PLASTI-GRIP TERMINALS & SPLICES

Quick Reference Guide

FEATURES AND BENEFITS

- PVC Insulation sleeve provides good dielectric strength and supports the wire insulation so that no bare wire is exposed
- Accepted in various markets
- Crimp performance guaranteed with with TE tooling
- Funneled wire entry on terminal prevents turned back wire strands and permits rapid wire insertion during high speed production
- Serrations in the crimp barrel provide maximum contact and tensile strength after crimping
- Most UL listed/CSA approved; insulation is 94V-0 rated

600V
Operating Voltage

105°
Max Operating Temperature (Celsius)

UL/CSA
UL and CSA Approval

PRODUCT APPLICATIONS

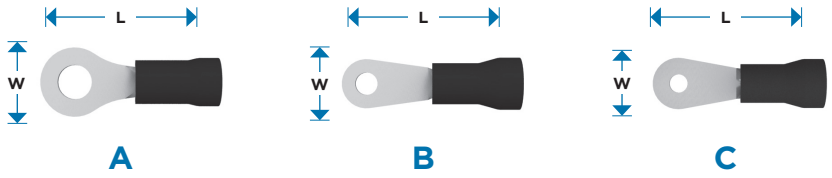
- Panel Boxes
- Motors
- Switchgear
- Power Supplies
- Instruments/Controls
- Lighting
- Transportation
- HVAC
- Repair, Service & Installation

WHAT'S INSIDE

Pre-insulated PLASTI-GRIP solderless terminals and splices are designed specifically to answer the need for low-cost, insulated electrical terminations. They consist of a high conductivity copper body and color coded PVC insulation that can be used in almost all commercial applications. Carefully engineered Application Tooling has been designed in conjunction with the terminal to promote ease and speed of application. The wire and wire barrel together form a connection of high conductivity and tensile strength, while the tin plating provides good resistance to corrosion. The quality, performance, and ease of installation make them ideal for many industrial applications. Most PLASTI-GRIP products are UL and CSA approved, and are available in various tongue styles, stud sizes, and wire ranges from 22 AWG through 2/0.

MATERIAL

Insulation: Vinyl, UL 94V-0
Terminal Body: Copper per ASTM B-152
Plating: Tin per ASTM B-545

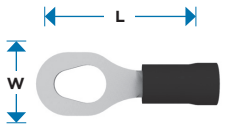


Ring Tongue Terminals

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22 - 16	0.26 - 1.65	2	M2	34140	.218	5.54	.684	17.37	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		5	M3	34141	.218	5.54	.684	17.37	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		5	M3	34143	.281	7.14	.809	20.55	Red	.140	3.56	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	32945	.218	5.54	.684	17.37	Red	.125	3.18	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34142	.218	5.54	.684	17.37	Red	.140	3.56	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	32947	.281	7.14	.809	20.55	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34144	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34147	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	32948	.281	7.14	.809	20.55	Red	.125	3.18	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	34145	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	32951	.312	7.92	.856	21.74	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	34148	.312	7.92	.856	21.74	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		34146	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		35451	.281	7.14	.809	20.55	Red	.170	4.32	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		32952	.312	7.92	.856	21.74	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		34149	.312	7.92	.856	21.74	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
			M5	130014	.315	8.00	.858	21.80	Red	.140	3.56	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	32953	.469	11.91	1.090	27.69	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	34150	.469	11.91	1.090	27.69	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	130054	.469	11.91	1.095	27.81	Red	.140	3.56	-	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		5/16	M8	34151	.469	11.91	1.090	27.69	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		3/8		34152	.531	13.49	1.230	31.24	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
16-14	1.04 - 2.62	6	M3.5	34158	.250	6.35	.715	18.16	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34159	.343	8.71	.871	22.12	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	328527	.312	7.92	.825	20.96	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	32959	.343	8.71	.871	22.12	Blue	.145	3.68	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	34160	.343	8.71	.871	22.12	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		10		32960	.343	8.71	.871	22.12	Blue	.145	3.68	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		10		34161	.343	8.71	.871	22.12	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
			M5	130102	.343	8.70	.878	22.30	Blue	.193	4.90	✔	-	A	47387	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	34162	.469	11.91	1.090	27.69	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
			M6	130126	.469	11.90	1.098	27.90	Blue	.193	4.90	✔	-	A	47387	59824-1	58433-3	2063030-1	58423-1
		5/16	M8	34163	.469	11.91	1.090	27.69	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		3/8		34164	.531	13.49	1.248	31.70	Blue	.170	4.32	-	-	A	47387	59824-1	58433-3	2063030-1	58423-1
			M10	160136	.657	16.70	1.244	31.60	Blue	.193	4.90	-	-	A	47387	59824-1	58433-3	2063030-1	58423-1
12-10	2.62 - 6.64	6	M3.5	34852	.281	7.14	.953	24.21	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1

