galv



FLAT ANGLE BRACKET

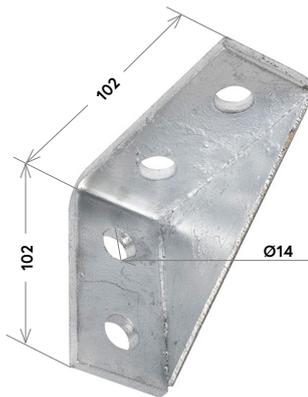
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1358G	138 x 90	10	Galv





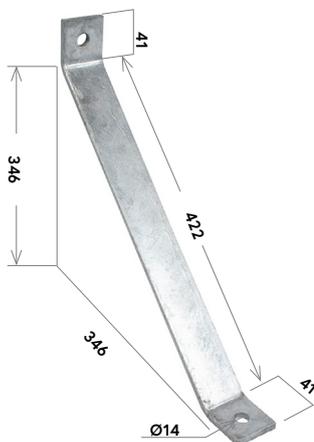
ANGLE BRACKET - 4 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1325G	105 x 90	10	Galv



ANGLE BRACKET - 4 HOLE BRACED

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2484G	102 x 102	10	Galv

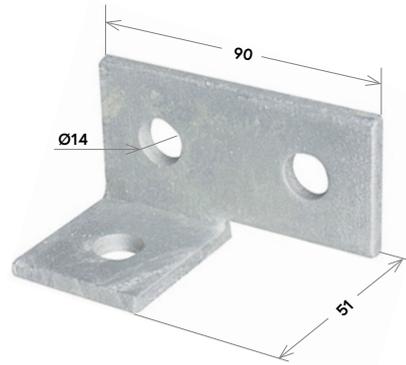


BRACE FITTING - ANGLE BRACE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2452G	41 x 346 x 422	100	Galv

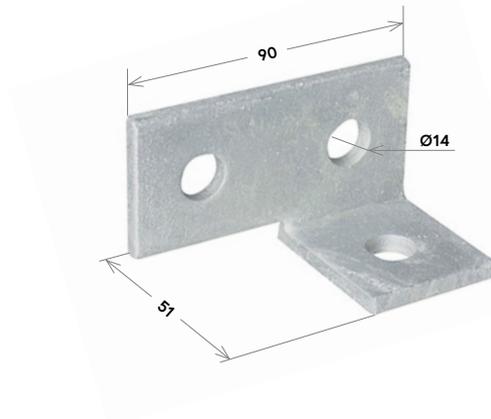
WINGED FITTING - LEFT

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1038G	90 x 51	10	Galv



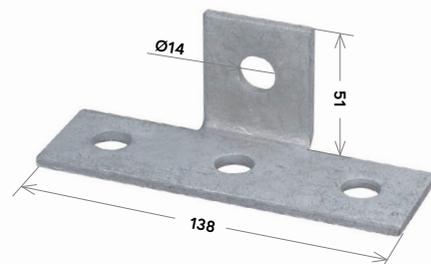
WINGED FITTING - RIGHT

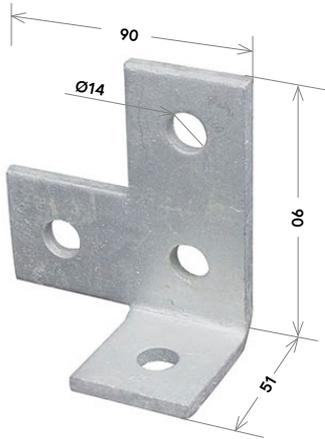
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1037G	90 x 51	10	Galv



WINGED FITTING - TEE

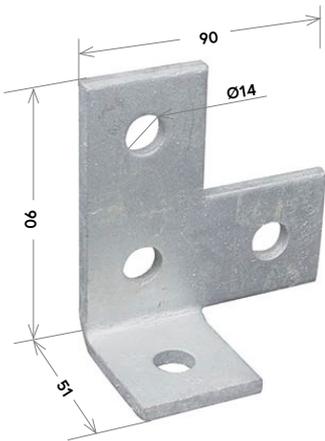
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1033G	138 x 51	10	Galv





WINGED FITTING - LEFT

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1034G	90 x 90 x 51	10	Galv



WINGED FITTING - RIGHT

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1035G	90 x 90 x 51	10	Galv

ROD BASE PLATE PRESSED			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-BP10Z	M10	50	Zinc
ORB-BP10A4	M10	50	S/S
ROD BASE PLATE WELDED BOSS			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-BP10Z-B	M10	50	Zinc
ORB-BP10G-B	M10	50	Galv

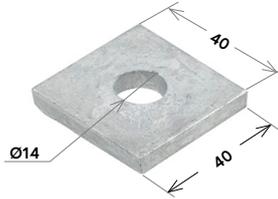


ROD BASE PLATE 45°			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-BPH10Z	M10	50	Zinc
ORB-BPH10G	M10	50	Galv



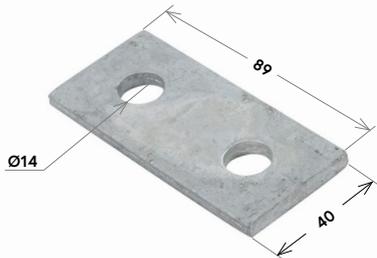
ROD BASE PLATE VERTICAL			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-BPV10Z	M10	50	Zinc
ORB-BPV10G	M10	50	Galv
ORB-BPV12Z	M12	50	Zinc
ORB-BPV12G	M12	50	Galv





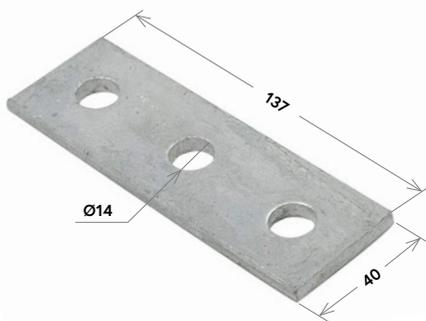
FLAT PLATE FITTING - 1 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
W8X40SQX3G	40 x 40 x 3mm x M8	100	Galv & SS
W10X40SQX3G	40 x 40 x 3mm x M10	100	Galv & SS
W12X40SQX3G	40 x 40 x 3mm x M12	100	Galv & SS
W16X40SQX3G	40 x 40 x 3mm x M16	100	Galv
W10X40SQX6G	40 x 40 x 6mm x M10	100	Galv
W12X40SQX6G	40 x 40 x 6mm x M12	100	Galv
W16X40SQX6G	40 x 40 x 6mm x M16	100	Galv



FLAT PLATE FITTING - 2 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1065G	40 x 89	100	Galv

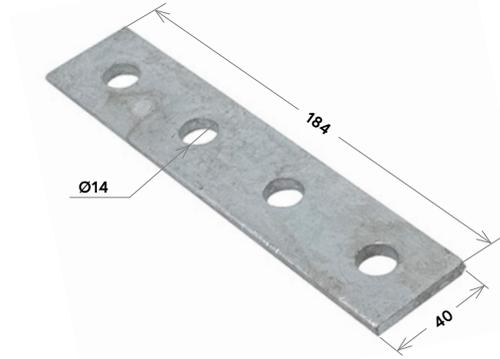


FLAT PLATE FITTING - 3 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1066G	40 x 137	50	Galv

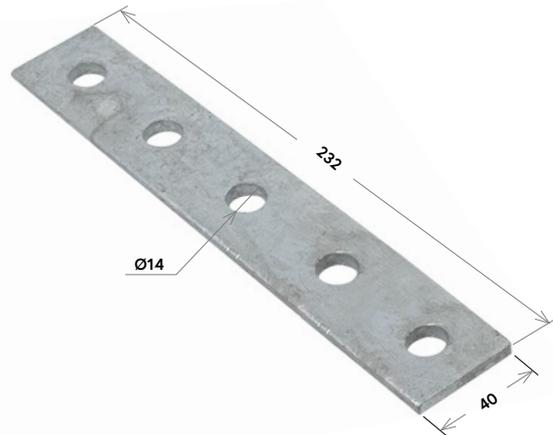
FLAT PLATE FITTING - 4 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1067G	40 x 184	20	Galv



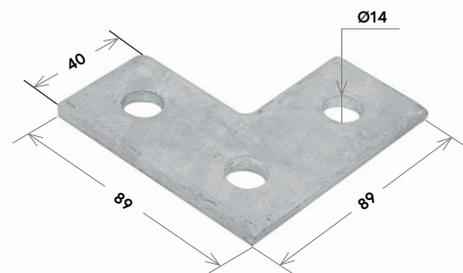
FLAT PLATE FITTING - 5 HOLE

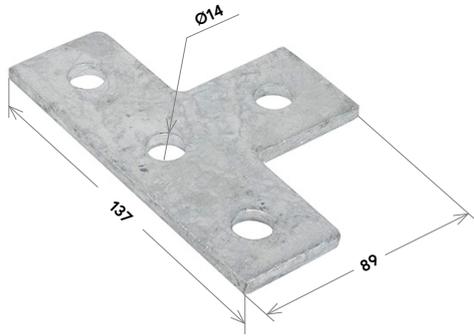
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1941G	40 x 232	20	Galv



FLAT PLATE FITTING - RIGHT ANGLE

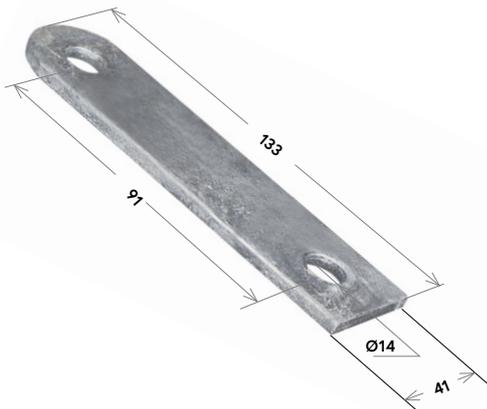
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1036G	89 x 89	20	Galv





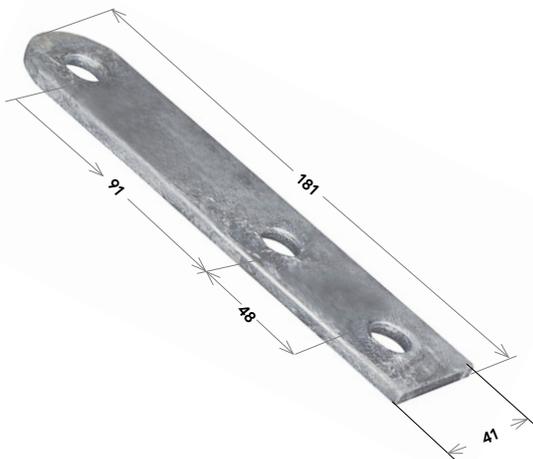
FLAT PLATE FITTING - TEE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1031G	89 x 137	20	Galv



FLAT PLATE FITTING - 2 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2325G	91 x 133	20	Galv

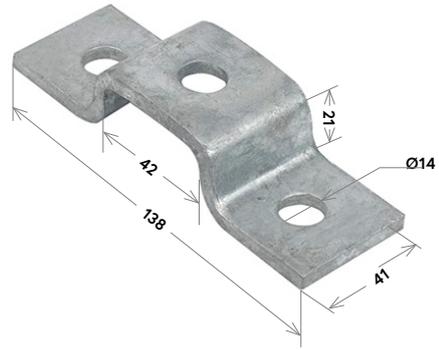


FLAT PLATE FITTING - 3 HOLE

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2324G	91 x 181	20	Galv

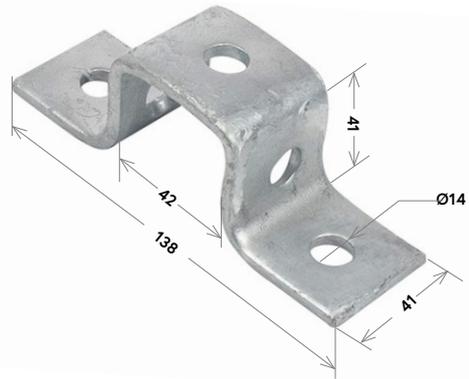
U SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-4047G	42 x 21 x 138	40	Galv



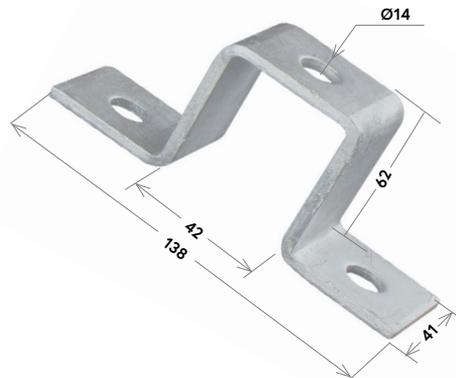
U SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1047G	42 x 41 x 138	20	Galv



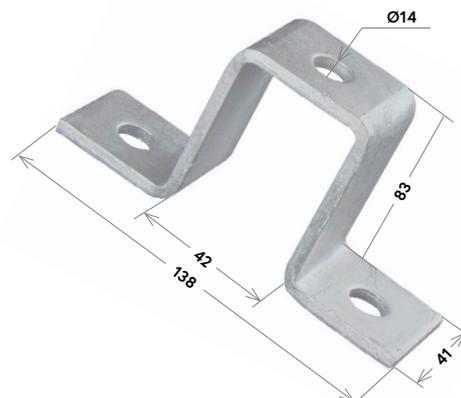
U SHAPED BRACKET

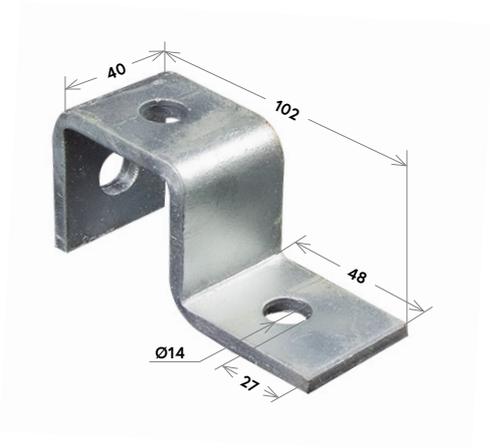
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-5547G	42 x 62 x 138	10	Galv



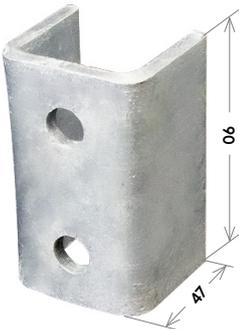
U SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1737G	42 x 83 x 138	10	Galv





U SHAPED BRACKET			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1046G	48 x 102	10	Galv



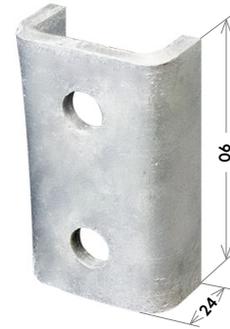
U SHAPE STRUT JOINER			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1376G	47 x 90	10	Galv



U SHAPED BRACKET			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1377G	47 x 186	10	Galv

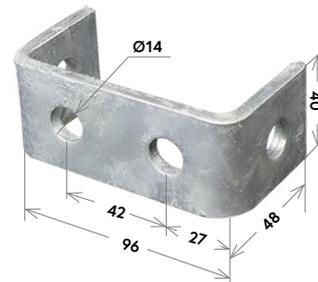
U SHAPE STRUT JOINER

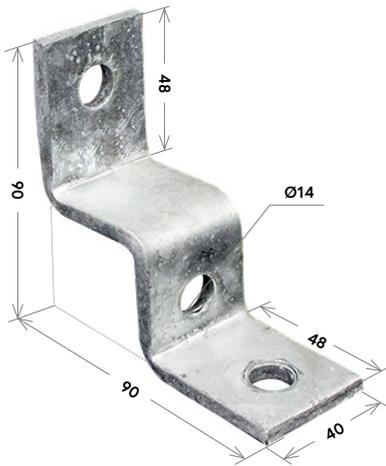
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-4376G	24 x 90	10	Galv



U SHAPE STRUT JOINER

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1044G	48 x 96	10	Galv





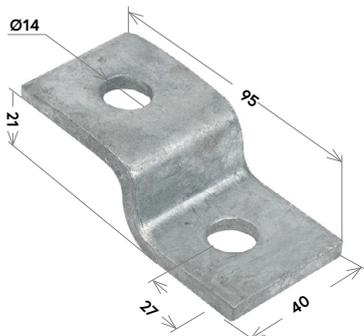
Z SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1736G	40 x 90 x 90	10	Galv



Z SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-1045G	40 x 45 x 94	10	Galv

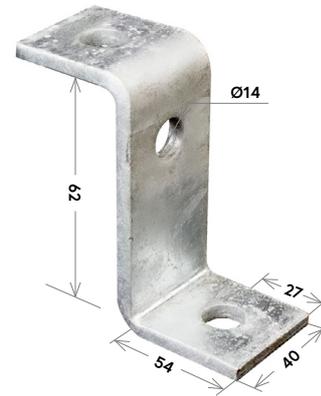


Z SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-4045G	40 x 25 x 95	10	Galv

Z SHAPED BRACKET

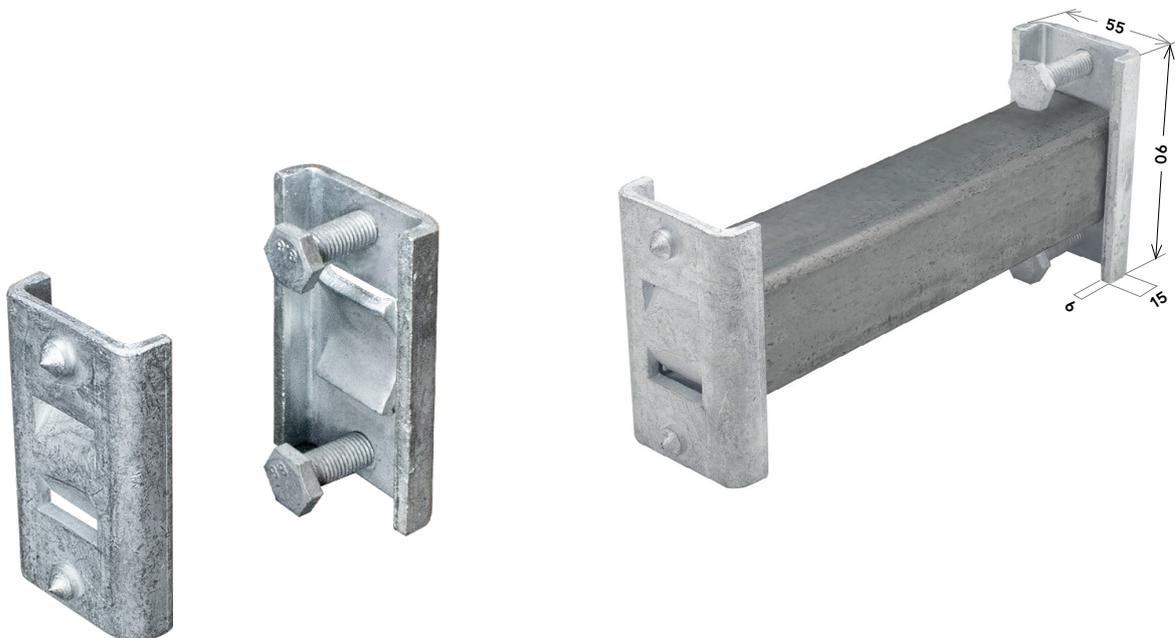
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-5545G	40 x 65 x 90	10	Galv

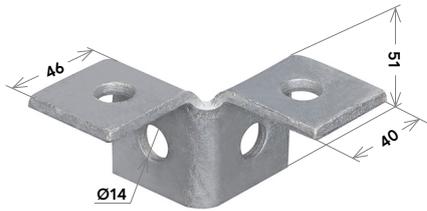


MOUNTING PLATES

CODE	STRUT	PULLOUT LOAD	SLIP LOAD
ORB-3087G	ORB-1000G	4.41kN	3.53kN
ORB-3087G	ORB-3000G	4.41kN	1.32kN

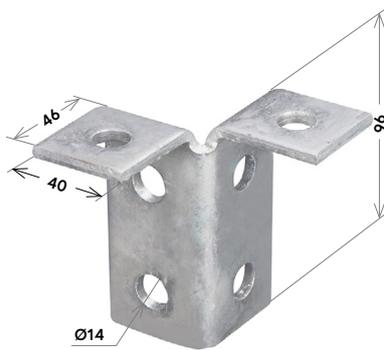
**2 cone pointed screws included per plate*





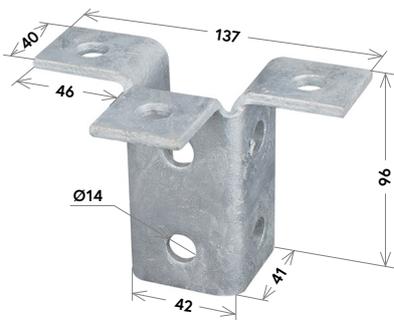
WING SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2223G	46 x 51	10	Galv



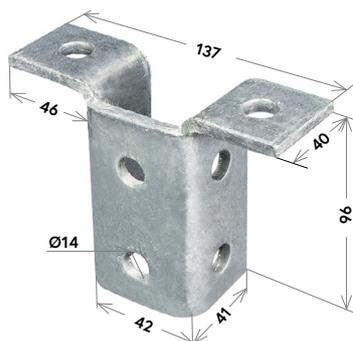
WING SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2224G	46 x 96	10	Galv



WING SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2228G	46 x 96 x 137	10	Galv



WING SHAPED BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2346G	46 x 96 x 137	10	Galv

BEAM CLAMPS FOR THREADED ROD

CODE	DESCRIPTION	PACK QTY
ORB-UCBCH10	M10	50
ORB-UCBCH12	M12	50



BEAM STRAP

CODE	DESCRIPTION	PACK QTY
ORB-1379	82 x 25	20

**Use in pairs only*



UNIVERSAL JOINT

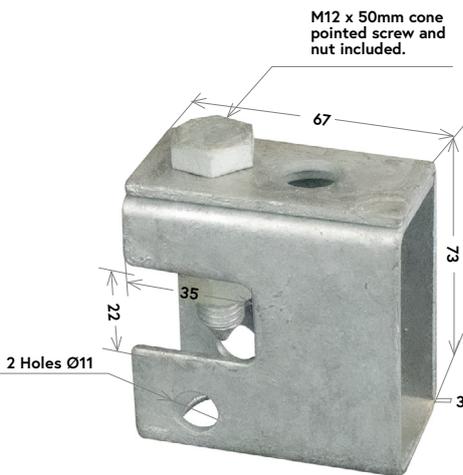
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-UJ-3PCE-10	M10	25	Zinc
ORB-UJ-3PCE-12	M12	25	Zinc



BEAM STRAP ZINC PLATE

CODE	DESCRIPTION	FINISH
UCBCRS400	400mm Retaining Strap for Beam Clamps	Zinc





M12 x 50mm cone pointed screw and nut included.

67

73

35

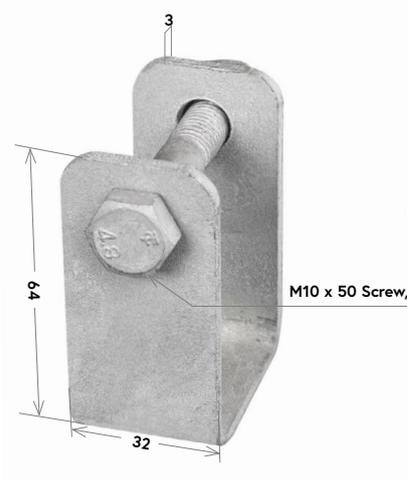
22

2 Holes Ø11

3

SWIVEL BEAM CLAMP

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2676G	67 x 73	1	Galv



3

64

32

M10 x 50 Screw, nut and lock washer included

HANGER FOR ORB-2676G

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-2683G	64 x 32	1	Galv



76

22

6

127

86

*Use in pairs only

BEAM CLAMPS - ADJUSTABLE

CODE	DESCRIPTION	PACK QTY
ORB-2785G	76 x 86	10
ORB-2786G	76 x 127	10

BEAM CLAMPS - LOCKING

CODE	DESCRIPTION	PACK QTY
ORB-1386G	13 x 48	20

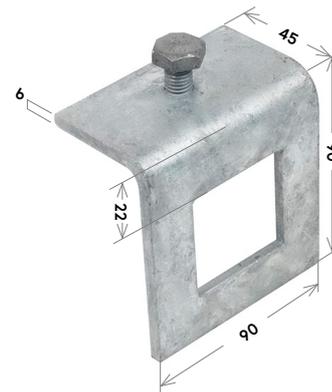
**Use in pairs only*



BEAM CLAMPS - WINDOW BRACKET

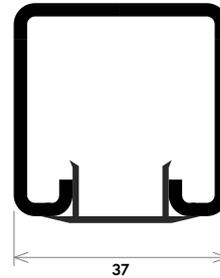
CODE	DESCRIPTION	PACK QTY
ORB-1796G	Window Bracket	20

**Use in pairs only*





STRUT COVER			
CODE	TYPE	LENGTH	PACK QTY
SC41X3	Plastic	3 Metre	10



STRUT END CAP		
CODE	TYPE	PACK QTY
ORB-SSE41X41	Plastic	10



STRUT END CAP		
CODE	TYPE	PACK QTY
ORB-SSE41X21	Plastic	10

CABLE TRAY

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CT3150PG	150 X 50 X 3000	1	Pre-Galv & HDG
ORB-CT3300PG	300 X 50 X 3000	1	Pre-Galv & HDG
ORB-CT3450PG	450 X 50 X 3000	1	Pre-Galv & HDG
ORB-CT3600PG	600 X 50 X 3000	1	Pre-Galv & HDG

**Tray Covers and Barrier Strip also available on request.*



CABLE TRAY CORNER BRACKET

CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CT3TXH	50 X 150	1	Pre Galv & HDG



RADIUS PLATE (BENDS) - ADJUSTABLE			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CT3RP	50 X 3000	1	Pre Galv & HDG



SPLICE BOLT			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CTSB10Z	M10	100	Zinc & HDG

SPLICE NUT			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CTSN10Z	M10	100	Zinc & HDG



CABLE TRAY SPLICE PLATE			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CT3S	45 X 180	1	Pre Galv & HDG



SIDE HOLD DOWN			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CT3HD	50 x 30	1	Pre Galv & HDG



LINK/RISER PLATE			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CT3RL	100 x 25	1	Pre Galv & HDG



CENTRE HOLD DOWN			
CODE	DESCRIPTION	PACK QTY	FINISH
ORB-CHDC	50 x 55	1	Pre Galv & HDG



CABLE CONTAINMENT

From heavy duty Cable Ladders to light weight Trays and Baskets, Orbital is your go to partner for sup



CABLE TRAY

Cable Tray is typically the most popular choice when running cable, allowing you to not only support but organise.

Cable Tray comes in 3m lengths and a range of widths between 150mm and 600mm. For any exposed or decorative Cable Tray, this can be powder coated any colour for added effect.

