



Elementy złączne nierdzewne i kwasoodporne

KATALOG

ELEMENTÓW ZŁĄCZNYCH

ZE STALI A2 / A4



Elementy złączne nierdzewne i kwasoodporne

Szanowni Partnerzy!

Już od wielu lat wspieramy przemysł w codziennych działaniach produkcyjnych czyniąc je bardziej efektywne, bezpieczne i pewne. Z wielką przyjemnością oddajemy w Państwa ręce naszą ofertę marki **GLOTECH®**, z szerokim portfolio elementów złącznych ze stali nierdzewnej i kwasoodpornej.

Specjalizujemy się w elementach złącznych z materiału A2 oraz A4. To grupy stopów stali o znacznie obniżonej zawartości węgla, które odznaczają się wysoką odpornością na korozję przy oddziaływaniu warunków atmosferycznych, kwasów o niskim stężeniu, soli, tlenków. Oferujemy śruby, wkręty, nity, liny, łańcuchy i inne elementy złączne ze stali nierdzewnej i kwasoodpornej. Ich szerokie zastosowanie w różnych gałęziach gospodarki takich jak: przemysł spożywczy, chemiczny, stoczniowy, w branżach produkujących systemy stolarki otworowej, fasady z aluminium, ale również na rynku stolarki ogrodowej, wymaga to od nas stosowania wysokich norm jakościowych.

Zarządzanie jakością jest ważną i naturalną częścią codziennego życia. Wiemy, że w celu osiągnięcia wysokich standardów, potrzebne są zintegrowane systemy zarządzania. Dlatego na każdym etapie naszej działalności wykorzystujemy systemy zarządzania zgodne z normą ISO 9001:2015. Wiemy również jak ważne jest bezpieczeństwo i środowisko pracy naszych pracowników. Dlatego z myślą o nich i naszych działaniach, wdrożyliśmy System Zarządzania Bezpieczeństwem i Higieną Pracy ISO 45001:2018., który corocznie potwierdzany jest już od wielu lat przez światowe jednostki akredytujące.

Mamy świadomość, że przyszłość każdej firmy zależy od ich Klientów. Dlatego zespół pracowników technicznych o wieloletnim doświadczeniu, wspiera naszych Klientów w znalezieniu takiego rozwiązania, które spełni jego wymagania i oczekiwania. Indywidualne podejście do każdego Klienta od zawsze było naszym priorytetem, a otwartość na nowe rozwiązania sprawia, że zaufało nam już wielu Przedsiębiorców.

Zapraszam do współpracy!

Prezes Zarządu / CEO
Janusz Ziemba

Dear Partners!

For many years now, we have been supporting the industry in its daily production operations by making them more efficient, safe and reliable. It is with great pleasure that we put into your hands our GLOTECH® brand offering, with a wide portfolio of stainless and acid-resistant steel fasteners.

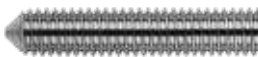
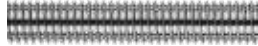
We specialize in A2 and A4 material fasteners. These are groups of steel alloys with significantly reduced carbon content, which are characterized by high resistance to corrosion when exposed to atmospheric conditions, low concentration acids, salts, oxides. We offer screws, bolts, rivets, ropes, chains and other fasteners made of stainless and acid-resistant steel. Their wide application in various industries such as food, chemical, shipbuilding, in industries that produce joinery systems, aluminum facades, but also in the market of garden joinery, this requires us to apply high quality standards.

Quality management is an important and natural part of everyday life. We know that in order to achieve high standards, integrated management systems are needed. That's why we use management systems in accordance with ISO 9001:2015 at every stage of our business. We also know how important the safety and working environment of our employees is. Therefore, with them and our operations in mind, we have implemented the ISO 45001:2018 Occupational Health and Safety Management System, which has been confirmed annually for many years now by global accreditation bodies.

We are aware that the future of any company depends on their customers. Therefore, a team of technical staff with many years of experience, supports our clients in finding such a solution that will meet their requirements and expectations. Individual approach to each Customer has always been our priority, and openness to new solutions makes, that many Entrepreneurs have already trusted us

I would like to invite you to cooperate with us!

SPIS TREŚCI
 CONTENTS

	str. p.	
ŚRUBY BOLTS	13	
WKRĘTY METRYCZNE METRIC SCREWS	27	
WKRĘTY USTALAJĄCE SLOTTED SET SCREWS	39	
WKRĘTY SAMOWIERCĄCE SELF DRILLING SCREWS	45	
BLACHOWKRĘTY SHEET METAL SCREWS	53	
WKRĘTY DO DREWNA I TARASOWE WOOD SCREWS AND TERRACE SCREWS	61	
NAKRĘTKI METAL NUTS	67	
PODKŁADKI I PIERŚCIEŃ OSADCZE WASHERS AND RETAINING RINGS	83	
NITY I NITONAKRĘTKI BLIND RIVETS AND BLIND RIVET NUTS	95	
PRĘTY GWINTOWANE, LINY, ŁAŃCUCHY THREADED RODS, ROPES, CHAINS	103	
OPASKI I ZAWLECZKI HOSE CLAMPS AND SPLIT PINS	111	



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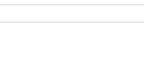
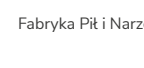
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		normy standards	kod podgrupy subgroup code	str. p.
	ŚRUBY BOLTS			
	Śruby skrzydełkowe Wing screws, american type	Art. nr 316 DIN 316	EZ03162 EZ03164	13
	Śruby z uchem Lifting eye bolts	Art. nr 580 ISO 3266	EZ05802 EZ05804	14
	Śruby zamkowe z podsadzeniem Mushroom head square neck bolts	DIN 603 ISO 8677	EZ06032 EZ06034	15
	Śruby z łbem walcowym z gniazdem 6-kąt z niepełnym gwintem Hexagon socket head cap screws, partial thread	DIN 912 ISO 4762	EZ09122 EZ09124	16
	Śruby z łbem walcowym z gniazdem 6-kąt z gwintem pełnym Hexagon socket head cap screws, fullthread	DIN 912 ISO 4762	EZ09122 EZ09124	17
	Śruby z łbem 6-kątnym z niepełnym gwintem Hexagon head bolts	DIN 931 ISO 4014	EZ09312 EZ09314	18
	Śruby z łbem 6-kątnym z gwintem pełnym Hexagon head screws	DIN 933 ISO 4017	EZ09332 EZ09334	20
	Śruby z łbem walcowym niskim z gniazdem 6-kąt Hexagon socket head cap screws with low head	DIN 7984	EZ79842 EZ79844	22
	Śruby z łbem stożkowo-płaskim - gniazdo 6-kąt Hexagon socketed countersunk head screws	DIN 7991 ISO 10642	EZ106422 EZ106424	23
	WKRETY METRYCZNE METRIC SCREWS			
	Wkręty z łbem walcowym z nacięciem prostym Slotted cheese head screws	DIN 84 ISO 1207	EZ00842 EZ00844	27
	Wkręty z łbem stożkowo-płaskim z nacięciem prostym Slotted countersunk head screws	DIN 963 ISO 2009	EZ09632 EZ09634	29
	Wkręty z łbem stożkowo-płaskim PH Cross recessed countersunk head screws - H	DIN 965 H ISO 7046	EZ09652 EZ09654	31
	Wkręty z łbem płasko-soczewkowym PH Cross recessed raised cheese head screws - H	DIN 7985 H ISO 7045	EZ79852 EZ79854	32
	Wkręty z łbem grzybkowym - gniazdo 6-kąt Button head screws	ISO 7380-1 PN-EN ISO 7380	EZ738012 EZ738014	33
	Wkręty z łbem grzybkowym z kołnierzem - gniazdo 6-kąt Flange button head socket screws	ISO 7380-2 ISO 7380 MF	EZ738022 EZ738024	34
	Wkręty z łbem stożkowo-płaskim TORX Countersunk head screws with six lobe drive	ISO 14581 DIN 965 TX	EZ145812 EZ145814	35
	Wkręty z łbem płasko-soczewkowym TORX Pan head screws with six lobe drive	ISO 14583 DIN 7985 TX	EZ145832 EZ145834	36
	WKRETY USTALAJĄCE SLOTTED SET SCREWS			
	Wkręty dociskowe z gniazdem 6-kątnym i końcem płaskim Hexagon socketed set screws with flat point	ISO 4026 DIN 913	EZ40262 EZ40264	39
	Wkręty dociskowe z gniazdem 6-kątnym i końcem stożkowym Hexagon socketed set screws with cone point	ISO 4027 DIN 914	EZ40272 EZ40274	40
	Wkręty dociskowe z gniazdem 6-kątnym i czopem walcowym Hexagon socketed set screws with dog point	ISO 4028 DIN 915	EZ40282 EZ40284	41
	Wkręty dociskowe z gniazdem 6-kątnym i końcem wgłębionym Hexagon socketed set screws with cup point	ISO 4029 DIN 916	EZ40292 EZ40294	42
	WKRETY SAMOWIERCĄCE SELF DRILLING SCREWS			
	Wkręty samowiercące łeb 6-kąt Self drilling screws with hexagon head and flange	DIN 7504 K PN-EN ISO 15480	EZ75042K EZ75044K	45
	Wkręty samowiercące łeb płasko-soczewkowy PH Self drilling screws with pan head - H	DIN 7504 M PN-EN ISO 15481	EZ75042M EZ75044M	46
	Wkręty samowiercące łeb płasko-soczewkowy TX Self drilling screws with pan head six lobe drive	DIN 7504 M TX PN-EN ISO 15481	EZ75042MT EZ75044MT	47
	Wkręty samowiercące łeb stożkowo-płaski PH Self drilling screws with countersunk head - H	DIN 7504 O PN-EN ISO 15482	EZ75042O EZ75044O	48
	Wkręty samowiercące łeb stożkowo-płaski TX Self drilling screws with countersunk head six lobe drive	DIN 7504 O TX PN-EN ISO 15482	EZ75042OT EZ75044OT	49

		normy standards	kod podgrupy subgroup code	str. p.
	BLACHOWKRĘTY SHEET METAL SCREWS			
	Blachowkręty z łbem 6-kątnym Hexagon head tapping screws	DIN 7976 ISO 1479	EZ79762	53
	Blachowkręty z łbem płasko-soczewkowym z gniazdem PH Cross recessed pan head tapping screws - H	DIN 7981 C-H ISO 7049	EZ79812 EZ79814	54
	Blachowkręty z łbem płasko-soczewkowym z gniazdem TORX Pan head tapping screws, six lobe drive	ISO 14585 DIN 7981 TX	EZ145852 EZ145854	55
	Blachowkręty z łbem stożkowo-płaskim z gniazdem PH Cross recessed countersunk head tapping screws - H	DIN 7982 C-H ISO 7050	EZ79822 EZ79824	56
	Blachowkręty z łbem stożkowo-płaskim z gniazdem TORX Countersunk head tapping screws, six lobe drive	ISO 14586 DIN 7982 TX	EZ145862 EZ145864	57
	Blachowkręty z łbem walcowym - gniazdo 6-kąt Tapping screws with head	Art. nr 9051	EZ90512 EZ90514	58
	WKRĘTY DO DREWNA I TARASOWE WOOD SCREWS AND TERRACE SCREWS			
	Wkręty do drewna z łbem sześciokątnym Hexagon head wood screws	DIN 571 PN 82501	EZ05712 EZ05714	61
	Wkręty do płyt wiórowych z łbem płasko-soczewkowym PZ Cross recessed pan head chipboardscrews Z	Art. nr 9048	EZ90482	62
	Wkręty do płyt wiórowych z łbem stożkowo-płaskim PZ Cross recessed countersunk chipboardscrews Z	Art. nr 9050	EZ90502 EZ90504	63
	Wkręty tarasowe do drewna twardego z końcem tnącym i gniazdem TX Hardwood screws with cutting point and TX socket	Art. nr 9242	EZ92422 EZ92424	64
	NAKRĘTKI METAL NUTS			
	Nakrętki skrzydełkowe Wing nuts, american type	Art. nr 315 DIN 315	EZ03152 EZ03154	67
	Nakrętki sześciokątne niskie Hexagon thin nuts	DIN 439 ISO 4035	EZ04392 EZ04394	68
	Nakrętki kwadratowe Square nuts	DIN 557 PN 82151	EZ05572 EZ05574	69
	Nakrętki z uchem Lifting eye nuts	Art. nr 582 DIN 582	EZ05822 EZ05824	70
	Nakrętki sześciokątne Hexagon nuts	DIN 934 ISO 4032	EZ09342 EZ09344	71
	Nakrętki samohamowne metalowe Prevailing torque type hexagon nuts	Art. nr 980 ISO 7042	EZ09802 EZ09804	72
	Nakrętki samohamowne wysokie z wkładką poliamidową Prevailing torque type hexagon nuts, high type	DIN 982 ISO 7040	EZ09822 EZ09824	73
	Nakrętki samohamowne z wkładką poliamidową Prevailing torque type hexagon nuts, low type	DIN 985 ISO 10511	EZ09852 EZ09854	74
	Nakrętki kołpakowe samohamowne z wkładką poliamidową Prevailing torque type hexagon domed cap nuts	DIN 986	EZ09862 EZ09864	75
	Nakrętki kołpakowe Hexagon domed cap nuts, high type	DIN 1587 PN 82181	EZ15872 EZ15874	76
	Nakrętki wysokie m=3d Hexagon nuts, m=3d	DIN 6334	EZ63342 EZ63344	77
	Nakrętki sześciokątne z kotnierzem - ząbkowane Hexagon flange nuts with serration	DIN 6923 PN-EN 1661	EZ69232 EZ69234	78
	Nakrętki sześciokątne z kotnierzem - gładkie Hexagon flange nuts without serration	DIN 6923 PN-EN 1661	EZ692320 EZ692340	79
	PODKŁADKI I PIERŚCIEŃNIE OSADCZE WASHERS AND RETAINING RINGS			
	Podkładki okrągłe płaskie Plain washers	DIN 125 ISO 7089	EZ01252 EZ01254	83
	Podkładki sprężyste Spring lock washers	DIN 127 B PN 82008	EZ01272 EZ01274	84
	Podkładki powiększone do drewna - R Washers, especially for wood constructions	DIN 440 R ISO 7094	EZ04402 EZ04404	85

		normy standards	kod podgrupy subgroup code	str. p.
	Podkładki powiększone do drewna - V Washers, especially for wood constructions	DIN 440 V ISO 7094	EZ044020 EZ044040	85
	Podkładki okrągłe powiększone x3 Washers with outside diameter ~3 x nominal thread diameter	DIN 9021 ISO 7093-1	EZ90212 EZ90214	86
	Podkładki z uszczelką EPDM (z neoprenem) Sealing washers	Art. 9055	EZ90552 EZ90554	87
	Rozetki / podkładki stożkowe pełnometalowe Rosetten turned full body	NF E 27-619	EZ276190 EZ276192 EZ276194	88
	Podkładki ząbkowane zewnętrznie Toothed lock washers outside	DIN 6797 A PN/M 82024	EZ679720 EZ679740	89
	Podkładki ząbkowane wewnętrznie Toothed lock washers inside	DIN 6797 J PN/M 82023	EZ67972 EZ67974	89
	Podkładki gwiazdkowe zewnętrzne Serrated lock washers outside	DIN 6798 A	EZ679820 EZ679840	90
	Podkładki gwiazdkowe wewnętrzne Serrated lock washers inside	DIN 6798 J	EZ67982 EZ67982	90
	Pierścienie osadcze zewnętrzne Retaining rings for shafts	DIN 471 A PN 85111	EZ04712 EZ04714	91
	Pierścienie osadcze wewnętrzne Retaining rings for bares	DIN 472 J PN 85111	EZ04722 EZ04724	92
NITY I NITONAKRĘTKI BLIND RIVETS AND BLIND RIVET NUTS				
	Nity zrywalne łeb płaski Blindrivets with break mandrel	ISO 15983	EZ159832 EZ159834	95
	Nity zrywalne łeb stożkowy Blindrivets with CSK head and grooved mandrel	ISO 15984	EZ159842 EZ159844	96
	Nity szczelne łeb płaski Closed blindrivets with flat head, grooved mandrel	ISO 16585	EZ165852 EZ165854	97
	Nitonakrętki mini stożek Blind rivet nut reduce head	Art. nr 1021	EZ10212 EZ10214	98
	Nitonakrętki stożek Large cone blind rivet nuts	Art. nr 1023	EZ10232 EZ10234	99
	Nitonakrętki z kotnierzem płaskim Flat-flanged blind rivet nuts	Art. nr 1025	EZ10252 EZ10254	100
PRĘTY GWINTOWANE, LINY I ŁAŃCUCHY THREADED RODS, ROPES, CHAINS				
	Pręty gwintowane Threaded rods	DIN 976 DIN 975	EZ09762 EZ09764	103
	Linki kwasoodporne średnie 7x7 Wire rope 7x7 semi-soft	Art. nr 8379	EZ83792 EZ83794	104
	Linki kwasoodporne miękkie 7x19 Wire rope 7x19 flexible	Art. nr 8382	EZ83822 EZ83824	105
	Łańcuch z długim ogniwem Round long link chains	Art. nr 763 DIN 763	EZ07632 EZ07634	106
	Łańcuch z krótkim ogniwem Round long link chains	Art. nr 766 DIN 766	EZ07662 EZ07664	107
OPASKI I ZAWLECZKI HOSE CLAMPS AND SPLIT PINS				
	Zawlecзки Split pins	DIN 94 ISO 1234	EZ12342 EZ12344	111
	Opaski zaciskowe ślimakowe Hose clamps	DIN 3017 PN/M 74906	EZ30172 EZ30174	112