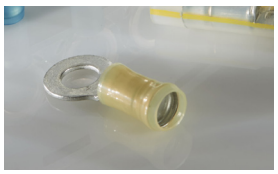
Ring Tongue Terminals (continued)

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
		8	M4	34853	.375	9.53	1.098	27.89	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		10		330518	.312	7.92	1.052	26.72	Yellow	.230	5.84	✔	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		10		34854	.375	9.53	1.098	27.89	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
			M5	160292	.374	9.50	1.098	27.90	Yellow	.252	6.40	✔	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	165035	.500	12.70	1.184	30.07	Yellow	.267	6.78	✔	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	34855	.531	13.49	1.327	33.71	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		5/16	M8	34856	.531	13.49	1.327	33.71	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
			M8	160296	.500	12.70	1.185	30.10	Yellow	.248	6.30	–	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		3/8		34173	.593	15.06	1.421	36.09	Yellow	.230	5.84	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
			M10	160300	.594	15.09	1.433	36.40	Yellow	.248	6.30	–	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		1/2	M12	34837	.750	19.05	1.594	40.49	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
8	6.64 - 10.50	8	M4	52041	.478	12.14	1.586	40.28	Red	.360	9.14	✔	–	C					
		10		52263	.431	10.95	1.556	39.52	Red	.360	9.14	✔	–	B					
		10		52263-1	.431	10.95	1.576	40.03	Red	.330	8.38	✔	–	B					
		1/4	M6	52041-1	.478	12.14	1.586	40.28	Red	.360	9.14	✔	–	C					
		5/16	M8	52291	.587	14.91	1.696	43.08	Red	.360	9.14	✔	–	C					
		3/8		52291-1	.587	14.91	1.696	43.08	Red	.360	9.14	✔	–	C					
		1/2	M12	52262-1	.875	22.23	1.860	47.24	Red	.330	8.38	–	–	A					
6	10.5 - 16.8	8	M4	52042-2	.500	12.70	1.869	47.47	Blue	.436	11.07	–	–	C					
		10		52265	.468	11.89	1.719	43.66	Blue	.436	11.07	✔	✔	B					
		1/4	M6	52042-1	.500	12.70	1.869	47.47	Blue	.436	11.07	–	–	C					
		5/16	M8	52264	.625	15.88	1.906	48.41	Blue	.450	11.43	–	–	B					
		3/8		52264-1	.625	15.88	1.906	48.41	Blue	.450	11.43	–	–	B					
		1/2	M12	52350	.815	20.70	1.851	47.02	Blue	.436	11.07	–	–	C					
4	16.8 - 26.7	10		52043-2	.546	13.87	1.948	49.48	Yellow	.450	11.43	✔	–	B					
		1/4	M6	52043-3	.546	13.87	1.948	49.48	Yellow	.450	11.43	✔	–	B					
		5/16	M8	52266	.679	17.25	2.014	51.16	Yellow	.515	13.08	–	–	B					
		3/8		52266-4	.679	17.25	2.014	51.16	Yellow	.450	11.43	✔	–	B					
2	26.7 - 42.4	1/4	M6	52267-1	.675	17.15	2.071	52.60	Red	.560	14.22	–	–	B					
		1/4	M6	52267	.675	17.15	2.071	52.60	Red	.632	16.05	–	–	B					
		5/16	M8	52044-1	.711	18.06	2.089	53.06	Red	.632	16.05	–	–	B					
		3/8		52044-2	.711	18.06	2.089	53.06	Red	.632	16.05	–	–	B					