**Available in a range of laying depths and finishes, including Pre-Calv, HDG and Stainless.*



CABLE BASKET

Cable basket is typically used to support light weight and data cable. It's key benefits include speedy installation and excellent cable ventilation. Cable Basket comes in 3m lengths and widths between 50mm and 600mm. A full range of fittings and accessories are also available.

**Available in a range of laying depths and finishes, including Pre-Calv, HDG and Stainless.*

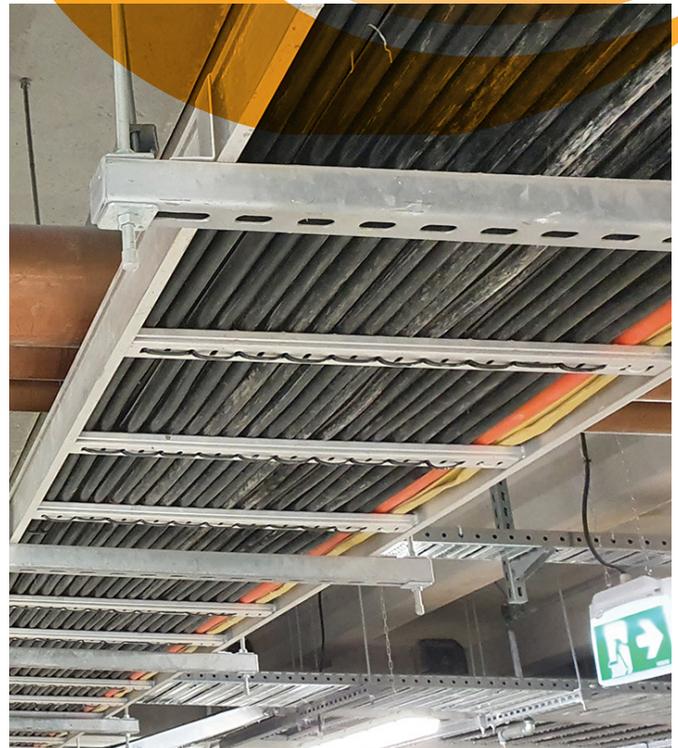
INMENT

Supporting your cable requirements.

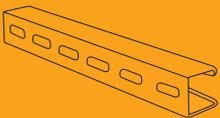


CABLE LADDER

Cable Ladder is designed to support heavy high-voltage cable. Available in Aluminium, HDG and Stainless, it comes in several different load ratings and cable laying depths. All tested to confirm with NEMA Standards, this full range includes risers and bends and comes in 6m lengths and in widths between 150mm and 900mm.

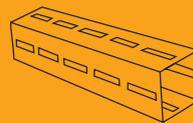


MODULAR SUPPORTS



STRUT

Strut is also used in combination with cable supports solutions, offering extra strength and bracing. One of the highlights of the Strut system is its ease of installation, which gives a time and money saving alternative to traditional support methods.



MODFRAME

Orbital's ModFrame is a Modular Framing System ideally suited to supporting cable ladders, large pipework and multi-service brackets. This time saving system eliminates the need for welding, drilling, and galvanizing. A heavy duty complement to cable support solutions.

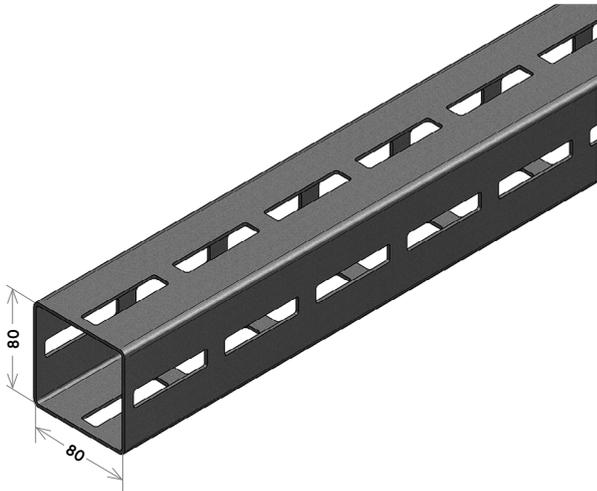




Modframe

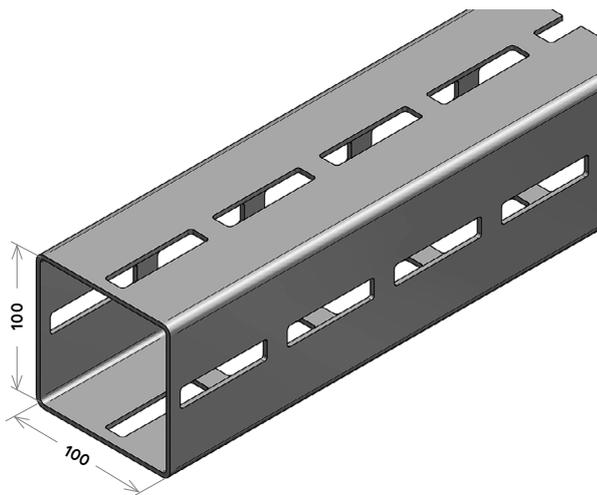
MOD 80 PROFILE

CODE	DESCRIPTION	LENGTH	FINISH
MOD-80HDG	80 x 80 x 2.5	6M	Galv

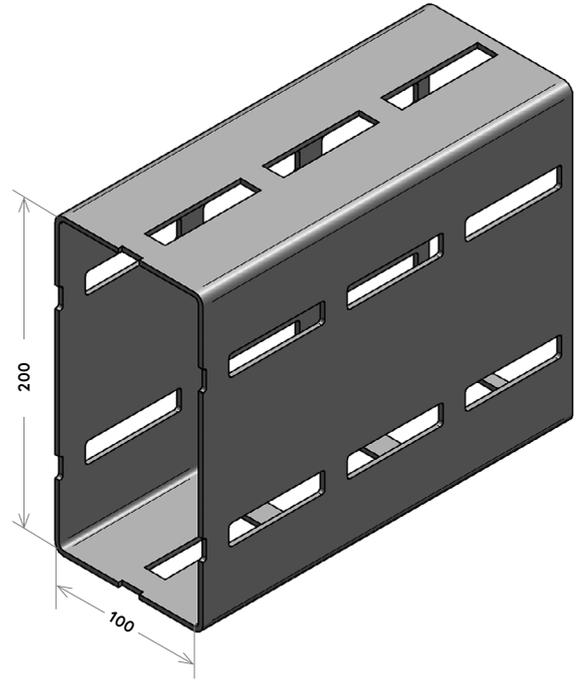


MOD 100 PROFILE

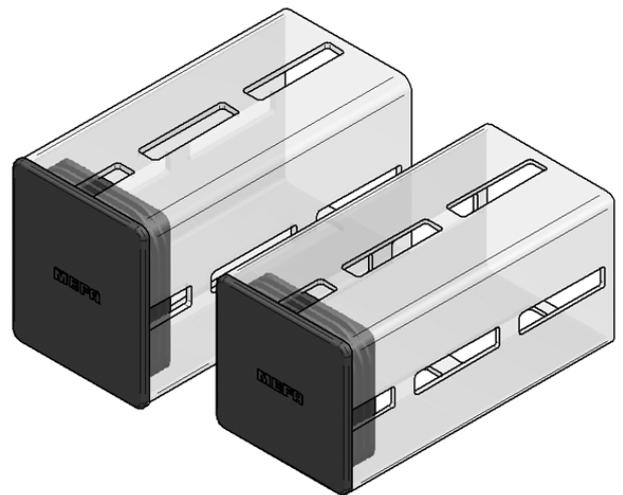
CODE	DESCRIPTION	LENGTH	FINISH
MOD-100HDG	100 x 100 x 3	6M	Galv



MOD 200 PROFILE			
CODE	DESCRIPTION	LENGTH	FINISH
MOD-200HDG	200 x 100 x 5	6M	Galv

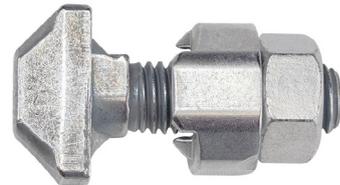
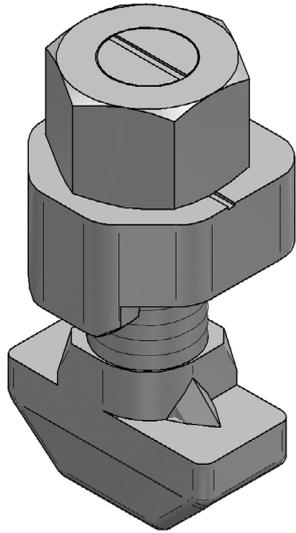


PROTECTING CAP			
CODE	DESCRIPTION	LENGTH	FINISH
MOD-80CAP	80 x 80	6M	Galv
MOD-100CAP	100 x 100	6M	Galv



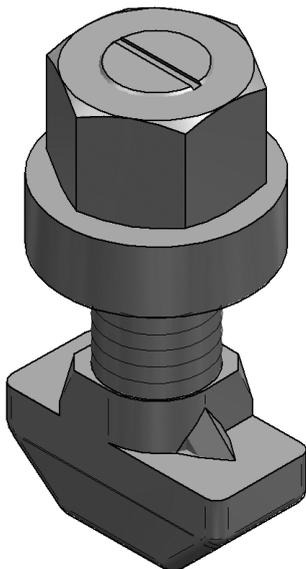
T-LOCK HEAD M12 X 40 TOOTHED

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-TB/S	12 x 40	1	Galv



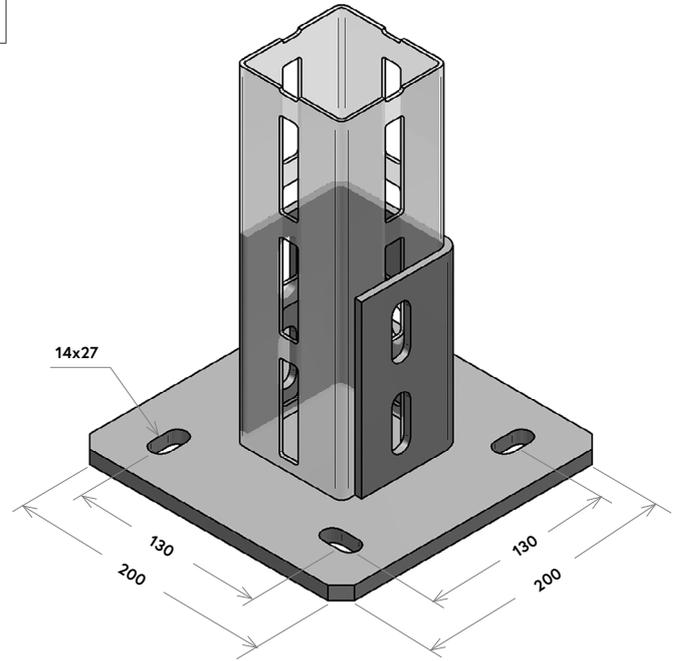
T-BOLT M12 X 40

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-TB/W	12 x 40	1	Galv



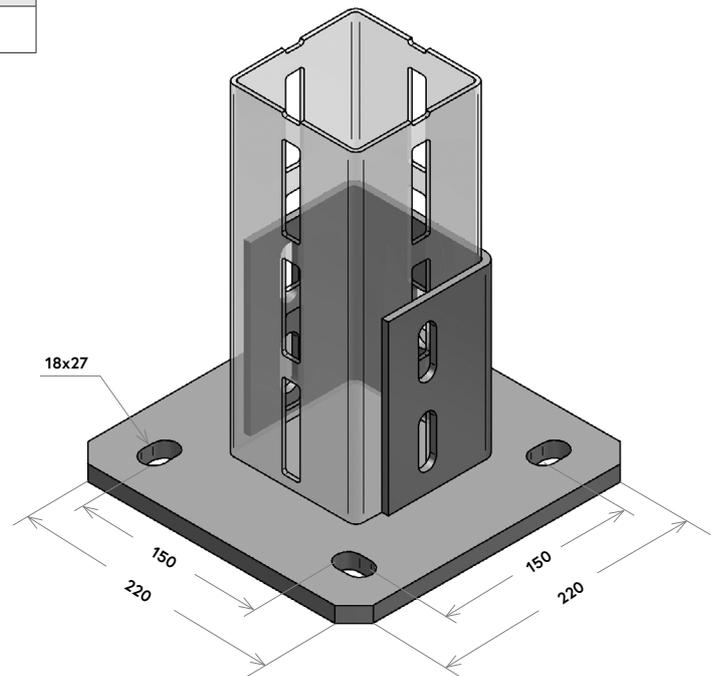
MOD 80 BASE PLATE

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80BP	200 x 200 x 10	1	Galv



MOD 100 BASE PLATE

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100BP	220 x 220 x 10	1	Galv

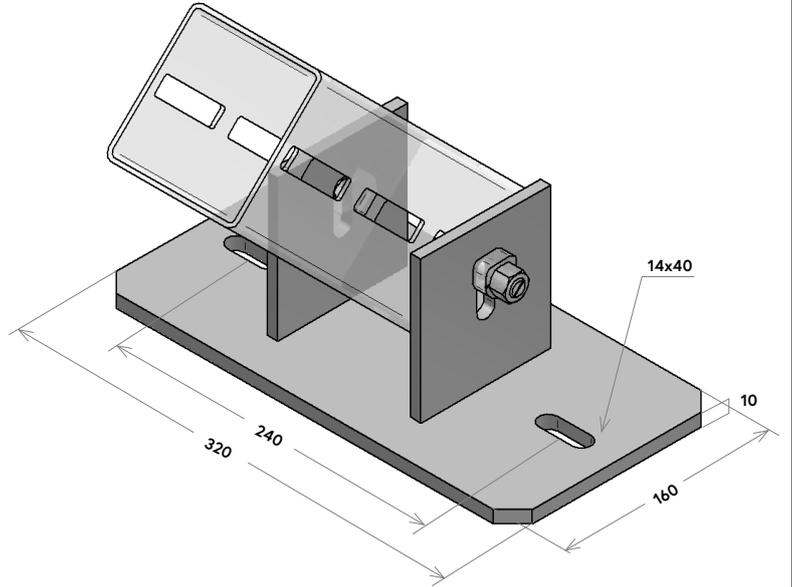


MOD 200 HOLDER			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-200BP	340 x 220 x 10	1	Galv

MOD 100 JOINT HOLDER VERTICAL			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100VHB	260 x 160 x 10	1	Galv

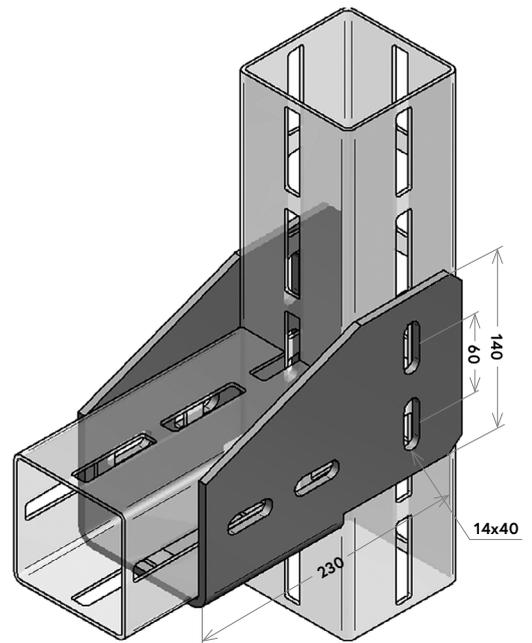
MOD 100 JOINT HOLDER HORIZONTAL

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100HHB	320 x 160 x 10	1	Galv



MOD 100 ANGLE-SHOE

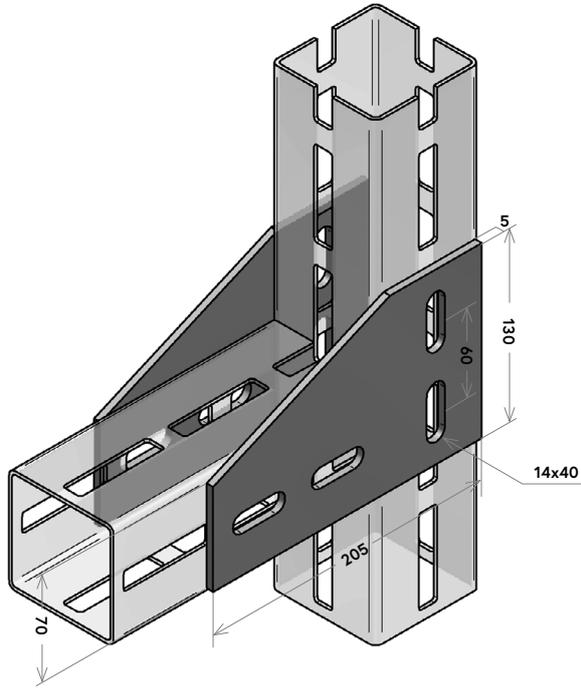
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100AS	230 x 140 x 100	1	Galv



MOD 80 CORNER PLATE

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80CP	205 x 130 x 6	1	Galv

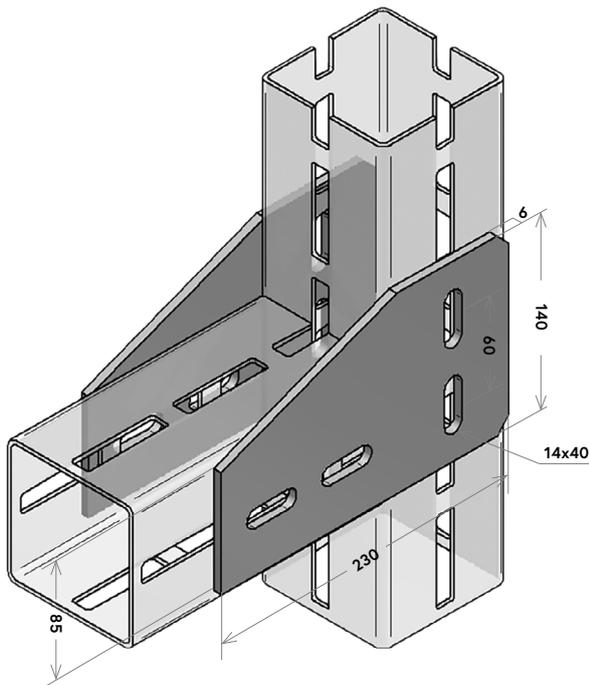
**Use in pairs only*



MOD 100 CORNER PLATE L

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100CP	230 x 140 x 6	1	Galv

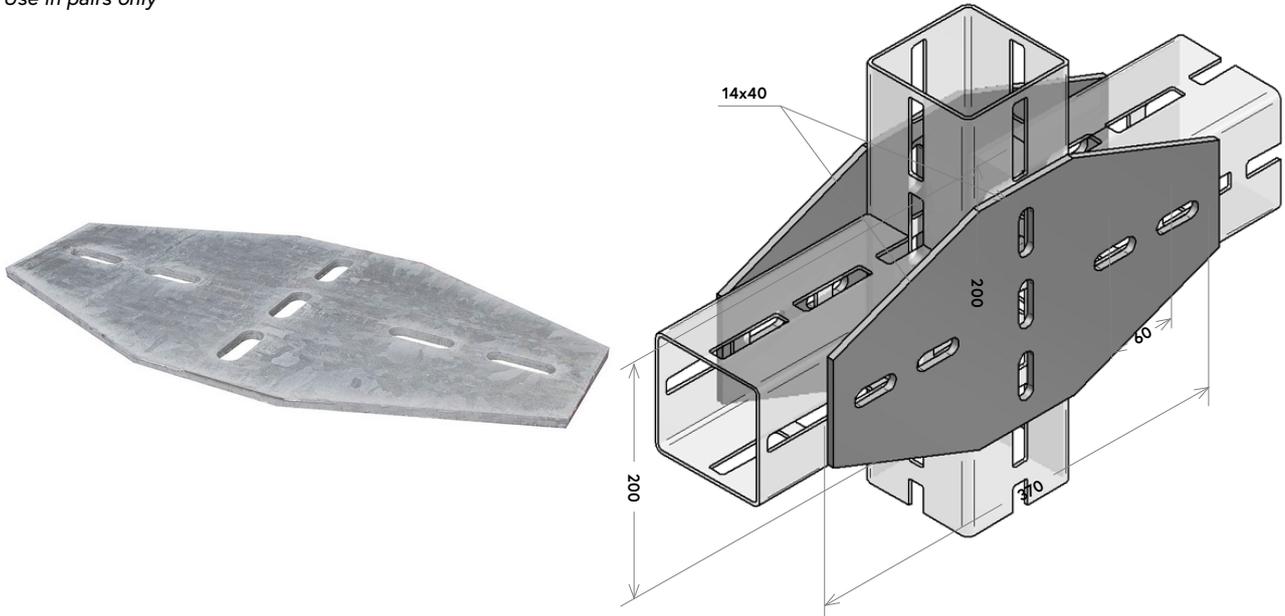
**Use in pairs only*



MOD 100 CROSS PLATE

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100XP	370 x 200 x 6	1	Galv

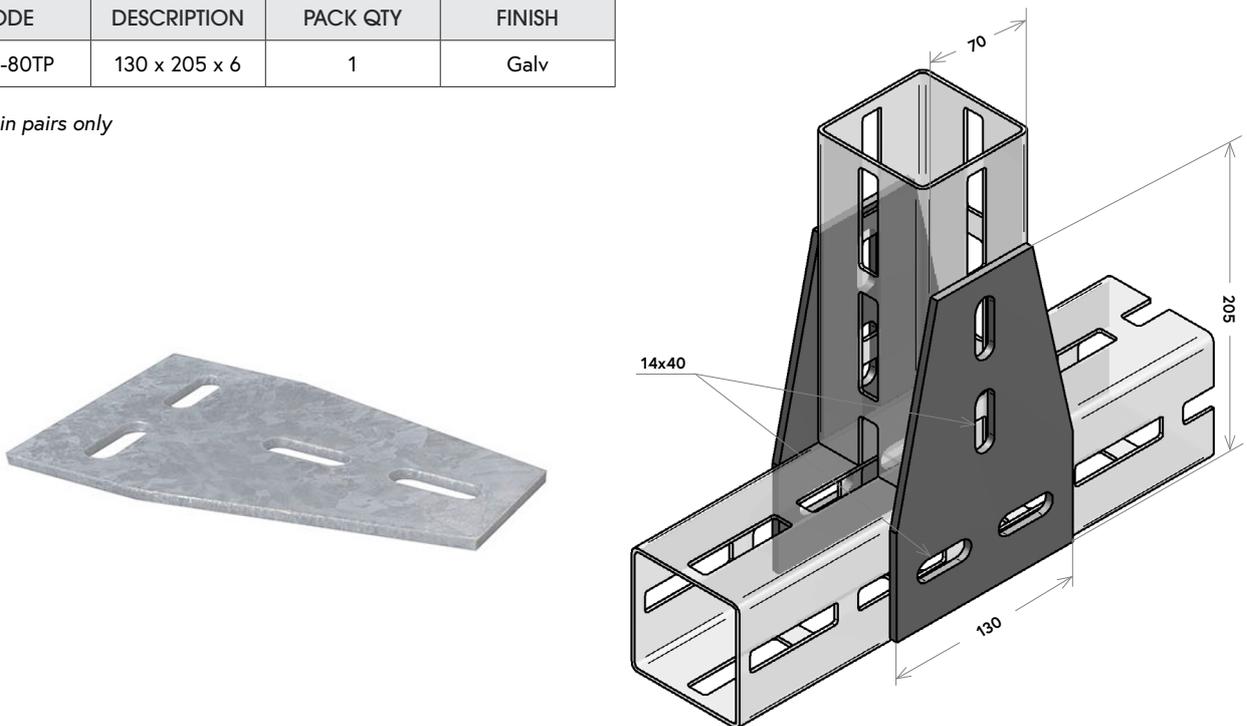
**Use in pairs only*

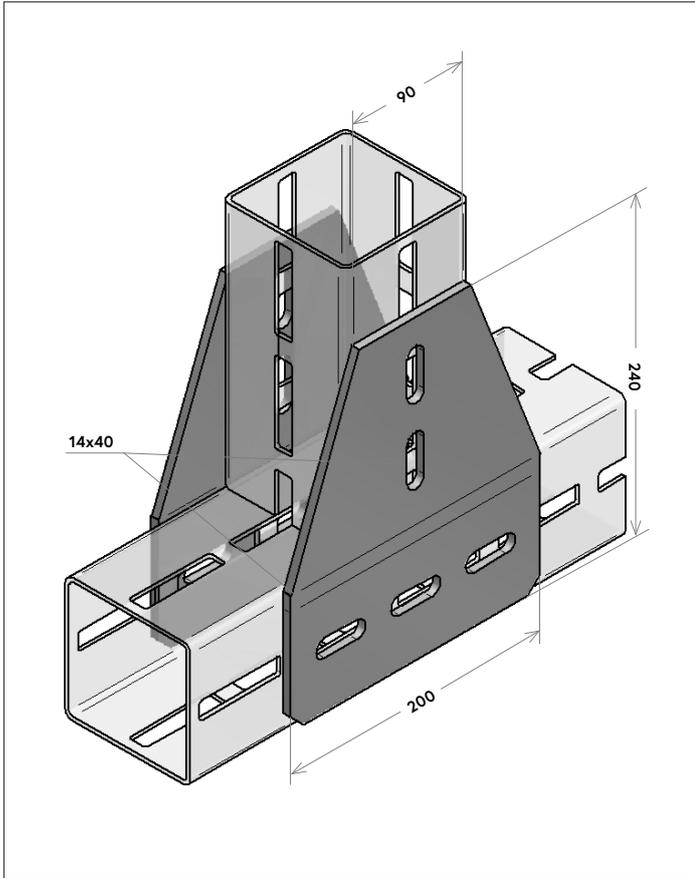


MOD 80 T-PLATE

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80TP	130 x 205 x 6	1	Galv

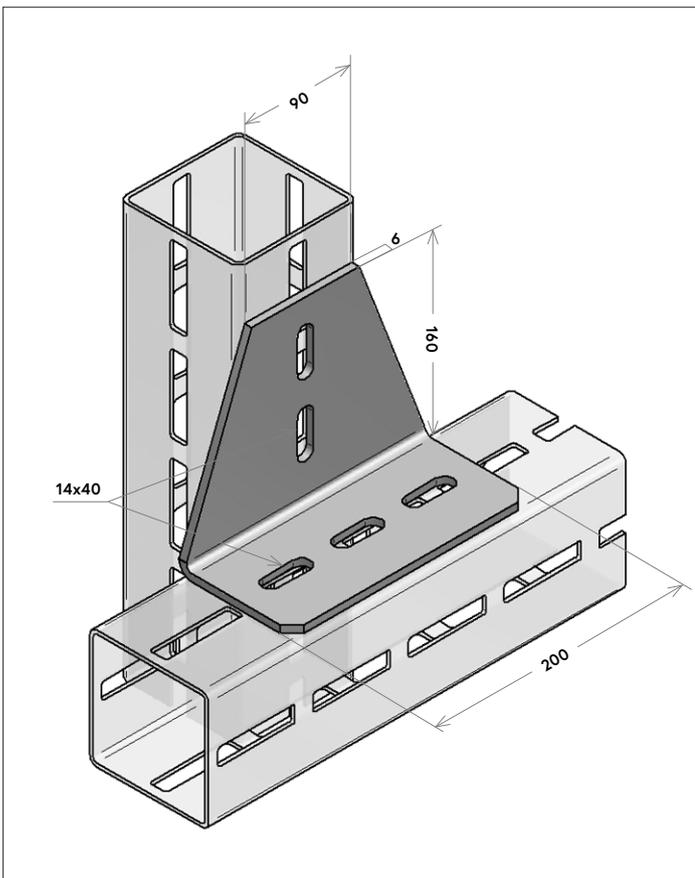
**Use in pairs only*





T-PLATE			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100TP	200 x 240 x 6	1	Galv