PRODUKT PRODUCT	NORMA STANDARD	INFO	STAL STEEL	str. p.	PRODUKT PRODUCT	NORMA STANDARD	INFO	STAL STEEL	str. p.
	DIN 84 ISO 1207 PN/M 82215 PN-EN ISO 1207	Wkręty z łbem walcowym z nacięciem prostym Slotted cheese head screws	● ▲	27		DIN 912 ISO 4762 PN/M 82302 PN-EN ISO 4762	Śruby z łbem walcowym z gniazdem 6-kąt z gwintem pełnym Hexagon socket head cap screws, fullthread	● ▲	17
	DIN 94 ISO 1234 PN/M 82001 PN-EN ISO 1234	Zawleczy proste Split pins	● ▲	111		DIN 913 ISO 4026 PN/M 82314 PN-EN ISO 4026	Wkręty dociskowe z gniazdem sześciokątnym i końcem płaskim Hexagon socket set screws with flat point	● ▲	39
	DIN 125 ISO 7089 PN/M 82006 PN-EN ISO 7089	Podkładki okrągłe dokładne Plain washers	● ▲	83		DIN 914 ISO 4027 PN/M 82315 PN-EN ISO 4027	Wkręty dociskowe z gniazdem sześciokątnym i końcem stożkowym Hexagon socket set screws with cone point	● ▲	40
	DIN 127 B PN/M 82008	Podkładki sprężyste Spring lock washers	■ ▲	84		DIN 915 ISO 4028 PN/M 82316 PN-EN ISO 4028	Wkręty dociskowe z gniazdem sześciokątnym i czopem walcowym Hexagon socket set screws with dog point	● ▲	41
	Art. nr 315	Nakrętki skrzydełkowe Wing nuts, american type	● ▲	67		DIN 916 ISO 4029 PN/M 82317 PN-EN ISO 4029	Wkręty dociskowe z gniazdem sześciokątnym i końcem względny Hexagon socket set screws with cup point	● ▲	42
	Art. nr 316	Śruby skrzydełkowe Wing screws, american type	● ▲	13		DIN 931 ISO 4014 PN/M 82101 PN-EN ISO 4014	Śruby z łbem sześciokątnym z niepełnym gwintem Hexagon head bolts	● ▲	18
	DIN 439 ISO 4035 PN/M 82153 PN-EN ISO 4035	Nakrętki sześciokątne niskie Hexagon thin nuts	● ▲	68		DIN 933 ISO 4017 PN/M 82105 PN-EN ISO 4017	Śruby z łbem sześciokątnym z pełnym gwintem Hexagon head screws	● ▲	20
	DIN 440 R ISO 7094 PN/M 82019 PN-EN ISO 7094	Podkładki okrągłe powiększone do konstrukcji drewnianych - R Washers, especially for wood constructions	● ▲	85		DIN 934 ISO 4032 PN/M 82144 PN-EN ISO 4032	Nakrętki sześciokątne Hexagon nuts	● ▲	71
	DIN 440 V ISO 7094 PN/M 82019 PN-EN ISO 7094	Podkładki okrągłe powiększone do konstrukcji drewnianych - V Washers, especially for wood constructions	● ▲	85		DIN 963 ISO 2009 PN/M 82207 PN-EN ISO 2009	Wkręty z łbem stożkowo-płaskim z nacięciem prostym Slotted countersunk head screws	● ▲	29
	DIN 471 PN/M 85111	Pierścienie osadze zewnętrzne Retaining rings for shafts	■ ■	91		DIN 965 H ISO 7046 PN/M 82208 PN-EN ISO 7046	Wkręty z łbem stożkowo-płaskim z gniazdem krzyżowym PHILLIPS Cross recessed countersunk head screws - H	● ▲	31
	DIN 472 PN/M 85111	Pierścienie osadze wewnętrzne Retaining rings for bars	■ ■	92		DIN 976	Pręty gwintowane Threaded rods	● ▲	103
	DIN 557 PN/M 82151	Nakrętki kwadratowe Square nuts	● ▲	69		Art. nr 980 PN/M 82176 PN-EN ISO 7042	Nakrętki sześciokątne samohamowne z gwintem odkształconym Prevailing torque type hexagon nuts	● ▲	72
	DIN 571 PN/M 82501	Wkręty do drewna z łbem sześciokątnym Hexagon head wood screws	● ▲	61		DIN 982 ISO 7040 PN-EN ISO 7040	Nakrętki samohamowne wysokie sześciokątne z wkładką poliamidową Prevailing torque type hexagon nuts, high type	● ▲	73
	Art. nr 580 PN/M 82472	Śruby z uchem Lifting eye bolts	● ▲	14		DIN 985 PN/M 82175 PN-EN ISO 10511	Nakrętki samohamowne sześciokątne z wkładką poliamidową Prevailing torque type hexagon nuts, low type	● ▲	74
	Art. nr 582	Nakrętki z uchem Lifting eye nuts	● ▲	70		DIN 986	Nakrętki kołpakowe samohamowne z wkładką poliamidową Prevailing torque type hexagon domed cap nuts	● ▲	75
	DIN 603 ISO 8677 PN/M 82406	Śruby zamkowe z podsadzeniem Mushroom head square neck bolts	● ▲	15		Art. nr 1021	Nitonakrętki mini stożek Blind Rivet Nut reduce head	● ▲	98
	Art. nr 763	Łańcuchy z długim ogniwem Round long link chains	▲	106		Art. nr 1023	Nitonakrętki stożek Large cone blind rivet nuts	● ▲	98
	Art. nr 766	Łańcuchy z krótkim ogniwem Round short link chains	▲	107		Art. nr 1025	Nitonakrętki z kołnierzem płaskim Flat-flanged blind rivet nuts	● ▲	100
	DIN 912 ISO 4762 PN/M 82302 PN-EN ISO 4762	Śruby z łbem walcowym z gniazdem 6-kąt, z niepełnym gwintem Hexagon socket head cap screws, partial thread	● ▲	16		DIN 1587 PN/M 82181	Nakrętki kołpakowe Hexagon domed cap nuts, high type	● ▲	76

PRODUKT PRODUCT	NORMA STANDARD	INFO	STAL STEEL	str. p.	PRODUKT PRODUCT	NORMA STANDARD	INFO	STAL STEEL	str. p.
	DIN 3017 PN/M 74906	Opaski zaciskowe ślimakowe Hose clamps	● ▲	112		DIN 7984	Śruby z łbem walcowym niskim - gniazdo 6-kąt Hexagon socket head cap screws with low head	● ▲	22
	DIN 6334	Nakrętki wysokie m=3d Hexagon nuts, m=3d	● ▲	77		DIN 7985 H ISO 7045 PN/M 82202 PN-EN ISO 7045	Wkręty z łbem płasko-soczew- kowym z gniazdem krzyżowym PHILLIPS Cross recessed raised cheese head screws - H	● ▲	32
	DIN 6797 A PN/M 82024	Podkładki ząbkowane zewnętrznie - A Toothed lock washers outside	● ▲	89		DIN 7991 PN-EN ISO 10642	Śruby z łbem stożkowo-płaskim z gniazdem sześciokątnym Hexagon socketed countersunk head screws	● ▲	23
	DIN 6797 J PN/M 82023	Podkładki ząbkowane wewnętrznie - J Toothed lock washers inside	● ▲	89		Art. nr 8379	Linki kwasoodporne średnie 7x7 Wire rope 7x7 semi-soft	▲	104
	DIN 6798 A	Podkładki gwiazdkowe zewnętrznie - A Serrated lock washers outside	● ▲	90		Art. nr 8382	Linki kwasoodporne miękkie 7x19 Wire rope 7x19 flexible	▲	105
	DIN 6798 J	Podkładki gwiazdkowe wewnętrznie - J Serrated lock washers inside	● ▲	90		DIN 9021 ISO 7093-1 PN-EN ISO 7093-1	Podkładki okrągłe powiększone x3 Washers with outside diameter ~3 x nominal thread diameter	● ▲	86
	DIN 6923 PN-EN 1661	Nakrętki sześciokątne z kotłernem ząbkowane oraz gładkie Hexagon flange nuts	● ▲	78 79		Art. nr 9048	Wkręty do płyt wiórowych z łbem płasko-soczewkowym PZ Cross recessed pan head chipboardscrews, Z	●	62
	ISO 7380-1 PN-EN ISO 7380	Wkręty z łbem grzybkowym i gniazdem 6-kąt Button head screws	● ▲	33		Art. nr 9050	Wkręty do płyt wiórowych z łbem stożkowo-płaskim PZ Cross recessed countersunk chipboardscrews, Z	● ▲	63
	ISO 7380-2 ISO 7380 MF	Wkręty z łbem grzybkowym z kotłernem i gniazdem 6-kąt Flange button head socket screws	● ▲	34		Art. nr 9051	Blachowkręty z łbem walcowym i gniazdem 6-kąt Tapping screws with head DIN 912	● ▲	58
	DIN 7504 K ISO 15480 PN-EN ISO 15480	Wkręty samowierzące z łbem 6-kąt (do miękkich metali np. aluminium) Self drilling screws with hexagon head and flange	● ▲	45		Art. nr 9055	Podkładki z uszczelką EPDM (z neoprenem) Sealing washers	●	87
	DIN 7504 M ISO 15481 PN-EN ISO 15481	Wkręty samowierzące z łbem płasko- soczewkowym (do miękkich metali np. aluminium) - PH Self drilling screws with pan head - H	● ▲	46		Art. nr 9242	Wkręty do drewna twardego z końcem tnącym i gniazdem TX Hardwood screws with cutting point and TX socket	● ▲	64
	DIN 7504 M TX ISO 15481 PN-EN ISO 15481	Wkręty samowierzące z łbem płasko- soczewkowym i gn. TX (do miękkich metali np. aluminium) Self drilling screws with pan head six lobe drive	● ▲	47		ISO 14581 DIN 965 TX	Wkręty z łbem stożkowo-płaskim z gniazdem TORX Countersunk head screws with six lobe drive	● ▲	35
	DIN 7504 O PN-EN ISO 15482	Wkręty samowierzące z łbem stoż- kowo-płaskim (do miękkich metali np. aluminium) - PH Self drilling screws with countersunk head - H	● ▲	48		ISO 14583 DIN 7985 TX	Wkręty z łbem płasko-soczewko- wym z gniazdem TORX Pan head screws with six lobe drive	● ▲	36
	DIN 7504 O TX PN-EN ISO 15482	Wkręty samowierzące z łbem stoż- kowo-płaskim (do miękkich metali np. aluminium) - TX Self drilling screws with countersunk head six lobe drive	● ▲	49		PN-EN ISO 15983	Nity zrywalne łeb płaski Blindrivets with break mandrel	● ▲	95
	DIN 7976 ISO 1479 PN/M 83101 PN-EN ISO 1479	Blachowkręty z łbem sześciokątnym Hexagon head tapping screws	●	53		PN-EN ISO 15984	Nity zrywalne łeb stożkowy Blindrivets with CSK head and grooved mandrel	● ▲	96
	DIN 7981 C-H ISO 7049 PN/M 83116 PN-EN ISO 7049	Blachowkręty z łbem płasko-soczewkowym z gniazdem krzyżowym PH Cross recessed pan head tapping screws - H	● ▲	54		PN-EN ISO 16585	Nity szczelne łeb płaski Closed blindrivets with flat head, grooved mandrel	● ▲	97
	DIN 7981 TX ISO 14585 PN-EN ISO 14585	Blachowkręty z łbem płasko-soczewkowym z gniazdem TORX Pan head tapping screws, six lobe drive	● ▲	55		NF E 27-619	Podkładki stożkowe pełnotelne Rosetten turned full body	■ ● ▲	88
	DIN 7982 C-H ISO 7050 PN/M 83114 PN-EN ISO 7050	Blachowkręty z łbem stożkowo-pł- askim z gniazdem krzyżowym PH Cross recessed countersunk head tapping screws - H	● ▲	56					
	DIN 7982 TX ISO 14586 PN-EN ISO 14586	Blachowkręty z łbem stożkowo- płaskim z gniazdem TORX Countersunk head tapping screws, six lobe drive	● ▲	57					

- - asortyment A1 w ofercie / product A1 in offer
- - asortyment A2 w ofercie / product A2 in offer
- ▲ - asortyment A4 w ofercie / product A4 in offer
- - asortyment stal 1.4006 w ofercie / product steel 1.4006 in offer
- - asortyment stal 1.4122 w ofercie / product steel 1.4122 in offer
- - asortyment stal 1.4310 w ofercie / product steel 1.4310 in offer





ŚRUBY

BOLTS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

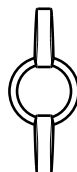
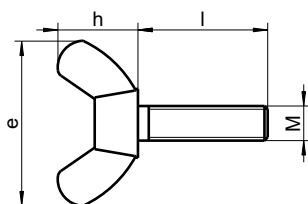
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	ŚRUBY BOLTS			
	Śruby skrzydełkowe Wing screws, american type	Art. nr 316 DIN 316	EZ03162 EZ03164	13
	Śruby z uchem Lifting eye bolts	Art. nr 580 ISO 3266	EZ05802 EZ05804	14
	Śruby zamkowe z podsadzaniem Mushroom head square neck bolts	DIN 603 ISO 8677	EZ06032 EZ06034	15
	Śruby z łbem walcowym z gniazdem 6-kąt z niepełnym gwintem Hexagon socket head cap screws, partial thread	DIN 912 ISO 4762	EZ09122 EZ09124	16
	Śruby z łbem walcowym z gniazdem 6-kąt z gwintem pełnym Hexagon socket head cap screws, fullthread	DIN 912 ISO 4762	EZ09122 EZ09124	17
	Śruby z łbem 6-kątnym z niepełnym gwintem Hexagon head bolts	DIN 931 ISO 4014	EZ09312 EZ09314	18
	Śruby z łbem 6-kątnym z gwintem pełnym Hexagon head screws	DIN 933 ISO 4017	EZ09332 EZ09334	20
	Śruby z łbem walcowym niskim Hexagon socket head cap screws with low head	DIN 7984	EZ79842 EZ79844	22
	Śruby z łbem stożkowo-płaskim -gniazdo 6-kąt Hexagon socket countersunk head screws	DIN 7991 ISO 10642	EZ106422 EZ106424	23