Multiple Studsize Ring Tongue

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22 - 16	0,26 - 1,65	6 - 10	M3.5 - M5	54774-1	.325	8.26	.969	24.61	Red	.125	3.18	✔	–		47386	59824-1	58433-3	2063030-1	58423-1
16- 14	1,04 - 2,62	6 - 10	M3.5 - M5	54775-1	.325	8.26	.969	24.61	Blue	.145	3.68	✔	–		47387	59824-1	58433-3	2063030-1	58423-1



PIDG TERMINALS & SPLICES

Quick Reference Guide

FEATURES AND BENEFITS

- Made of high conductivity copper; tin-plated for optimal corrosion protection
- Copper sleeve for vibration resistance and improved wire insulation support
- Body has inner serrations for maximum electrical contact and tensile strength
- Insulation sleeves are colour-coded by wire size to the corresponding TE Connectivity (TE) tooling for easy identification and termination
- Readily available at distributors in small packages or bulk quantities
- Most PIDG terminals and splices are UL/CSA listed and Mil-Spec approved
- Operating temperature 105°C; operating voltage 300V

300V

Operating Voltage

105°

Max Operating Temperature (in C)

MIL

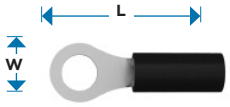
MIL-SPEC Approval

PRODUCT APPLICATIONS

- Instruments/Control
- Lighting
- Power Supplies
- Panel Boxes
- Transportation
- Lifting equipment
- Motors
- Aerospace
- Appliances

WHAT'S INSIDE

TE Connectivity's PIDG terminals are designed for uniform reliability in the harshest circuit environments, especially where high vibration and wire movement are factors. They consist of a nylon or PVC insulated body, plus a metal sleeve that crimps to the wire insulation for added support. The wire barrel design is vibration resistant, and supports the wire to bend in any direction without damaging the wire insulation or conductor. Millions of PIDG terminals and splices are still in the field many years after installation; a testament to the rigorous testing and research that went into their design and manufacturing. Many PIDG terminals meet or exceed the requirements of SAE AS7928, Type II, Class 1 and 2.



MATERIAL

Insulation: Nylon, UL 94V-2
Terminal Body: Copper per ASTM B-152
Plating: Tin per ASTM B-545
Metallic Sleeve: Copper per ASTM B-152