*Use in pairs only

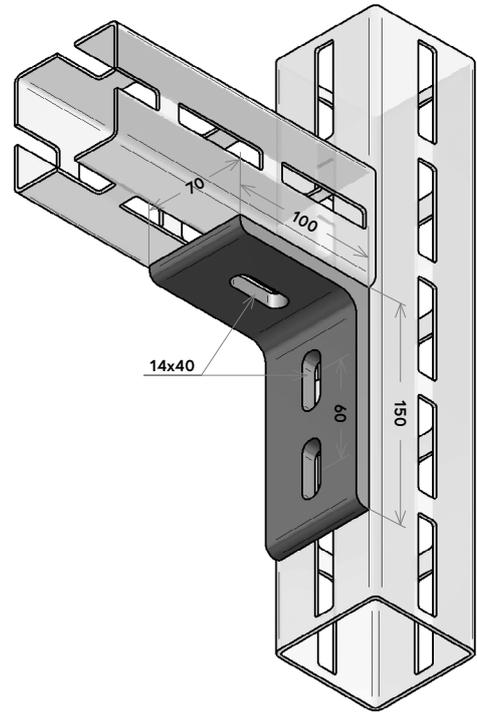


T-PLATE, ANGLED			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100ATP	200 x 160 x 6	1	Galv



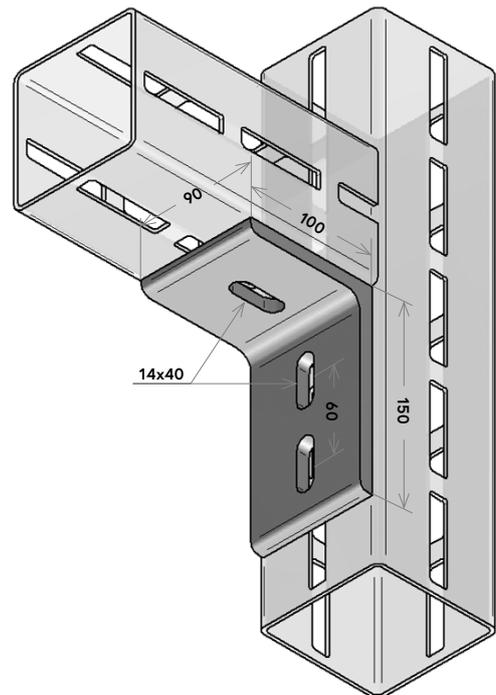
MOD 80, 3-HOLE ANGLE

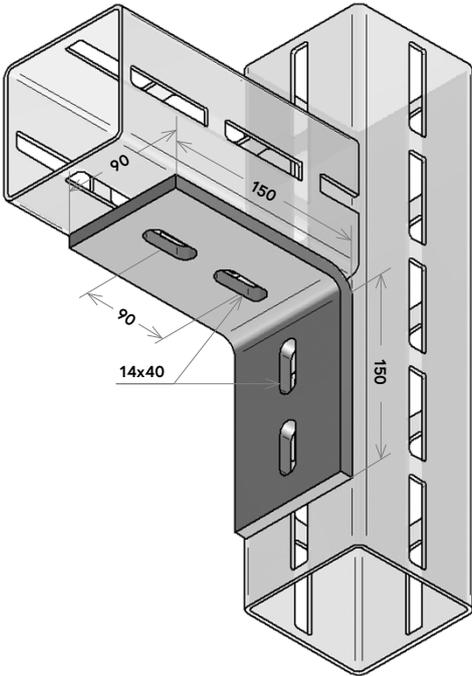
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80AB3H	150 x 100 x 70	1	Galv



MOD 100, 3-HOLE ANGLE

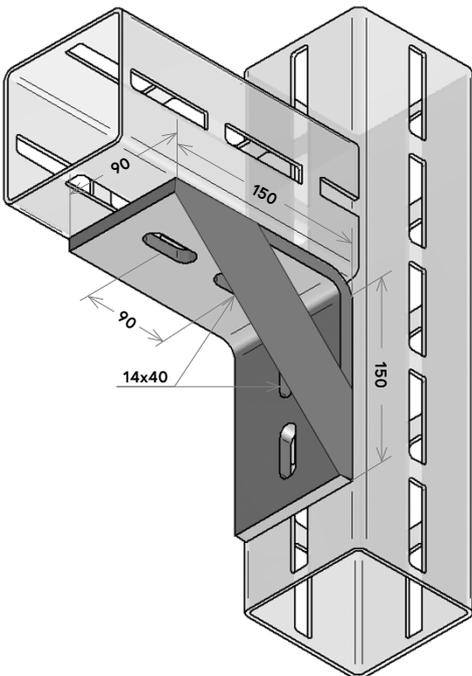
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100AB3H	150 x 100 x 90	1	Galv





MOD 100, 4-HOLE ANGLE

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100AB4H	150 x 150 x 90	1	Galv



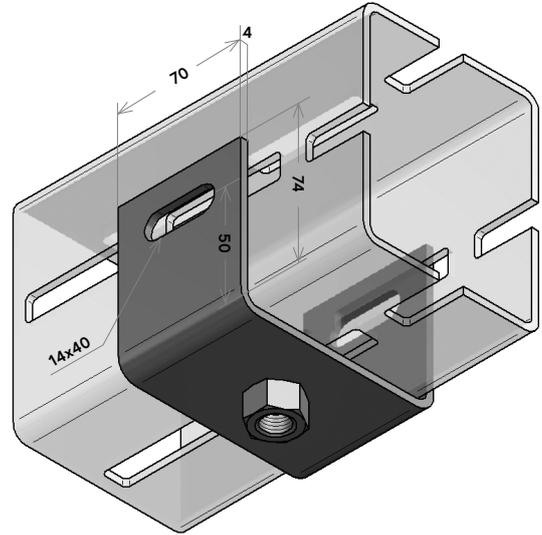
4-HOLE ANGLE WITH BRACE

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80AB4HB	150 x 150 x 70	1	Galv
MOD-100AB4HB	150 x 150 x 90	1	Galv



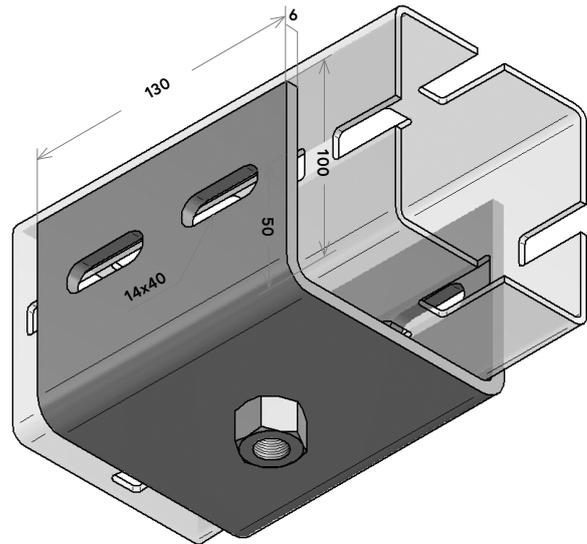
THREAD CONNECTOR

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100TC12	70 x 100 x 4	1	Galv
MOD-100TC16	70 x 100 x 4	1	Galv

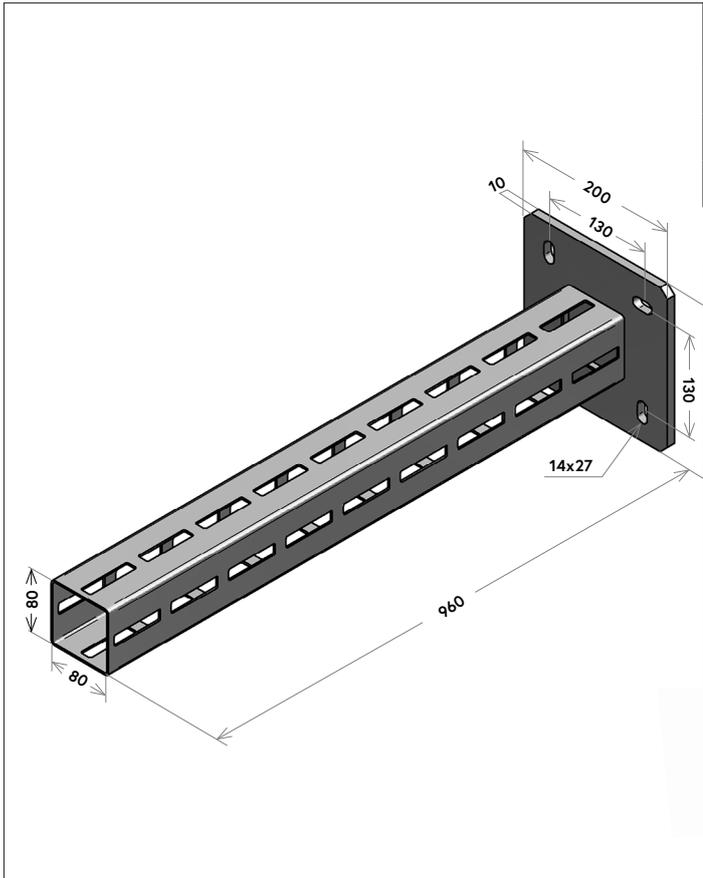


MASSIVE CONNECTOR

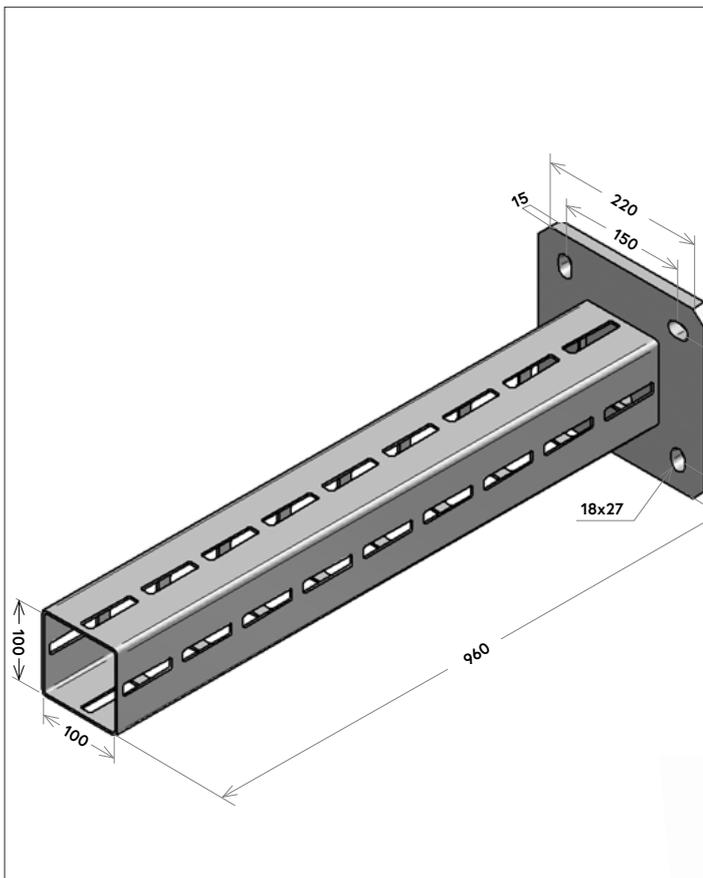
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100MTC16	130 x 100 x 6	1	Galv



MOD 80 CONSOLE			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80C960	80 x 80 x 960	1	Galv
MOD-80C1440	80 x 80 x 1440	1	Galv

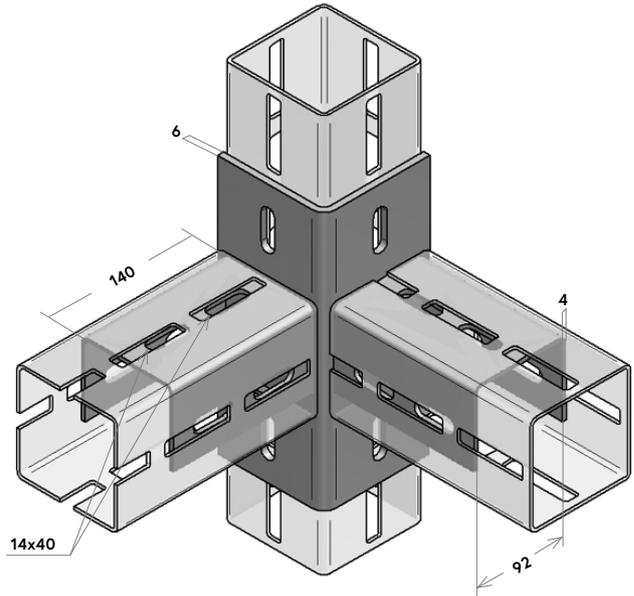


MOD 100 CONSOLE			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100C960	100 x 100 x 960	1	Galv
MOD-100C1440	100 x 100 x 1440	1	Galv



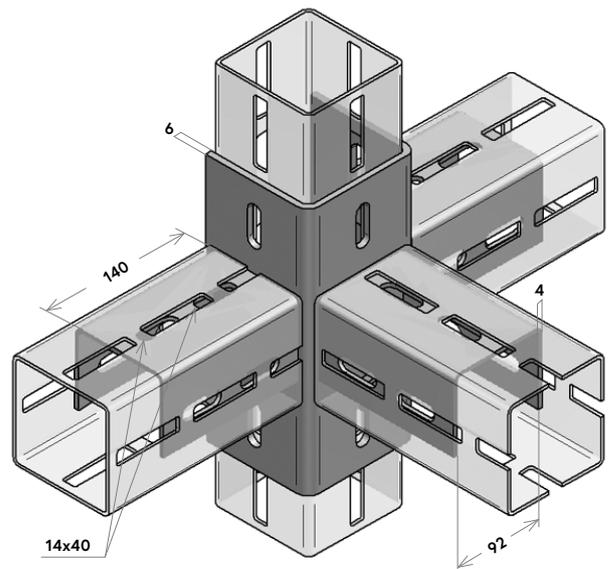
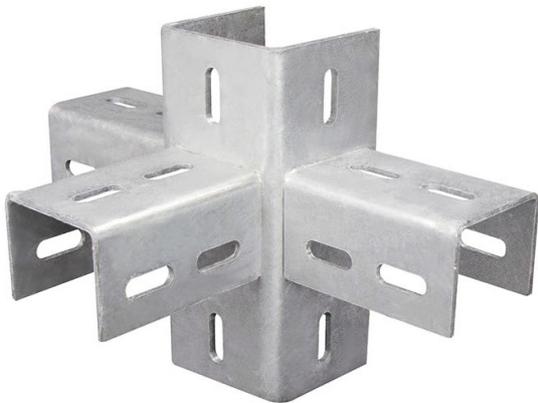
MOD 100 ANGLE COUPLER 90°

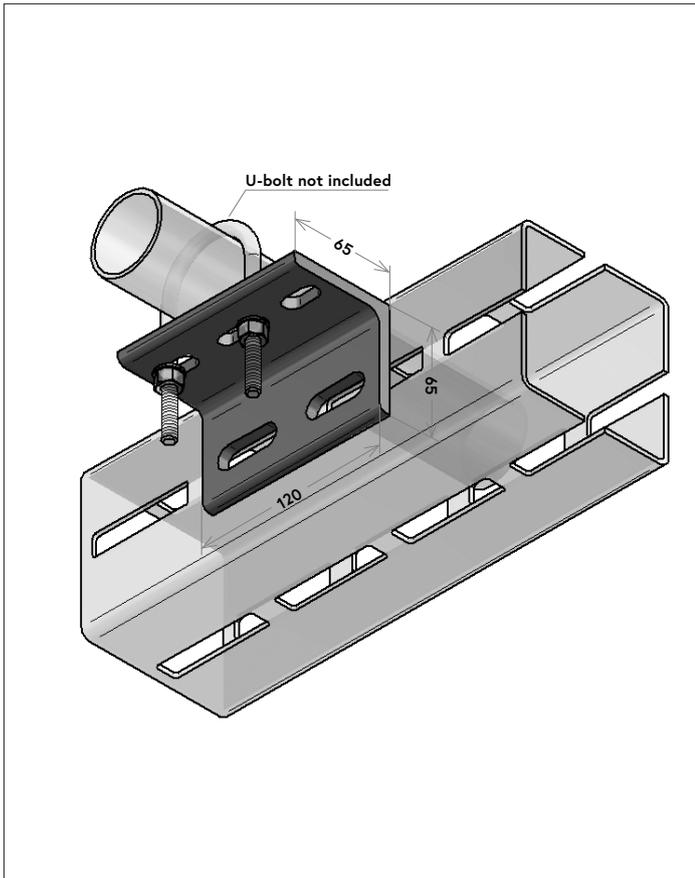
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100AC90	260 x 260	1	Galv



MOD 100 ANGLE COUPLER 180°

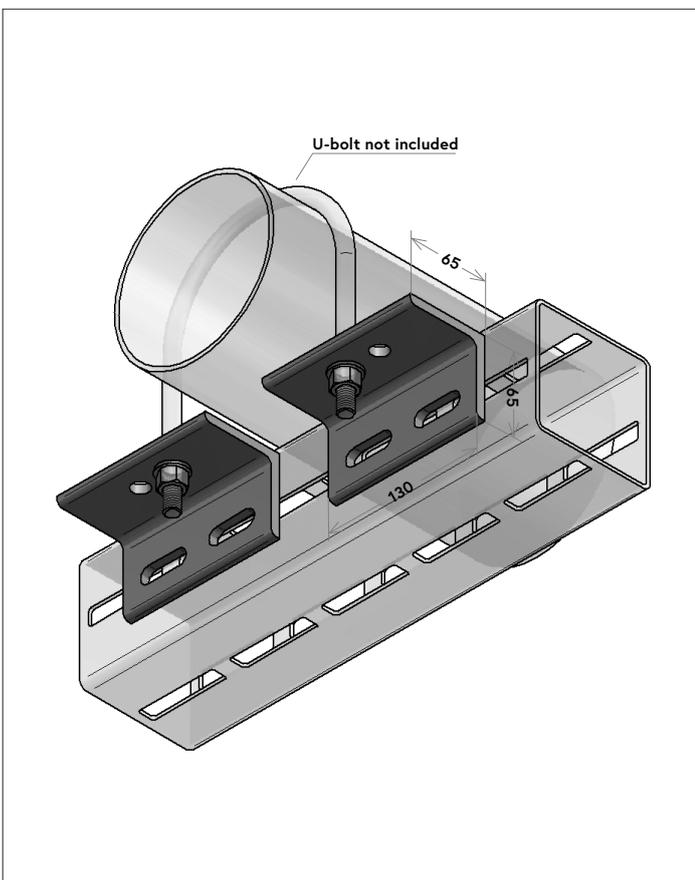
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100AC180	260 x 390	1	Galv





PIPE HOLDER M10 Ø21.3 - 76.1 MM

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-PH120X65	120 x 65	1	Galv



PIPE HOLDER M10 Ø88.9 - 219.1 MM

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-PH130X65	130 x 65	1	Galv

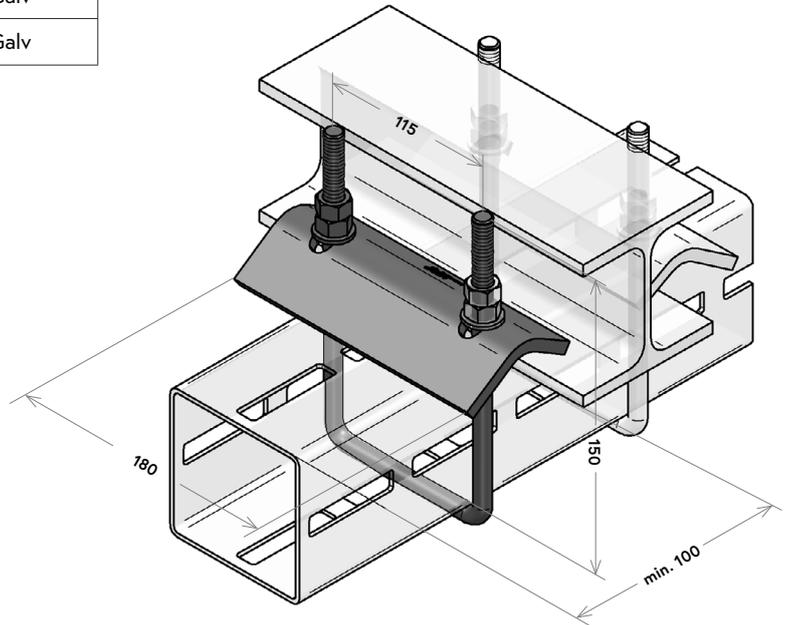
**Use in pairs only*



CLAMPING BOW

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80CB	80 x 150	1	Galv
MOD-100CB	100 x 150	1	Galv

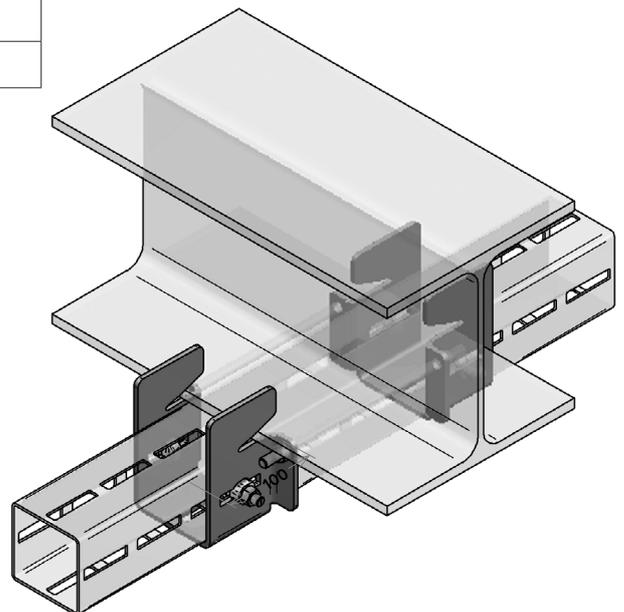
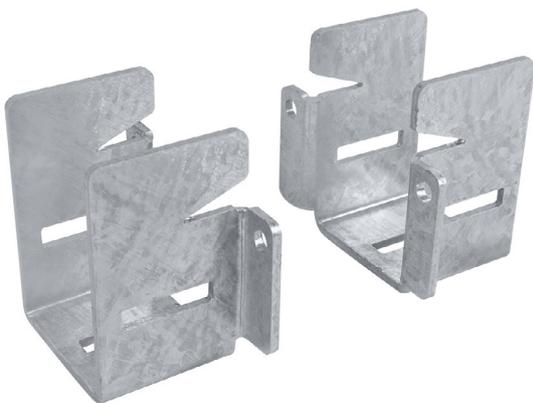
**Use in pairs only*

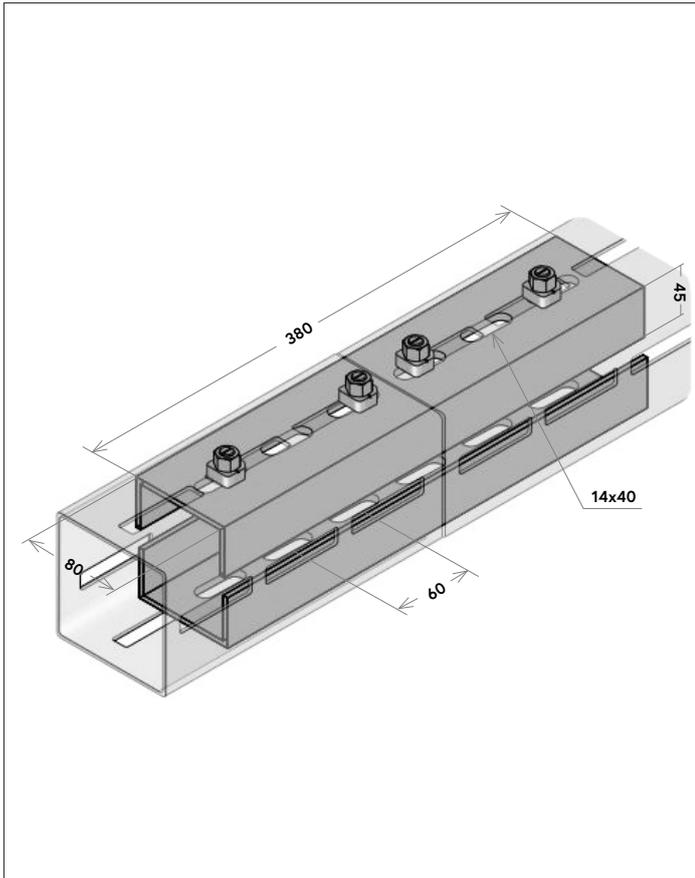


CLAMPING SHOE

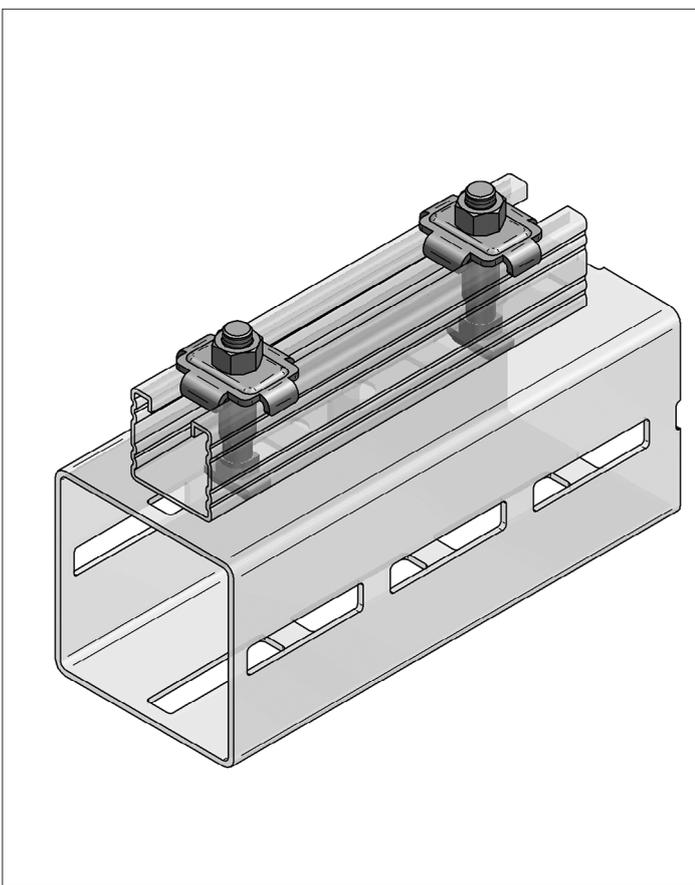
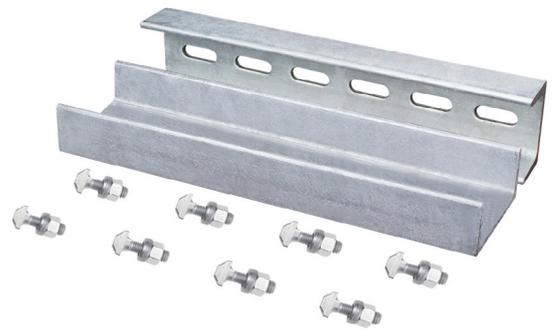
CODE	FLANGE THICKNESS	PACK QTY	FINISH
MOD-CS-100S	5-10	2	Galv
MOD-CS-100M	8-15	2	Galv
MOD-CS-100L	13-20	2	Galv
MOD-CS-100XL	19-30	2	Galv