EZ0316

ŚRUBY SKRZYDEŁKOWE

Wing screws, american type

Art. nr 316



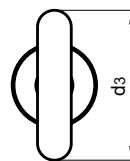
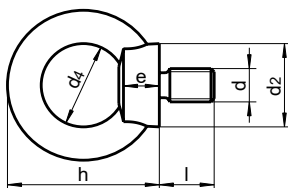
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 [szt./pc.]	100	100	50	50	50	25	25
h	8,6 ±1,0	10,5 -2,9	10,5 ±1,0	12,7 ±1,0	14,8 ±1,2	17,0 ±1,0	22,5 ±1,5
e	18,0 ±1,0	20,0 ±3,0	22,0 ±1,5	27,0 ±1,5	30,0 ±1,5	36,0 ±2,0	47,5 ±2,5

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

ŚRUBY Z UCHEM

Lifting eye bolts

EZ0580



Art. nr	580
PN/M	82472

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6	11	16	27	16	31	6	● ▲	25
8	13	20	36	20	36	6	● ▲	25
10	17	25	45	25	45	8	● ▲	25
12	20,5	30	54	30	53	10	● ▲	10
16	27	35	63	35	62	12	● ▲	10
20	30	40	72	40	71	14	● ▲	10
24	36	50	90	50	90	18	● ▲	5
27	45	65	108	60	109	22	● ▲	5
30	45	65	108	60	109	22	● ▲	5
36	54	70	126	70	128	26	● ▲	1

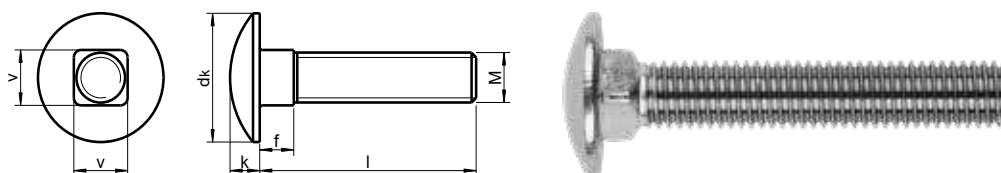
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EZ0603

ŚRUBY ZAMKOWE Z PODSADZENIEM

Mushroom head square neck bolts

DIN	603
ISO	8677
PN/M	82406



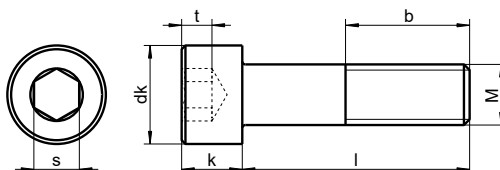
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 [szt./pc.]	200	200 l >= 50 100	100 l >= 70 50	100 l >= 50 50	50	25
dk	13,55	16,55	20,65	24,65	30,65	38,8
k	3,3	3,88	4,88	5,38	6,95	8,95
v	5,48	6,48	8,58	10,58	12,7	16,7
f	4,1	4,6	5,6	6,6	8,75	12,9

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

ŚRUBY Z ŁBEM WALCOWYM Z GNIAZ. 6-KĄT Z NIEPEŁ. GWINTEM

Hexagon socket head cap screws, partial thread

EZ0912



DIN	912
ISO	4762
PN/M	82302
PN-EN ISO	4762

b = wg normy
b = at Norm

l	M 1,6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30
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● [szt./pc.]	500	500	500	1000 ≥ 35 500 ≥ 50 200	500 ≥ 35 200 ≥ 60 100	200 ≥ 60 100	200 ≥ 45 100	100 ≥ 100 50 ≥ 170 25	100 ≥ 50 50 ≥ 170 25	50 ≥ 75 25	50 ≥ 110 25	25	25	25	25 ≥ 150 10	10	10	10
dk	3	3,8	4,5	5,5	7	8,5	10	13	16	18	21	24	27	30	33	36	40	45
k	1,6	2	2,5	3	4	5	6	8	10	12	14	16	18	20	22	24	27	30
Prowadzenie	SW 1,5	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8	SW 10	SW 12	SW 14	SW 14	SW 17	SW 17	SW 19	SW 19	SW 22

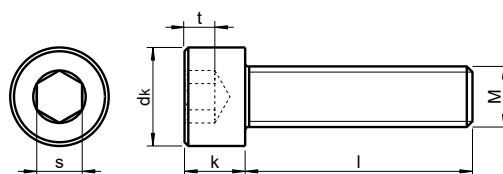
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ0912

ŚRUBY Z ŁBEM WALCOWYM Z GNIAZ. 6-KĄT Z PEŁN. GWINTEM

Hexagon socket head cap screws, fullthread

DIN	912
ISO	4762
PN/M	82302
PN-EN ISO	4762



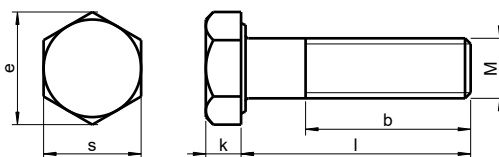
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50					●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
55							●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
60							●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
65													●▲	●▲	●▲	●▲	●▲	●▲
70							●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
75																●▲	●▲	●▲
80							●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
85																	●▲	●▲
90							●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
95																		●▲
100							●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
● [szt./pc.]	500	500 l ≥ 65 100	500	1000 l ≥ 35 500	1000 l ≥ 20 500 l ≥ 35 200	500 l ≥ 25 200	500 l ≥ 14 200 l ≥ 45 100	100 l ≥ 8 500 l ≥ 14 200 l ≥ 25 100 l ≥ 100 50	100 l ≥ 50 50	50 l ≥ 80 25	50	25	25	25	25	10	10	10
dk	3	3,8	4,5	5,5	7	8,5	10	13	16	18	21	24	27	30	33	36	40	45
k	1,6	2	2,5	3	4	5	6	8	10	12	14	16	18	20	22	24	27	30
Prowadzenie	SW 1,5	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8	SW 10	SW 12	SW 14	SW 14	SW 17	SW 17	SW 19	SW 19	SW 22

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

ŚRUBY Z ŁBEM SZĘŚCIOKĄTNYM Z NIEPEŁNYM GWINTEM

Hexagon head bolts with incomplete thread

EZ0931



DIN	931
ISO	4014
PN/M	82101
PN-EN ISO	4014

b = wg normy
b = at Norm

l	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22
[mm]										
20	● ▲	● ▲								
25	● ▲	● ▲	● ▲							
30	● ▲	● ▲	● ▲	● ▲						
35	● ▲	● ▲	● ▲	● ▲	● ▲					
40	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲				
45	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
50	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
55	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
60	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
65	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
75	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
85	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
90	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
95	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
100	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
110		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
120		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
130		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
140		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
150		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
160		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
170		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
180		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
190		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
200		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
210			● ▲	● ▲	● ▲		● ▲		● ▲	
220			● ▲	● ▲	● ▲		● ▲		● ▲	
230			● ▲	● ▲	● ▲		● ▲		● ▲	
240			● ▲	● ▲	● ▲		● ▲		● ▲	
250			● ▲	● ▲	● ▲		● ▲		● ▲	
260			● ▲	● ▲	● ▲		● ▲		● ▲	
 [szt./pc.]	200 l >= 70 100	200 l >= 45 100	100 l >= 70 50 l >= 160 25	100 l >= 50 50 l >= 160 25 l >= 210 10	50 l >= 75 25 l >= 160 10	50 l >= 75 25 l >= 160 10	25 l >= 160 10	25	25 l >= 160 10	25 l >= 110 20 l >= 160 10
k	3,5	4	5,3	6,4	7,5	8,8	10	11,5	12,5	14
e	8,79	11,05	14,38	18,9	21,1	24,49	26,75	30,14	33,53	35,72
Prowadzenie	SW 8	SW 10	SW 13	SW 17	SW 19	SW 22	SW 24	SW 27	SW 30	SW 32

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

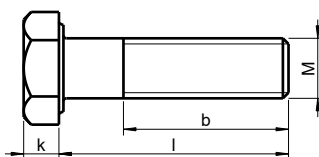
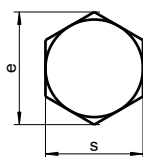
EZ0931

ŚRUBY Z ŁBEM SZEŚCIOKĄTNYM Z NIEPEŁNYM GWINTEM

Hexagon head bolts with incomplete thread

DIN	931
ISO	4014
PN/M	82101
PN-EN ISO	4014

b = wg normy
b = at Norm



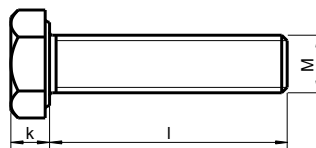
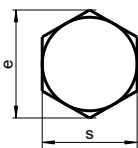
l	M 24	M 27	M 30	M 33	M 36	M 39	M 42	M 45	M 48	M 52
[mm]										
20										
25										
30										
35										
40										
45										
50										
55										
60										
65	● ▲									
70	● ▲	● ▲								
75	● ▲	● ▲								
80	● ▲	● ▲	● ▲							
85	● ▲	● ▲	● ▲							
90	● ▲	● ▲	● ▲	● ▲						
95	● ▲	● ▲	● ▲	● ▲						
100	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
110	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
120	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
130	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
140	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
150	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
160	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
170	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
180	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
190	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
200	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
210	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
220	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
230	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
240	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
250	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
260	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		● ▲		● ▲
 [szt./pc.]	10 l ≥ 210 5	10 l ≥ 160 5	10 l ≥ 160 5	10 l ≥ 130 5	10 l ≥ 130 5	10 l ≥ 150 5	5	5	5	5
k	15	17	18,7	21	22,5	25	26	28	30	33
e	39,55	45,2	50,85	55,37	60,79	66,44	69,44	76,95	82,6	88,25
Prowadzenie	SW 36	SW 41	SW 46	SW 50	SW 55	SW 60	SW 65	SW 70	SW 75	SW 80

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

ŚRUBY Z ŁBEM SZĘŚCIOKĄTNYM Z PEŁNYM GWINTEM

Hexagon head screws

EZ0933



DIN	933
ISO	4017
PN/M	82105
PN-EN ISO	4017

l	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18
[mm]												
3	●▲	●▲	●▲									
4	●▲	●▲	●▲	●▲								
5	●▲	●▲	●▲	●▲	●▲							
6	●▲	●▲	●▲	●▲	●▲	●▲						
8	●▲	●▲	●▲	●▲	●▲	●▲	●▲					
10	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲				
12	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲			
14	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲			
16	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲		●▲	
18	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲			
20	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
22			●▲	●▲	●▲	●▲	●▲	●▲	●▲			
25			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
30			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
35			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
40			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
45			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
50			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
55				●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
60				●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
65				●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
70				●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
75				●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
80				●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
85					●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
90					●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
95					●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
100					●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
110						●▲	●▲	●▲	●▲	●▲	●▲	●▲
120						●▲	●▲	●▲	●▲	●▲	●▲	●▲
130						●▲	●▲	●▲	●▲	●▲	●▲	●▲
140						●▲	●▲	●▲	●▲	●▲	●▲	●▲
150						●▲	●▲	●▲	●▲	●▲	●▲	●▲
160						●▲	●▲	●▲	●▲		●▲	
170						●▲	●▲	●▲	●▲		●▲	
180						●▲	●▲	●▲	●▲		●▲	
190						●▲	●▲	●▲	●▲		●▲	
200						●▲	●▲	●▲	●▲		●▲	
[szt./pc.]	1000	1000	1000 l >= 35 500 l >= 50 200	1000 l >= 20 500 l >= 35 200 l >= 60 100	500 l >= 25 200 l >= 70 100	500 l >= 14 200 l >= 45 100 l >= 110 50	500 l >= 14 200 l >= 25 100 l >= 70 50 l >= 160 25	100 l >= 50 50 l >= 160 25	50 l >= 75 25 l >= 160 10	50 l >= 110 25	25 l >= 180 10	25
k	1,4	1,7	2	2,8	3,5	4	5,3	6,4	7,5	8,8	10	11,5
e	4,32	5,45	6,01	7,66	8,79	11,05	14,38	18,9	21,1	24,49	26,75	30,14
Prowadzenie	SW 4	SW 5	SW 5,5	SW 7	SW 8	SW 10	SW 13	SW 17	SW 19	SW 22	SW 24	SW 27

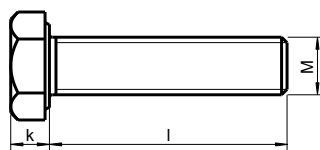
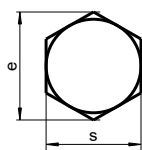
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ0933

ŚRUBY Z ŁBEM SZEŚCIOKĄTNYM Z PEŁNYM GWINTEM

Hexagon head screws

DIN	933
ISO	4017
PN/M	82105
PN-EN ISO	4017



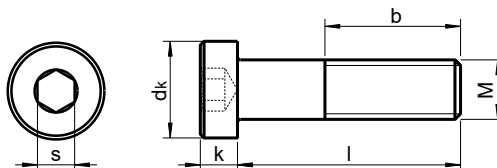
l	M 20	M 22	M 24	M 27	M 30	M 33	M 36	M 39	M 42	M 45	M 48	M 52
[mm]												
3												
4												
5												
6												
8												
10												
12												
14												
16												
18												
20	● ▲											
22												
25	● ▲											
30	● ▲	● ▲	● ▲									
35	● ▲	● ▲	● ▲									
40	● ▲	● ▲	● ▲									
45	● ▲	● ▲	● ▲									
50	● ▲	● ▲	● ▲	● ▲								
55	● ▲	● ▲	● ▲	● ▲								
60	● ▲	● ▲	● ▲	● ▲	● ▲							
65	● ▲	● ▲	● ▲	● ▲	● ▲							
70	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲						
75	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲						
80	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
85	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
90	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲				
95	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
100	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
110	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
120	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
130	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
140	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
150	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
160	● ▲		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
170	● ▲		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
180	● ▲		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
190	● ▲		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
200	● ▲		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
 [szt./pc.]	25 l >= 180 20	25 l >= 110 20 l >= 150 10	10 l >= 180 5	10 l >= 160 5	10 l >= 160 5	10 l >= 130 5	5	5	5	5	5	5
k	12,5	14	15	17	18,7	21	22,5	25	26	28	30	33
e	33,53	35,72	39,98	45,2	50,85	55,37	60,79	66,44	71,3	76,95	82,6	88,25
Prowadzenie	SW 30	SW 32	SW 36	SW 41	SW 46	SW 50	SW 55	SW 60	SW 65	SW 70	SW 75	SW 80

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

ŚRUBY Z ŁBEM WALCOWYM NISKIM - Gniazdo 6-KĄT

Hexagon socket head cap screws with low head

EZ7984



DIN

7984

b = wg normy
b = at Norm

l	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	M 20	M 24
[mm]										
3	●▲									
4	●▲	●▲								
5	●▲	●▲	●▲							
6	●▲	●▲	●▲	●▲						
8	●▲	●▲	●▲	●▲	●▲					
10	●▲	●▲	●▲	●▲	●▲					
12	●▲	●▲	●▲	●▲	●▲	●▲				
14	●▲	●▲	●▲	●▲	●▲	●▲				
16	●▲	●▲	●▲	●▲	●▲	●▲				
18	●▲	●▲	●▲	●▲	●▲	●▲	●▲			
20	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
22	●▲	●▲	●▲	●▲	●▲	●▲	●▲			
25	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
30	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
35	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
40	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
45	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
50	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
55		●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
60		●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
65			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
70			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
75			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
80			●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
90				●▲	●▲	●▲	●▲	●▲	●▲	●▲
100				●▲	●▲	●▲	●▲	●▲	●▲	●▲
110					●▲	●▲	●▲	●▲	●▲	●▲
120				●▲	●▲	●▲	●▲	●▲	●▲	●▲
130								●▲	●▲	●▲
140								●▲	●▲	●▲
150								●▲	●▲	●▲
 [szt./pc.]	1000 l ≥ 35 500 l ≥ 50 200	1000 l ≥ 20 500 l ≥ 35 200 l ≥ 60 100	500 l ≥ 25 200 l ≥ 60 100	500 l ≥ 14 200 l ≥ 45 100	500 l ≥ 14 200 l ≥ 25 100 l ≥ 100 50	100 l ≥ 50 50	50 l ≥ 75 25	25	25	10
dk	5,5	7	8,5	10	13	16	18	24	30	36
k	2	2,8	3,5	4	5	6	7	9	11	13
Prowadzenie	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 7	SW 8	SW 12	SW 14	SW 19