Ring Tongue Terminals

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Re-marks	Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool Most UL Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apvd	SDE Die Set (Commercial)
26-24	0,12-0,24	**2**	M2	**54310-1**	**.203**	5,16	**.739**	18,77	Yellow	**.105**	2,67			0,6	46121				
		4	M2.5	**52189**	**.203**	5,16	**.736**	18,69	Yellow	**.105**	2,67			0,6	46121				
		6	M3.5	**53073**	**.250**	6,35	**.792**	20,12	Yellow	**.105**	2,67			0,6	46121				
		8	M4	**54311-1**	**.281**	7,14	**.814**	20,68	Yellow	**.105**	2,67			0,6	46121				
		10		**54312-1**	**.312**	7,92	**.868**	22,05	Yellow	**.105**	2,67	✔		0,6	46121				
26-22	0,12-0,41	**0**		**321013**	**.140**	3,56	**.525**	13,34	Yellow	**.082**	2,08				46121				
		2	M2	**323912**	**.140**	3,56	**.525**	13,34	Yellow	**.082**	2,08	✔	✔		46121				
		2	M2	**329951**	**.140**	3,56	**.615**	15,62	Yellow	**.082**	2,08				46121				
		4	M2.5	**323914**	**.203**	5,16	**.646**	16,41	Yellow	**.082**	2,08	✔	✔	6	46121				
		6	M3.5	**326875**	**.250**	6,35	**.740**	18,80	Yellow	**.082**	2,08	✔	✔	6	46121				
		6	M3.5	**323915**	**.203**	5,16	**.646**	16,41	Yellow	**.082**	2,08	✔	✔		46121				
		8	M4	**323916**	**.250**	6,35	**.740**	18,80	Yellow	**.082**	2,08	✔	✔	6	46121				
		10		**324075**	**.250**	6,35	**.765**	19,43	Yellow	**.082**	2,08	✔	✔	6	46121				
24-20	0,16-0,65	**2**	M2	**329636**	**.106**	4,06	**.589**	14,96	White	**.100**	2,54				47907-1				
		4	M2.5	**323985**	**.281**	7,14	**.774**	19,66	White	**.100**	2,54				47907-1				
		6	M3.5	**323986**	**.281**	7,14	**.774**	19,66	White	**.100**	2,54	✔			47907-1				
		8	M4	**323989**	**.312**	7,92	**.821**	20,85	White	**.100**	2,54	✔			47907-1				
		10		**323990**	**.312**	7,92	**.821**	20,85	White	**.100**	2,54	✔			47907-1				
22-16	0,26-1,65	**2**	M2	**328657**	**.218**	5,54	**.672**	17,07	Red	**.125**	3,18	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		4	M2.5	**320553**	**.218**	5,54	**.672**	17,07	Red	**.125**	3,18	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		4	M2.5	**31880**	**.218**	5,54	**.672**	17,07	Red	**.140**	3,65	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		4	M2.5	**323758**	**.250**	6,35	**.844**	21,44	Red	**.125**	3,18	✔			47386	59250	58433-3	2063030-1	58423-1
		4	M2.5	**330648**	**.250**	6,35	**.844**	21,44	Red	**.140**	3,56	✔			47386	59250	58433-3	2063030-1	58423-1
		6	M3.5	**51863**	**.250**	6,35	**.782**	19,86	Red	**.125**	3,18	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		6	M3.5	**36151**	**.281**	7,14	**.797**	20,24	Red	**.125**	3,18	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		6	M3.5	**36152**	**.281**	7,14	**.797**	20,24	Red	**.140**	3,56	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		6	M3.5	**36149**	**.218**	5,54	**.672**	17,07	Red	**.125**	3,18	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		6	M3.5	**36150**	**.218**	5,54	**.672**	17,07	Red	**.140**	3,56	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		8	M4	**320554**	**.281**	7,14	**.797**	20,24	Red	**.125**	3,18	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		8	M4	**31886**	**.281**	7,14	**.797**	20,24	Red	**.140**	3,56	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		8	M4	**320551**	**.312**	7,92	**.844**	21,44	Red	**.125**	3,18	✔		6	47386	59250	58433-3	2063030-1	58423-1
		8	M4	**31890**	**.312**	7,92	**.844**	21,44	Red	**.140**	3,56	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		10		**320552**	**.281**	7,14	**.797**	20,24	Red	**.125**	3,18	✔			47386	59250	58433-3	2063030-1	58423-1
		10		**31887**	**.281**	7,14	**.797**	20,24	Red	**.140**	3,56	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		10		**36153**	**.312**	7,92	**.844**	21,44	Red	**.125**	3,18	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		10		**36154**	**.312**	7,92	**.844**	21,44	Red	**.140**	3,56	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
			M5	**130008**	**.312**	7,92	**.850**	21,60	Red	**.140**	3,56	✔	✔		47386	59250	58433-3	2063030-1	58423-1
		1/4	M6	**320571**	**.469**	11,91	**1.078**	27,38	Red	**.125**	3,18	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		1/4	M6	**31894**	**.469**	11,91	**1.078**	27,38	Red	**.140**	3,56	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
			M6	**130046**	**.469**	11,91	**1.083**	27,50	Red	**.140**	3,56		✔		47386	59250	58433-3	2063030-1	58423-1
		5/16	M8	**320572**	**.469**	11,91	**1.078**	27,38	Red	**.125**	3,18	✔		6	47386	59250	58433-3	2063030-1	58423-1
		5/16	M8	**31895**	**.469**	11,91	**1.078**	27,38	Red	**.140**	3,56	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		3/8		**320573**	**.531**	13,49	**1.218**	30,94	Red	**.125**	3,18	✔		6	47386	59250	58433-3	2063030-1	58423-1
		3/8		**31897**	**.531**	13,49	**1.218**	30,94	Red	**.140**	3,56	✔	✔	6	47386	59250	58433-3	2063030-1	58423-1
		1/2	M12	**328975**	**.713**	18,11	**1.293**	32,84	Red	**.125**	3,18		✔	6	47386	59250	58433-3	2063030-1	58423-1