**Use in pairs only*





CONNECTOR SET			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-80CS	380 x 80	1	Galv
MOD-100CS	380 x 100	1	Galv

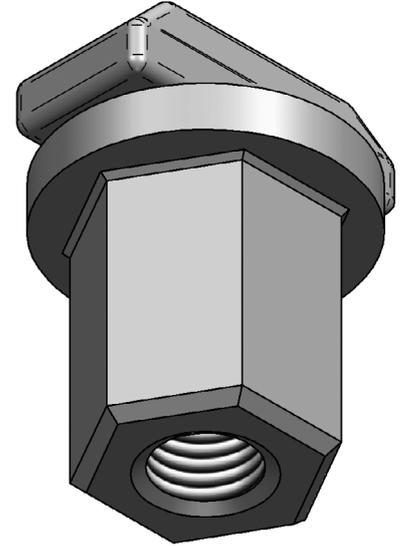


C-PROFILE CONNECTOR			
CODE	DESCRIPTION	PACK QTY	FINISH
MOD-SC45	12 x 45	1	Galv
MOD-SC65	12 x 65	1	Galv



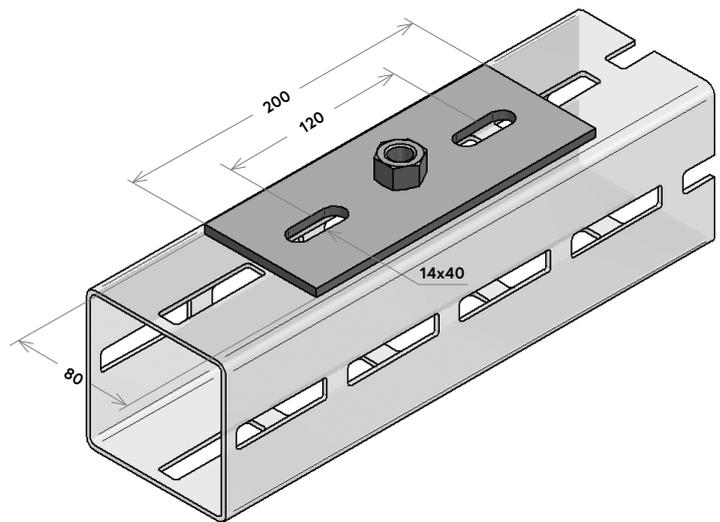
DIRECT CONNECTOR

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-DC-10	M10	100	Galv
MOD-DC-12	M12	100	Galv



BASE PLATE M16

CODE	DESCRIPTION	PACK QTY	FINISH
MOD-100BP-16	200 x 80	1	Galv





Anchors

Contents



SEISMIC VERTICAL HANGER - CONCRETE				
CODE	DESCRIPTION	PACK QTY	FINISH	APPROVAL TYPE
MVT6X40Z	M10 Rod Hanger	100	Zinc/Galv	C1
MVT6X57Z	M10 Rod Hanger	100	Zinc	C1
MVT8X50Z	M10 Rod Hanger	100	Zinc/Galv	C1/C2
MVT8X50Z-M12	M12 Rod Hanger	100	Zinc / Galv	C1/C2



VERTICAL HANGER - SDM			
CODE	DESCRIPTION	PACK QTY	FINISH
MVTS-M10-25	1/4" X 25	100	Zinc

SIDE HANGER - SDM			
CODE	DESCRIPTION	PACK QTY	FINISH
MVSM-10	1/4" X 25	100	Zinc



VERTICAL HANGER - WOOD			
CODE	DESCRIPTION	PACK QTY	FINISH
MVT17M10-25	14g X 25	100	Zinc
MVT17M10-50	14g X 50	100	Zinc

SIDE HANGER - WOOD			
CODE	DESCRIPTION	PACK QTY	FINISH
MVT17S-M10	14g X 50	100	Zinc



ZINC FLAKE HEX HEAD SCREW BOLT — C1/C2 SEISMIC RATED			
SIZE	LENGTH	PRODUCT CODE	APPROVAL TYPE
5mm	50mm	MXB5X50ZF-S	ETA / Fire
5mm	75mm	MXB6X75ZF-S	ETA / Fire
6mm	50mm	MXB6X50ZF-S	ETA / Fire
6mm	75mm	MXB6X75ZF-S	ETA / Fire
6mm	100mm	MXB6X100ZF-S	ETA / Fire
6mm	130mm	MXB6X130ZF-S	ETA / Fire
6mm	150mm	MXB6X150ZF-S	ETA / Fire
8mm	60mm	MXB8X60ZF-S	ETA / Fire
8mm	75mm	MXB8X75ZF-S	ETA / C1 & C2 / Fire
8mm	90mm	MXB8X90ZF-S	ETA / C1 & C2 / Fire
8mm	100mm	MXB8X100ZF-S	ETA / C1 & C2 / Fire
8mm	130mm	MXB8X130ZF-S	ETA / C1 & C2 / Fire
8mm	150mm	MXB8X150ZF-S	ETA / C1 & C2 / Fire
10mm	65mm	MXB10X65ZF-S	ETA / Fire
10mm	75mm	MXB10X75ZF-S	ETA / Fire
10mm	85mm	MXB10X85ZF-S	ETA / C1 & C2 / Fire
10mm	100mm	MXB10X100ZF-S	ETA / C1 & C2 / Fire
10mm	120mm	MXB10X120ZF-S	ETA / C1 & C2 / Fire
10mm	140mm	MXB10X140ZF-S	ETA / C1 & C2 / Fire
12mm	75mm	MXB12X75ZF-S	ETA / Fire
12mm	100mm	MXB12X100ZF-S	ETA / Fire
12mm	130mm	MXB12X130ZF-S	ETA / Fire
12mm	150mm	MXB12X150ZF-S	ETA / Fire
14mm	80mm	MXB14X80ZF-S	ETA / Fire
14mm	105mm	MXB14X105ZF-S	ETA / Fire
14mm	115mm	MXB14X115ZF-S	ETA / C1 & C2 / Fire
14mm	135mm	MXB14X135ZF-S	ETA / C1 & C2 / Fire

**Zinc Flake Coating superior to HDG Coating. Standard Zinc Plate and A4 Stainless Steel finishes also available.*



ZINC FLAKE THROUGH BOLTS (WEDGE ANCHORS) - C1/C2 SEISMIC RATED			
SIZE	LENGTH	PRODUCT CODE	APPROVAL TYPE
M8	65	MTB8X65G-S	ETA / Fire
	80	MTB8X80G-S	ETA / Fire
	100	MTB8X100G-S	ETA / Fire
	115	MTB8X115G-S	ETA / Fire
M10	65	MTB10X65G-S	ETA / C1 & C2 / Fire
	80	MTB10X80G-S	ETA / C1 & C2 / Fire
	95	MTB10X95Z-S	ETA / C1 & C2 / Fire
	115	MTB10X115G-S	ETA / C1 & C2 / Fire
	130	MTB10X130G-S	ETA / C1 & C2 / Fire
M12	80	MTB12X80G-S	ETA / C1 & C2 / Fire
	100	MTB12X100G-S	ETA / C1 & C2 / Fire
	120	MTB12X120G-S	ETA / C1 & C2 / Fire
	135	MTB12X135G-S	ETA / C1 & C2 / Fire
	150	MTB12X150G-S	ETA / C1 & C2 / Fire
M16	105	MTB16X105G-S	ETA / C1 & C2 / Fire
	125	MTB16X125G-S	ETA / C1 & C2 / Fire
	140	MTB16X140G-S	ETA / C1 & C2 / Fire
	180	MTB16X180G-S	ETA / C1 & C2 / Fire
	220	MTB16X220G-S	ETA / C1 & C2 / Fire
M20	125	MTB20X125G-S	ETA / Fire
	160	MTB20X160G-S	ETA / Fire
	200	MTB20X200G-S	ETA / Fire

*Zinc Flake Coating superior to HDG Coating. Standard Zinc Plate and A4 Stainless Steel finishes also available.



CHEM SET STUDS			
Ø	YELLOW ZINC	GALVANIZED	316 STAINLESS
8mm	MKSC-8Y	MKSC8G	MKSC8A4
10mm	MKSC-10Y	MKSC10G	MKSC10A4
12mm	MKSC-12Y	MKSC12G	MKSC12A4
16mm	MKSC-16Y	MKSC16G	MKSC16A4
20mm	MKSC-20Y	MKSC20G	MKSC20A4
24mm	MKSC-24Y	MKSC24G	MKSC24A4

*Custom Cut Studs Available

E600+ HIGH STRENGTH SEISMIC RATE PURE EPOXY CHEMICAL ANCHORING

CODE	SIZE
E600+	585ml

- Pure Epoxy resin 3:1 mixing ratio – Pink Colour.
- Extremely high load capacity
- ETA Option 1.
- Seismic C1 & C2.
- 100 Years Working Life.
- Approved for use with Threaded Bar and Rebar.
- Fire Resistance Report F240 (post installed rebar connections).
- Suitable for use Overhead and in dry, wet & flooded holes.



H200+ FC FAST CURE SEISMIC NEW GENERATION POLYMER CHEMICAL ANCHORING

CODE	SIZE
H200+ FC	300ml

- New Generation Polymer Styrene-free Chemical
- Fast Curing
- Colour Change Indicator from Blue to Grey
- ETA Option 1.
- Seismic C1 & C2.
- 100 Years Working Life.
- Approved for use with Threaded Bar and Rebar.
- Suitable for use in dry, wet & flooded holes.



Nuts, Bolts & Washers

Contents



MILD STEEL ZINC SET SCREW						
Ø	M6	M8	M10	M12	M16	M20
10mm	SS466X10Z					
12mm	SS466X12Z	SS468X12Z				
16mm	SS466X16Z	SS468X16Z	SS4610X16Z			
20mm	SS466X20Z	SS468X20Z	SS4610X20Z	SS4612X20Z		
25mm	SS466X25Z	SS468X25Z	SS4610X25Z	SS4612X25Z	SS4616X25Z	
30mm	SS466X30Z	SS468X30Z	SS4610X30Z	SS4612X30Z	SS4616X30Z	
35mm	SS466X35Z	SS468X35Z	SS4610X35Z	SS4612X35Z	SS4616X35Z	
40mm	SS466X40Z	SS468X40Z	SS4610X40Z	SS4612X40Z	SS4616X40Z	SS4620X40Z
45mm	SS466X45Z	SS468X45Z	SS4610X45Z	SS4612X45Z	SS4616X45Z	SS4620X45Z
50mm	SS466X50Z	SS468X50Z	SS4610X50Z	SS4612X50Z	SS4616X50Z	SS4620X50Z
55mm	SS466X55Z	SS468X55Z	SS4610X55Z			SS4620X55Z
60mm	SS466X60Z	SS468X60Z	SS4610X60Z	SS4612X60Z	SS4616X60Z	SS4620X60Z
65mm	SS466X65Z	SS468X65Z	SS4610X65Z	SS4612X65Z	SS4616X65Z	
70mm		SS468X70Z	SS4610X70Z	SS4612X70Z		
75mm	SS466X75Z	SS468X75Z	SS4610X75Z	SS4612X75Z	SS4616X75Z	
100mm			SS4610X100Z	SS4612X100Z	SS4616X100Z	



MILD STEEL GALVANIZED SET SCREW							
Ø	M8	M10	M12	M16	M20	M24	M30
20mm	SS468X20G	SS4610X20G					
25mm	SS468X25G	SS4610X25G	SS4612X25G	SS4616X25G			
30mm	SS468X30G	SS4610X30G	SS4612X30G	SS4616X30G			
35mm		SS4610X35G	SS4612X35G	SS4616X35G			
40mm	SS468X40G	SS4610X40G	SS4612X40G	SS4616X40G	SS4620X40G		
45mm				SS4616X45G	SS4620X45G		
50mm	SS468X50G	SS4610X50G	SS4612X50G	SS4616X50G	SS4620X50G	SS4624X50G	
55mm					SS4620X55G	SS4624X55G	
60mm					SS4620X60G	SS4624X60G	
65mm		SS4610X65G				SS4624X65G	
75mm		SS4610X75G	SS4612X75G				SS4630X75G
90mm		SS4610X90G					
100mm		SS4610X100G					



HIGH TENSILE ZINC BOLT

Ø	M6	M8	M10	M12	M16	M20
12mm	BN466X12Z	BN468X12Z				
16mm	BN466X16Z	BN468X16Z	BN4610X16Z			
20mm	BN466X20Z	BN468X20Z	BN4610X20Z	BN4612X20Z		
25mm	BN466X25Z	BN468X25Z	BN4610X25Z	BN4612X25Z	BN4616X25Z	
30mm	BN466X30Z	BN468X30Z	BN4610X30Z	BN4612X30Z	BN4616X30Z	
35mm	BN466X35Z	BN468X35Z	BN4610X35Z	BN4612X35Z	BN4616X35Z	
40mm	BN466X40Z	BN468X40Z	BN4610X40Z	BN4612X40Z	BN4616X40Z	BN4620X40Z
45mm	BN466X45Z	BN468X45Z	BN4610X45Z	BN4612X45Z	BN4616X45Z	BN4620X45Z
50mm	BN466X50Z	BN468X50Z	BN4610X50Z	BN4612X50Z	BN4616X50Z	BN4620X50Z
55mm	BN466X55Z	BN468X55Z	BN4610X55Z	BN4612X55Z	BN4616X55Z	BN4620X55Z
60mm	BN466X60Z	BN468X60Z	BN4610X60Z	BN4612X60Z	BN4616X60Z	BN4620X60Z
65mm	BN466X65Z	BN468X65Z	BN4610X65Z	BN4612X65Z	BN4616X65Z	BN4620X65Z
70mm	BN466X70Z	BN468X70Z	BN4610X70Z	BN4612X70Z	BN4616X70Z	BN4620X70Z
75mm	BN466X75Z	BN468X75Z	BN4610X75Z	BN4612X75Z	BN4616X75Z	BN4620X75Z
80mm	BN466X80Z	BN468X80Z	BN4610X80Z	BN4612X80Z	BN4616X80Z	BN4620X80Z
90mm	BN466X90Z	BN468X90Z	BN4610X90Z	BN4612X90Z	BN4616X90Z	BN4620X90Z
100mm	BN466X100Z	BN468X100Z	BN4610X100Z	BN4612X100Z	BN4616X100Z	BN4620X100Z
110mm	BN466X110Z	BN468X110Z	BN4610X110Z	BN4612X110Z	BN4616X110Z	BN4620X110Z
120mm	BN466X120Z	BN468X120Z	BN4610X120Z	BN4612X120Z	BN4616X120Z	BN4620X120Z
130mm	BN466X130Z	BN468X130Z	BN4610X130Z	BN4612X130Z	BN4616X130Z	BN4620X130Z
140mm	BN466X140Z	BN468X140Z	BN4610X140Z	BN4612X140Z	BN4616X140Z	BN4620X140Z
150mm	BN466X150Z	BN468X150Z	BN4610X150Z	BN4612X150Z	BN4616X150Z	BN4620X150Z
160mm			BN4610X160Z	BN4612X160Z	BN4616X160Z	BN4620X160Z
170mm			BN4610X170Z			
180mm			BN4610X180Z	BN4612X180Z	BN4616X180Z	BN4620X180Z
200mm			BN4610X200Z	BN4612X200Z	BN4616X200Z	BN4620X200Z



MILD STEEL GALVANIZED BOLT						
Ø	M8	M10	M12	M16	M20	M24
20mm	BN468X20G	BN4610X20G				
25mm	BN468X25G	BN4610X25G	BN4612X25G	BN4616X25G		
30mm	BN468X30G	BN4610X30G	BN4612X30G	BN4616X30G		
35mm	BN468X35G	BN4610X35G	BN4612X35G	BN4616X35G		
40mm	BN468X40G	BN4610X40G	BN4612X40G	BN4616X40G	BN4620X40G	
45mm	BN468X45G	BN4610X45G	BN4612X45G	BN4616X45G	BN4620X45G	
50mm	BN468X50G	BN4610X50G	BN4612X50G	BN4616X50G	BN4620X50G	BN4624X50G
55mm	BN468X55G	BN4610X55G	BN4612X55G	BN4616X55G	BN4620X55G	BN4624X55G
60mm	BN468X60G	BN4610X60G	BN4612X60G	BN4616X60G	BN4620X60G	BN4624X60G
65mm	BN468X65G	BN4610X65G	BN4612X65G	BN4616X65G	BN4620X65G	BN4624X65G
70mm	BN468X70G	BN4610X70G	BN4612X70G	BN4616X70G	BN4620X70G	BN4624X70G
75mm	BN468X75G	BN4610X75G	BN4612X75G	BN4616X75G	BN4620X75G	BN4624X75G
80mm	BN468X80G	BN4610X80G	BN4612X80G	BN4616X80G	BN4620X80G	BN4624X80G
90mm	BN468X90G	BN4610X90G	BN4612X90G	BN4616X90G	BN4620X90G	BN4624X90G
100mm	BN468X100G	BN4610X100G	BN4612X100G	BN4616X100G	BN4620X100G	BN4624X100G
110mm	BN468X110G	BN4610X110G	BN4612X110G	BN4616X110G	BN4620X110G	BN4624X110G
120mm	BN468X120G	BN4610X120G	BN4612X120G	BN4616X120G	BN4620X120G	BN4624X120G
130mm	BN468X130G	BN4610X130G	BN4612X130G	BN4616X130G	BN4620X130G	BN4624X130G
140mm	BN468X140G	BN4610X140G	BN4612X140G	BN4616X140G	BN4620X140G	BN4624X140G
150mm	BN468X150G	BN4610X150G	BN4612X150G	BN4616X150G	BN4620X150G	BN4624X150G
160mm		BN4610X160G	BN4612X160G	BN4616X160G	BN4620X160G	BN4624X160G
170mm		BN4610X170G	BN4612X170G	BN4616X170G	BN4620X170G	
180mm		BN4610X180G	BN4612X180G	BN4616X180G	BN4620X180G	BN4624X180G
200mm		BN4610X200G	BN4612X200G	BN4616X200G	BN4620X200G	BN4624X200G
220mm		BN4610X220G	BN4612X220G	BN4616X220G	BN4620X220G	BN4624X220G
240mm		BN4610X240G	BN4612X240G	BN4616X240G	BN4620X240G	BN4624X240G
250mm					BN4620X250G	
260mm		BN4610X260G	BN4612X260G	BN4616X260G	BN4620X260G	BN4624X260G
280mm		BN4610X280G	BN4612X280G	BN4616X280G	BN4620X280G	BN4624X280G
300mm		BN4610X300G	BN4612X300G	BN4616X300G	BN4620X300G	BN4624X300G
325mm			BN4612X325G	BN4616X325G	BN4620X325G	BN4624X325G
350mm			BN4612X350G	BN4616X350G	BN4620X350G	BN4624X350G
375mm			BN4612X375G	BN4616X375G	BN4620X375G	BN4624X375G
400mm			BN4612X400G	BN4616X400G	BN4620X400G	BN4624X400G
425mm			BN4612X425G	BN4616X425G	BN4620X425G	
450mm			BN4612X450G	BN4616X450G	BN4620X450G	BN4624X450G



MILD STEEL GALVANIZED BOLT				
Ø	M12	M16	M20	M24
475mm		BN4616X475G	BN4620X475G	
500mm	BN4612X500G	BN4616X500G	BN4620X500G	BN4624X500G
525mm		BN4616X525G	BN4620X525G	
550mm	BN4612X550G	BN4616X550G	BN4620X550G	BN4624X550G
575mm		BN4616X575G	BN4620X575G	
600mm	BN4612X600G	BN4616X600G	BN4620X600G	BN4624X600G
650mm			BN4620X650G	
1000mm		BN4616X1000G	BN4620X1000G	BN4624X1000G



HIGH TENSILE ZINC SET SCREW								
Ø	M5	M6	M8	M10	M12	M16	M20	M24
10mm								
12mm	SS885X12Z	SS886X12Z	SS888X12Z					
16mm	SS885X16Z	SS886X16Z	SS888X16Z	SS8810X16Z	SS8812X16Z			
20mm	SS885X20Z	SS886X20Z	SS888X20Z	SS8810X20Z	SS8812X20Z			
25mm	SS885X25Z	SS886X25Z	SS888X25Z	SS8810X25Z	SS8812X25Z	SS8816X25Z		
30mm	SS885X30Z	SS886X30Z	SS888X30Z	SS8810X30Z	SS8812X30Z	SS8816X30Z	SS8820X30Z	
35mm		SS886X35Z	SS888X35Z	SS8810X35Z	SS8812X35Z	SS8816X35Z		
40mm	SS885X40Z	SS886X40Z	SS888X40Z	SS8810X40Z	SS8812X40Z	SS8816X40Z	SS8820X40Z	SS8824X40Z
45mm		SS886X45Z	SS888X45Z	SS8810X45Z	SS8812X45Z	SS8816X45Z	SS8820X45Z	SS8824X45Z
50mm	SS885X50Z	SS886X50Z	SS888X50Z	SS8810X50Z	SS8812X50Z	SS8816X50Z	SS8820X50Z	SS8824X50Z
55mm		SS886X55Z	SS888X55Z	SS8810X55Z	SS8812X55Z	SS8816X55Z	SS8820X55Z	SS8824X55Z
60mm		SS886X60Z	SS888X60Z	SS8810X60Z	SS8812X60Z	SS8816X60Z	SS8820X60Z	SS8824X60Z
65mm		SS886X65Z	SS888X65Z	SS8810X65Z	SS8812X65Z	SS8816X65Z		SS8824X65Z
70mm		SS886X70Z	SS888X70Z	SS8810X70Z	SS8812X70Z	SS8816X70Z	SS8820X70Z	
75mm		SS886X75Z	SS888X75Z	SS8810X75Z	SS8812X75Z	SS8816X75Z		SS8824X75Z
80mm		SS886X80Z	SS888X80Z	SS8810X80Z	SS8812X80Z	SS8816X80Z	SS8820X80Z	
90mm		SS886X90Z	SS888X90Z	SS8810X90Z	SS8812X90Z	SS8816X90Z		
100mm		SS886X100Z	SS888X100Z	SS8810X100Z	SS8812X100Z	SS8816X100Z	SS8820X100Z	SS8824X100Z
120mm			SS888X120Z	SS8810X120Z	SS8812X120Z	SS8816X120Z	SS8820X120Z	
150mm					SS8812X150Z			



HIGH TENSILE ZINC BOLTS

Ø	M5	M6	M8	M10
12mm	BN885X12Z	BN886X12Z	BN888X12Z	
16mm	BN885X16Z	BN886X16Z	BN888X16Z	BN8810X16Z
20mm	BN885X20Z	BN886X20Z	BN888X20Z	BN8810X20Z
25mm	BN885X25Z	BN886X25Z	BN888X25Z	BN8810X25Z
30mm	BN885X30Z	BN886X30Z	BN888X30Z	BN8810X30Z
35mm		BN886X35Z	BN888X35Z	BN8810X35Z
40mm	BN885X40Z	BN886X40Z	BN888X40Z	BN8810X40Z
45mm		BN886X45Z	BN888X45Z	BN8810X45Z
50mm	BN885X50Z	BN886X50Z	BN888X50Z	BN8810X50Z
55mm		BN886X55Z	BN888X55Z	BN8810X55Z
60mm		BN886X60Z	BN888X60Z	BN8810X60Z
65mm		BN886X65Z	BN888X65Z	BN8810X65Z
70mm		BN886X70Z	BN888X70Z	BN8810X70Z
75mm		BN886X75Z	BN888X75Z	BN8810X75Z
80mm		BN886X80Z	BN888X80Z	BN8810X80Z
85mm		BN886X85Z	BN888X85Z	BN8810X85Z
90mm		BN886X90Z	BN888X90Z	BN8810X90Z
100mm		BN886X100Z	BN888X100Z	BN8810X100Z
110mm		BN886X110Z	BN888X110Z	BN8810X110Z
120mm		BN886X120Z	BN888X120Z	BN8810X120Z
130mm		BN886X130Z	BN888X130Z	BN8810X130Z
140mm		BN886X140Z	BN888X140Z	BN8810X140Z
150mm		BN886X150Z	BN888X150Z	BN8810X150Z
160mm				BN8810X160Z
170mm				BN8810X170Z
180mm				BN8810X180Z
200mm				BN8810X200Z
220mm				BN8810X220Z
240mm				BN8810X240Z
260mm				BN8810X260Z
280mm				BN8810X280Z
300mm				BN8810X300Z