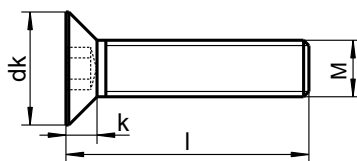
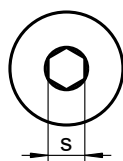
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ10642

ŚRUBY Z ŁBEM STOŻKOWO-PŁASKIM GNIAZDO 6-KĄT

Hexagon socket countersunk head screws

DIN	7991
PN-EN ISO	10642



l	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	M 20	M 24
[mm]												
3	● ▲	● ▲										
4	● ▲	● ▲	● ▲									
5	● ▲	● ▲	● ▲	● ▲								
6	● ▲	● ▲	● ▲	● ▲	● ▲							
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲						
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
12	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲				
14	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
18			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
20	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
22			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
25			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
30			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
60				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
65					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
75					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
90						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
100						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
110						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
120						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
130						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
140						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
150						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
160							● ▲	● ▲	● ▲			
170							● ▲	● ▲	● ▲			
180							● ▲	● ▲	● ▲			
190							● ▲	● ▲	● ▲			
200							● ▲	● ▲	● ▲			
 [szt./pc.]	1000	1000	1000 l >= 35 500 l >= 50 200	1000 l >= 20 500 l >= 35 200 l >= 60 100	500 l >= 25 200 l >= 60 100	500 l >= 14 200 l >= 45 100	500 l >= 14 200 l >= 25 100 l >= 100 50 l >= 170 25	100 l >= 50 50 l >= 75 25	50 l >= 75 25	25	25	10
dk	4	5	6,72	8,96	11,2	13,44	17,92	22,4	26,88	33,6	40,32	39
k	1,2	1,55	1,86	2,48	3,1	3,72	4,96	6,2	7,44	8,8	10,16	14
Prowadzenie	SW 1,3	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8	SW 10	SW 12	SW 14

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer





WKRETY METRYCZNE

METRIC SCREWS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

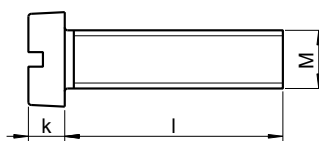
		normy standards	kod podgrupy subgroup code	str. page
	WKRETY METRYCZNE METRIC SCREWS			
	Wkręty z łbem walcowym z nacięciem prostym Slotted cheese head screws	DIN 84 ISO 1207	EZ00842 EZ00844	27
	Wkręty z łbem stożkowo-płaskim z nacięciem prostym Slotted countersunk head screws	DIN 963 ISO 2009	EZ09632 EZ09634	29
	Wkręty z łbem stożkowo-płaskim PH Cross recessed countersunk head screws - H	DIN 965 H ISO 7046	EZ09652 EZ09654	31
	Wkręty z łbem płasko-soczewkowym PH Cross recessed raised cheese head screws - H	DIN 7985 H ISO 7045	EZ79852 EZ79854	32
	Wkręty z łbem grzybkowym - gniazdo 6-kąt Button head screws	ISO 7380-1 PN-EN ISO 7380	EZ738012 EZ738014	33
	Wkręty z łbem grzybkowym z kołnierzem - gniazdo 6-kąt Flange button head socket screws	ISO 7380-2 ISO 7380 MF	EZ738022 EZ738024	34
	Wkręty z łbem stożkowo-płaskim TORX Countersunk head screws with six lobe drive	ISO 14581 DIN 965 TX	EZ145812 EZ145814	35
	Wkręty z łbem płasko-soczewkowym TORX Pan head screws with six lobe drive	ISO 14583 DIN 7985 TX	EZ145832 EZ145834	36

EZ0084

WKRETY Z ŁBEM WALCOWYM Z NACIĘCIEM PROSTYM

Slotted cheese head screws

DIN	84
ISO	1207
PN/M	82215
PN-EN ISO	1207



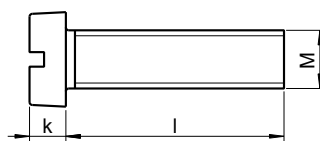
l	M 1	M 1,2	M 1,4	M 1,6	M 1,7	M 2	M 2,3	M 2,5
[mm]								
2	● ▲	● ▲		● ▲				
3	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
4	● ▲	● ▲	● ▲	● ▲		● ▲	● ▲	● ▲
5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
6	● ▲	● ▲	● ▲	● ▲		● ▲	● ▲	● ▲
8	● ▲	● ▲	● ▲	● ▲		● ▲	● ▲	● ▲
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
12			● ▲	● ▲		● ▲	● ▲	● ▲
14				● ▲		● ▲	● ▲	● ▲
16				● ▲		● ▲	● ▲	● ▲
18				● ▲		● ▲	● ▲	● ▲
20				● ▲		● ▲	● ▲	● ▲
22						● ▲	● ▲	● ▲
25						● ▲		● ▲
28						● ▲		● ▲
30						● ▲		● ▲
35						● ▲		● ▲
40						● ▲		
45								
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55								
60								
65								
70								
75								
80								
85								
90								
95								
100								
110								
120								
130								
140								
 [szt./pc.]	1000	1000	1000	1000	1000	1000 l ≥ 22 500	1000	1000 l ≥ 20 500
dk	2	2,3	2,6	3	3,4	3,8	4,4	4,5
k	0,7	0,8	0,9	1	1,2	1,3	1,5	1,6

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRĘTY Z ŁBEM WALCOWYM Z NACIĘCIEM PROSTYM

Slotted cheese head screws

EZ0084



DIN	84
ISO	1207
PN/M	82215
PN-EN ISO	1207

l	M 2,6	M 3	M 3,5	M 4	M 5	M 6	M 8	M 10
[mm]								
2								
3	● ▲	● ▲						
4	● ▲	● ▲	● ▲	● ▲				
5	● ▲	● ▲	● ▲	● ▲				
6	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
12	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
14		● ▲	● ▲	● ▲	● ▲	● ▲		
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
18		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
20	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22		● ▲	● ▲	● ▲	● ▲	● ▲		
25		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
28		● ▲	● ▲	● ▲	● ▲	● ▲		
30		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55		● ▲	● ▲	● ▲	● ▲	● ▲		
60		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
65				● ▲	● ▲	● ▲		
70				● ▲	● ▲	● ▲	● ▲	● ▲
75				● ▲	● ▲	● ▲		
80				● ▲	● ▲	● ▲	● ▲	● ▲
85				● ▲	● ▲	● ▲		
90				● ▲	● ▲	● ▲	● ▲	● ▲
95					● ▲			
100				● ▲	● ▲	● ▲	● ▲	● ▲
110						● ▲		
120					● ▲	● ▲		
130						● ▲		
140						● ▲		
 [szt./pc.]	1000	500 l >= 45 200	500 l >= 45 200	500 l >= 65 200	500 l >= 45 200	500 l >= 22 200	200 l >= 60 100	100 l >= 70 50
dk	5	5,5	6	7	8,5	10	13	16
k	1,7	2	2,4	2,6	3,3	3,9	5	6

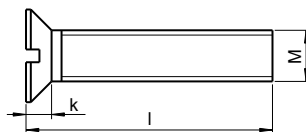
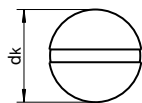
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ0963

WKRETY Z ŁBEM STOŻKOWO-PŁASKIM Z NACIĘCIEM PROSTYM

Slotted countersunk head screws

DIN	963
ISO	2009
PN/M	82207
PN-EN ISO	2009



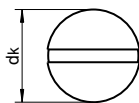
l	M 1	M 1,2	M 1,4	M 1,6	M 1,7	M 2	M 2,3	M 2,5	M 2,6	M 3	M 3,5
[mm]											
2	●▲	●▲		●▲							
3	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
4	●▲	●▲	●▲	●▲		●▲	●▲	●▲	●▲	●▲	●▲
5	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
6	●▲	●▲	●▲	●▲		●▲	●▲	●▲	●▲	●▲	●▲
8	●▲	●▲	●▲	●▲		●▲	●▲	●▲	●▲	●▲	●▲
10	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
12			●▲	●▲		●▲	●▲	●▲	●▲	●▲	●▲
14				●▲		●▲	●▲	●▲		●▲	●▲
16				●▲		●▲	●▲	●▲	●▲	●▲	●▲
18						●▲	●▲	●▲		●▲	●▲
20						●▲	●▲	●▲	●▲	●▲	●▲
22						●▲	●▲	●▲		●▲	●▲
25						●▲		●▲		●▲	●▲
28						●▲		●▲		●▲	●▲
30						●▲		●▲		●▲	●▲
35						●▲		●▲		●▲	●▲
40						●▲				●▲	●▲
45										●▲	●▲
50										●▲	●▲
55										●▲	●▲
60										●▲	●▲
65											
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75											
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85											
90											
95											
100											
110											
120											
130											
140											
150											
160											
 [szt./pc.]	1000	1000	1000	1000	1000	1000 l >= 22 500	1000	1000 l >= 22 500	1000	500 l >= 45 200	500 l >= 50 200
dk	1,9	2,3	2,6	3	3	3,8	4,7	4,7	4,7	5,6	6,5
k	0,6	0,72	0,84	0,96	0,96	1,2	1,5	1,5	1,5	1,65	1,93

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY Z ŁBEM STOŻKOWO-PŁASKIM Z NACIĘCIEM PROSTYM

Slotted countersunk head screws

EZ0963



DIN	963
ISO	2009
PN/M	82207
PN-EN ISO	2009

l	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24
[mm]											
2											
3											
4	● ▲										
5	● ▲										
6	● ▲	● ▲	● ▲								
8	● ▲	● ▲	● ▲								
10	● ▲	● ▲	● ▲	● ▲							
12	● ▲	● ▲	● ▲	● ▲							
14	● ▲	● ▲	● ▲	● ▲							
16	● ▲	● ▲	● ▲	● ▲	● ▲						
18	● ▲	● ▲	● ▲	● ▲							
20	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
22	● ▲	● ▲	● ▲	● ▲							
25	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
28	● ▲	● ▲	● ▲								
30	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
35	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
40	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
45	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
50	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	●
55	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
60	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
65	● ▲	● ▲	● ▲								
70	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
75	● ▲	● ▲	● ▲								
80	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
85	● ▲	● ▲	● ▲								
90	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
95		● ▲									
100	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
110			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
120		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
130			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
140			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
150				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
160				● ▲	● ▲	● ▲					
[szt./pc.]	500 l >= 70 200	500 l >= 45 200	500 l >= 22 200	200 l >= 55 100	100 l >= 70 50	50	25	25 l >= 100 10	25 l >= 100 10	25 l >= 100 10	10
dk	7,5	9,2	11	14,5	18	22	25	29	33	36	
k	2,2	2,5	3	4	5	6	7	8	9	10	

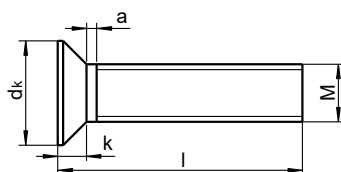
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ0965

WKRETY Z ŁBEM STOŻKOWO-PŁASKIM PH

Cross recessed countersunk head screws - H

DIN	965 H
ISO	7046
PN/M	82208
PN-EN ISO	7046



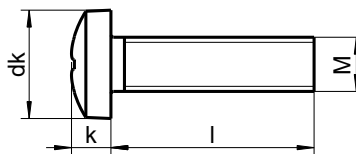
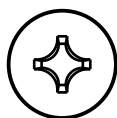
l	M 1,6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10
[mm]									
2	● ▲								
3	● ▲	● ▲	● ▲						
4	● ▲	● ▲	● ▲	● ▲					
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8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
12	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
14	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
18	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
20	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22			● ▲	● ▲	● ▲	● ▲	● ▲		
25			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
28						● ▲			
30			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55				● ▲	● ▲	● ▲	● ▲		
60				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
65					● ▲	● ▲	● ▲		
70					● ▲	● ▲	● ▲	● ▲	● ▲
75					● ▲	● ▲	● ▲		
80					● ▲	● ▲	● ▲	● ▲	● ▲
85					● ▲	● ▲	● ▲		
90					● ▲	● ▲	● ▲	● ▲	● ▲
95					● ▲	● ▲	● ▲		
100					● ▲	● ▲	● ▲	● ▲	● ▲
110							● ▲	● ▲	
120							● ▲	● ▲	
130							● ▲	● ▲	
140							● ▲	● ▲	
150								● ▲	
 [szt./pc.]	1000	1000	1000	500	500 l ≥ 65 200	500 l ≥ 45 200	500 l ≥ 22 200 l ≥ 95 100	200 l ≥ 100 100	100 l ≥ 70 50
dk	3	3,8	4,7	5,6	7,5	9,2	11	14,5	18
k	0,96	1,2	1,5	1,65	2,2	2,5	3	4	5
a	0,7	0,8	0,9	1	1,4	1,6	2	2,5	3
Prowadzenie	PH0	PH1	PH1	PH1	PH2	PH2	PH3	PH4	PH4

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY Z ŁBEM PŁASKO-SOCZEWKOWYM PH

Cross recessed raised cheese head screws - H

EZ7985



DIN	7985 H
ISO	7045
PN/M	82202
PN-EN ISO	7045

l	M 1,6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10
[mm]									
2	●▲								
3	●▲	●▲	●▲	●▲					
4	●▲	●▲	●▲	●▲	●▲				
5	●▲	●▲	●▲	●▲	●▲				
6	●▲	●▲	●▲	●▲	●▲	●▲			
7						●			
8	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
10	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
12	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
14	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
16	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
18	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
20	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
22			●▲	●▲	●▲	●▲	●▲		
25			●▲	●▲	●▲	●▲	●▲	●▲	●▲
28			●▲	●▲	●▲	●▲	●▲		
30			●▲	●▲	●▲	●▲	●▲	●▲	●▲
35				●▲	●▲	●▲	●▲	●▲	●▲
40				●▲	●▲	●▲	●▲	●▲	●▲
45				●▲	●▲	●▲	●▲	●▲	●▲
48				●					
50				●▲	●▲	●▲	●▲	●▲	●▲
55				●▲	●▲	●▲	●▲		
60				●▲	●▲	●▲	●▲	●▲	●▲
65					●▲	●▲	●▲		
70					●▲	●▲	●▲	●▲	●▲
75						●▲	●▲		
80					●▲	●▲	●▲	●▲	●▲
90					●▲	●▲	●▲	●▲	●▲
100					●▲	●▲	●▲	●▲	●▲
 [szt./pc.]	1000	1000	1000 l >= 22 500	500 l >= 45 200	500	500 l >= 45 200	500 l >= 25 200 l >= 70 100	200 l >= 60 100	100 l >= 70 50
dk	3,2	4	5	6	8	10	12	16	20
k	1,3	1,6	2	2,4	3,1	3,8	4,6	6	7,5
Prowadzenie	PH0	PH1	PH1	PH1	PH2	PH2	PH3	PH4	PH4

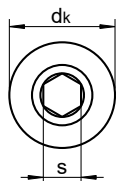
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ73801

WKRETY Z ŁBEM GRZYBKOWYM - GNIAZDO 6-KĄT

Button head screws - hexagon socket

ISO	7380-1
PN-EN ISO	7380



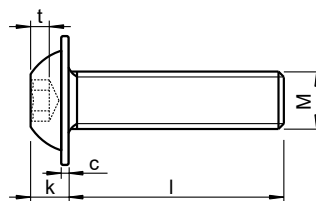
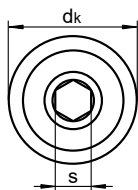
l	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12
[mm]									
3	● ▲	● ▲	● ▲						
4	● ▲	● ▲	● ▲	● ▲					
5	● ▲	● ▲	● ▲	● ▲	● ▲				
6	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
12	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
14	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
18			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
20	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
30			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
60				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
65					● ▲	● ▲	● ▲	● ▲	● ▲
70					● ▲	● ▲	● ▲	● ▲	● ▲
75					● ▲	● ▲	● ▲	● ▲	● ▲
80					● ▲	● ▲	● ▲	● ▲	● ▲
90						● ▲	● ▲	● ▲	● ▲
100						● ▲	● ▲	● ▲	● ▲
110							● ▲	● ▲	● ▲
120						● ▲	● ▲	● ▲	● ▲
 [szt./pc.]	1000	1000	1000 l ≥ 35 500 l ≥ 50 200	1000 l ≥ 20 500 l ≥ 35 200 l ≥ 60 100	500 l ≥ 25 200 l ≥ 60 100	500 l ≥ 14 200 l ≥ 45 100	500 l ≥ 14 200 l ≥ 25 100 l ≥ 100 50	100 l ≥ 50 50	50 l ≥ 75 25
dk	3,4	4,6	5,7	7,6	9,5	10,5	14	17,5	21
k	1,3	1,5	1,65	2,2	2,75	3,3	4,4	5,5	6,6
t	0,6	0,7	1,04	1,3	1,56	2,08	2,6	3,12	4,16
Prowadzenie	SW 1,3	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY Z ŁBEM GRZYBKOWYM Z KOŁNIERZEM - GNIAZ. 6-KĄT