Ring Tongue Terminals (continued)

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Re-marks	Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool Most UL Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apvd	SDE Die Set (Commercial)
16-14	1,04-2,62	**2**	M2	**324993**	**.180**	4,57	**.668**	16,97	Blue	**.170**	4,32	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		4	M2.5	**324159**	**.250**	6,35	**.703**	17,86	Blue	**.150**	3,81	✔			47387	59250	58433-3	2063030-1	58423-1
		4	M2.5	**328996**	**.250**	6,35	**.703**	17,86	Blue	**.170**	4,32				47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	**320561**	**.250**	6,35	**.703**	17,86	Blue	**.150**	3,81	✔			47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	**320619**	**.250**	6,35	**.703**	17,86	Blue	**.170**	4,32				47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	**326882**	**.312**	7,92	**.813**	20,65	Blue	**.170**	4,32	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	**51864**	**.312**	7,92	**.844**	21,44	Blue	**.150**	3,81	✔	✔	6	47387	59250	58433-3	2063030-1	58423-1
		8	M4	**51864-1**	**.312**	7,92	**.844**	21,44	Blue	**.150**	3,81	✔	✔	6	47387	59250	58433-3	2063030-1	58423-1
		8	M4	**320560**	**.343**	8,71	**.859**	21,82	Blue	**.150**	3,81	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		8	M4	**320565**	**.343**	8,71	**.859**	21,82	Blue	**.170**	4,32	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		10		**320574**	**.343**	8,71	**.859**	21,82	Blue	**.150**	3,81	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		10		**36160**	**.343**	8,71	**.859**	21,82	Blue	**.170**	4,32	✔	✔		47387	59250	58433-3	2063030-1	58423-1
			M5	**130090**	**.343**	8,71	**.864**	21,94	Blue	**.150**	3,80	✔			47387	59250	58433-3	2063030-1	58423-1
			M5	**130094**	**.343**	8,71	**.864**	21,94	Blue	**.170**	4,30	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		1/4	M6	**320563**	**.469**	11,91	**1.078**	27,38	Blue	**.150**	3,81	✔	✔	6	47387	59250	58433-3	2063030-1	58423-1
		1/4	M6	**321045**	**.469**	11,91	**1.078**	27,38	Blue	**.170**	4,32	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		5/16	M8	**320575**	**.469**	11,91	**1.078**	27,38	Blue	**.150**	3,81	✔		6	47387	59250	58433-3	2063030-1	58423-1
		5/16	M8	**328998**	**.469**	11,91	**1.078**	27,38	Blue	**.170**	4,32	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		3/8		**320564**	**.531**	13,49	**1.218**	30,94	Blue	**.150**	3,81	✔	✔	6	47387	59250	58433-3	2063030-1	58423-1
		3/8		**328999**	**.531**	13,49	**1.218**	30,94	Blue	**.170**	4,32	✔	✔		47387	59250	58433-3	2063030-1	58423-1
		1/2	M12	**328976**	**.713**	18,11	**1.293**	32,84	Blue	**.150**	3,81			6	47387	59250	58433-3	2063030-1	58423-1