HIGH TENSILE ZINC BOLTS				
Ø	M12	M16	M20	M24
30mm			BN8820X30Z	
40mm			BN8820X40Z	BN8824X40Z
45mm	BN8812X20Z		BN8820X45Z	BN8824X45Z
50mm	BN8812X25Z	BN8816X25Z	BN8820X50Z	BN8824X50Z
55mm	BN8812X30Z	BN8816X30Z	BN8820X55Z	BN8824X55Z
60mm	BN8812X35Z	BN8816X35Z	BN8820X60Z	BN8824X60Z
65mm	BN8812X40Z	BN8816X40Z	BN8820X65Z	BN8824X65Z
70mm	BN8812X45Z	BN8816X45Z	BN8820X70Z	BN8824X70Z
75mm	BN8812X50Z	BN8816X50Z	BN8820X75Z	BN8824X75Z
80mm	BN8812X55Z	BN8816X55Z	BN8820X80Z	BN8824X80Z
85mm	BN8812X60Z	BN8816X60Z	BN8820X85Z	
90mm	BN8812X65Z	BN8816X65Z	BN8820X90Z	BN8824X90Z
100mm	BN8812X70Z	BN8816X70Z	BN8820X100Z	BN8824X100Z
110mm	BN8812X75Z	BN8816X75Z	BN8820X110Z	BN8824X110Z
120mm	BN8812X80Z	BN8816X80Z	BN8820X120Z	BN8824X120Z
130mm	BN8812X85Z	BN8816X85Z	BN8820X130Z	BN8824X130Z
140mm	BN8812X90Z	BN8816X90Z	BN8820X140Z	BN8824X140Z
150mm	BN8812X100Z	BN8816X100Z	BN8820X150Z	BN8824X150Z
160mm	BN8812X110Z	BN8816X110Z	BN8820X160Z	BN8824X160Z
170mm	BN8812X120Z	BN8816X120Z	BN8820X170Z	
180mm	BN8812X130Z	BN8816X130Z	BN8820X180Z	BN8824X180Z
200mm	BN8812X140Z	BN8816X140Z	BN8820X200Z	BN8824X200Z
220mm	BN8812X150Z	BN8816X150Z	BN8820X220Z	BN8824X220Z
240mm	BN8812X160Z	BN8816X160Z	BN8820X240Z	BN8824X240Z
260mm	BN8812X170Z	BN8816X170Z	BN8820X260Z	BN8824X260Z
280mm	BN8812X180Z	BN8816X180Z	BN8820X280Z	BN8824X280Z
300mm	BN8812X200Z	BN8816X200Z	BN8820X300Z	BN8824X300Z
320mm	BN8812X220Z	BN8816X220Z	BN8820X320Z	
340mm	BN8812X240Z	BN8816X240Z	BN8820X340Z	
360mm	BN8812X260Z	BN8816X260Z	BN8820X360Z	
380mm	BN8812X280Z	BN8816X280Z	BN8820X380Z	
400mm	BN8812X300Z	BN8816X300Z	BN8820X400Z	



304 STAINLESS SET SCREW						
Ø	M6	M8	M10	M12	M16	M20
8mm	SS6X8A2					
10mm	SS6X10A2					
12mm	SS6X12A2	SS8X12A2				
16mm	SS6X16A2	SS8X16A2	SS10X16A2			
20mm	SS6X20A2	SS8X20A2	SS10X20A2			
25mm	SS6X25A2	SS8X25A2	SS10X25A2	SS12X25A2		
30mm	SS6X30A2	SS8X30A2	SS10X30A2	SS12X30A2	SS16X30A2	SS20X30A2
35mm	SS6X35A2	SS8X35A2	SS10X35A2	SS12X35A2	SS16X35A2	SS20X35A2
40mm	SS6X40A2	SS8X40A2	SS10X40A2	SS12X40A2	SS16X40A2	SS20X40A2
45mm	SS6X45A2	SS8X45A2	SS10X45A2		SS16X45A2	SS20X45A2
50mm	SS6X50A2	SS8X50A2	SS10X50A2	SS12X50A2	SS16X50A2	SS20X50A2
55mm		SS8X55A2				SS20X55A2
60mm	SS6X60A2	SS8X60A2	SS10X60A2		SS16X60A2	SS20X60A2
65mm		SS8X65A2	SS10X65A2			
75mm	SS6X75A2		SS10X75A2			
100mm		SS8X100A2	SS10X100A2			



316 STAINLESS SET SCREW						
Ø	M4	M5	M6	M8	M10	M12
6mm	SS4X6A4					
8mm	SS4X8A4					
10mm	SS4X10A4	SS5X10A4	SS6X10A4			
12mm	SS4X12A4	SS5X12A4	SS6X12A4	SS8X12A4		
16mm	SS4X16A4	SS5X16A4	SS6X16A4	SS8X16A4	SS10X16A4	
20mm	SS4X20A4	SS5X20A4	SS6X20A4	SS8X20A4	SS10X20A4	SS12X20A4
25mm	SS4X25A4	SS5X25A4	SS6X25A4	SS8X25A4	SS10X25A4	SS12X25A4
30mm	SS4X30A4	SS5X30A4	SS6X30A4	SS8X30A4	SS10X30A4	SS12X30A4
35mm	SS4X35A4	SS5X35A4	SS6X35A4	SS8X35A4	SS10X35A4	SS12X35A4
40mm	SS4X40A4	SS5X40A4	SS6X40A4	SS8X40A4	SS10X40A4	SS12X40A4
45mm			SS6X45A4	SS8X45A4	SS10X45A4	SS12X45A4
50mm	SS4X50A4	SS5X50A4	SS6X50A4	SS8X50A4	SS10X50A4	SS12X50A4
60mm		SS5X60A4	SS6X60A4	SS8X60A4	SS10X60A4	SS12X60A4
65mm				SS8X65A4	SS10X65A4	SS12X65A4
75mm				SS8X75A4	SS10X75A4	SS12X75A4
100mm				SS8X100A4	SS10X100A4	SS12X100A4



316 STAINLESS SET SCREW					
Ø	M14	M16	M18	M20	M24
25mm	SS14X25A4	SS16X25A4			
30mm	SS14X30A4	SS16X30A4			
35mm	SS14X35A4	SS16X35A4			
40mm	SS14X40A4	SS16X40A4		SS20X40A4	
45mm		SS16X45A4		SS20X45A4	
50mm	SS14X50A4	SS16X50A4	SS18X50A4	SS20X50A4	SS24X50A4
55mm		SS16X55A4		SS20X55A4	SS24X55A4
60mm	SS14X60A4	SS16X60A4		SS20X60A4	SS24X60A4
65mm			SS18X65A4	SS20X65A4	SS24X65A4
70mm		SS16X70A4			
75mm		SS16X75A4			
80mm					SS24X80A4
100mm	SS14X100A4	SS16X100A4		SS20X100A4	SS24X100A4



304 STAINLESS BOLT							
Ø	M6	M8	M10	M12	M16	M20	M24
30mm	BO6X30A2						
35mm	BO6X35A2	BO8X35A2	BO10X35A2				
40mm	BO6X40A2	BO8X40A2	BO10X40A2	BO12X40A2			
45mm	BO6X45A2	BO8X45A2	BO10X45A2	BO12X45A2			
50mm	BO6X50A2	BO8X50A2	BO10X50A2	BO12X50A2	BO16X50A2		
55mm	BO6X55A2	BO8X55A2	BO10X55A2	BO12X55A2	BO16X55A2		
60mm	BO6X60A2	BO8X60A2	BO10X60A2	BO12X60A2	BO16X60A2	BO20X60A2	
65mm	BO6X65A2	BO8X65A2	BO10X65A2	BO12X65A2	BO16X65A2	BO20X65A2	
70mm	BO6X70A2	BO8X70A2	BO10X70A2	BO12X70A2	BO16X70A2	BO20X70A2	
75mm	BO6X75A2	BO8X75A2	BO10X75A2	BO12X75A2	BO16X75A2	BO20X75A2	
80mm	BO6X80A2	BO8X80A2	BO10X80A2	BO12X80A2	BO16X80A2	BO20X80A2	BO24X80A2
85mm					BO16X85A2		
90mm	BO6X90A2	BO8X90A2	BO10X90A2	BO12X90A2	BO16X90A2	BO20X90A2	BO24X90A2
100mm	BO6X100A2	BO8X100A2	BO10X100A2	BO12X100A2	BO16X100A2	BO20X100A2	BO24X100A2
110mm	BO6X110A2	BO8X110A2	BO10X110A2	BO12X110A2	BO16X110A2	BO20X110A2	
120mm	BO6X120A2	BO8X120A2	BO10X120A2	BO12X120A2	BO16X120A2	BO20X120A2	BO24X120A2
130mm	BO6X130A2	BO8X130A2	BO10X130A2	BO12X130A2	BO16X130A2	BO20X130A2	BO24X130A2
140mm		BO8X140A2	BO10X140A2	BO12X140A2	BO16X140A2	BO20X140A2	BO24X140A2
150mm	BO6X150A2	BO8X150A2	BO10X150A2	BO12X150A2	BO16X150A2	BO20X150A2	BO24X150A2
160mm			BO10X160A2	BO12X160A2	BO16X160A2	BO20X160A2	
170mm				BO12X170A2	BO16X170A2		
180mm			BO10X180A2	BO12X180A2	BO16X180A2	BO20X180A2	
190mm				BO12X190A2	BO16X190A2		
200mm			BO10X200A2	BO12X200A2	BO16X200A2	BO20X200A2	
210mm				BO12X210A2			
220mm				BO12X220A2	BO16X220A2		
230mm				BO12X230A2	BO16X230A2		
150mm				BO12X240A2	BO16X240A2		
250mm				BO12X250A2	BO16X250A2		
260mm				BO12X260A2	BO16X260A2		
280mm				BO12X280A2	BO16X280A2		
290mm				BO12X290A2			
300mm				BO12X300A2	BO16X300A2		



316 STAINLESS BOLT						
Ø	M6	M8	M10	M12	M16	M20
30mm	BO6X30A4					
35mm	BO6X35A4	BO8X35A4				
40mm	BO6X40A4	BO8X40A4	BO10X40A4	BO12X40A4		
45mm	BO6X45A4	BO8X45A4	BO10X45A4	BO12X45A4		
50mm	BO6X50A4	BO8X50A4	BO10X50A4	BO12X50A4	BO16X50A4	
55mm	BO6X55A4	BO8X55A4	BO10X55A4	BO12X55A4	BO16X55A4	
60mm	BO6X60A4	BO8X60A4	BO10X60A4	BO12X60A4	BO16X60A4	BO20X60A4
65mm	BO6X65A4	BO8X65A4	BO10X65A4	BO12X65A4	BO16X65A4	BO20X65A4
70mm	BO6X70A4	BO8X70A4	BO10X70A4	BO12X70A4	BO16X70A4	BO20X70A4
75mm	BO6X75A4	BO8X75A4	BO10X75A4	BO12X75A4	BO16X75A4	BO20X75A4
80mm	BO6X80A4	BO8X80A4	BO10X80A4	BO12X80A4	BO16X80A4	BO20X80A4
90mm	BO6X90A4	BO8X90A4	BO10X90A4	BO12X90A4	BO16X90A4	BO20X90A4
100mm	BO6X100A4	BO8X100A4	BO10X100A4	BO12X100A4	BO16X100A4	BO20X100A4
110mm	BO6X110A4	BO8X110A4	BO10X110A4	BO12X110A4	BO16X110A4	BO20X110A4
120mm	BO6X120A4	BO8X120A4	BO10X120A4	BO12X120A4	BO16X120A4	BO20X120A4
130mm	BO6X130A4	BO8X130A4	BO10X130A4	BO12X130A4	BO16X130A4	BO20X130A4
140mm		BO8X140A4	BO10X140A4	BO12X140A4	BO16X140A4	BO20X140A4
150mm	BO6X150A4	BO8X150A4	BO10X150A4	BO12X150A4	BO16X150A4	BO20X150A4
160mm		BO8X160A4	BO10X160A4	BO12X160A4	BO16X160A4	BO20X160A4
170mm			BO10X170A4	BO12X170A4	BO16X170A4	BO20X170A4
180mm			BO10X180A4	BO12X180A4	BO16X180A4	BO20X180A4
190mm			BO10X190A4	BO12X190A4	BO16X190A4	BO20X190A4
200mm			BO10X200A4	BO12X200A4	BO16X200A4	BO20X200A4
220mm			BO10X220A4	BO12X220A4	BO16X220A4	BO20X220A4
240mm				BO12X240A4	BO16X240A4	BO20X240A4
250mm				BO12X250A4		
260mm				BO12X260A4	BO16X260A4	BO20X260A4
280mm				BO12X280A4	BO16X280A4	BO20X280A4
300mm				BO12X300A4	BO16X300A4	BO20X300A4
350mm				BO12X350A4	BO16X350A4	BO20X350A4
400mm				BO12X400A4	BO16X400A4	BO20X400A4
450mm				BO12X450A4	BO16X450A4	BO20X450A4
500mm					BO16X500A4	BO20X500A4



AS1252 STRUCTURAL ASSEMBLIES					
Ø	M12	M16	M20	M22	M24
30mm	BNHSA12X30G				
35mm	BNHSA12X35G				
40mm	BNHSA12X40G	BNHSA16X40G	BNHSA20X40G		
45mm	BNHSA12X45G	BNHSA16X45G	BNHSA20X45G		
50mm	BNHSA12X50G	BNHSA16X50G	BNHSA20X50G		BNHSA24X50G
55mm		BNHSA16X55G	BNHSA20X55G		BNHSA24X55G
60mm	BNHSA12X60G	BNHSA16X60G	BNHSA20X60G	BNHSA22X60G	BNHSA24X60G
65mm	BNHSA12X65G	BNHSA16X65G	BNHSA20X65G	BNHSA22X65G	BNHSA24X65G
70mm	BNHSA12X70G	BNHSA16X70G	BNHSA20X70G	BNHSA22X70G	BNHSA24X70G
75mm	BNHSA12X75G	BNHSA16X75G	BNHSA20X75G	BNHSA22X75G	BNHSA24X75G
80mm	BNHSA12X80G	BNHSA16X80G	BNHSA20X80G		BNHSA24X80G
85mm			BNHSA20X85G		BNHSA24X85G
90mm	BNHSA12X90G	BNHSA16X90G	BNHSA20X90G	BNHSA22X90G	BNHSA24X90G
100mm	BNHSA12X100G	BNHSA16X100G	BNHSA20X100G	BNHSA22X100G	BNHSA24X100G
110mm		BNHSA16X110G	BNHSA20X110G		BNHSA24X110G
120mm	BNHSA12X120G	BNHSA16X120G	BNHSA20X120G		BNHSA24X120G
130mm	BNHSA12X130G	BNHSA16X130G	BNHSA20X130G	BNHSA22X130G	BNHSA24X130G
140mm		BNHSA16X140G	BNHSA20X140G		BNHSA24X140G
150mm	BNHSA12X150G	BNHSA16X150G	BNHSA20X150G	BNHSA22X150G	BNHSA24X150G
160mm		BNHSA16X160G	BNHSA20X160G	BNHSA22X160G	BNHSA24X160G
170mm		BNHSA16X170G			BNHSA24X170G
180mm	BNHSA12X180G	BNHSA16X180G	BNHSA20X180G	BNHSA22X180G	BNHSA24X180G
190mm		BNHSA16X190G	BNHSA20X190G		
200mm	BNHSA12X200G	BNHSA16X200G	BNHSA20X200G	BNHSA22X200G	BNHSA24X200G
210mm			BNHSA20X210G		BNHSA24X210G
220mm	BNHSA12X225G	BNHSA16X220G	BNHSA20X220G		BNHSA24X220G
230mm					BNHSA24X230G
240mm		BNHSA16X240G	BNHSA20X240G		BNHSA24X240G
250mm		BNHSA16X250G	BNHSA20X250G		BNHSA24X250G
260mm		BNHSA16X260G	BNHSA20X260G		BNHSA24X260G
270mm		BNHSA16X270G	BNHSA20X270G		
275mm			BNHSA20X275G		
280mm		BNHSA16X280G	BNHSA20X280G		BNHSA24X280G
300mm		BNHSA16X300G	BNHSA20X300G		BNHSA24X300G
325mm			BNHSA20X325G		BNHSA24X325G

AS1252 STRUCTURAL ASSEMBLIES

Ø	M27	M30	M33	M36
75mm	BNHSA27X75G	BNHSA30X75G		
80mm		BNHSA30X80G		
85mm		BNHSA30X85G		
90mm	BNHSA27X90G	BNHSA30X90G		BNHSA36X90G
100mm	BNHSA27X100G	BNHSA30X100G		BNHSA36X100G
110mm		BNHSA30X110G		BNHSA36X110G
120mm	BNHSA27X120G	BNHSA30X120G		BNHSA36X120G
130mm	BNHSA27X130G	BNHSA30X130G	BNHSA33X130G	BNHSA36X130G
140mm	BNHSA27X140G	BNHSA30X140G		BNHSA36X140G
150mm	BNHSA27X150G	BNHSA30X150G	BNHSA33X150G	BNHSA36X150G
160mm		BNHSA30X160G		BNHSA36X160G
170mm		BNHSA30X170G		BNHSA36X170G
180mm	BNHSA27X180G	BNHSA30X180G	BNHSA33X180G	BNHSA36X180G
190mm		BNHSA30X190G		BNHSA36X190G
200mm	BNHSA27X200G	BNHSA30X200G		BNHSA36X200G
220mm	BNHSA27X220G	BNHSA30X220G		BNHSA36X220G
240mm	BNHSA27X240G	BNHSA30X240G		BNHSA36X240G
250mm		BNHSA30X250G		
260mm	BNHSA27X260G	BNHSA30X260G		BNHSA36X260G
275mm		BNHSA30X280G		BNHSA36X280G
300mm		BNHSA30X300G		BNHSA36X300G
325mm		BNHSA30X325G		
350mm		BNHSA30X350G		BNHSA36X350G
375mm		BNHSA30X375G		
400mm		BNHSA30X400G		BNHSA36X400G
500mm		BNHSA30X500G		BNHSA36X500G
Nuts	NUTM27HSFG	NUTM30HSFG	NUTM33HSFG	NUTM36HSFG
Washers	W27HSFG	W30HSFG	W33HSFG	W36HSFG





AS1252 STRUCTURAL ASSEMBLIES					
Ø	M12	M16	M20	M22	M24
330mm					BNHSA24X330G
350mm		BNHSA16X350G	BNHSA20X350G		BNHSA24X350G
375mm			BNHSA20X375G		BNHSA24X375G
390mm					BNHSA24X390G
400mm		BNHSA16X400G	BNHSA20X400G		BNHSA24X400G
415mm					BNHSA24X415G
450mm					BNHSA24X450G
500mm		BNHSA16X500G	BNHSA20X500G		BNHSA24X500G
550mm					BNHSA24X550G
600mm		BNHSA16X600G	BNHSA20X600G		BNHSA24X600G
Nuts	NUTM12HSFG	NUTM16HSFG	NUTM20HSFG	NUTM22HSFG	NUTM24HSFG
Washers	W12HSFG	W16HSFG	W20HSFG	W22HSFG	W24HSFG



ZINC COACH BOLT				
Ø	M6	M8	M10	M12
20mm	CBN6X20Z..	CBN8X20Z.	CBN10X20Z.	
25mm	CBN6X25Z..	CBN8X25Z.	CBN10X25Z.	
30mm	CBN6X30Z..	CBN8X30Z.	CBN10X30Z.	CBN12X30Z.
35mm	CBN6X35Z..		CBN10X35Z.	CBN12X35Z.
40mm	CBN6X40Z..	CBN8X40Z.	CBN10X40Z.	CBN12X40Z.
45mm	CBN6X45Z..	CBN8X45Z.	CBN10X45Z.	
50mm	CBN6X50Z..	CBN8X50Z.	CBN10X50Z.	CBN12X50Z.
55mm	CBN6X55Z..	CBN8X55Z.	CBN10X55Z.	
60mm	CBN6X60Z..	CBN8X60Z.	CBN10X60Z.	CBN12X60Z.
65mm	CBN6X65Z..	CBN8X65Z.	CBN10X65Z.	CBN12X65Z.
70mm	CBN6X70Z..	CBN8X70Z.	CBN10X70Z.	CBN12X70Z.
75mm	CBN6X75Z..	CBN8X75Z.	CBN10X75Z.	CBN12X75Z.
80mm	CBN6X80Z..	CBN8X80Z.	CBN10X80Z.	CBN12X80Z.
85mm		CBN8X85Z.	CBN10X85Z.	
90mm	CBN6X90Z..	CBN8X90Z.	CBN10X90Z.	CBN12X90Z.
100mm	CBN6X100Z..	CBN8X100Z.	CBN10X100Z.	CBN12X100Z.
110mm	CBN6X110Z..	CBN8X110Z.	CBN10X110Z.	CBN12X110Z.
120mm	CBN6X120Z..	CBN8X120Z.	CBN10X120Z.	CBN12X120Z.
130mm	CBN6X130Z..	CBN8X130Z.	CBN10X130Z.	CBN12X130Z.
140mm	CBN6X140Z..	CBN8X140Z.	CBN10X140Z.	CBN12X140Z.
150mm	CBN6X150Z..	CBN8X150Z.	CBN10X150Z.	CBN12X150Z.



GALVANIZED COACH BOLT					
Ø	M8	M10	M12	M16	M20
20mm	CBN8X20G.	CBN10X20G.			
25mm	CBN8X25G.	CBN10X25G.			
30mm	CBN8X30G.	CBN10X30G.	CBN12X30G.		
35mm		CBN10X35G.	CBN12X35G.		
40mm	CBN8X40G.	CBN10X40G.	CBN12X40G.		
45mm	CBN8X45G.	CBN10X45G.	CBN12X45G.		
50mm	CBN8X50G.	CBN10X50G.	CBN12X50G.	CBN16X50G.	
55mm	CBN8X55G.	CBN10X55G.			
60mm	CBN8X60G.	CBN10X60G.	CBN12X60G.	CBN16X60G.	
65mm	CBN8X65G.	CBN10X65G.	CBN12X65G.	CBN16X65G.	CBN20X65G.
70mm	CBN8X70G.	CBN10X70G.	CBN12X70G.		
75mm	CBN8X75G.	CBN10X75G.	CBN12X75G.	CBN16X75G.	CBN20X75G.
80mm	CBN8X80G.	CBN10X80G.	CBN12X80G.	CBN16X80G.	
85mm	CBN8X85G.	CBN10X85G.	CBN12X85G.		
90mm	CBN8X90G.	CBN10X90G.	CBN12X90G.	CBN16X90G.	CBN20X90G.
100mm	CBN8X100G.	CBN10X100G.	CBN12X100G.	CBN16X100G.	CBN20X100G.
110mm	CBN8X110G.	CBN10X110G.	CBN12X110G.	CBN16X110G.	CBN20X110G.
120mm	CBN8X120G.	CBN10X120G.	CBN12X120G.	CBN16X120G.	CBN20X120G.
130mm	CBN8X130G.	CBN10X130G.	CBN12X130G.	CBN16X130G.	CBN20X130G.
140mm	CBN8X140G.	CBN10X140G.	CBN12X140G.	CBN16X140G.	CBN20X140G.
150mm	CBN8X150G.	CBN10X150G.	CBN12X150G.	CBN16X150G.	CBN20X150G.
160mm	CBN8X160G.	CBN10X160G.	CBN12X160G.	CBN16X160G.	CBN20X160G.
170mm		CBN10X170G.	CBN12X170G.	CBN16X170G.	
180mm	CBN8X180G.	CBN10X180G.	CBN12X180G.	CBN16X180G.	CBN20X180G.
190mm		CBN10X190G.	CBN12X190G.		
200mm	CBN8X200G.	CBN10X200G.	CBN12X200G.	CBN16X200G.	CBN20X200G.
220mm		CBN10X220G.	CBN12X220G.	CBN16X220G.	CBN20X220G.
240mm		CBN10X240G.	CBN12X240G.	CBN16X240G.	CBN20X240G.
260mm		CBN10X260G.	CBN12X260G.	CBN16X260G.	CBN20X260G.
280mm		CBN10X280G.	CBN12X280G.	CBN16X280G.	CBN20X280G.
300mm		CBN10X300G.	CBN12X300G.	CBN16X300G.	CBN20X300G.
325mm			CBN12X325G.		
350mm		CBN10X350G.	CBN12X350G.	CBN16X350G.	CBN20X350G.
375mm		CBN10X375G.	CBN12X375G.		
400mm			CBN12X400G.	CBN16X400G.	CBN20X400G.
450mm			CBN12X450G.	CBN16X450G.	