Flange button head socket screws

EZ73802



ISO	7380-2
PN-EN ISO	7380 MF

l	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12
[mm]									
3	●▲	●▲	●▲						
4	●▲	●▲	●▲	●▲					
5	●▲	●▲	●▲	●▲	●▲				
6	●▲	●▲	●▲	●▲	●▲	●▲			
8	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
10	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
12	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
14	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
16	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
18			●▲	●▲	●▲	●▲	●▲	●▲	●▲
20	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
22			●▲	●▲	●▲	●▲	●▲	●▲	●▲
25			●▲	●▲	●▲	●▲	●▲	●▲	●▲
30			●▲	●▲	●▲	●▲	●▲	●▲	●▲
35			●▲	●▲	●▲	●▲	●▲	●▲	●▲
40			●▲	●▲	●▲	●▲	●▲	●▲	●▲
45			●▲	●▲	●▲	●▲	●▲	●▲	●▲
50			●▲	●▲	●▲	●▲	●▲	●▲	●▲
55				●▲	●▲	●▲	●▲	●▲	●▲
60				●▲	●▲	●▲	●▲	●▲	●▲
65					●▲	●▲	●▲	●▲	●▲
70					●▲	●▲	●▲	●▲	●▲
75					●▲	●▲	●▲	●▲	●▲
80					●▲	●▲	●▲	●▲	●▲
90						●▲	●▲	●▲	●▲
100						●▲	●▲	●▲	●▲
110							●▲	●▲	●▲
120						●▲	●▲	●▲	●▲
 [szt./pc.]	1000	1000	1000 l ≥ 35 500 l ≥ 50 200	1000 l ≥ 20 500 l ≥ 35 200 l ≥ 60 100	500 l ≥ 25 200 l ≥ 60 100	500 l ≥ 14 200 l ≥ 45 100	500 l ≥ 14 200 l ≥ 25 100 l ≥ 100 50	100 l ≥ 50 50	50 l ≥ 75 25
dk	4	5,5	6,9	9,4	11,8	13,6	17,8	21,9	24
k	1,23	1,43	1,65	2,2	2,75	3,3	4,4	5,5	6,6
t	0,6	0,8	1,04	1,3	1,58	2,08	2,6	3,12	4,16
c	0,5	0,6	0,7	0,8	1	1,2	1,5	2	2,4
Prowadzenie	SW 1,3	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8

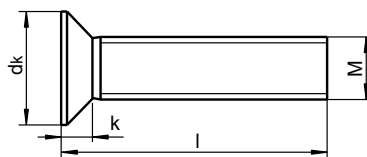
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ14581

WKRETY Z ŁBEM STOŻKOWO-PŁASKIM TORX

Countersunk head screws with six lobe drive

DIN	965 TX
ISO	14581



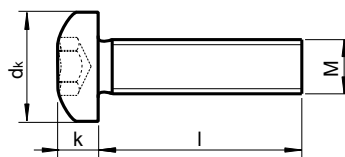
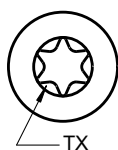
l	M 1,6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10
[mm]									
2	● ▲								
3	● ▲	● ▲	● ▲						
4	● ▲	● ▲	● ▲	● ▲					
5	● ▲	● ▲	● ▲	● ▲	● ▲				
6	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	▲	
12	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
14	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
18	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
20	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22			● ▲	● ▲	● ▲	● ▲	● ▲		
25			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
28						● ▲			
30				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55				● ▲	● ▲	● ▲	● ▲		
60				● ▲	● ▲	● ▲	● ▲	●	● ▲
65					● ▲	● ▲	● ▲		
70					● ▲	● ▲	● ▲	● ▲	● ▲
75					● ▲	● ▲	● ▲		
80					● ▲	● ▲	● ▲	● ▲	● ▲
85					● ▲	● ▲	● ▲		
90					● ▲	● ▲	● ▲	▲	
95					● ▲	● ▲	● ▲		
100					● ▲	● ▲	● ▲		
110							● ▲		
120							● ▲		
130							● ▲		
140							● ▲		
 [szt./pc.]	1000	1000	1000	1000	500 l ≥ 65 200	500 l ≥ 45 200	500 l ≥ 25 200	200	100 l ≥ 70 50
dk	3	3,8	4,7	5,5	8,4	9,3	11,3	15,8	18,3
k	0,96	1,2	1,5	1,65	2,7	2,7	3,3	4,65	5
Prowadzenie	TX5	TX6	TX8	TX10	TX20	TX25	TX30	TX45	TX50

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY Z ŁBEM PŁASKO-SOCZEWKOWYM TORX

Pan head screws with six lobe drive

EZ14583



DIN	7985 TX
ISO	14583

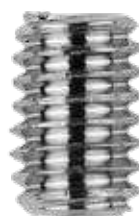
l	M 1,6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10
[mm]									
2	●▲								
3	●▲	●▲	●▲	●▲					
4	●▲	●▲	●▲	●▲	●▲				
5	●▲	●▲	●▲	●▲	●▲				
6	●▲	●▲	●▲	●▲	●▲	●▲			
8	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
10	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
12	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	
14	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
16	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
18	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
20	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
22			●▲	●▲	●▲	●▲	●▲		
25			●▲	●▲	●▲	●▲	●▲	●▲	●▲
28			●▲	●▲	●▲	●▲	●▲		
30			●▲	●▲	●▲	●▲	●▲	●▲	●▲
35				●▲	●▲	●▲	●▲	●▲	●▲
40				●▲	●▲	●▲	●▲	●▲	●▲
45				●▲	●▲	●▲	●▲	●▲	●▲
50				●▲	●▲	●▲	●▲	●▲	●▲
55				●▲	●▲	●▲	●▲		
60				●▲	●▲	●▲	●▲	●▲	●▲
65					●▲	●▲	●▲		
70					●▲	●▲	●▲	●▲	●▲
75						●▲	●▲		
80					●▲	●▲	●▲	●▲	●▲
90					●▲	●▲	●▲	●▲	●▲
100					●▲	●▲	●▲	●▲	●▲
 [szt./pc.]	1000	1000	1000 l >= 25 500	500 l >= 45 200	500	500 l >= 45 200	500 l >= 25 200 l >= 70 100	200 l >= 90 100	100 l >= 70 50
dk	3,2	4	5	5,6	8	9,5	12	16	20
k	1,3	1,6	2,1	2,4	3,1	3,7	4,6	6	7,5
Prowadzenie	TX5	TX6	TX8	TX10	TX20	TX25	TX30	TX45	TX50

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



WKRETY USTALAJĄCE

SLOTTED SET SCREWS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

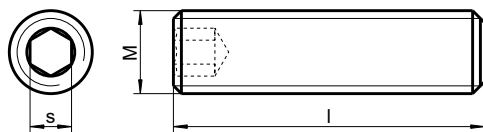
		normy standards	kod podgrupy subgroup code	str. page
	WKRETY USTALAJĄCE SLOTTED SET SCREWS			
	Wkręty dociskowe z gniazdem 6-kątnym i końcem płaskim Hexagon socket set screws with flat point	ISO 4026 DIN 913	EZ40262 EZ40264	39
	Wkręty dociskowe z gniazdem 6-kątnym i końcem stożkowym Hexagon socket set screws with cone point	ISO 4027 DIN 914	EZ40272 EZ40274	40
	Wkręty dociskowe z gniazdem 6-kątnym i czopem walcowym Hexagon socket set screws with dog point	ISO 4028 DIN 915	EZ40282 EZ40284	40
	Wkręty dociskowe z gniazdem 6-kątnym i końcem wgłębionym Hexagon socket set screws with cup point	ISO 4029 DIN 916	EZ40292 EZ40294	42

EZ4026

WKRETY DOCISKOWE Z GNIAZDEM 6-KĄT I KOŃCEM PŁASKIM

Hexagon socket set screws with flat point

DIN	913
ISO	4026
PN/M	82314
PN-EN ISO	4026



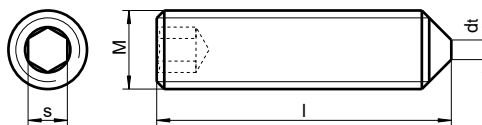
l	M 1,6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	M 20
[mm]												
2	● ▲	● ▲										
3	● ▲	● ▲	● ▲	● ▲	● ▲							
4	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲						
5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
6	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
12		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
14		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
16		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
18				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
20				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
30				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
60						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70							● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80							● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
90								● ▲	● ▲	● ▲	● ▲	● ▲
100								● ▲	● ▲	● ▲	● ▲	● ▲
120								● ▲	● ▲	● ▲		
 [szt./pc.]	200	500	500	500 l >= 30 200	500 l >= 30 200	500 l >= 25 200	200	200	200 l >= 25 100	100 l >= 70 50 l >= 120 100	50 l >= 80 25	50 l >= 70 25
Prowadzenie	SW 0,7	SW 0,9	SW 1,3	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8	SW 10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY DOCISKOWE Z GNIAZDEM 6-KĄT I KOŃCEM STOŻKOWYM

Hexagon socked set screws with cone point

EZ4027



DIN	914
ISO	4027
PN/M	82315
PN-EN ISO	4027

l	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	M 20
[mm]											
2	● ▲										
3	● ▲	● ▲	● ▲	● ▲							
4	● ▲	● ▲	● ▲	● ▲	● ▲						
5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
6	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
12	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
14	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
18			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
20			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22						●					
25			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
30			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55					● ▲	● ▲	● ▲	● ▲	● ▲	●	● ▲
60					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
90							● ▲	● ▲	● ▲	● ▲	● ▲
100							● ▲	● ▲	● ▲	● ▲	● ▲
120							● ▲	●	● ▲		
[szt./pc.]	500	500	500 l >= 30 200	500 l >= 30 200	500 l >= 25 200	200	200	200 l >= 25 100	100 l >= 70 50	50 l >= 80 25	50 l >= 70 25
d _t	0,5	0,65	0,75	1	1,25	1,5	2	2,5	3	4	5
Prowadzenie	SW 0,9	SW 1,3	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8	SW 10

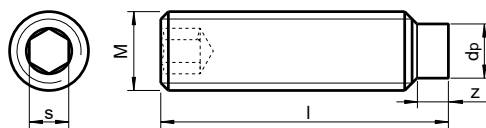
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ4028

WKRETY DOCISKOWE Z GNIAZDEM 6-KĄT I CZOPEM WALCOWYM

Hexagon socket set screws with dog point

DIN	915
ISO	4028
PN/M	82316
PN-EN ISO	4028



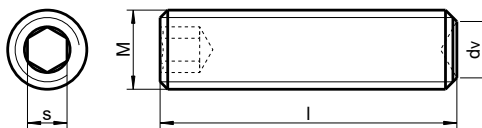
l	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	M 20
[mm]											
2	● ▲										
3	● ▲	● ▲	● ▲	● ▲							
4	● ▲	● ▲	● ▲	● ▲	● ▲						
5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
6	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
12	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
14	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
18			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
20			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
30			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
60					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
90							● ▲	● ▲	● ▲	● ▲	● ▲
100							● ▲	● ▲	● ▲	● ▲	● ▲
120							● ▲	● ▲	● ▲		
 [szt./pc.]	500	500	500 l >= 30 200	500 l >= 30 200	500 l >= 25 200	200	200	200 l >= 70 100	100 l >= 70 50	50 l >= 80 25	50 l >= 70 25
z	0,5	0,63	0,75	1	1,25	1,5	2	2,5	3	4	5
d _p	0,75	1,25	1,75	2,25	3,2	3,7	5,2	6,64	8,14	11,57	14,57
Prowadzenie	SW 0,9	SW 1,3	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8	SW 10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY DOCISKOWE Z GNIAZDEM 6-KĄT I KOŃCEM WGŁĘBNYM

Hexagon socket set screws with cup point

EZ4029



DIN	916
ISO	4029
PN/M	82317
PN-EN ISO	4029

l	M 1,6	M 2	M 2,5	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	M 20
[mm]												
2	● ▲	● ▲										
3	● ▲	● ▲	● ▲	● ▲	● ▲							
4	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲						
5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲					
6	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲			
8	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
10		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
12		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
14		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
16		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
18				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	
20				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
30				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40				● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50					● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55						● ▲	● ▲	● ▲	● ▲	● ▲	●	● ▲
60						● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70							● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80							● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
90								● ▲	● ▲	● ▲	● ▲	● ▲
100								● ▲	● ▲	▲	● ▲	● ▲
120								● ▲	● ▲	● ▲		
[szt./pc.]	200	500	500	500 l >= 30 200	500 l >= 30 200	500 l >= 25 200	200	200	200 l >= 25 100	100 l >= 70 50	50 l >= 80 25	50 l >= 70 25
dv	0,8	1	1,2	1,4	2	2,5	3	5	6	8	10	14
Prowadzenie	SW 0,7	SW 0,9	SW 1,3	SW 1,5	SW 2	SW 2,5	SW 3	SW 4	SW 5	SW 6	SW 8	SW 10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



WKRETY SAMOWIERCĄCE

SELF DRILLING SCREWS



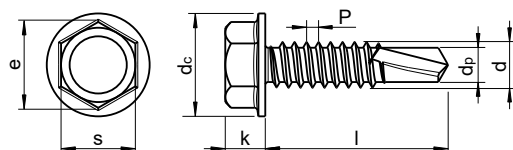
W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

		normy standards	kod podgrupy subgroup code	str. page
	WKRETY SAMOWIERCĄCE SELF DRILLING SCREWS			
	Wkręty samowiercące łeb 6-kąt Self drilling screws with hexagon head and flange	DIN 7504 K PN-EN ISO 15480	EZ75042K EZ75044K	45
	Wkręty samowiercące łeb płasko-soczewkowy PH Self drilling screws with pan head - H	DIN 7504 M PN-EN ISO 15481	EZ75042M EZ75044M	46
	Wkręty samowiercące łeb płasko-soczewkowy TX Self drilling screws with pan head six lobe drive	DIN 7504 M TX PN-EN ISO 15481	EZ75042MT EZ75044MT	47
	Wkręty samowiercące łeb stożkowo-płaski PH Self drilling screws with countersunk head - H	DIN 7504 O PN-EN ISO 15482	EZ75042O EZ75044O	48
	Wkręty samowiercące łeb stożkowo-płaski TX Self drilling screws with countersunk head six lobe drive	DIN 7504 O TX PN-EN ISO 15482	EZ75042OT EZ75044OT	49

EZ7504

WKRETY SAMOWIERCĄCE Z ŁBEM 6-KĄT
 Self drilling screws with hexagon head and flange

DIN	7504 K
ISO	15480
PN-EN ISO	15480



Tylko do metali miękkich.
Only for soft metals.