		1/2	M12	**328849**	**.713**	18,11	**1.293**	32,84	Blue	**.170**	4,32				47387	59250	58433-3	2063030-1	58423-1
12-10	2,62-6,64	**4**	M2.5	**35148**	**.281**	7,14	**.953**	24,21	Yellow	**.250**	6,35	✔	✔			59239-4	58433-3	2063030-1	58423-1
		6	M3.5	**320634**	**.281**	7,14	**.953**	24,21	Yellow	**.230**	5,84	✔				59239-4	58433-3	2063030-1	58423-1
		6	M3.5	**35149**	**.281**	7,14	**.953**	24,21	Yellow	**.250**	6,35	✔	✔			59239-4	58433-3	2063030-1	58423-1
		6	M3.5	**320567**	**.375**	9,53	**1.083**	27,51	Yellow	**.230**	5,84	✔		6		59239-4	58433-3	2063030-1	58423-1
		6	M3.5	**35107**	**.375**	9,53	**1.083**	27,51	Yellow	**.250**	6,35	✔	✔	6		59239-4	58433-3	2063030-1	58423-1
		8	M4	**35787**	**.312**	7,92	**1.031**	26,19	Yellow	**.230**	5,84	✔				59239-4	58433-3	2063030-1	58423-1
		8	M4	**324915**	**.312**	7,92	**1.052**	26,72	Yellow	**.230**	5,84					59239-4	58433-3	2063030-1	58423-1
		8	M4	**320568**	**.375**	9,53	**1.083**	27,51	Yellow	**.230**	5,84	✔		6		59239-4	58433-3	2063030-1	58423-1
		8	M4	**35108**	**.375**	9,53	**1.083**	27,51	Yellow	**.250**	6,35	✔	✔	6		59239-4	58433-3	2063030-1	58423-1
		10		**324918**	**.312**	7,92	**1.052**	26,72	Yellow	**.230**	5,84	✔	✔			59239-4	58433-3	2063030-1	58423-1
		10		**32883**	**.343**	8,71	**1.046**	26,57	Yellow	**.230**	5,84	✔				59239-4	58433-3	2063030-1	58423-1
			M5	**130171**	**.375**	9,53	**1.090**	27,68	Yellow	**.250**	6,35	✔				59239-4	58433-3	2063030-1	58423-1
		10		**36161**	**.375**	9,53	**1.083**	27,51	Yellow	**.230**	5,84	✔	✔	6		59239-4	58433-3	2063030-1	58423-1
		10		**35109**	**.375**	9,53	**1.083**	27,51	Yellow	**.250**	6,35	✔	✔	6		59239-4	58433-3	2063030-1	58423-1
		1/4	M6	**320569**	**.531**	13,49	**1.322**	33,58	Yellow	**.230**	5,84			6		59239-4	58433-3	2063030-1	58423-1
		1/4	M6	**35110**	**.531**	13,49	**1.322**	33,58	Yellow	**.250**	6,35	✔	✔	6		59239-4	58433-3	2063030-1	58423-1
		5/16	M8	**320576**	**.531**	13,49	**1.322**	33,58	Yellow	**.230**	5,84	✔				59239-4	58433-3	2063030-1	58423-1
		5/16	M8	**35111**	**.531**	13,49	**1.322**	33,58	Yellow	**.250**	6,35	✔	✔	6		59239-4	58433-3	2063030-1	58423-1
		5/16	M8	**160298**	**.500**	12,70	**1.188**	30,18	Yellow	**.250**	6,35	✔				59239-4	58433-3	2063030-1	58423-1
		3/8		**320577**	**.593**	15,06	**1.414**	35,92	Yellow	**.230**	5,84	✔		6		59239-4	58433-3	2063030-1	58423-1
		3/8		**35112**	**.593**	15,06	**1.414**	35,92	Yellow	**.250**	6,35		✔	6		59239-4	58433-3	2063030-1	58423-1
		1/2	M12	**323784**	**.750**	19,05	**1.594**	40,49	Yellow	**.230**	5,84					59239-4	58433-3	2063030-1	58423-1
		1/2	M12	**35151**	**.750**	19,05	**1.594**	40,49	Yellow	**.250**	6,35		✔			59239-4	58433-3	2063030-1	58423-1
		3/4		**324615**	**1.25**	31,75	**2.219**	56,36	Yellow	**.230**	5,84					59239-4	58433-3	2063030-1	58423-1