316 STAINLESS COACH BOLT						
Ø	M5	M6	M8	M10	M12	M16
16mm	CBO5X16A4					
20mm		CBO6X20A4	CBO8X20A4			
25mm		CBO6X25A4	CBO8X25A4	CBO10X25A4		
30mm		CBO6X30A4	CBO8X30A4	CBO10X30A4		
40mm		CBO6X40A4	CBO8X40A4	CBO10X40A4	CBO12X40A4	
50mm	CBO5X50A4	CBO6X50A4	CBO8X50A4	CBO10X50A4	CBO12X50A4	
60mm		CBO6X60A4	CBO8X60A4	CBO10X60A4	CBO12X60A4	
70mm		CBO6X70A4	CBO8X70A4	CBO10X70A4	CBO12X70A4	
75mm				CBO10X75A4		
80mm	CBO5X80A4	CBO6X80A4	CBO8X80A4	CBO10X80A4	CBO12X80A4	CBO16X80A4
90mm			CBO8X90A4		CBO12X90A4	
100mm		CBO6X100A4	CBO8X100A4	CBO10X100A4	CBO12X100A4	CBO16X100A4
110mm			CBO8X110A4	CBO10X110A4	CBO12X110A4	
120mm				CBO10X120A4	CBO12X120A4	
130mm				CBO10X130A4	CBO12X130A4	CBO16X130A4
140mm				CBO10X140A4	CBO12X140A4	
150mm				CBO10X150A4	CBO12X150A4	CBO16X150A4
160mm				CBO10X160A4	CBO12X160A4	
180mm				CBO10X180A4	CBO12X180A4	CBO16X180A4
190mm					CBO12X190A4	
200mm					CBO12X200A4	CBO16X200A4
220mm					CBO12X220A4	CBO16X220A4
240mm					CBO12X240A4	CBO16X240A4
260mm					CBO12X260A4	CBO16X260A4
280mm					CBO12X280A4	
300mm					CBO12X300A4	CBO16X300A4
350mm					CBO12X350A4	CBO16X350A4
400mm					CBO12X400A4	CBO16X400A4
450mm					CBO12X450A4	CBO16X450A4

GALVANIZED COACH SCREW						
Ø	M6	M8	M10	M12	M16	M20
25mm	CS6X25G					
30mm	CS6X30G	CS8X30G				
40mm	CS6X40G	CS8X40G	CS10X40G	CS12X40G		
50mm	CS6X50G	CS8X50G	CS10X50G	CS12X50G	CS16X50G	
65mm	CS6X65G	CS8X65G	CS10X65G	CS12X65G	CS16X65G	
75mm	CS6X75G	CS8X75G	CS10X75G	CS12X75G	CS16X75G	
90mm	CS6X90G	CS8X90G	CS10X90G	CS12X90G	CS16X90G	
100mm	CS6X100G	CS8X100G	CS10X100G	CS12X100G	CS16X100G	
120mm			CS10X120G	CS12X120G		
130mm		CS8X130G	CS10X130G	CS12X130G	CS16X130G	CS20X130G
150mm		CS8X150G	CS10X150G	CS12X150G	CS16X150G	CS20X150G
180mm			CS10X180G	CS12X180G	CS16X180G	CS20X180G
200mm			CS10X200G	CS12X200G	CS16X200G	CS20X200G
220mm				CS12X220G	CS16X220G	CS20X220G
240mm				CS12X240G	CS16X240G	CS20X240G
260mm				CS12X260G	CS16X260G	CS20X260G
280mm					CS16X280G	
300mm				CS12X300G	CS16X300G	CS20X300G
350mm				CS12X350G	CS16X350G	CS20X350G
400mm				CS12X400G	CS16X400G	CS20X400G



304 STAINLESS COACH SCREW		
Ø	M10	M12
75mm	CS10X75A2	CS12X75A2
80mm	CS10X80A2	
90mm	CS10X90A2	CS12X90A2
100mm		CS12X100A2
110mm		CS12X110A2
120mm	CS10X120A2	CS12X120A2
130mm	CS10X130A2	CS12X130A2
150mm	CS10X150A2	CS12X150A2





316 STAINLESS COACH SCREW						
Ø	M6	M8	M10	M12	M16	M20
25mm	CS6X25A4	CS8X25A4				
30mm	CS6X30A4	CS8X30A4				
40mm	CS6X40A4	CS8X40A4	CS10X40A4	CS12X40A4		
50mm	CS6X50A4	CS8X50A4	CS10X50A4	CS12X50A4		
60mm	CS6X60A4	CS8X60A4	CS10X60A4	CS12X60A4		
65mm	CS6X65A4	CS8X65A4	CS10X65A4	CS12X65A4		
70mm	CS6X70A4	CS8X70A4	CS10X70A4	CS12X70A4		
75mm	CS6X75A4	CS8X75A4	CS10X75A4	CS12X75A4		
80mm	CS6X80A4	CS8X80A4	CS10X80A4	CS12X80A4	CS16X80A4	
90mm	CS6X90A4	CS8X90A4	CS10X90A4	CS12X90A4	CS16X90A4	
100mm	CS6X100A4	CS8X100A4	CS10X100A4	CS12X100A4	CS16X100A4	CS20X100A4
110mm		CS8X110A4		CS12X110A4		
120mm	CS6X120A4	CS8X120A4	CS10X120A4	CS12X120A4		CS20X120A4
130mm	CS6X130A4	CS8X130A4	CS10X130A4	CS12X130A4	CS16X130A4	
140mm		CS8X140A4	CS10X140A4	CS12X140A4		
150mm		CS8X150A4	CS10X150A4	CS12X150A4	CS16X150A4	
160mm		CS8X160A4	CS10X160A4	CS12X160A4		
180mm		CS8X180A4	CS10X180A4	CS12X180A4	CS16X180A4	
190mm					CS16X190A4	
200mm		CS8X200A4	CS10X200A4	CS12X200A4	CS16X200A4	CS20X200A4
220mm				CS12X220A4	CS16X220A4	
240mm				CS12X240A4	CS16X240A4	
250mm				CS12X250A4		CS20X250A4
260mm				CS12X260A4	CS16X260A4	
280mm				CS12X280A4	CS16X280A4	
300mm				CS12X300A4	CS16X300A4	CS20X300A4
350mm					CS16X350A4	

GRADE 5 HEX NUT			GRADE 8 HEX NUT	
Ø	GALVANIZED	BLACK	ZINC	GALVANIZED
2mm			NUT-M2H8Z	
3mm		NUT-M3H8	NUT-M3H8Z	
4mm			NUT-M4H8Z	
5mm		NUT-M5H8	NUT-M5H8Z	
6mm	NUT-M6H5G	NUT-M6H8	NUT-M6H8Z	
8mm	NUT-M8H5G	NUT-M8H8	NUT-M8H8Z	
10mm	NUT-M10H5G	NUT-M10H8	NUT-M10H8Z	NUT-M10H8G
12mm	NUT-M12H5G	NUT-M12H8	NUT-M12H8Z	NUT-M12H8G
14mm		NUT-M14H8	NUT-M14H8Z	
16mm	NUT-M16H5G	NUT-M16H8	NUT-M16H8Z	NUT-M16H8G
18mm		NUT-M18H8	NUT-M18H8Z	
20mm	NUT-M20H5G	NUT-M20H8	NUT-M20H8Z	NUT-M20H8G
22mm		NUT-M22H8		
24mm	NUT-M24H5G	NUT-M24H8	NUT-M24H8Z	
27mm	NUT-M27H5G			NUT-M27H8G
30mm	NUT-M30H5G	NUT-M30H8	NUT-M30H8Z	NUT-M30H8G
33mm	NUT-M33H5G			NUT-M33H8G
36mm	NUT-M36H5G	NUT-M36H8	NUT-M36H8Z	NUT-M36H8G
42mm	NUT-M42H5G	NUT-M42H8		NUT-M42H8G
45mm		NUT-M45H8	NUT-M45H8Z	
48mm		NUT-M48H8		NUT-M48H8G
56mm		NUT-M56H8		NUT-M56H8G





HEX NUT		
Ø	304 STAINLESS	316 STAINLESS
2mm	NUT-M2HA2	NUT-M2HA4
2.5mm	NUT-M2.5HA2	NUT-M2.5HA4
3mm	NUT-M3HA2	NUT-M3HA4
4mm	NUT-M4HA2	NUT-M4HA4
5mm	NUT-M5HA2	NUT-M5HA4
6mm	NUT-M6HA2	NUT-M6HA4
8mm	NUT-M8HA2	NUT-M8HA4
10mm	NUT-M10HA2	NUT-M10HA4
12mm	NUT-M12HA2	NUT-M12HA4
14mm	NUT-M14HA2	NUT-M14HA4
16mm	NUT-M16HA2	NUT-M16HA4
18mm	NUT-M18HA2	NUT-M18HA4
20mm	NUT-M20HA2	NUT-M20HA4
22mm	NUT-M22HA2	NUT-M22HA4
24mm	NUT-M24HA2	NUT-M24HA4
27mm	NUT-M27HA2	NUT-M27HA4
30mm	NUT-M30HA2	NUT-M30HA4
33mm		NUT-M33HA4
36mm	NUT-M36HA2	NUT-M36HA4
42mm		NUT-M42HA4
45mm		NUT-M45HA4
48mm		NUT-M48HA4
52mm		NUT-M52HA4

NYLOC NUT				
Ø	ZINC	GALVANIZED	304 STAINLESS	316 STAINLESS
2mm			NUT-M2NA2	
2.5mm			NUT-M2.5NA2	
3mm	NUT-M3NZ		NUT-M3NA2	NUT-M3NA4
4mm	NUT-M4NZ		NUT-M4NA2	NUT-M4NA4
5mm	NUT-M5NZ		NUT-M5NA2	NUT-M5NA4
6mm	NUT-M6NZ		NUT-M6NA2	NUT-M6NA4
8mm	NUT-M8NZ	NUT-M8NG	NUT-M8NA2	NUT-M8NA4
10mm	NUT-M10NZ	NUT-M10NG	NUT-M10NA2	NUT-M10NA4
12mm	NUT-M12NZ	NUT-M12NG	NUT-M12NA2	NUT-M12NA4
14mm	NUT-M14NZ			NUT-M14NA4
16mm	NUT-M16NZ	NUT-M16NG	NUT-M16NA2	NUT-M16NA4
18mm	NUT-M18NZ			
20mm	NUT-M20NZ	NUT-M20NG	NUT-M20NA2	NUT-M20NA4
22mm	NUT-M22NZ			NUT-M22NA4
24mm	NUT-M24NZ	NUT-M24NG		NUT-M24NA4



COUPLING NUT				
Ø	ZINC	GALVANIZED	304 STAINLESS	316 STAINLESS
3mm	NUT-M3CZ			
5mm	NUT-M5CZ			
6mm	NUT-M6CZ			NUT-M6CA4
8mm	NUT-M8CZ	NUT-M8CG		NUT-M8CA4
10mm	NUT-M10CZ	NUT-M10CG	NUT-M10CA2	NUT-M10CA4
12mm	NUT-M12CZ	NUT-M12CG	NUT-M12CA2	NUT-M12CA4
14mm	NUT-M14CZ			
16mm	NUT-M16CZ	NUT-M16CG		NUT-M16CA4
20mm	NUT-M20CZ	NUT-M20CG		NUT-M20CA4
24mm	NUT-M24CZ	NUT-M24CG		





DOME NUT & LOCK NUT HALF		
Ø	304 STAINLESS	316 STAINLESS
3mm	NUT-M3DAZ	NUT-M3DA4
4mm	NUT-M4DAZ	NUT-M4DA4
5mm	NUT-M5DAZ	NUT-M5DA4
6mm	NUT-M6DAZ	NUT-M6DA4
8mm	NUT-M8DAZ	NUT-M8DA4
10mm	NUT-M10DAZ	NUT-M10DA4
12mm	NUT-M12DAZ	NUT-M12DA4
14mm	NUT-M14DAZ	NUT-M14DA4
16mm	NUT-M16DAZ	NUT-M16DA4
20mm	NUT-M20DAZ	NUT-M20DA4
24mm	NUT-M24DAZ	NUT-M24DA4



DOME NUT & LOCK NUT HALF				
Ø	ZINC	GALVANIZED	304 STAINLESS	316 STAINLESS
3mm			NUT-M3LA2	NUT-M3LA4
4mm			NUT-M4LA2	NUT-M4LA4
5mm			NUT-M5LA2	NUT-M5LA4
6mm			NUT-M6LA2	NUT-M6LA4
8mm	NUT-M8LZ	NUT-M8LG	NUT-M8LA2	NUT-M8LA4
10mm	NUT-M8LZ	NUT-M10LG		NUT-M10LA4
12mm	NUT-M12LZ	NUT-M12LG	NUT-M12LA2	NUT-M12LA4
14mm		NUT-M14LG		NUT-M14LA4
16mm	NUT-M16LZ	NUT-M16LG		NUT-M16LA4
20mm	NUT-M20LZ	NUT-M20LG	NUT-M20LA2	NUT-M20LA4
22mm		NUT-M22LG		NUT-M22LA4
24mm		NUT-M24LG		NUT-M24LA4
27mm		NUT-M27LG		NUT-M27LA4

SERRATED FLANGE NUT			
Ø	ZINC	304 STAINLESS	316 STAINLESS
5mm	NUT-M5FZ	NUT-M5FA2	
6mm	NUT-M6FZ	NUT-M6FA2	NUT-M6FA4
8mm	NUT-M8FZ	NUT-M8FA2	NUT-M8FA4
10mm	NUT-M10FZ	NUT-M10FA2	
12mm	NUT-M12FZ	NUT-M12FA2	NUT-M12FA4
14mm	NUT-M14FZ		
16mm	NUT-M16FZ		



SERRATED FLANGE NUT			
Ø	YELLOW ZINC	316 STAINLESS	304 STAINLESS
4mm		NUT-M4FSA4	NUT-M4FSA2
5mm		NUT-M5FSA4	NUT-M5FSA2
6mm			NUT-M6FSA2
8mm			NUT-M8FSA2
10mm	NUT-M10FSYZ	NUT-M10FSA4	NUT-M10FSA2
12mm	NUT-M12FSYZ		
14mm	NUT-M14FSYZ		
16mm	NUT-M16FSYZ		
20mm	NUT-M20FSYZ		



WING NUT			
Ø	ZINC	304 STAINLESS	316 STAINLESS
3mm		NUT-M3WA2	NUT-M3WA4
4mm		NUT-M4WA2	NUT-M4WA4
5mm	NUT-M5WZ	ZNUT-M5WA2	NUT-M5WA4
6mm	NUT-M6WZ	NUT-M6WA2	NUT-M6WA4
8mm	NUT-M8WZ	NUT-M8WA2	NUT-M8WA4
10mm	NUT-M10WZ	NUT-M10WA2	NUT-M10WA4
12mm	NUT-M12WZ	NUT-M12WA2	NUT-M12WA4
14mm		NUT-M14WA2	NUT-M14WA4
16mm		NUT-M16WA2	NUT-M16WA4





METRIC FLAT ROUND WASHERS - LIGHT			
Ø	ZINC	304 STAINLESS	316 STAINLESS
2mm		W2X5X0.3A2	W2X5X0.3A4
2.5mm		W2.5X6.5X0.5A2	W2.5X6.5X0.5A4
3mm		W3X7X0.5A2	W3X7X0.5A4
3mm	W3X7X.9Z		
3mm	W3X9X.9Z		
4mm	W4X9X.9Z		W4X9X0.8A4
4mm	W4X11X.9Z	W4X11X1A2	W4X11X.9A4
4mm	W4X16X1.2Z		
5mm	W5X10X.9Z	W5X10X1A2	W5X10X1A4
5mm		W5X10X1.2A2	
5mm		W5X11X1A2	
5mm	W5X12.5X1.2Z		W5X12.5X1.2A4
5mm		W5X15X1.5A2	
5mm	W5X16X1.2Z	W5X16X1.2A2	W5X16X1.2A4
5mm	W5X19X1.6Z		
6mm	W6X12.5X1.2Z	W6X12.5X1.2A2	W6X12.5X1.2A4
6mm		W6X12.5X1.6A2	W6X12.5X1.6A4
6mm	W6X14X1.2Z		
6mm	W6X16X1.2Z	W6X16X1.2A2	W6X16X1.2A4
6mm	W6X16X1.6Z	W6X16X1.6A2	W6X16X1.6A4
6mm		W6X18X1.6A2	W6X18X1.6A4
6mm		W6X19X1.2A2	
6mm	W6X19X1.6Z	W6X19X1.6A2	W6X19X1.6A4
6mm		W6X20X1.5A2	W6X20X1.5A4
8mm	W8X16X1.2Z	W8X16X1.2A2	W8X16X1.2A4
8mm	W8X16X1.6Z	W8X16X1.6A2	W8X16X1.6A4
8mm		W8X17X1.2A2	W8X17X1.2A4
8mm	W8X17X1.6Z	W8X17X1.6A2	
8mm	W8X19X1.6Z	W8X19X1.6A2	W8X19X1.6A4
8mm	W8X21X1.6Z	W8X21X1.6A2	



METRIC FLAT ROUND WASHERS - LIGHT			
Ø	ZINC	304 STAINLESS	316 STAINLESS
10mm		W10X21X1.2A2	W10X21X1.2A4
10mm	W10X21X1.6Z		
10mm	W10X22X1.6Z	W10X22X1.6A2	W10X22X1.6A4
10mm	W10X24X1.6Z	W10X24X1.6A2	W10X24X1.6A4
12mm	W12X24X1.6Z	W12X24X1.6A2	W12X20X2A4
12mm			W12X24X1.6A4
12mm	W12X26X1.6Z		
12mm	W12X28.5X1.6Z	W12X28.5X1.6A2	W12X28.5X1.6A4
14mm	W14X32X1.6Z		W14X32X1.6A4
16mm	W16X30X1.6Z	W16X30X1.5A2	W16X30X1.5A4
16mm	W16X32X1.6Z	W16X32X1.6A2	W16X32X1.6A4
16mm	W16X34X1.6Z		W16X34X1.6A4
20mm	W20X32X1.6Z		
20mm	W20X37X1.6Z		W20X37X1.6A4
24mm	W24X48X1.6Z		W24X48X1.5A4

METRIC FLAT ROUND WASHERS - HEAVY			
Ø	BLACK	ZINC	GALVANIZED
42mm	W42X85X4	W42X85X4Z	W42X85X4G
45mm	W45X89X4	W45X89X4Z	
48mm	W48X96X4	W48X96X4Z	
48mm			W48X96X4G
48mm			W48X98X3G
48mm			W48X102X3G
52mm	W52X100X6		
52mm	W52X102X4	W52X102X4Z	





METRIC FLAT ROUND WASHERS - HEAVY

Ø	BLACK	ZINC	GALVANIZED	304 STAINLESS	316 STAINLESS
6mm	W6X19X3	W6X19X3Z	W6X19X3G	W6X19X3A2	W6X19X3A4
8mm	W8X22X3	W8X22X3Z	W8X22X3G	W8X22X3A2	W8X22X3A4
10mm	W10X25X3	W10X25X3Z	W10X25X3G	W10X25X3A2	W10X25X3A4
10mm		W10X30X3Z	W10X30X3G		
10mm		W10X38X3Z			
10mm		W10X40X3Z			
10mm			W10X50X3G		
12mm	W12X28X3	W12X28X3Z	W12X28X3G		W12X28X3A4
12mm	W12X32X3	W12X32X3Z	W12X32X3G	W12X32X3A2	W12X32X3A4
12mm			W12X50X3G		W12X50X3A4
14mm	W14X32X3	W14X32X3Z			
16mm			W16X30X3G		
16mm	W16X34X3	W16X34X3Z	W16X34X3G	W16X34X3A2	W16X34X3A4
16mm	W16X38X3	W16X38X3Z	W16X38X3G	W16X38X3A2	W16X38X3A4
16mm			W16X50X3G		
18mm	W18X38X3	W18X38X3Z			W18X38X3A4
20mm	W20X37X3				
20mm	W20X39X3	W20X39X3Z	W20X39X3G		
20mm	W20X44.5X3	W20X44.5X3Z	W20X44.5X3G		W20X44.5X3A4
20mm		W20X50X3Z	W20X50X3G		
22mm	W22X47.5X3	W22X47.5X3Z	W22X47.5X3G		
24mm			W24x44x3G	W24X44X4A2	
24mm	W24X50X3	W24X50X3Z	W24X50X3G		W24X50X3A4
27mm			W27X50X3G		
30mm	W25X65X3	W30X60X3Z	W30X60X3G		W30X60X3A4
25mm	W25X85X3				
30mm	W30X56X3				
30mm	W30X60X3				
33mm			W33X60X3G		
33mm			W33X60X5G		
36mm	W36X72X3	W36X72X3Z	W36X72X3G		



METRIC FENDER WASHERS			
Ø	ZINC	304 STAINLESS	316 STAINLESS
5mm	W5X22X1.6Z	W5X22X1.6A2	W5X22X1.6A4
6mm	W6X22X1.6Z	W6X22X1.6A2	W6X22X1.6A4
8mm	W8X22X1.6Z	W8X22X1.6A2	W8X22X1.6A4
5mm	W5X32X1.6Z	W5X32X1.6A2	W5X32X1.6A4
6mm	W6X32X1.6Z	W6X32X1.6A2	W6X32X1.6A4
8mm	W8X32X1.6Z	W8X32X1.6A2	W8X32X1.6A4
10mm	W10X32X1.6Z	W10X32X1.6A2	W10X32X1.6A4
12mm	W12X32X1.6Z	W12X32X1.6A2	W12X32X1.6A4



SQUARE WASHERS 40MM		
Ø	GALVANIZED	316 STAINLESS
8mm	W8X40SQX3G	
10mm	W10X40SQx3G	W10X40SQX3A4
10mm	W10X40SQX6G	
12mm	W12X40SQX3G	W12X40SQX3A4
12mm	W12X40SQX6G	
16mm	W16X40SQx3G	
16mm	W16X40SQX6G	



SQUARE WASHERS				
Ø	BLACK	GALVANIZED	304 STAINLESS	316 STAINLESS
10mm	W10X50SQX3	W10X50SQX3G	W10X50SQX3A2	W10X50SQX3A4
10mm	W10X50SQX6	W10X50SQx6G		
12mm	W12X50SQX3	W12X50SQx3G	W12X50SQX3A2	W12X50SQX3A4
12mm		W12X50SQx6G		W12X50SQX6A4
12mm		W12X80SQX6G		
16mm		W16X50SQx3G	W16X50SQX3A2	W16X50SQX3A4
16mm				W16X50SQX4A4
16mm		W16X50SQx6G		W16X50SQX6A4
16mm		W16X60SQx6G		
16mm				W16X65SQX3A4
16mm		W16X80SQx6G		W16X80SQX6A4
16mm		W16X80SQX10G		
20mm		W20X50SQx3G	W20X50SQX3A2	W20X50SQX3A4
20mm		W20X50SQx6G		W20X50SQX6A4
20mm		W20X60SQx6G		
20mm				W20X65SQX6A4
20mm	W20X80SQX12	W20X80SQx6G		W20X80SQx6A4
24mm		W24X50SQX3G		
24mm		W24X50SQX6G		
24mm		W24X65SQX6G		
24mm		W24X80SQX6G		
30mm		W30X80SQx6G		
36mm		W36X100SQX10G		
42mm		W42X100SQX10G		
48mm		W48X120SQX12G		
56mm		W56X150SQX12G		
64mm		W64X150SQX12G		

*Custom sizes and thickness available on request

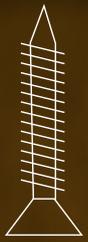


SPRING WASHERS					
Ø	BLACK	ZINC	GALVANIZED	304 STAINLESS	316 STAINLESS
2mm				SW2A2	
2.5mm				SW2.5A2	SW2.5A4
3mm		SW3Z		SW3A2	SW3A4
4mm		SW4Z		SW4A2	SW4A4
5mm		SW5Z		SW5A2	SW5A4
6mm	SW6	SW6Z		SW6A2	SW6A4
8mm	SW8	SW8Z	SW8G	SW8A2	SW8A4
10mm	SW10	SW10Z	SW10G	SW10A2	SW10A4
12mm	SW12	SW12Z	SW12G	SW12A2	SW12A4
14mm	SW14	SW14Z			SW14A4
16mm	SW16	SW16Z	SW16G	SW16A2	SW16A4
18mm	SW18	SW18Z			SW18A4
20mm	SW20	SW20Z	SW20G	SW20A2	SW20A4
22mm	SW22	SW22Z			SW22A4
24mm	SW24	SW24Z	SW24G		SW24A4
30mm	SW30	SW30Z	SW30G		SW30A4
33mm					SW33A4
36mm	SW36	SW36Z			SW36A4
42mm		SW42Z			



EPDM WASHERS	
Ø	EPDM
6mm	W6X15X2EPDM
6mm	W6X18X3.2EPDM
6mm	W6X22X1.5EPDM
6mm	W6X22X3EPDM
6mm	W6X30X3EPDM
8mm	W8X16X3EPDM
8mm	W8X22X3EPDM
8mm	W8X32X3EPDM
8mm	W8X36X3EPDM
10mm	W10X25X3EPDM
10mm	W10X32X3EPDM
10mm	W10X38X3EPDM
20mm	W20X50X3EPDM
*CUSTOM SIZES AVAILABLE ON REQUEST	





Screws



Contents



HEADING T17 HEX WASHER SCREWS					
#	LENGTH	YELLOW ZINC	Galvanized		316 STAINLESS
		NO NEO	NO NEO	WITH NEO	NO NEO
10g	20mm	T1710-12X20HWFYZ	T1710-12X20HWFG	T1710-12X20HWFNG	
10g	25mm	T1710-12X25HWFYZ	T1710-12X25HWFG	T1710-12X25HWFNG	
12g	25mm	T1712-11X25HWFYZ	T1712-11X25HWFG	T1712-11X25HWFNG	T1712-11X25HWFA4
12g	35mm	T1712-11X35HWFYZ	T1712-11X35HWFG	T1712-11X35HWFNG	T1712-11X35HWFA4
12g	40mm	T1712-11X40HWFYZ	T1712-11X40HWFG	T1712-11X40HWFNG	
12g	45mm	T1712-11X45HWFYZ	T1712-11X45HWFG	T1712-11X45HWFNG	
12g	50mm	T1712-11X50HWFYZ	T1712-11X50HWFG	T1712-11X50HWFNG	T1712-11X50HWFA4
12g	65mm	T1712-11X65HWFYZ	T1712-11X65HWFG	T1712-11X65HWFNG	T1712-11X65HWFA4
12g	75mm		T1712-11X75HWFG	T1712-11X75HWFNG	T1712-11X75HWFA4
14g	25mm		T1714-10X25HWFG	T1714-10X25HWFNG	T1714-10X25HWFA4
14g	30mm		T1714-10X30HWFG		
14g	35mm				T1714-10X35HWFA4
14g	50mm	T1714-10X50HWFYZ	T1714-10X50HWFG	T1714-10X50HWFNG	T1714-10X50HWFA4
14g	65mm	T1714-10X65HWFYZ	T1714-10X65HWFG	T1714-10X65HWFNG	T1714-10X65HWFA4
14g	75mm	T1714-10X75HWFYZ	T1714-10X75HWFG	T1714-10X75HWFNG	T1714-10X75HWFA4
14g	90mm		T1714-10X90HWFG	T1714-10X90HWFNG	T1714-10X90HWFA4
14g	100mm	T1714-10X100HWFYZ	T1714-10X100HWFG	T1714-10X100HWFNG	T1714-10X100HWFA4
14g	115mm		T1714-10X115HWFG	T1714-10X115HWFNG	
14g	125mm		T1714-10X125HWFG	T1714-10X125HWFNG	T1714-10X125HWFA4
14g	150mm		T1714-10X150HWFG	T1714-10X150HWFNG	T1714-10X150HWFA4
14g	200mm		T1714-10X200HWFG	T1714-10X200HWFNG	
14g	250mm			T1714-10X250HWFNG	



BUGLE BATTEN				
#	LENGTH	YELLOW ZINC	GALVANIZED	316 STAINLESS
14g	2"	T17BH14X2YZ	T17BH14X2G	T17BH14X2A4
14g	2-1/2 "	T17BH14X2-1/2YZ	T17BH14X2-1/2G	
14g	3"	T17BH14X3YZ	T17BH14X3G	T17BH14X3A4
14g	3-1/2"		T17BH14X3-1/2G	
14g	4"	T17BH14X4YZ	T17BH14X4G	T17BH14X4A4
14g	5"		T17BH14X5G	T17BH14X5A4
14g	5"		T17BH14X6G	T17BH14X6A4
14g	8"		T17BH14X8G	