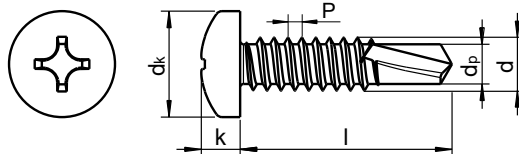
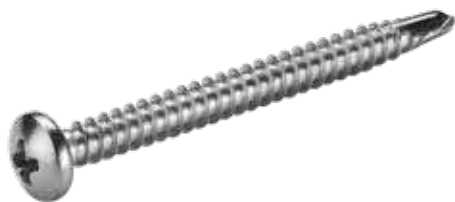
l	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
9,5	●					
13	●	● ▲	● ▲	● ▲	● ▲	● ▲
16	●	● ▲	● ▲	● ▲	● ▲	● ▲
19	●	● ▲	● ▲	● ▲	● ▲	● ▲
22	●	● ▲	● ▲	● ▲	● ▲	● ▲
25	●	● ▲	● ▲	● ▲	● ▲	● ▲
28					● ▲	
30					● ▲	
32		● ▲	● ▲	● ▲	● ▲	● ▲
35				● ▲	● ▲	
38		● ▲	● ▲	● ▲	● ▲	● ▲
40					● ▲	
45			● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲
60				● ▲	● ▲	● ▲
70				● ▲	● ▲	● ▲
75					● ▲	● ▲
80				● ▲	● ▲	● ▲
90				● ▲	● ▲	● ▲
100				● ▲	● ▲	● ▲
110					●	●
120					●	
125					●	●
130					●	
140					●	
150					●	●
 [szt./pc.]	1000	1000 l >= 38 500 500	1000 l >= 38 500 l >= 50 200	500 l >= 60 200	500 l >= 50 200 l >= 125 100 l >= 130 200	500 l >= 50 200 l >= 100 100
e	5,96	5,96	7,59	8,71	8,71	10,95
d _c	8,3	8,3	8,8	10,5	11	13,2
k	3,45	3,45	4,25	4,45	5,45	6,45
P	1,2	1,3	1,4	1,5	1,7	2
d _p	2,8	3,1	3,6	4,1	4,8	5,8
Zakres wiercenia (min-max) w grub. materiału	0,7-2,25	0,7-2,4	1,75-3,0	1,75-4,4	1,75-5,25	2,0-6,0
Prowadzenie	SW 5,5	SW 5,5	SW 7	SW 8	SW 8	SW 10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY SAMOWIERCĄCE ŁEB PŁASKO-SOCZEWKOWY PH

Self drilling screws with pan head - H

EZ7504



DIN	7504 M
ISO	15481
PN-EN ISO	15481

Tylko do metali miękkich.
Only for soft metals.

l	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
9,5	● ▲	● ▲					
13	● ▲	● ▲	● ▲	● ▲	● ▲		
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
19	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
32			● ▲	● ▲	● ▲	● ▲	● ▲
35					▲	▲	
38			● ▲	● ▲	● ▲	● ▲	● ▲
40						● ▲	
45			● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲
60				● ▲	● ▲	● ▲	● ▲
70					● ▲	● ▲	● ▲
75					● ▲	● ▲	
80					● ▲	● ▲	● ▲
90					● ▲	● ▲	● ▲
100					● ▲	● ▲	● ▲
[szt./pc.]	1000	1000	1000	1000 l ≥ 45 500	1000 l ≥ 50 500	1000 l ≥ 25 500 l ≥ 40 200	500 l ≥ 25 200
dk	5,6	6,9	7,5	8,2	9,5	10,8	12,5
k	2,2	2,6	2,8	3,05	3,55	3,95	4,55
P	0,9	1,2	1,3	1,4	1,5	1,7	2
dp	2,3	2,8	3,1	3,6	4,1	4,8	5,8
Zakres wiercenia (min-max) w grub. materiału	0,7-1,9	0,7-2,25	0,7-2,4	1,75-3,0	1,75-4,4	1,75-5,25	2,0-6,0
Prowadzenie	PH1	PH2	PH2	PH2	PH2	PH3	PH3

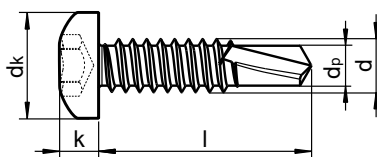
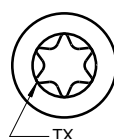
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ75042MT

WKRETY SAMOWIERCĄCE ŁEB PŁASKO-SOCZEWKOWY TX

Self drilling screws with pan head six lobe drive

DIN	7504 MTX
ISO	15481
PN-EN ISO	15481



Tylko do metali miękkich.
Only for soft metals.

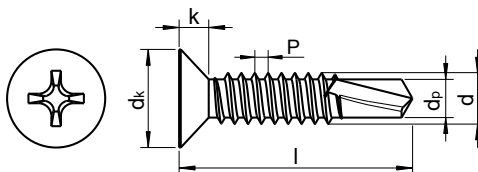
l	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
9,5	● ▲	● ▲					
13	● ▲	● ▲	● ▲	● ▲	● ▲		
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
19	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
32			● ▲	● ▲	● ▲	● ▲	● ▲
38			● ▲	● ▲	● ▲	● ▲	● ▲
40						● ▲	
45			● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲
60				● ▲	● ▲	● ▲	● ▲
70				● ▲	● ▲	● ▲	● ▲
75					● ▲	● ▲	
80					● ▲	● ▲	● ▲
90					● ▲	● ▲	● ▲
100					● ▲	● ▲	● ▲
 [szt./pc.]	1000	1000	1000	1000 l >= 32 500	500	1000 l >= 25 500 l >= 45 200	500 l >= 25 200
dk	5,6	6,9	7,5	8,2	9,5	10,8	12,5
k	2,2	2,6	2,8	3,05	3,55	3,95	4,55
d _p	2,3	2,8	3,1	3,6	4,1	4,8	5,8
Zakres wiercenia (min-max) w grub. materiału	0,7-1,9	0,7-2,25	0,7-2,4	1,75-3,0	1,75-4,4	1,75-5,25	2,0-6,0
Prowadzenie	TX8	TX10	TX15	TX20	TX25	TX25	TX30

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY SAMOWIERCĄCE ŁEB STOŻKOWO-PŁASKI PH

Self drilling screws with countersunk head - H

EZ7504O



DIN	7504 O
ISO	15482
PN-EN ISO	15482

Tylko do metali miękkich.
Only for soft metals.

l	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
9,5	● ▲	● ▲					
13	● ▲	● ▲	● ▲	● ▲	● ▲		
16	● ▲	● ▲	● ▲	● ▲	● ▲		▲
19	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
32			● ▲	● ▲	● ▲	● ▲	● ▲
38			● ▲	● ▲	● ▲	● ▲	● ▲
40						● ▲	
45			● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲
60				● ▲	● ▲	● ▲	● ▲
70					● ▲	● ▲	● ▲
75					● ▲	● ▲	
80					● ▲	● ▲	● ▲
90					● ▲	● ▲	● ▲
100					● ▲	● ▲	● ▲
 [szt./pc.]	1000	1000	1000	1000 l >= 50 200	1000 l >= 50 500 l >= 60 200	1000 l >= 25 500 l >= 40 200	500 l >= 25 200
dk	5,5	7,3	7,5	8,4	9,3	10,3	10,9
k	1,7	2,1	2,3	2,5	3	3,4	3,8
P	0,9	1,2	1,3	1,4	1,5	1,7	2
d _p	2,3	2,8	3,1	3,6	4,1	4,8	5,8
Zakres wiercenia (min-max) w grub. materiału	0,7-1,9	0,7-2,25	0,7-2,4	1,75-3,0	1,75-4,4	1,75-5,25	2,0-6,0
Prowadzenie	PH1	PH2	PH2	PH2	PH2	PH3	PH3

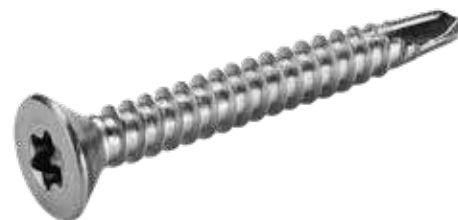
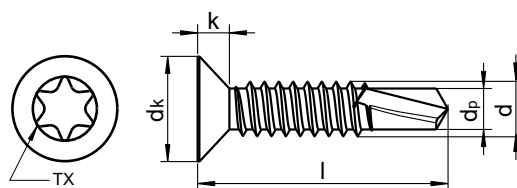
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ750420T

WKRETY SAMOWIERCĄCE ŁEB STOŻKOWO-PŁASKI TX
 Self drilling screws with countersunk head six lobe drive

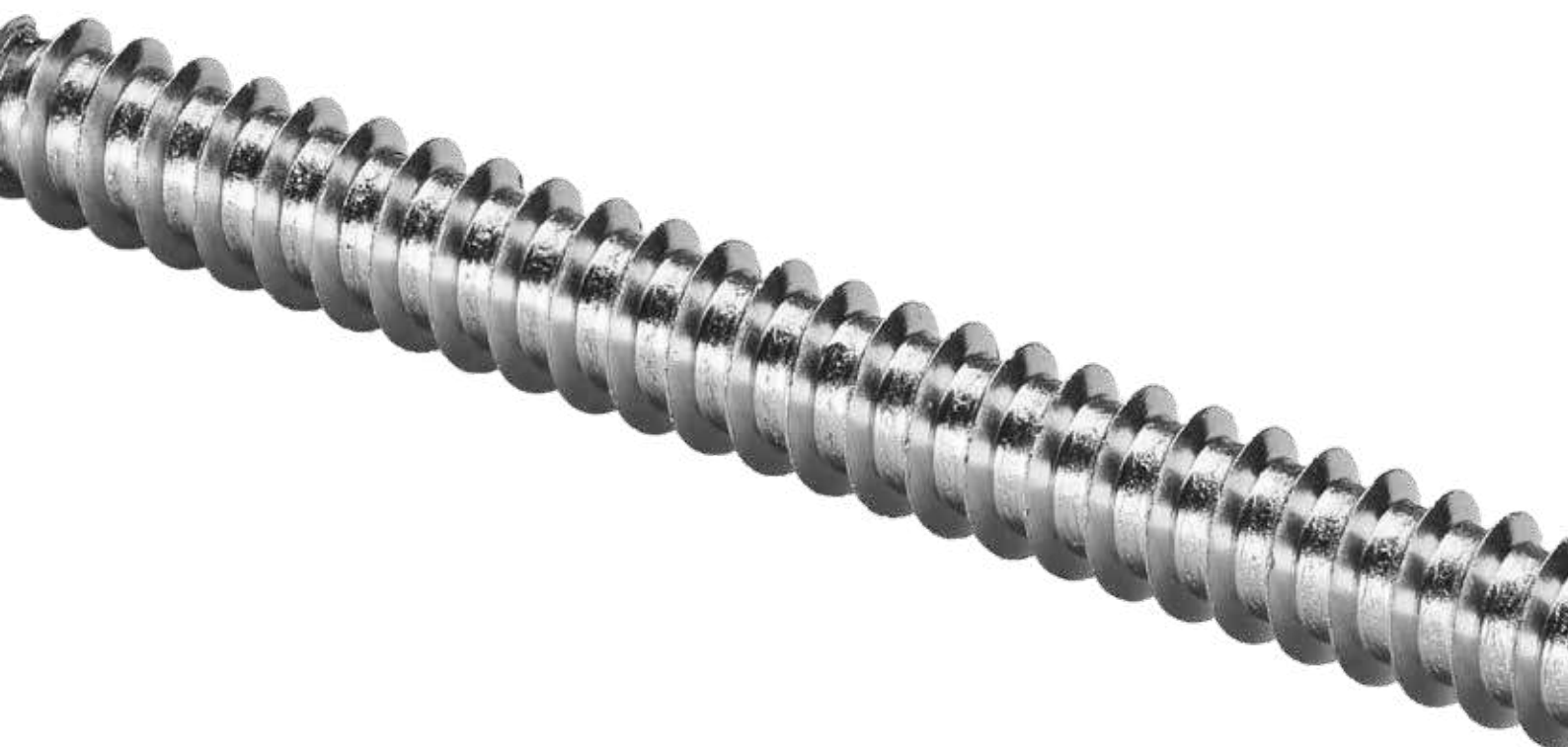
DIN	7504 OTX
ISO	15482
PN-EN ISO	15482

Tylko do metali miękkich.
Only for soft metals.



l	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
9,5	● ▲	● ▲					
13	● ▲	● ▲	● ▲	● ▲	● ▲		
16	● ▲	● ▲	● ▲	● ▲	● ▲		● ▲
19	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
28					●		
32			● ▲	● ▲	● ▲	● ▲	● ▲
38			● ▲	● ▲	● ▲	● ▲	● ▲
40						●	
45			● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲
60				● ▲	● ▲	● ▲	● ▲
70					● ▲	● ▲	● ▲
75					● ▲	● ▲	
80					● ▲	● ▲	● ▲
90					● ▲	● ▲	● ▲
100					● ▲	● ▲	● ▲
 [szt./pc.]	1000	1000	1000	1000	1000 l >= 25 500	1000 l >= 25 500 l >= 40 200	500 l >= 25 200
dk	5,5	7,3	7,5	8,4	9,3	10,3	10,9
k	1,7	2,1	2,3	2,5	3	3,4	3,8
d _p	2,3	2,8	3,1	3,6	4,1	4,8	5,8
Zakres wiercenia (min-max) w grub. materiału	0,7-1,9	0,7-2,25	0,7-2,4	1,75-3,0	1,75-4,4	1,75-5,25	2,0-6,0
Prowadzenie	TX8	TX10	TX15	TX20	TX25	TX25	TX30

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



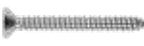


BLACHOWKRĘTY

SHEET METAL SCREWS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

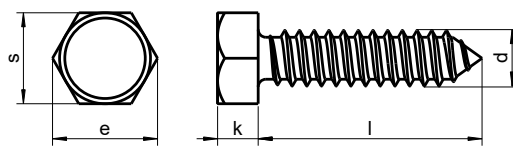
		normy standards	kod podgrupy subgroup code	str. page
	BLACHOWKRĘTY SHEET METAL SCREWS			
	Blachowkręty z łbem 6-kątnym Hexagon head tapping screws	DIN 7976 ISO 1479	EZ79762	53
	Blachowkręty z łbem płasko-soczewkowym PH Cross recessed pan head tapping screws - H	DIN 7981 C-H ISO 7049	EZ79812 EZ79814	54
	Blachowkręty z łbem płasko-soczewkowym z gniazdem TORX Pan head tapping screws, six lobe drive	ISO 14585 DIN 7981 TX	EZ145852 EZ145854	55
	Blachowkręty z łbem stożkowo-płaskim PH Cross recessed countersunk head tapping screws - H	DIN 7982 C-H ISO 7050	EZ79822 EZ79824	56
	Blachowkręty z łbem stożkowo-płaskim z gniazdem TORX Countersunk head tapping screws, six lobe drive	ISO 14586 DIN 7982 TX	EZ145862 EZ145864	57
	Blachowkręty z łbem walcowym - gniazdo 6-kąt Tapping screws with head	Art. nr 9051	EZ90512 EZ90514	58

EZ7976

BLACHOWKRĘTY Z ŁBEM 6-KĄTNYM

Hexagon head tapping screws

DIN	7976
ISO	1479
PN/M	83101
PN-EN ISO	1479



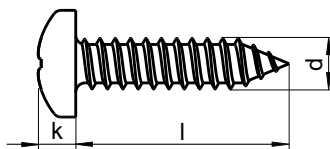
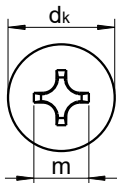
l	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3	8,0
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
9,5	●	●	●	●	●	●			
13	●	●	●	●	●	●	●	●	
16	●	●	●	●	●	●	●	●	●
19	●	●	●	●	●	●	●	●	●
22	●	●	●	●	●	●	●	●	●
25	●	●	●	●	●	●	●	●	●
32		●	●	●	●	●	●	●	●
38		●	●	●	●	●	●	●	●
45		●	●	●	●	●	●	●	●
50			●	●	●	●	●	●	●
55							●		
60				●	●	●	●	●	●
70					●	●	●	●	●
80						●	●	●	
90						●	●	●	
100						●	●	●	
110						●	●	●	
120						●	●	●	
 l [szt./pc.]	1000	1000	1000	1000 l >= 38 500	1000 l >= 32 500 l >= 50 200	1000 l >= 25 500 l >= 45 200	1000 l >= 25 500 l >= 45 200	500 l >= 38 200	200
e	3,38	5,4	5,96	7,59	7,59	8,71	8,71	10,95	14,28
k	1,3	1,5	2,3	2,3	2,8	3	4	4,8	5,8
s	SW 3,2	SW 5	SW 5,5	SW 7	SW 7	SW 8	SW 8	SW 10	SW 13