SELF DRILLING METAL HWF					
#	LENGTH	YELLOW ZINC	GALVANIZED		410 STAINLESS
		NO NEO	NO NEO	WITH NEO	NO NEO
8g	12mm	SDMHWF8-18X12YZ	SDMHWF8-18X12G	SDMHWF8-18X12NG	SDMHWF10-16X16SS
8g	20mm	SDMHWF8-18X20YZ	SDMHWF8-18X20G	SDMHWF8-18X20NG	
10g	16mm	SDMHWF10-16X16YZ	SDMHWF10-16X16G	SDMHWF10-16X16NG	
10g	16mm	SDMHWF10-24X16YZ	SDMHWF10-24X16G	SDMHWF10-24X16NG	
10g	20mm	SDMHWF10-16X20YZ	SDMHWF10-16X20G	SDMHWF10-16X20NG	
10g	25mm	SDMHWF10-16X25YZ	SDMHWF10-16X25G	SDMHWF10-16X25NG	
12g	20mm	SDMHWF12-14X20YZ	SDMHWF12-14X20G	SDMHWF12-14X20NG	
12g	20mm	SDMHWF12-24X20YZ	SDMHWF12-24X20G	SDMHWF12-24X20NG	
12g	25mm	SDMHWF12-14X25YZ	SDMHWF12-14X25G	SDMHWF12-14X25NG	SDMHWF12-14X25SS
12g	25mm		SDMHWF12-24X25G	SDMHWF12-24X25NG	
12g	30mm	SDMHWF12-14X30YZ	SDMHWF12-14X30G	SDMHWF12-14X30NG	
12g	35mm	SDMHWF12-14X35YZ	SDMHWF12-14X35G	SDMHWF12-14X35NG	SDMHWF12-14X35SS
12g	35mm		SDMHWF12-24X35G	SDMHWF12-24X35NG	
12g	38mm				SDMHWF12-14X38SS
12g	40mm				SDMHWF12-14X40SS
12g	45mm	SDMHWF12-14X45YZ	SDMHWF12-14X45G	SDMHWF12-14X45NG	SDMHWF12-14X45SS
12g	50mm			SDMHWF12-14X50NG	SDMHWF12-14X50SS
12g	55mm	SDMHWF12-14X55YZ	SDMHWF12-14X55G	SDMHWF12-14X55NG	
12g	65mm	SDMHWF12-14X65YZ	SDMHWF12-14X65G	SDMHWF12-14X65NG	SDMHWF12-14X65SS
12g	75mm	SDMHWF12-14X75YZ	SDMHWF12-14X75G	SDMHWF12-14X75NG	SDMHWF12-14X75SS
14g	20mm		SDMHWF14-10X20G		
14g	22mm	SDMHWF14-10X20YZ	SDMHWF14-10X22G	SDMHWF14-10X22NG	
14g	22mm	SDMHWF14-10X22YZ	SDMHWF14-20X22G	SDMHWF14-20X22NG	
14g	25mm				SDMHWF14-14X25SS
14g	32mm				SDMHWF14-14X32SS
14g	38mm				SDMHWF14-14X38SS
14g	40mm				SDMHWF14-14X40SS
14g	42mm		SDMHWF14-10X42G	SDMHWF14-10X42NG	
14g	45mm				SDMHWF14-14X45SS
14g	50mm		SDMHWF14-10X50G	SDMHWF14-10x50NG	SDMHWF14-14X50SS
14g	65mm		SDMHWF14-10x65G	SDMHWF14-10X65NG	SDMHWF14-14X65SS
14g	75mm		SDMHWF14-10X75G	SDMHWF14-10X75NG	SDMHWF14-14X75SS
14g	90mm		SDMHWF14-10X90G	SDMHWF14-10X90NG	SDMHWF14-14X90SS
14g	90mm		SDMHWF14-20X90G		



SELF DRILLING METAL HWF				
#	LENGTH	GALVANIZED		410 STAINLESS
		NO NEO	WITH NEO	NO NEO
14g	98mm		SDMHWF14-10X95NG	
14g	100mm		SDMHWF14-10X100NG	
14g	115mm	SDMHWF14-10X115G	SDMHWF14-10X115NG	
14g	115mm	SDMHWF14-20X115G	SDMHWF14-20x115NG	
14g	125mm		SDMHWF14-10X125NG	SDMHWF14-14X125SS
14g	135mm	SDMHWF14-10X135G	SDMHWF14-10X135NG	
14g	135mm	SDMHWF14-20X135G	SDMHWF14-20X135NG	
14g	150mm	SDMHWF14-10X150G	SDMHWF14-10X150NG	
14g	150mm	SDMHWF14-20X150G	SDMHWF14-20X150NG	
14g	200mm		SDMHWF14-14X200NG	
14g	200mm		SDMHWF14-20X200NG	
14g	250mm		SDMHWF14-14X250NG	



DEEP DRILLING #5 POINT				
#	LENGTH	GALVANISED		
		NO NEO	WITH NEO	
12g	32mm	SDMHWF12-24X32P5G	SDMHWF12-24X32P5NG	
12g	50mm	SDMHWF12-24X50P5G	SDMHWF12-24X50P5NG	
12g	65mm	SDMHWF12-24X65P5G	SDMHWF12-24X65P5NG	
12g	75mm	SDMHWF12-24X75P5G	SDMHWF12-24X75P5NG	



CSK SUREFIX DRIVE YELLOW ZINC		
#	LENGTH	MULTI DRIVE
8g	3/4"	SFCSKM8X3/4YZ
8g	1"	SFCSKM8X1YZ
8g	1-1/4"	SFCSKM8X1-1/4YZ
8g	1-1/2"	SFCSKM8X1-1/2YZ
8g	1-3/4"	SFCSKM8X1-3/4YZ
8g	2"	SFCSKM8X2YZ
8g	2-1/2"	SFCSKM8X2-1/2YZ
8g	3"	SFCSKM8X3YZ
10g	4"	SFCSKM10X4YZ

CSK SUREFIX DRIVE YELLOW ZINC		
#	LENGTH	SQUARE DRIVE
8g	3/4"	SFCQ8X3/4YZ
8g	1"	SFCQ8X1YZ
8g	1-1/4"	SFCQ8X1-1/4YZ
8g	1-1/2"	SFCQ8X1-1/2YZ
8g	1-3/4"	SFCQ8X1-3/4YZ
8g	2"	SFCQ8X2YZ
8g	2-1/2"	SFCQ8X2-1/2YZ
8g	3"	SFCQ8X3YZ
10g	4"	SFCQ10X4YZ



ALL PLUG IN FRAMES								
#	LENGTH	PACK SIZE	WHITE	RED	GREEN	BLUE	ORANGE	GREY
6g	25mm	25	MSP5X25					
6g	35mm	25	MSP5X35					
5g	25mm	25		MSP6X25				
5g	35mm	25		MSP6X35				
5g	50mm	25		MSP6X50				
7g	25mm	25			MSP7X25			
7g	30mm	25			MSP7X30			
7g	35mm	25			MSP7X35			
7g	50mm	25			MSP7X50			
8g	25mm	25				MSP8X25		
8g	35mm	25				MSP8X35		
8g	50mm	25				MSP8X50		
10g	35mm	25					MSP10X35	
10g	50mm	25					MSP10X50	
10g	65mm	25					MSP10X65	
12g	50mm	25						MSP12X50
12g	65mm	25						MSP12X65

FINNED WALL ANCHOR		
#	LENGTH	GREY
5g	25mm	MNW5X25
6g	30mm	MNW6X30
7g	38mm	MNW7X38
8g	40mm	MNW8X40
10g	50mm	MNW10X50
12g	60mm	MNW12X60



WALLBOARD SCREW-ANCHOR		
#	NYLON	STEEL
6g	MWN6G/200PK	
8g	MWN8G/100PK	MWSDP/100





Rivets



Contents



RIVET BLIND STAINLESS/STAINLESS				
L	GRIP RANGE	4 (3.2mm)	5 (4.0mm)	6 (4.8mm)
6.3mm	1.6-3.2	73STST4-2	73STST5-2	73STST6-2
7.9mm	3.2-4.8	73STST4-3	73STST5-3	73STST6-3
9.5mm	4.8-6.4	73STST4-4	73STST5-4	73STST6-4
12.7mm	7.9-9.5	73STST4-6	73STST5-6	73STST6-6
16.3mm	9.5-12.7	73STST4-8	73STST5-8	73STST6-8
20.1mm	12.7-15.9			73STST6-10
24.2mm	15.9-19.0			73STST6-12
30.6mm	22.2-25.4			73STST6-16



RIVET LARGE FLANGE BLIND ALUMINIUM/STEEL				
L	GRIP RANGE	4 (3.2mm)	5 (4.0mm)	6 (4.8mm)
9.5mm	4.8-6.4	73ASL4-4	73ASL5-4	73ASL6-4
12.6mm	6.4-7.9		73ASL5-5	73ASL6-5
14.2mm	7.9-9.5	73ASL4-6	73ASL5-6	73ASL6-6
19.5mm	12.7-15.9	73ASL4-8		73ASL6-8
21.1mm	12.7-15.9			73ASL6-10
24.2mm	15.9-19.0			73ASL6-12
27.4mm	19.0 - 22.2			73ASL6-14
30.6mm	22.2-25.4			73ASL6-16
36.5mm	25.4-31.8			73ASL6-20



RIVET TRUSS HEAD BLIND ALUMINIUM/STEEL				
L	GRIP RANGE	4 (3.2mm)	5 (4.0mm)	6 (4.8mm)
4.7mm	up to 1.6	73AS4-1	73AS5-1	
6.3mm	1.6-3.2	73AS4-2	73AS5-2	73AS6-2
7.9mm	3.2-4.8	73AS4-3	73AS5-3	73AS6-3
9.5mm	4.8-6.4	73AS4-4	73AS5-4	73AS6-4
11.0mm	6.4-7.9	73AS4-5	73AS5-5	73AS6-5
12.7mm	7.9-9.5	73AS4-6	73AS5-6	73AS6-6
16.4mm	9.5-12.7	73AS4-8	73AS5-8	73AS6-8
20.1mm	12.7-15.9	73AS4-10	73AS5-10	73AS6-10
24.2mm	15.9-19.0	73AS4-12		73AS6-12
30.6mm	19.0-25.0			73AS6-16

*OTHER SIZES AVAILABLE

RIVET BLIND COUNTERSUNK HEAD ALUMINIUM/STEEL				
L	GRIP RANGE	4 (3.2mm)	5 (4.0mm)	6 (4.8mm)
7.9mm	1.6-3.2			72AS6-2
8.2mm	3.2-5.8		72AS5-3	
9.5mm	4.8-6.4	72AS4-4	72AS5-4	72AS6-4
11.7mm	6.4-7.9	72AS4-5	72AS5-5	72AS6-6
12.7mm	7.9-9.8	72AS4-6	72AS5-6	72AS6-8
16.1mm	9.8-12.7	72AS4-8		
21mm	12.7-15.9			72AS6-10



RIVET BLIND COUNTERSUNK HEAD STAINLESS/STAINLESS				
L	GRIP RANGE	4 (3.2mm)	5 (4.0mm)	6 (4.8mm)
6.3mm	1.6-3.2	72STST4-2		
10.9mm	4.8-6.4	72STST4-4	72STST5-4	72STST6-4
14.7mm	7.9-9.5			72STST6-6



**WIDE RANGE OF
SPECIALISED
RIVETS AVAILABLE**



CONTACT US TO DISCUSS YOUR REQUIREMENTS **09 255 5575**



Threaded Rod





Contents



METRIC THREADED ROD	
Ø	NYLON
3mm	TR3x1000NY
4mm	TR4x1000NY
5mm	TR5x1000NY
6mm	TR6x1000NY
8mm	TR8 x1000NY
10mm	TR10X1000NY
12mm	TR12X1000NY
14mm	TR14X1000NY
16mm	TR16X1000NY



MILD STEEL METRIC THREADED ROD						
Ø	ZINC			GALVANIZED		
	1M	2M	3M	1M	2M	3M
3mm	TR463x1000Z					
4mm	TR464x1000Z					
5mm	TR465x1000Z					
6mm	TR466x1000Z	TR466x2000Z				
8mm	TR468x1000Z	TR468x2000Z		TR468x1000G		
10mm	TR4610x1000Z	TR4610x2000Z	TR4610x3000Z	TR4610x1000G	TR4610x2000G	
12mm	TR4612x1000Z	TR4612x2000Z	TR4612x3000Z	TR4612x1000G	TR4612x2000G	TR4612x3000G
14mm	TR4614x1000Z			TR4614x1000G		
16mm	TR4616x1000Z	TR4616x2000Z	TR4616x3000Z	TR4616x1000G	TR4616x2000G	TR4616x3000G
20mm	TR4620x1000Z	TR4620x2000Z	TR4620x3000Z	TR4620x1000G	TR4620x2000G	TR4620x3000G
24mm	TR4624x1000Z	TR4624x2000Z		TR4624x1000G	TR4624x2000G	TR4624x3000G
27mm				TR4627x1000G		
30mm	TR4630x1000Z			TR4630x1000G		TR4630x3000G
33mm				TR4633x1000G		
36mm				TR4636x1000G		TR4636x3000G
42mm				TR4642x1000G	TR4642x2000G	

HIGH TENSILE METRIC THREADED ROD				
YELLOW ZINC		GALVANIZED		
Ø	1M	1M	2M	3M
6mm	TR886x1000YZ			
8mm	TR888x1000YZ			
10mm	TR8810x1000YZ	TR8810x1000G		TR8810x3000G
12mm	TR8812x1000YZ	TR8812x1000G	TR8812x2000G	TR8812x3000G
14mm	TR8814x1000YZ			
16mm	TR8816x1000YZ	TR8816x1000G	TR8816x2000G	TR8816x3000G
18mm	TR8818x1000YZ			
20mm	TR8820x1000YZ	TR8820x1000G	TR8820x2000G	TR8820x3000G
22mm				
24mm	TR8824x1000YZ	TR8824x1000G	TR8824x2000G	TR8824x3000G
27mm		TR8827x1000G		
30mm	TR8830x1000YZ	TR8830x1000G	TR8830x2000G	TR8830x3000G
33mm		TR8833x1000G		
36mm		TR8836x1000G	TR8836x2000G	TR8836x3000G
42mm		TR8842x1000G		TR8842x3000G
48mm		TR8848x1000G		TR8848x3000G
56mm		TR8856x1000G		TR8856x3000G
64mm				TR8864x3000G





HIGH TENSILE METRIC THREADED ROD	
Ø	1M
8mm	TR10.9-8x1000
10mm	TR10.9-10x1000
12mm	TR10.9-12x1000
14mm	TR10.9-14x1000
16mm	TR10.9-16x1000
18mm	TR10.9-18x1000
20mm	TR10.9-20x1000
22mm	TR10.9-22x1000
24mm	TR10.9-24x1000
27mm	TR10.9-27x1000
30mm	TR10.9-30x1000
33mm	TR10.9-33x1000
36mm	TR10.9-36x1000

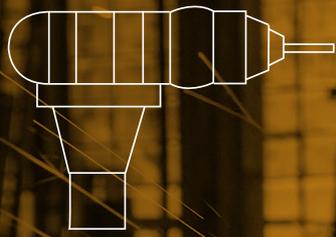


Ø	304 STAINLESS THREADED ROD			316 STAINLESS THREADED ROD		
	1M	2M	3M	1M	2M	3M
3mm	TR3x1000A2			TR3x1000A4		
4mm	TR4x1000A2			TR4x1000A4		
5mm				TR5x1000A4		
6mm	TR6x1000A2			TR6x1000A4		
8mm	TR8x1000A2	TR8x2000A2		TR8x1000A4		
10mm	TR10x1000A2	TR10x2000A2	TR10x3000A2	TR10x1000A4	TR10x2000A4	TR10x3000A4
12mm	TR12x1000A2		TR12x3000A2	TR12x1000A4	TR12x2000A4	TR12x3000A4
14mm				TR14x1000A4		
16mm	TR16x1000A2			TR16x1000A4	TR16x2000A4	TR16x3000A4
18mm				TR18x1000A4		
20mm	TR20x1000A2	TR20x2000A2		TR20x1000A4	TR20x2000A4	TR20x3000A4
22mm				TR22x1000A4		
24mm	TR24x1000A2			TR24x1000A4	TR24x2000A4	TR24x3000A4
27mm				TR27x1000A4		TR30x3000A4
30mm				TR30x1000A4		
33mm				TR33x1000A4		
36mm				TR36x1000A4		

THREADED ROD CUTTER

CODE	DESCRIPTION	SIZE
AB-43W	MCC ThreadedRod Cutter Dual	10 & 12mm
AB-M10	MCC Threaded Rod Cutter	10mm
AB-M8	MCC Threaded Rod Cutter	8mm





Tools & Accessories



Contents



**EUROBOOR ECO.30 MAGNETIC
BASE DRILL > 30MM
ECO.30**

Due to its compact size the ECO.30 is the ideal machine to drill holes in small spaces. The ECO.30 measures barely 27.5cm long and weighs only 8.5kg. With its 900W power the ECO.30 cuts holes between 12-30mm easily and quickly.



**EUROBOOR MAGNETIC BASE
DRILL > 32MM
ECO.32**

The ECO.32 has been the best-selling magnetic drilling machine in the recent years. The sufficient basic model has been provided with an eager single speed 1000 W motor. At no more than 12 kg the ECO.32 is the lightest and most compact magnetic drilling machine in the ECO series.



**EUROBOOR ECO.36 LOW
PROFILE MAG DRILL
ECO.36**

The Euroboor ECO.36 magnetic core drilling machine is the lowest drilling machine in the market, measuring only 165 mm in height. This magnetic core drilling machine is perfect for drilling in spaces with limited heights such as H-beams, steel structures, plates, profiles, etc. The portable ECO.36 is equipped with a powerful magnet, user friendly Quick Connect cutter fitment system, and easy release / lock feed handle for both left and right operation.



The Euroboor TUBE.30 with patented shallow-field magnetic technology, is suitable for both flat and pipe material and offers incredibly strong grip, even on steel as thin as 3mm. This magnetic core drilling machine automatically pivots to conform to any pipe of 75mm diameter or larger. The magnet does not require electricity, so all the power goes to the motor. This offers increased safety as the drilling machine will not release from the target material in the event of an unintentional power loss.

**EUROBOOR MAGNETIC BASE
TUBE DRILL - 30MM
ECO-TUBE.30**



ANNULAR CUTTER

Ø	ANNULAR CUTTER	Ø	ANNULAR CUTTER
12Ø x 30mm	HMSU.120	12Ø x 55mm	HMLU.120
13Ø x 30mm	HMSU.130	13Ø x 55mm	HMLU.130
14Ø x 30mm	HMSU.140	14Ø x 55mm	HMLU.140
15Ø x 30mm	HMSU.150	15Ø x 55mm	HMLU.150
16Ø x 30mm	HMSU.160	16Ø x 55mm	HMLU.160
17Ø x 30mm	HMSU.170	17Ø x 55mm	HMLU.170
18Ø x 30mm	HMSU.180	18Ø x 55mm	HMLU.180
19Ø x 30mm	HMSU.190	19Ø x 55mm	HMLU.190
20Ø x 30mm	HMSU.200	20Ø x 55mm	HMLU.200
21Ø x 30mm	HMSU.210	21Ø x 55mm	HMLU.210
22Ø x 35mm	HMSU.220	22Ø x 55mm	HMLU.220
23Ø x 35mm	HMSU.230	23Ø x 55mm	HMLU.230
24Ø x 35mm	HMSU.240	24Ø x 55mm	HMLU.240
25Ø x 35mm	HMSU.250	25Ø x 55mm	HMLU.250
26Ø x 35mm	HMSU.260	26Ø x 55mm	HMLU.260
27Ø x 35mm	HMSU.270	27Ø x 55mm	HMLU.270
28Ø x 35mm	HMSU.280	28Ø x 55mm	HMLU.280
29Ø x 35mm	HMSU.290	29Ø x 55mm	HMLU.290
30Ø x 35mm	HMSU.300	30Ø x 55mm	HMLU.300
31Ø x 35mm	HMSU.310	31Ø x 55mm	HMLU.310
32Ø x 35mm	HMSU.320	32Ø x 55mm	HMLU.320
33Ø x 35mm	HMSU.330	33Ø x 55mm	HMLU.330
34Ø x 35mm	HMSU.340	34Ø x 55mm	HMLU.340
35Ø x 35mm	HMSU.350	35Ø x 55mm	HMLU.350
36Ø x 35mm	HMSU.360	36Ø x 55mm	HMLU.360
37Ø x 35mm	HMSU.370	37Ø x 55mm	HMLU.370
38Ø x 35mm	HMSU.380	38Ø x 55mm	HMLU.380
39Ø x 35mm	HMSU.390	39Ø x 55mm	HMLU.390
40Ø x 35mm	HMSU.400	40Ø x 55mm	HMLU.400
41Ø x 35mm	HMSU.410	41Ø x 55mm	HMLU.410
42Ø x 35mm	HMSU.420	42Ø x 55mm	HMLU.420
43Ø x 35mm	HMSU.430	43Ø x 55mm	HMLU.430
44Ø x 35mm	HMSU.440	44Ø x 55mm	HMLU.440
45Ø x 35mm	HMSU.450	45Ø x 55mm	HMLU.450
46Ø x 35mm	HMSU.460	46Ø x 55mm	HMLU.460
47Ø x 35mm	HMSU.470	47Ø x 55mm	HMLU.470
48Ø x 35mm	HMSU.480	48Ø x 55mm	HMLU.480
49Ø x 35mm	HMSU.490	49Ø x 55mm	HMLU.490
50Ø x 35mm	HMSU.500	50Ø x 55mm	HMLU.500

EUROBOOR PILOT PIN	
DESCRIPTION	CALIBRI (BODY)
IBC.100	Euroboor Pilot Pin 123mm (Suits HCL 61-130mm)
IBC.130	Euroboor Pilot Pin 162mm (Suits HMX, HCX 61mm +)
IBC.2P-144	Euroboor Extended Pilot Pin 144mm x 8mm
IBC.70	Euroboor Pilot Pin 77mm (Suits HCS 12-60mm)
IBC.75	Euroboor Pilot Pin 87mm (Suits HMS 12-17mm)
IBC.80	Euroboor Pilot Pin 103mm (Suits HML18-60mm)
IBC.85	Euroboor Pilot Pin 90mm (Suits HMS 18-50mm)
IBC.90	Euroboor Pilot Pin 102mm (Suits HCL 12-60mm)
IBC.K100	Euroboor Pilot Pin 203mm (Suits HCX.12- 20mm)
IBC.K25	Euroboor Pilot Pin 125mm (Suits HCY 14-50mm - Not HCX)
IBC.K50	Euroboor Pilot Pin 155mm (Suits HCX 18-50mm)
IBC.K75	Euroboor Pilot Pin 177mm (Suits HCL 12-60mm + 75Ext)
IBCRB6-1	Imperial USA Recip Blade Carbide Grit 6 Inch - Pack 1





JOBBER DRILL SET		JOBBER DRILL SET		JOBBER DRILL SET		JOBBER DRILL SET	
Ø	GOLD	Ø	GOLD	Ø	GOLD	Ø	GOLD
0.3mm	9LM003	3.3mm	9LM033	6.5mm	9LM065	9.8mm	9LM098
0.4mm	9LM004	3.4mm	9LM034	6.6mm	9LM066	9.9mm	9LM099
0.5mm	9LM005	3.5mm	9LM035	6.7mm	9LM067	10mm	9LM100
0.58mm	9LM0058	3.6mm	9LM036	6.8mm	9LM068	10.1mm	9LM101
0.6mm	9LM006	3.7mm	9LM037	6.9mm	9LM069	10.2mm	9LM102
0.7mm	9LM007	3.8mm	9LM038	7mm	9LM070	10.3mm	9LM103
0.8mm	9LM008	3.9mm	9LM039	7.1mm	9LM071	10.4mm	9LM104
0.9mm	9LM009	4mm	9LM040	7.2mm	9LM072	10.5mm	9LM105
1mm	9LM010	4.1mm	9LM041	7.3mm	9LM073	10.6mm	9LM106
1.1mm	9LM011	4.2mm	9LM042	7.4mm	9LM074	10.7mm	9LM107
1.2mm	9LM012	4.3mm	9LM043	7.5mm	9LM075	10.8mm	9LM108
1.3mm	9LM013	4.4mm	9LM044	7.6mm	9LM076	10.9mm	9LM109
1.4mm	9LM014	4.5mm	9LM045	7.7mm	9LM077	11mm	9LM110
1.5mm	9LM015	4.6mm	9LM046	7.8mm	9LM078	11.1mm	9LM111
1.6mm	9LM016	4.7mm	9LM047	7.9mm	9LM079	11.2mm	9LM112
1.7mm	9LM017	4.8mm	9LM048	8mm	9LM080	11.3mm	9LM113
1.8mm	9LM018	4.9mm	9LM049	8.1mm	9LM081	11.4mm	9LM114
1.9mm	9LM019	5mm	9LM050	8.2mm	9LM082	11.5mm	9LM115
2mm	9LM020	5.1mm	9LM051	8.3mm	9LM083	11.6mm	9LM116
2.1mm	9LM021	5.2mm	9LM052	8.4mm	9LM084	11.7mm	9LM117
2.2mm	9LM022	5.3mm	9LM053	8.5mm	9LM085	11.8mm	9LM118
2.25mm	9LM0225	5.4mm	9LM054	8.6mm	9LM086	11.9mm	9LM119
2.3mm	9LM023	5.5mm	9LM055	8.7mm	9LM087	12mm	9LM120
2.4mm	9LM024	5.6mm	9LM056	8.8mm	9LM088	12.1mm	9LM121
2.5mm	9LM025	5.7mm	9LM057	8.9mm	9LM089	12.2mm	9LM122
2.6mm	9LM026	5.8mm	9LM058	9mm	9LM090	12.3mm	9LM123
2.7mm	9LM027	5.9mm	9LM059	9.1mm	9LM091	12.4mm	9LM124
2.75mm	9LM0275	6mm	9LM060	9.2mm	9LM092	12.5mm	9LM125
2.8mm	9LM028	6.1mm	9LM061	9.3mm	9LM093	12.6mm	9LM126
2.9mm	9LM029	6.15mm	9LM0615	9.4mm	9LM094	12.7mm	9LM127
3mm	9LM030	6.2mm	9LM062	9.5mm	9LM095	12.8mm	9LM128
3.1mm	9LM031	6.3mm	9LM063	9.6mm	9LM096	12.9mm	9LM129
3.2mm	9LM032	6.4mm	9LM064	9.7mm	9LM097	13mm	9LM130

ALPHA STEP DRILL SPIRAL FLUTE	
Ø	GOLD
4-12mm	9STSFM4-12S
4-20mm	9STSFM4-20S
6-30mm	9STSFM6-30S
6-36mm	9STSFM6-36S



ALPHA HEX SHANK	
Ø	GOLD
1.5mm	9QRM015
2mm	9QRM020
2.4mm	9QRM024
3mm	9QRM030
3.2mm	9QRM032
3.3mm	9QRM033
3.5mm	9QRM035
3.6mm	9QRM036
4mm	9QRM040
4.2mm	9QRM042
4.5mm	9QRM045
4.8mm	9QRM048
5mm	9QRM050
5.5mm	9QRM055
5.6mm	9QRM056
6mm	9QRM060
6.3mm	9QRM063
6.5mm	9QRM065



ALPHA DOUBLE END PANEL DRILL	
Ø	GOLD
No 11 - 4.85mm	9D11
No 20 - 4.09mm	9D20
No 30 - 3.26mm	9D30





REDUCED SHANK	
Ø	GOLD
10.5mm	C9LM105R
11mm	C9LM110R
11.5mm	C9LM115R
12mm	C9LM120R
12.5mm	C9LM125R
13mm	C9LM130R
13.5mm	C9LM135R
14mm	C9LM140R
14.5mm	C9LM145R
15mm	C9LM150R
15.5mm	C9LM155R
16mm	C9LM160R
16.5mm	C9LM165R
17mm	C9LM170R
17.5mm	C9LM175R
18mm	C9LM180R
18.5mm	C9LM185R
19mm	C9LM190R
19.5mm	C9LM195R
20mm	C9LM200R
20.5mm	C9LM205R
21mm	C9LM210R
21.5mm	C9LM215R
22mm	C9LM220R
22.5mm	C9LM225R
23mm	C9LM230R
23.5mm	C9LM235R
24mm	C9LM240R
24.5mm	C9LM245R
25mm	C9LM250R
26mm	C9LM260R
27mm	C9LM270R
28mm	C9LM280R
29mm	C9LM290R
30mm	C9LM300R
32mm	C9LM320R

METRIC DRILL SET

1.5-6.5 - 13 Piece	SM13G
1.0-10.0 - 19 Piece	SM19G
1.0-13.0 - 25 Piece	SM25G



IMPERIAL DRILL SET

1/16"-1/4" - 13 Piece	SI13G
1/16"-3/8" - 21 Piece	SI21G
1/16"-1/2" - 29 Piece	SI29G



GOLD STUB DRILL

Ø	METRIC
2mm	9SM020
2.25mm	9SM0225
2.5mm	9SM025
2.75mm	9SM0275
3mm	9SM030
3.5mm	9SM035
4mm	9SM040
4.5mm	9SM045
4.9mm	9SM049
5mm	9SM050
5.1mm	9SM051
5.5mm	9SM055
6mm	9SM060
6.5mm	9SM065
7mm	9SM070
8mm	9SM080
9mm	9SM090
10mm	9SM100
12mm	9SM120
12.5mm	9SM125
13mm	9SM130





CENTRE DRILL				
Ø	OAL	Ø	SHANK LENGTH	CODE
1/8"	32mm	3.15mm	10mm	9CD1-18
3/16"	47mm	4.7mm	12.7mm	9CD2-316
1/4"	50mm	6.3mm	14.6mm	9CD3-14
5/16"	53mm	7.9mm	16.7mm	9CD4-516
7/16"	69mm	11mm	22.3mm	9CD5-716
1/2"	75mm	12.7mm	25.3mm	9CD6-12
3/4"	88mm	19mm	31.7mm	9CD8-34



CROSS HOLE 90°	
Ø	CROSS HOLE 90°
10mm	CSCH-10
14mm	CSCH-14
21.5mm	CSCH-21
28mm	CSCH-28
35mm	CSCH-35
44mm	CSCH-44

SHIPPER AUGER DRILL	
Ø X L	CODE
6mm x 200mm	WA060200
6mm x 450mm	WA060450
8mm x 200mm	WA080200
8mm x 450mm	WA080450
10mm x 200mm	WA100200
10mm x 460mm	WA100460
10mm x 600mm	WA100600
12mm x 200mm	WA120200
12mm x 460mm	WA120460
12mm x 600mm	WA120600
14mm x 200mm	WA140200
14mm x 450mm	WA140450
14mm x 600mm	WA140600
15mm x 200mm	WA150200
16mm x 200mm	WA160200
16mm x 450mm	WA160450
16mm x 600mm	WA160600
18mm x 200mm	WA180200
18mm x 450mm	WA180450
18mm x 600mm	WA180600
20mm x 200mm	WA200200
20mm x 450mm	WA200450
20mm x 600mm	WA200600
21mm x 210mm	WA210210

SHIPPER AUGER DRILL	
Ø X L	CODE
22mm x 200mm	WA220200
22mm x 450mm	WA220450
22mm x 600mm	WA220600
24mm x 200mm	WA240200
24mm x 450mm	WA240450
24mm x 600mm	WA240600
25mm x 200mm	WA250200
25mm x 450mm	WA250450
25mm x 600mm	WA250600
26mm x 200mm	WA260200
26mm x 450mm	WA260450
26mm x 600mm	WA260600
28mm x 200mm	WA280200
28mm x 450mm	WA280450
28mm x 600mm	WA280600
30mm x 200mm	WA300200
30mm x 450mm	WA300450
30mm x 600mm	WA300600
32mm x 200mm	WA320200
32mm x 600mm	WA320600
34mm x 600mm	WA340600
35mm x 200mm	WA350200
36mm x 200mm	WA360200
36mm x 600mm	WA360600
36mm x 200mm	WA36X200
36mm x 600mm	WA36X600





HOLE SAW	
Ø	BI METAL
14mm	HSV14
16mm	HSV16
17mm	HSV17
19mm	HSV19
20mm	HSV20
21mm	HSV21
22mm	HSV22
24mm	HSV24
25mm	HSV25
27mm	HSV27
29mm	HSV29
30mm	HSV30
32mm	HSV32
33mm	HSV33
35mm	HSV35
37mm	HSV37
38mm	HSV38
40mm	HSV40
41mm	HSV41
43mm	HSV43
44mm	HSV44
45mm	HSV45
46mm	HSV46
48mm	HSV48
52mm	HSV52
54mm	HSV54
55mm	HSV55
57mm	HSV57
59mm	HSV59
64mm	HSV64
67mm	HSV67

HOLE SAW	
Ø	BI METAL
68mm	HSV68
70mm	HSV70
73mm	HSV73
75mm	HSV75
76mm	HSV76
79mm	HSV79
83mm	HSV83
86mm	HSV86
89mm	HSV89
92mm	HSV92
95mm	HSV95
98mm	HSV98
100mm	HSV100
102mm	HSV102
105mm	HSV105
108mm	HSV108
111mm	HSV111
114mm	HSV114
121mm	HSV121
127mm	HSV127
140mm	HSV140
146mm	HSV146
152mm	HSV152
160mm	HSV160
168mm	HSV168
177mm	HSV177
185mm	HSV185
200mm	HSV200
210mm	HSV210
250mm	HSV250

HOLE SAW	
Ø	MULTI-PURPOSE
16mm	HSTCT-16
20mm	HSTCT-20
22mm	HSTCT-22
25mm	HSTCT-25
27mm	HSTCT-27
30mm	HSTCT-30
32mm	HSTCT-32
35mm	HSTCT-35
38mm	HSTCT-38
40mm	HSTCT-40
44mm	HSTCT-44
45mm	HSTCT-45
50mm	HSTCT-50
51mm	HSTCT-51
54mm	HSTCT-54
55mm	HSTCT-55
57mm	HSTCT-57
60mm	HSTCT-60
64mm	HSTCT-64
67mm	HSTCT-67
68mm	HSTCT-68
70mm	HSTCT-70
73mm	HSTCT-73
76mm	HSTCT-76
80mm	HSTCT-80
82mm	HSTCT-82
86mm	HSTCT-86
89mm	HSTCT-89
92mm	HSTCT-92
102mm	HSTCT-102
114mm	HSTCT-114
125mm	HSTCT-125
140mm	HSTCT-140
152mm	HSTCT-152



DART 9 PIECE HOLE SAW KIT	
DESCRIPTION	CODE
Cutting Depth: 38mm Diameter (mm): 19, 22, 29, 38, 44, 51, 57mm	HSKPLW16

SDS PLUS MASONRY DRILL BIT

Ø X L	MASONRY DRILL BIT	Ø X L	MASONRY DRILL BIT	Ø X L	MASONRY DRILL BIT
4mm x 110mm	SP040110G	10mm x 110mm	SP100160	16mm x 160mm	SP160160G
4mm x 160mm	SP040160G	10mm x 160mm	SP100160	16mm x 210mm	SP160210G
5mm x 110mm	SP050110G	10mm x 210mm	SP100210	16mm x 260mm	SP160260G
5mm x 160mm	SP050160G	10mm x 260mm	SP100260	16mm x 310mm	SP160310G
5mm x 210mm	SP050210G	10mm x 310mm	SP100310	16mm x 450mm	SP160450G
5.5mm x 110mm	SP055110G	10mm x 350mm	SP100350	16mm x 600mm	SP160600G
5.5mm x 160mm	SP055160G	10mm x 450mm	SP100450	16mm x 800mm	SP160800G
5.5mm x 210mm	SP055210G	10mm x 600mm	SP100600	16mm x 1000mm	SP1601000G
5.5mm x 310mm	SP055310G	10mm x 1000mm	SP1001000	18mm x 200mm	SP180200G
6mm x 110mm	SP060110G	11mm x 260mm	SP110260	18mm x 300mm	SP180300G
6mm x 160mm	SP060160G	12mm x 160mm	SP120160	18mm x 450mm	SP180450G
6mm x 210mm	SP060210G	12mm x 210mm	SP120210	18mm x 600mm	SP180600G
6mm x 310mm	SP060310G	12mm x 260mm	SP120260	18mm x 1000mm	SP1801000G
6mm x 460mm	SP060460G	12mm x 310mm	SP120310	20mm x 200mm	SP200200G
6.5mm x 110mm	SP065110G	12mm x 360mm	SP120360	20mm x 300mm	SP200300G
6.5mm x 160mm	SP065160G	12mm x 450mm	SP120450	20mm x 450mm	SP200450G
6.5mm x 210mm	SP065210G	12mm x 600mm	SP120600	20mm x 600mm	SP200600G
6.5mm x 260mm	SP065260G	12mm x 1000mm	SP1201000	22mm x 250mm	SP220250G
6.5mm x 310mm	SP065310G	13mm x 160mm	SP130160	22mm x 450mm	SP220450G
7mm x 160mm	SP070160G	13mm x 210mm	SP130210	22mm x 600mm	SP220600G
7mm x 250mm	SP070250G	13mm x 310mm	SP130310	23mm x 450mm	SP230450G
7mm x 450mm	SP070450G	13mm x 450mm	SP130450	24mm x 250mm	SP240250G
8mm x 110mm	SP080110G	13mm x 600mm	SP130600	24mm x 450mm	SP240450G
8mm x 160mm	SP080160G	14mm x 260mm	SP140260	25mm x 250mm	SP250250G
8mm x 210mm	SP080210G	14mm x 310mm	SP140310	25mm x 450mm	SP250450G
8mm x 260mm	SP080260G	14mm x 450mm	SP140450	25mm x 600mm	SP250450G
8mm x 310mm	SP080310G	14mm x 600mm	SP140600	26mm x 250mm	SP260250G
8mm x 460mm	SP080460G	14 mm x 1000mm	SP1401000	26mm x 450mm	SP260450G
8mm x 600mm	SP080600G	15mm x 260mm	SP150260		
9mm x 210mm	SP090210G	15mm x 450mm	SP150450		





SDS PLUS ZENTRO DRILL BIT			
Ø X L	4 CUTTER	Ø X L	4 CUTTER
5mm x 110mm	SPZ050110	14mm x 260mm	SPZ120260
5mm x 160mm	SPZ050160	14mm x 450mm	SPZ120450
5.5mm x 110mm	SPZ055110	16mm x 260mm	SPZ160260
5.5mm x 160mm	SPZ055160	16mm x 450mm	SPZ160450
6mm x 110mm	SPZ060110	18mm x 250mm	SPZ180250
6mm x 160mm	SPZ060160	18mm x 450mm	SPZ180450
6mm x 210mm	SPZ060210	20mm x 250mm	SPZ200250
6.5mm x 110mm	SPZ065110	20mm x 450mm	SPZ200450
6.5mm x 160mm	SPZ065160	22mm x 250mm	SPZ220250
6.5mm x 210mm	SPZ065210	22mm x 450mm	SPZ220450
8mm x 160mm	SPZ080160	24mm x 250mm	SPZ240250
8mm x 210mm	SPZ080210	24mm x 450mm	SPZ240450
10mm x 160mm	SPZ100160	25mm x 250mm	SPZ250250
10mm x 210mm	SPZ100210	25mm x 450mm	SPZ250450
10mm x 260mm	SPZ100260	28mm x 250mm	SPZ280250
12mm x 160mm	SPZ120160	28mm x 450mm	SPZ280450
12mm x 210mm	SPZ120210	30mm x 250mm	SPZ300250
12mm x 260mm	SPZ120260	30mm x 450mm	SPZ300450
12mm x 310mm	SPZ120310	32mm x 450mm	SPZ320450



SDS PLUS CHISELS				
WIDTH	LENGTH	FITMENT	DESCRIPTION	CODE
	250	SDS PLUS	Pointed Chisel	SPPC250
20	250	SDS PLUS	Flat Chisel	SPFC20250
40	250	SDS PLUS	Spade Chisel	SPSC40250
22	250	SDS PLUS	Hollow Chisel	SPHOL250

SDS MAX MASONRY DRILL BIT

Ø X L	4 CUTTER	Ø X L	4 CUTTER
12mm x 340mm	SXZ12340	26mm x 300mm	SXZ26300
12mm x 540mm	SXZ12540	26mm x 520mm	SXZ26520
14mm x 340mm	SXZ14340	28mm x 370mm	SXZ28370
14mm x 540mm	SXZ14540	28mm x 570mm	SXZ28570
14mm x 920mm	SXZ14920	30mm x 570mm	SXZ28920
16mm x 340mm	SXZ16340	32mm x 370mm	SXZ30370
16mm x 540mm	SXZ16540	32mm x 570mm	SXZ30570
16mm x 920mm	SXZ16920	32mm x 920mm	SXZ32370
18mm x 340mm	SXZ18340	35mm x 570mm	SXZ32570
18mm x 540mm	SXZ18540	35mm x 920mm	SXZ32920
18mm x 920mm	SXZ18920	37mm x 570mm	SXZ35570
20mm x 320mm	SXZ20320	38mm x 370mm	SXZ35920
20mm x 520mm	SXZ20520	38mm x 570mm	SXZ37570
20mm x 920mm	SXZ20920	40mm x 370mm	SXZ38370
22mm x 320mm	SXZ22320	40mm x 570mm	SXZ38570
22mm x 520mm	SXZ22520	40mm x 920mm	SXZ40370
22mm x 920mm	SXZ22920	45mm x 570mm	SXZ40570
24mm x 320mm	SXZ24320	50mm x 570mm	SXZ40920
24mm x 520mm	SXZ24520	52mm x 570mm	SXZ45570
25mm x 320mm	SXZ25320		
25mm x 520mm	SXZ25520		
25mm x 920mm	SXZ25920		



SDS MAX CHISELS

WIDTH	LENGTH	FITMENT	DESCRIPTION	CODE
	280mm	SDS MAX	Pointed Chisel	SXPC280
	400mm	SDS MAX	Pointed Chisel	SXPC400
	600mm	SDS MAX	Pointed Chisel	SXPC600
25mm	280mm	SDS MAX	Flat Chisel	SXFC25280
25mm	400mm	SDS MAX	Flat Chisel	SXFC25400
25mm	600mm	SDS MAX	Flat Chisel	SXFC25600
50mm	400mm	SDS MAX	Spade Chisel	SXSC50400
80mm	300mm	SDS MAX	Spade Chisel	SXSC80300
26mm	300mm	SDS MAX	Hollow Chisel	SXHOL300





STRAIGHT SHANK	
Ø X L	CODE
3mm x 65mm	MA030065
3.5mm x 75mm	MA035075
4mm x 75mm	MA040075
4.5mm x 65mm	MA045065
4.5mm x 150mm	MA045150
5mm x 85mm	MA050085
5mm x 150mm	MA050150
5.5mm x 85mm	MA055085
5.5mm x 150mm	MA055150
6mm x 100mm	MA060100
6mm x 150mm	MA060150
6.5mm x 100mm	MA065100
6.5mm x 150mm	MA065150
6.5mm x 300mm	MA065300
7mm x 100mm	MA070100
8mm x 120mm	MA080120
8mm x 150mm	MA080150
8mm x 300mm	MA080300
10mm x 120mm	MA100120
10mm x 150mm	MA100150
10mm x 400mm	MA100400
11mm x 150mm	MA110150
12mm x 150mm	MA120150
12mm x 400mm	MA120400
13mm x 150mm	MA130150
14mm x 210mm	MA140210
16mm x 150mm	MA160150
16mm x 400mm	MA160400

DRIVERS S SERIES		
#	LENGTH	SQUARE
0	50mm	SQ050S
0	89mm	SQ089S
1	25mm	SQ125S
1	50mm	SQ150S
1	75mm	SQ175S
1	90mm	SQ190S
1	100mm	SQ1100S
1	150mm	SQ1150S
2	25mm	SQ225S
2	50mm	SQ250S
2	75mm	SQ275S
2	90mm	SQ290S
2	100mm	SQ2100S
2	132mm	SQ2132S
2	150mm	SQ2150S
3	25mm	SQ325S
3	50mm	SQ350S
3	75mm	SQ375S
3	100mm	SQ3100S
3	150mm	SQ3150S

DRIVERS S SERIES		
#	LENGTH	POZI
1	25mm	PZ125S
1	50mm	PZ150S
1	75mm	PZ175S
1	150mm	PZ1150S
2	25mm	PZ225S
2	50mm	PZ250S
2	75mm	PZ275S
2	89mm	PZ289S
2	120mm	PZ2120S
2	150mm	PZ2150S
3	25mm	PZ325S
3	50mm	PZ350S
3	75mm	PZ375S
3	89mm	PZ389S

DRIVERS S SERIES		
#	LENGTH	PHILLIPS
0	75mm	PH075S
1	25mm	PH125S
1	50mm	PH150S
1	75mm	PH175S
1	92mm	PH192S
1	100mm	PH1100S
1	150mm	PH1150S
2	25mm	PH1150S
2	50mm	PH225S
2	65mm	PH250S
2	75mm	PH275S
2	92mm	PH292S
2	100mm	PH2100S
2	150mm	PH2150S
2	200mm	PH2200S
2	250mm	PH2250S
3	25mm	PH325S
3	50mm	PH350S
3	75mm	PH375S
3	100mm	PH3100S
3	150mm	PH3150S



DRIVERS S SERIES					
#	LENGTH	SLOT	#	LENGTH	TORX
3	50mm	SL350S	20	50mm	TX2050S
5	50mm	SL550S	20	75mm	TX2075S
5	75mm	SL575S	25	50mm	TX2550S
6	50mm	SL625S	25	75mm	TX2575S
8	50mm	SL650S	30	50mm	TX3050S
8	50mm	SL850S			
10	25mm	SL1025S			





MAGNETIC NUTSETTER					
HEX SIZE	LENGTH	METRIC	HEX SIZE	LENGTH	IMPERIAL
7mm	65	NS765	1/4"	42	NS1442
8mm	65	NS865	1/4"	65	NS1465
10mm	65	NS1065	1/4"	100	NS14100
12mm	55	NS1255	5/16"	42	NS51642
13mm	55	NS1355	5/16"	65	NS51665
			5/16"	100	NS516100
			5/16"	150	NS516150
			5/16"	200	NS516200
			5/16"	300	NS516300
			3/8"	42	NS3842
			3/8"	65	NS3865
			3/8"	150	NS38150
			7/16"	65	NS71665
			9/16"	65	NS91665



MAGNETIC BIT HOLDER		
DRIVER	LENGTH	MAGNETIC BIT HOLDER
1/4"	54mm	MBHC54
1/4"	75mm	MBHC75
1/4"	150mm	MBHC150
1/4"	300mm	MBHC300



CONCRETE CORE CUTTER	
Ø x L	METRIC
40mm x 310mm	CCC40X310
40mm x 550mm	CCC40X550
45mm x 310mm	CCC45X310
45mm x 550mm	CCC45X550
55mm x 310mm	CCC55X310
55mm x 550mm	CCC55X550
65mm x 310mm	CCC65X310
65mm x 550mm	CCC65X550
80mm x 310mm	CCC80X310
80mm x 550mm	CCC80X550

CRC Coloured Zinc's unique formulation combines superior rust inhibiting properties of zinc with a tough but flexible enamel coating. The coloured satin finish comes in recognised safety colours which resists undercutting and blistering from corrosion by forming an effective corrosion barrier. MPI Approved C23.



CRC BLACK ZINC AEROSOL

CODE	SIZE	PACK QTY
2089	400ml	6

CRC Black Zinc is recommended as a top coat for added corrosion control, on fabricated metals, engine parts, starter motors, radiators and much more. Coloured zincs are quick drying, primer less topcoats, reinforced with zinc complex.



CRC BLUE ZINC

CODE	SIZE	PACK QTY
2097	400ml	6

CRC Blue Zinc provides a satin top-coat finish but unlike standard paint systems, resists undercutting and blistering from corrosion by forming an effective corrosion barrier. Ideal for use on scaffolding, garage doors, warehouse racking, fabricated metals, agricultural & factory machinery .



CRC ORANGE ZINC AEROSOL

CODE	SIZE	PACK QTY
2101	400ml	6

CRC Orange Zinc is used on safety barriers, fork hoists, construction & mining equipment, fabricated metals and much more. High levels of anti-corrosive zinc complexes are embedded in a resin system which forms a quick-drying highly-protective enamel coating with excellent adhesion to bare metal.

CRC RED ZINC AEROSOL

CODE	SIZE	PACK QTY
2100	400ml	6

CRC Red Zinc provides a satin top-coat finish but unlike standard paint systems, resists undercutting and blistering from corrosion by forming an effective corrosion barrier. Used on fabricated metals and surfaces where a red finish is desirable.



CRC YELLOW ZINC AEROSOL

CODE	SIZE	PACK QTY
2098	400ml	6

CRC Yellow Zinc provides a satin top-coat finish but unlike standard paint systems, resists undercutting and blistering from corrosion by forming an effective corrosion barrier. Used on safety barriers, fork hoists, construction & mining equipment, fabricated metals and much more.



CRC CLEAR ZINC AEROSOL

CODE	SIZE	PACK QTY
2102	400ml	6

CRC Clear Zinc's advanced protective coating technology protects surfaces from chemical, environmental and ultraviolet damage preventing rust, oxidation, corrosion, staining, and fading, for up to 27 months. CRC Clear Zinc is an easy to use, long lasting, high performance protective clear coating that can be applied to almost any surface.





CRC ZINC IT AEROSOL

CODE	SIZE	PACK QTY
2025	350g	6

Easy to apply, CRC ZINC IT is a single component zinc rich compound with a special epoxy binder and contains 93% of the highest purity zinc in the dried film, to give galvanic rust prevention. This galvanic rust protection offers the same advantages as hot-dip galvanizing.



CRC BRIGHT ZINC AEROSOL

CODE	SIZE	PACK QTY
3370	400ml	6

Quick dry coating that combines rust inhibiting properties of Zinc with a flexible enamel coating. CRC Bright Zinc provides a gloss top-coat finish but unlike standard paint systems, resists undercutting and blistering from corrosion. It is ideal for touch-up and repair of damaged galvanised surfaces and effective long-term rust protection with the bright look of a newly galvanised surface.



CRC PAINT MARKER PEN

CODE	SIZE	PACK QTY
20365	BLACK	6
20369	BLUE	6
20375	GOLD	6
20380	GREEN	6
20384	ORANGE	6
20388	RED	6
20392	SILVER	6
20395	WHITE	6
20400	YELLOW	6

CRC Paint Marker Pen uses solvent based paint formula for durable marking on multiple surfaces in all weather conditions. It shows excellent coverage and is an ideal product for every toolbox. Fast drying and can be used on Wood, metal, concrete, stone, bricks, rubber, glass, textile, paper, enamel, plastic, cardboard, some tiles, etc.

SILVER SERIES GRINDING DISCS

CODE	SIZE	MAX RPM	PACK QTY
GGDSS10060	100 x 6.0mm	15,300	10
GGDSS11560	115 x 6.0mm	13,300	10
GGDSS12560	125 x 6.0mm	12,250	10
GGDSS18060	180 x 6.0mm	8,500	10
GGDSS23060	230 x 6.0mm	6,650	10

- High Quality industrial grade grinding discs.
- MPA Tested in Hannover Germany.
- Manufactured to EN12413 Standards.
- Depressed centre, suitable for all general purpose grinding.
- Well balanced and long lasting.



SILVER SERIES FLAP DISCS

CODE	SIZE	GRIT	MAX RPM	PACK QTY				
GFDSS10040	100mm	Z40	15,300	10				
GFDSS10060	100mm	Z60	15,300	10				
GFDSS10080	100mm	Z80	15,300	10				
GFDSS100120	100mm	Z120	15,300	10				
GFDSS11540	115mm	Z40	13,300	10				
GFDSS11560	115mm	Z60	13,300	10				
GFDSS11580	115mm	Z80	13,300	10				
GFDSS115120	115mm	Z120	13,300	10				
GFDSS12540	125mm	Z40	12,250	10				
GFDSS12560	125mm	Z60	12,250	10				
GFDSS12580	125mm	Z80	12,250	10				
GFDSS125120	125mm	Z120	12,250	10				
GFDSS17840	178mm	Z40	8,500	10				
GFDSS17860	178mm	Z60	8,500	10				
GFDSS17880	178mm <td Z80	8,500	10	GFDSS178120	178mm	Z120	8,500	10
GFDSS178120	178mm	Z120	8,500	10				

- The ultimate performer on mild steel and stainless steel.
- Up to 15% more abrasive than other brands.
- Type 29 (15%) style with built-in grinding angle.
- Strong fibreglass backing wears as disc is consumed.



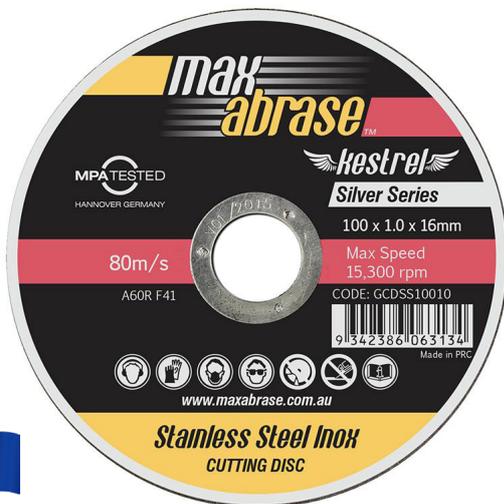


Made in Europe

GOLD SERIES CUTTING DISCS

CODE	SIZE	MAX RPM	PACK QTY
GCDGX07510	75 x 1.0mm	20,370	25
GCDGX10010	100 x 1.0mm	15,300	25
GCDGX11510	115 x 1.0mm	13,300	25
GCDGX11516	115 x 1.6mm	13,300	25
GCDGX12510	125 x 1.0mm	12,250	25
GCDGX12516	125 x 1.6mm	12,250	25
GCDGX12525	125 x 2.5mm	12,250	25
GCDGX18016	180 x 1.6mm	8,500	25
GCDGX18025	180 x 2.5mm	8,500	25
GCDGX23019	230 x 1.9mm	6,650	25

- High quality Stainless steel grade cutting discs.
- Lower machine load extends tool life.
- Narrow cutting joints.
- Stainless steel and general metal cutting.
- Xtra Life, Xtra Balance, OSA Approved.



Made in Europe

SILVER SERIES CUTTING DISCS

CODE	SIZE	MAX RPM	PACK QTY
GCDSS10010	100 x 1.0mm	15,300	50
GCDSS10024	100 x 2.4mm	15,300	50
GCDSS11510	115 x 1.0mm	13,300	50
GCDSS12510	125 x 1.0mm	12,250	50
GCDSS12516	125 x 1.6mm	12,250	50
GCDSS12525	125 x 2.5mm	12,250	50
GCDSS18020	180 x 2.0mm	8,500	25
GCDSS23020	230 x 2.0mm	6,650	25
GCDSS23024	230 x 2.4mm	6,650	25
GCDSS30540	300 x 4.0mm	6,400	10
GCDSS35528	355 x 2.8mm	4,350	10
GCDSS40040	400 x 4.0mm	4,800	5

- Excellent quality Stainless Steel grade cutting disc.
- MPA tested in Hanover Germany.
- Manufactured to EN12413 Standards.
- Well balanced discs.

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