● - asortyment A2 w ofercie / product A2 in offer

BLACHOWKRĘTY Z ŁBEM PŁASKO-SOCZEWK. PH

Cross recessed pan head tapping screws - H

EZ7981



DIN	7981 C-H
ISO	7049
PN/M	83116
PN-EN ISO	7049

l	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
4,5	●▲							
6,5	●▲	●▲	●▲	●▲	●			
9,5	●▲	●▲	●▲	●▲	●▲	●▲		
13	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
16	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
19	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
22	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
25	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
28				●▲				
32		●▲	●▲	●▲	●▲	●▲	●▲	●▲
35						●▲		
38			●▲	●▲	●▲	●▲	●▲	●▲
42							●▲	
45			●▲	●▲	●▲	●▲	●▲	●▲
50			●▲	●▲	●▲	●▲	●▲	●▲
55						●▲	●▲	
60			●▲	●▲	●▲	●▲	●▲	●▲
70			●▲	●▲	●▲	●▲	●▲	●▲
80					●▲	●▲	●▲	●▲
90						●▲	●▲	●▲
100					●	●▲	●▲	●▲
110						●▲		
120						●▲	●▲	●▲
 [szt./pc.]	1000	1000	1000 l >= 45 500	1000 l >= 38 500	1000 l >= 32 500 l >= 50 200	1000 l >= 25 500 l >= 45 200	1000 l >= 25 500 l >= 45 200	500 l >= 25 200
dk	4,3	5,5	6,8	7,5	8,1	9,5	10,8	12,4
k	1,8	2,2	2,6	2,8	3,05	3,55	3,95	4,55
m	2,6	3	4,2	4,4	4,6	5	6,5	7,1
Prowadzenie	PH1	PH1	PH2	PH2	PH2	PH2	PH3	PH3

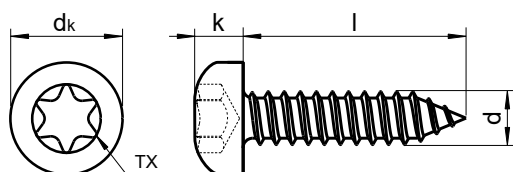
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ14585

BLACHOWKRĘTY Z ŁBEM PŁASKO-SOCZEWK. Z GNIAZ. TORX

Pan head tapping screws, six lobe drive

DIN	7981 TX
ISO	14585
PN-EN ISO	14585



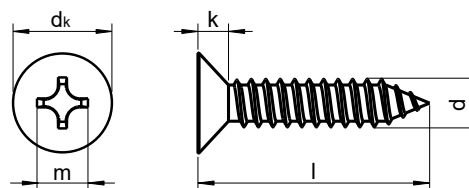
l	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
4,5	● ▲							
6,5	● ▲	● ▲	● ▲	● ▲				
9,5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
13	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
19	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
28				● ▲				
32		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35						● ▲		
38			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
42							● ▲	
45			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55						● ▲	● ▲	
60			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
65							▲	
70			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80					● ▲	● ▲	● ▲	● ▲
90						● ▲	● ▲	● ▲
100						● ▲	● ▲	● ▲
110						● ▲		
120						● ▲	● ▲	● ▲
 [szt./pc.]	1000	1000	1000 l >= 45 500	1000 l >= 38 500	1000 l >= 32 500 l >= 50 200	1000 l >= 25 500 l >= 45 200	1000 l >= 25 500 l >= 45 200	500 l >= 25 200
dk	4,3	5,6	7	7,5	8	9,5	11	12
k	1,8	2,4	2,6	2,85	3,1	3,7	4	4,6
Prowadzenie	TX6	TX10	TX15	TX15	TX20	TX25	TX25	TX30

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

BLACHOWKRĘTY Z ŁBEM STOŻKOWO-PŁASKIM PH

Cross recessed countersunk head tapping screws - H

EZ7982



DIN	7982 C-H
ISO	7050
PN/M	83114
PN-EN ISO	7050

l	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
4,5	● ▲							
6,5	● ▲	● ▲	● ▲	● ▲				
9,5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
13	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
19	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
28				● ▲				
32		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35						● ▲		
38			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
42							● ▲	
45			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55						● ▲	● ▲	
60			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80					● ▲	● ▲	● ▲	● ▲
90						● ▲	● ▲	● ▲
100						● ▲	● ▲	● ▲
110						● ▲		
120						● ▲	● ▲	● ▲
 [szt./pc.]	1000	1000	1000 l >= 45 500	1000 l >= 38 500	1000 l >= 32 500 l >= 50 200	1000 l >= 25 500 l >= 45 200	1000 l >= 25 500 l >= 45 200	500 l >= 25 200
dk	4,3	5,5	6,8	7,5	8,1	9,5	10,8	12,4
k	1,3	1,7	2,1	2,3	2,5	3	3,4	3,8
m	2,5	3	4,2	4,6	4,7	5,1	6,8	7,1
Prowadzenie	PH1	PH1	PH2	PH2	PH2	PH2	PH3	PH3

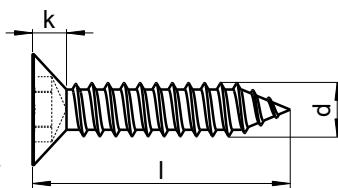
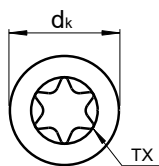
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ14586

BLACHOWKRĘTY Z ŁBEM STOŻKOWO-PŁASKIM Z GNIAZ. TORX

Countersunk head tapping screws, six lobe drive

DIN	7982 TX
ISO	14586
PN-EN ISO	14586



l	2,2	2,9	3,5	3,9	4,2	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
4,5	● ▲							
6,5	● ▲	● ▲	● ▲	● ▲				
9,5	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲		
13	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
16	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
19	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
22	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
28				● ▲				
32		● ▲	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35						● ▲		
38			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
42							● ▲	
45			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55						● ▲	● ▲	
60			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
70			● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
80					● ▲	● ▲	● ▲	● ▲
90						● ▲	● ▲	● ▲
100						● ▲	● ▲	● ▲
110						● ▲		
120						● ▲	● ▲	● ▲
 [szt./pc.]	1000	1000	1000 l >= 45 500	1000 l >= 38 500	1000 l >= 32 500 l >= 50 200	1000 l >= 25 500 l >= 45 200	1000 l >= 25 500 l >= 45 200	500 l >= 25 200
dk	4,3	5,5	7,3	7,85	8,4	9,3	10,3	11,3
k	1,3	1,7	2,35	2,45	2,6	2,8	3	3,15
Prowadzenie	TX6	TX10	TX15	TX15	TX20	TX25	TX25	TX30

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

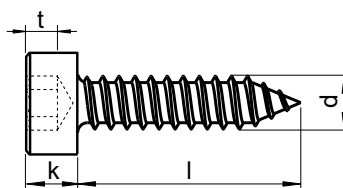
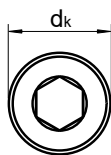
BLACHOWKRĘTY Z ŁBEM WALCOWYM GNIAZDO 6-KĄT

Tapping screws with head according to DIN 912

EZ9051

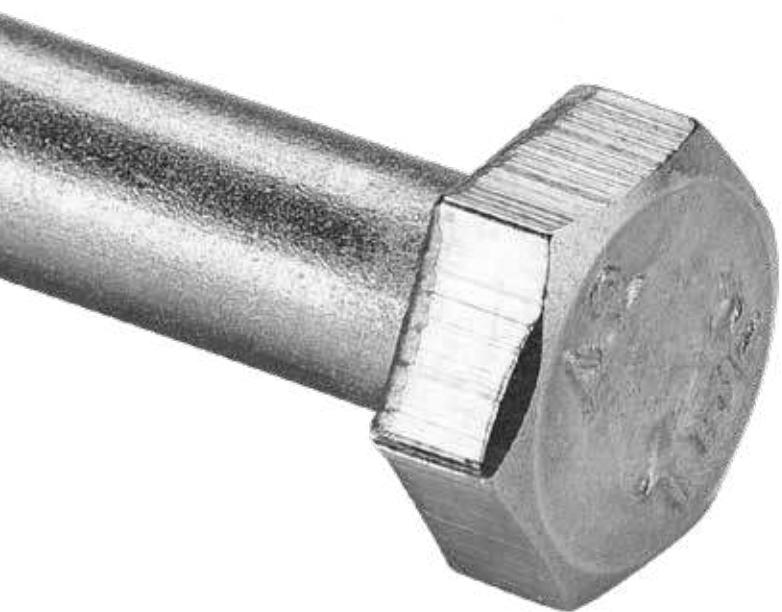
Art. nr

9051



l	4,8	5,5	6,3
[mm]	[mm]	[mm]	[mm]
9,5	● ▲		
13	● ▲	● ▲	● ▲
16	● ▲	● ▲	● ▲
19	● ▲	● ▲	● ▲
22	● ▲	● ▲	● ▲
25	● ▲	● ▲	● ▲
30	● ▲	● ▲	● ▲
32	● ▲	● ▲	● ▲
35	● ▲	● ▲	● ▲
38	● ▲	● ▲	● ▲
40	● ▲	● ▲	● ▲
42	● ▲	● ▲	● ▲
45	● ▲	● ▲	● ▲
50	● ▲	● ▲	● ▲
55	● ▲	● ▲	● ▲
60	● ▲	● ▲	● ▲
65	● ▲	● ▲	● ▲
70	● ▲	● ▲	● ▲
75	● ▲	● ▲	● ▲
80	● ▲	● ▲	● ▲
90	● ▲	● ▲	● ▲
100	● ▲	● ▲	● ▲
 [szt./pc.]	500 l >= 50 200	500 l >= 50 200	200 l >= 16 500 l >= 50 200
dk	8,5	10	10
k	5	6	6
t	2,92	3,4	3,4
Prowadzenie	SW 4	SW 5	SW 5

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



WKRETY DO DREWNA I TARASOWE

WOOD SCREWS AND TERRACE SCREWS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

		normy standards	kod podgrupy subgroup code	str. page
	WKRETY DO DREWNA I TARASOWE WOOD SCREWS AND TERRACE SCREWS			
	Wkręty do drewna z łbem sześciokątnym Hexagon head wood screws	DIN 571 PN 82501	EZ05712 EZ05714	61
	Wkręty do płyt wiórowych z łbem płasko-soczewkowym PZ Cross recessed pan head chipboardscrews Z	Art. nr 9048	EZ90482	62
	Wkręty do płyt wiórowych z łbem stożkowo-płaskim PZ Cross recessed countersunk chipboardscrews Z	Art. nr 9050	EZ90502 EZ90504	63
	Wkręty tarasowe do drewna twardego z końcem tnącym i gniazdem TX Hardwood screws with cutting point and TX socket	Art. nr 9242	EZ92422 EZ92424	64

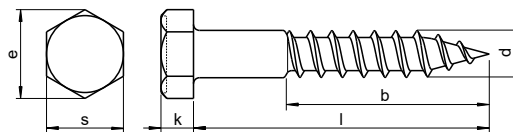
EZ0571

WKRĘTY DO DREWNA Z ŁBEM SZEŚCIOKĄTNYM

Hexagon head wood screws

DIN	571
PN/M	82501

b = wg normy
b = at Norm



l	4	5	6	7	8	10	12	16
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
20	●▲	●▲						
25	●▲	●▲	●▲		●▲			
30	●▲	●▲	●▲	●▲	●▲			
35	●▲	●▲	●▲	●▲	●▲			
40	●▲	●▲	●▲	●▲	●▲	●▲		
45	●▲	●▲	●▲	●▲	●▲	●▲		
50		●▲	●▲	●▲	●▲	●▲	●▲	●▲
55			●▲		●▲	●▲		
60		●▲	●▲	●▲	●▲	●▲	●▲	●▲
65			●▲		●▲	●▲	●▲	
70		●▲	●▲	●▲	●▲	●▲	●▲	●▲
75			●▲		●▲	●▲	●▲	
80		●▲	●▲	●▲	●▲	●▲	●▲	●▲
90		●▲	●▲	●▲	●▲	●▲	●▲	●▲
100			●▲	●▲	●▲	●▲	●▲	●▲
110			●▲	●▲	●▲	●▲	●▲	●▲
120			●▲	●▲	●▲	●▲	●▲	●▲
130			●▲	●▲	●▲	●▲	●▲	●▲
140			●▲	●▲	●▲	●▲	●▲	●▲
150				●▲	●▲	●▲	●▲	●▲
160				●	●▲	●▲	●▲	●▲
170				●				
180				●	●▲	●▲	●▲	●▲
190				●				
200					●▲	●▲	●▲	●▲
210				●				
220						●▲	●▲	
240						●▲	●▲	
250							●▲	
260						●▲	●▲	
280						●▲	●▲	
300						●▲	●▲	
 [szt./pc.]	200	200	200 l >= 65 100	200 l >= 50 100	100 l >= 140 50	100 l >= 90 50 l >= 260 25	100 l >= 70 50 l >= 110 25	25
k	2,8	3,5	4	5	5,5	7	8	10
e	7,5	8,63	10,89	13,07	14,2	18,72	20,88	26,17
Prowadzenie	SW 7	SW 8	SW 10	SW 12	SW 13	SW 17	SW 19	SW 24

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

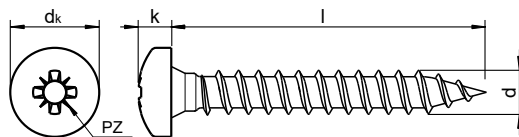
WKRETY DO PŁYT WIÓROWYCH Z ŁBEM PŁASKO-SOCZEWK. PZ

Cross recessed pan head chipboardscrews, Z

EZ9048

Art. nr

9048



l	3	3,5	4	4,5	5	6
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
10	●	●	●			
12	●	●	●	●		
16	●	●	●	●	●	
20	●	●	●	●	●	●
25	●	●	●	●	●	●
30	●	●	●	●	●	●
35	●	●	●	●	●	●
40	●	●	●	●	●	●
45		●	●	●	●	●
50		●	●	●	●	●
55			●	●	●	●
60			●	●	●	●
65			●	●	●	●
70			●	●	●	●
80				●	●	●
90					●	●
100					●	●
110						●
 [szt./pc.]	500	500 l >= 40 200	500 l >= 40 200	500 l >= 40 200	500 l >= 40 200 l >= 60 100	100
dk	6	7	8	9	10	12
k	2,5	2,6	3	3,1	3,7	4,7
Prowadzenie	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3

● - asortyment A2 w ofercie / product A2 in offer

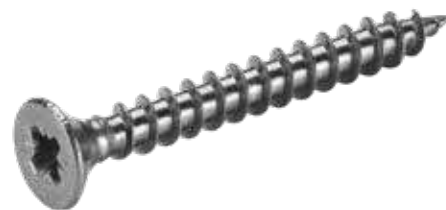
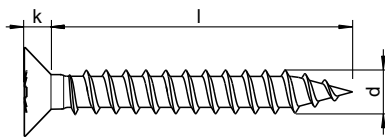
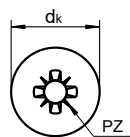
EZ9050

WKRETY DO PŁYT WIÓROWYCH Z ŁBEM STOŻKOWO-PŁASKIM PZ

Cross recessed countersunk chipboardscrews, Z

Art. nr

9050



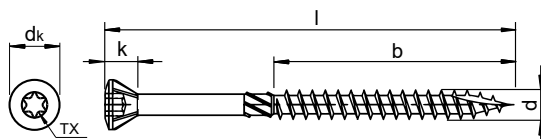
l	3	3,5	4	4,5	5	6
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
10	● ▲	● ▲	● ▲			
12	● ▲	● ▲	● ▲	● ▲		
15						
16	● ▲	● ▲	● ▲	● ▲	● ▲	
20	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
25	● ▲	● ▲	● ▲	●	● ▲	● ▲
30	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
35	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
40	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
45	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
50	● ▲	● ▲	● ▲	● ▲	● ▲	● ▲
55			● ▲	● ▲	● ▲	● ▲
60			● ▲	● ▲	● ▲	● ▲
65			● ▲	● ▲	● ▲	● ▲
70			● ▲	● ▲	● ▲	● ▲
80			● ▲	● ▲	● ▲	● ▲
90				● ▲	● ▲	● ▲
100				● ▲	● ▲	● ▲
 [szt./pc.]	500 l >= 40 200	500 l >= 40 200	500 l >= 40 200	500 l >= 40 200	500 l >= 40 200 l >= 60 100	100
dk	6	7	8	9	10	12
k	1,9	2,1	2,5	2,7	3	3,6
Prowadzenie	PZ1	PZ2	PZ2	PZ2	PZ2	PZ3

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

WKRETY TARASOWE DO DREWNA Z KOŃC. TNĄC. I GNIAZD. TX

Hardwood screws with cutting point and TX socket

EZ9242



Art. nr

9242

l / b	3,2	4	4,5	5
[mm]	[mm]	[mm]	[mm]	[mm]
25 / 17	▲			
30 / 18	▲	● ▲		
35 / 24	▲	● ▲		
40 / 24	▲	● ▲	● ▲	● ▲
45 / 30		● ▲	● ▲	● ▲
50 / 30	▲	● ▲	● ▲	● ▲
60 / 36	▲	● ▲	● ▲	● ▲
70 / 42			● ▲	● ▲
80 / 48			● ▲	● ▲
90 / 54				● ▲
100 / 60				● ▲
📦 [szt./pc.]	200	200	200	200
dk	5	6	7	7,5
k	2	2,75	3,35	3,45
Prowadzenie	TX10	TX15	TX20	TX25

● - asortyment 1.4006 w ofercie / product 1.4006 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



NAKRETKI

METAL NUTS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

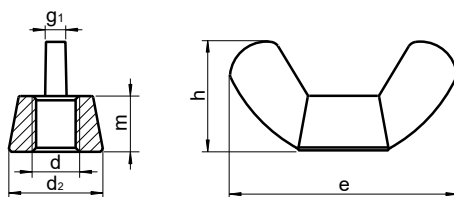
		normy standards	kod podgrupy subgroup code	str. page
	NAKRĘTKI METAL NUTS			
	Nakrętki skrzydełkowe Wing nuts, american type	Art. nr 315 DIN 315	EZ03152 EZ03154	67
	Nakrętki sześciokątne niskie Hexagon thin nuts	DIN 439 ISO 4035	EZ04392 EZ04394	68
	Nakrętki kwadratowe Square nuts	DIN 557 PN 82151	EZ05572 EZ05574	69
	Nakrętki z uchem Lifting eye nuts	Art. nr 582 DIN 582	EZ05822 EZ05824	70
	Nakrętki sześciokątne Hexagon nuts	DIN 934 ISO 4032	EZ09342 EZ09344	71
	Nakrętki samohamowne metalowe Prevailing torque type hexagon nuts	Art. nr 980 ISO 7042	EZ09802 EZ09804	72
	Nakrętki samohamowne wysokie z wkładką poliamidową Prevailing torque type hexagon nuts, high type	DIN 982 ISO 7040	EZ09822 EZ09824	73
	Nakrętki samohamowne z wkładką poliamidową Prevailing torque type hexagon nuts, low type	DIN 985 ISO 10511	EZ09852 EZ09854	74
	Nakrętki kołpakowe samohamowne z wkładką poliamidową Prevailing torque type hexagon domed cap nuts	DIN 986	EZ09862 EZ09864	75
	Nakrętki kołpakowe Hexagon domed cap nuts, high type	DIN 1587 PN 82181	EZ15872 EZ15874	76
	Nakrętki wysokie m=3d Hexagon nuts, m=3d	DIN 6334	EZ63342 EZ63344	77
	Nakrętki sześciokątne z kotnierzem - ząbkowane Hexagon flange nuts with serration	DIN 6923 PN-EN 1661	EZ69232 EZ69234	78
	Nakrętki sześciokątne z kotnierzem - gładkie Hexagon flange nuts without serration	DIN 6923 PN-EN 1661	EZ692320 EZ692340	79

EZ0315

NAKRĘTKI SKRZYDEŁKOWE

Wing nuts, american type

Art. nr 315



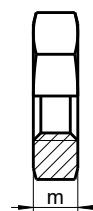
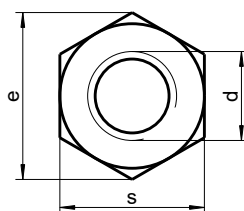
d	m	h	d ₂	g ₁	e	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
3	3,2 ±0,5	8,5 ±1,8	7,8 ±0,8	2,0 ±0,15	18,5 ±1,8	● ▲	500
4	3,2 ±0,5	8,5 ±1,8	7,8 ±0,8	2,0 ±0,15	18,5 ±1,8	● ▲	500
5	4,0 ±0,5	10,5 ±1,8	9,8 ±1,0	2,6 ±0,20	22,0 ±1,8	● ▲	500
6	4,6 ±0,7	12,9 ±1,8	11,9 ±1,0	3,0 ±0,20	27,0 ±1,8	● ▲	200
8	5,4 ±0,7	14,8 ±1,8	13,8 ±1,0	3,3 ±0,20	30,0 ±1,8	● ▲	100
10	6,6 ±0,7	17,3 ±1,8	16,8 ±1,0	4,0 ±0,25	35,3 ±1,8	● ▲	100
12	7,9 ±0,7	22,3 ±1,8	20,5 ±1,0	5,0 ±0,25	47,5 ±1,8	● ▲	50
14	10,6 ±0,7	30,8 ±1,8	25,0 ±1,0	6,5 ±0,25	65,0 ±1,8	● ▲	50
16	10,6 ±0,7	30,8 ±1,8	25,0 ±1,0	6,5 ±0,25	65,0 ±1,8	● ▲	25
18	12,2 ±0,7	31,2 ±1,8	29,3 ±1,0	7,2 ±0,30	66,5 ±1,8	● ▲	10
20	12,2 ±0,7	31,2 ±1,8	29,3 ±1,0	7,2 ±0,30	66,5 ±1,8	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NAKRĘTKI SZEŚCIOKĄTNE NISKIE

Hexagon thin nuts

EZ0439



DIN	439
ISO	4035
PN/M	82153
PN-EN ISO	4035

P = skok gwintu
P = the thread pitch

d	P	m	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
1,6	0,35	1	3,48	SW 3,2	● ▲	1000
1,7	0,4	1,1	3,48	SW 3,2	● ▲	500
2	0,4	1,2	4,32	SW 4	● ▲	1000
2,3	0,52	1,2	5,2	SW 4,5	● ▲	1000
2,5	0,56	1,6	5,45	SW 5	● ▲	1000
2,6	0,56	1,6	5,8	SW 5	● ▲	1000
3	0,5	1,8	6,01	SW 5,5	● ▲	1000
3,5	0,6	2	6,44	SW 6	● ▲	1000
4	0,7	2,2	7,86	SW 7	● ▲	1000
5	0,8	2,7	8,79	SW 8	● ▲	1000
6	1	3,2	11,05	SW 10	● ▲	1000
8	1,25	4	14,38	SW 13	● ▲	500
10	1,5	5	18,9	SW 17	● ▲	200
12	1,75	6	21,1	SW 19	● ▲	200
14	2	7	24,49	SW 22	● ▲	100
16	2	8	26,75	SW 24	● ▲	100
18	2,5	9	29,65	SW 27	● ▲	50
20	2,5	10	32,95	SW 30	● ▲	50
22	2,5	11	35,03	SW 32	● ▲	25
24	3	12	39,55	SW 36	● ▲	25
27	3	13,5	45,2	SW 41	● ▲	25
30	3,5	15	50,85	SW 46	● ▲	25
33	3,5	16,5	55,37	SW 50	● ▲	10
36	4	18	60,79	SW 55	● ▲	10
39	4	19,5	66,44	SW 60	● ▲	10
42	4,5	21	71,3	SW 65	● ▲	10
45	4,5	22,5	76,95	SW 70	● ▲	10
48	5	24	82,6	SW 75	● ▲	10
52	5	26	88,25	SW 80	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



Na zamówienie dostępne są również:
Also available on request:

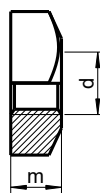
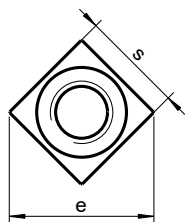
- nakrętki niskie sześciokątne z gwintem drobnozwojowym
hexagon thin nuts with fine thread
- nakrętki niskie sześciokątne z gwintem drobnozwojowym lewoskrętnym
hexagon thin nuts with left-hand thread

EZ0557

NAKRĘTKI KWADRATOWE

Square nuts

DIN	557
PN/M	82151



d	e	m	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]		[szt./pc.]
5	11,3	4	SW 8	● ▲	200
6	14,1	5	SW 10	● ▲	200
8	18,4	6,5	SW 13	● ▲	200
8 Gleitmo	18,4	6,5	SW 13	●	200
10	24	8	SW 17	● ▲	100
12	26,9	10	SW 19	● ▲	100
16	33,9	13	SW 24	● ▲	100

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

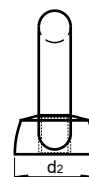
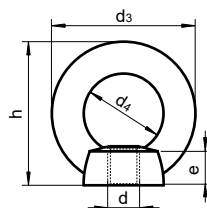
NAKRĘTKI Z UCHEM

Lifting eye nuts

EZ0582

Art. nr

582



d	d ₂	d ₃	d ₄	h	e	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
6	16	27	16	31	8	● ▲	25
8	20	36	20	36	8,5	● ▲	25
10	25	45	25	45	10	● ▲	25
12	30	53	30	53	11	● ▲	10
16	35	63	35	62	13	● ▲	10
20	40	72	40	71	16	● ▲	10
24	50	90	50	90	20	● ▲	5
27	65	108	60	109	22	● ▲	5
30	65	108	60	109	25	● ▲	5
36	75	126	70	128	30	● ▲	1

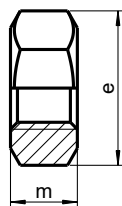
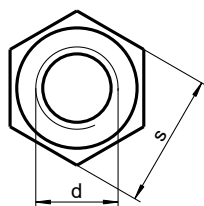
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ0934

NAKRĘTKI SZEŚCIOKĄTNE

Hexagon nuts

DIN	934
ISO	4032
PN/M	82144
PN-EN ISO	4032



P = skok gwintu
P = the thread pitch

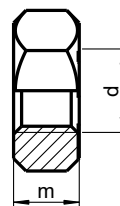
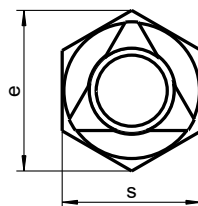
d	P	m	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
1	0,25	0,8	2,71	SW 2,5	● ▲	200
1,2	0,25	1	3,28	SW 3	● ▲	200
1,4	0,3	1,2	3,28	SW 3	● ▲	200
1,6	0,35	1,3	3,48	SW 3,2	● ▲	1000
1,7	0,35	1,4	3,82	SW 3,2	● ▲	1000
1,8	0,35	1,4	4,21	SW 3,5	● ▲	500
2	0,4	1,6	4,32	SW 4	● ▲	1000
2,3	0,4	1,8	4,88	SW 4,5	● ▲	1000
2,5	0,45	2	5,45	SW 5	● ▲	1000
2,6	0,45	2	5,45	SW 5	● ▲	1000
3	0,5	2,4	6,01	SW 5,5	● ▲	1000
3,5	0,6	2,8	6,58	SW 6	● ▲	1000
4	0,7	3,2	7,66	SW 7	● ▲	1000
5	0,8	4	8,79	SW 8	●	1000
6	1	5	11,05	SW 10	●	1000
7	1	5,5	12,12	SW 11	●	500
8	1,25	6,5	14,38	SW 13	●	500
10	1,5	8	18,9	SW 17	●	200
12	1,75	10	21,1	SW 19	●	200
14	2	11	24,49	SW 22	●	100
16	2	13	26,75	SW 24	●	100
18	2,5	15	29,56	SW 27	●	50
20	2,5	16	32,95	SW 30	●	50
22	2,5	18	35,03	SW 32	●	25
24	3	19	39,55	SW 36	●	25
27	3	22	45,2	SW 41	●	25
30	3,5	24	50,85	SW 46	● ▲	25
30 A2-70	3,5	24	50,85	SW 46	●	25
33	3,5	26	55,37	SW 50	● ▲	10
33 A2-70	3,5	26	55,37	SW 50	●	10
36	4	29	60,79	SW 55	● ▲	10
36 A2-70	4	29	60,79	SW 55	●	10
39	4	31	66,44	SW 60	● ▲	10
39 A2-70	4	31	66,44	SW 60	●	10
42	4,5	34	71,3	SW 65	● ▲	10
42 A2-70	4,5	34	71,3	SW 65	●	10
45	4,5	36	76,95	SW 70	● ▲	10
48	5	38	82,6	SW 75	● ▲	10
52	5	42	88,25	SW 80	● ▲	5

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NAKRĘTKI SAMOHAMOWNE METALOWE

Prevailing torque type hexagon nuts

EZ0980



Art. nr	980
PN/M	82176
PN-EN ISO	7042

d	m	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]		[szt./pc.]
2,5	2	5,45	SW 5	●	200
3	2,4	6,01	SW 5,5	● ▲	200
4	3,2	7,66	SW 7	● ▲	200
5	4	8,79	SW 8	● ▲	200
6	5	11,05	SW 10	● ▲	200
7	5,5	12,12	SW 11	●	200
8	6,5	14,38	SW 13	● ▲	200
10	8	18,9	SW 17	● ▲	100
12	10	21,1	SW 19	● ▲	100
14	11	24,49	SW 22	● ▲	50
16	13	26,75	SW 24	● ▲	50
18	15	29,56	SW 27	● ▲	50
20	16	32,95	SW 30	● ▲	50
22	18	35,03	SW 32	●	25
24	19	39,55	SW 36	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



Nakrętki samohamowne / samokontrujące, wykonane w całości ze stali A2 lub A4, to nakrętki do stosowania tam, gdzie istnieje ryzyko zaistnienia wysokich temperatur.

Self-locking / self-locking nuts, made entirely of A2 or A4 steel, are nuts for use where there is a risk of high temperatures.

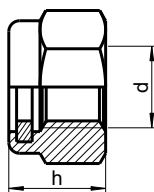
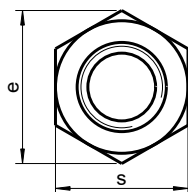
EZ0982

NAKRĘTKI SAMOHAMOWNE WYSOKIE Z WKŁ. POLIAMIDOWĄ

Prevailing torque type hexagon nuts, high type

DIN	982
ISO	7040
PN-EN ISO	7040

P = skok gwintu
P = the thread pitch



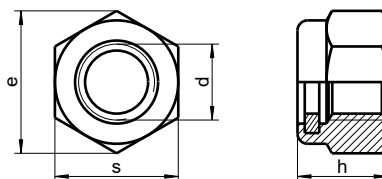
d	e	h	P	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
4	7,66	4,7	0,7	SW 7	●	200
5	8,79	6,3	0,8	SW 8	● ▲	200
6	11,05	8	1	SW 10	● ▲	200
8	14,38	9,5	1,25	SW 13	● ▲	200
10	18,9	11,5	1,5	SW 17	● ▲	100
12	21,1	14	1,75	SW 19	● ▲	50
14	24,49	16	2	SW 22	●	50
16	26,75	18	2	SW 24	● ▲	50
20	32,95	22	2,5	SW 30	● ▲	25
24	39,55	28	3	SW 36	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NAKRĘTKI SAMOHAMOWNE Z WKŁADKĄ POLIAMIDOWĄ

Prevailing torque type hexagon nuts, low type

EZ0985



DIN	985
PN/M	82175
PN-EN ISO	10511

P = skok gwintu
P = the thread pitch

d	P	e	h	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
2,5	0,5	5,5	3,5	SW 5	● ▲	500
3	0,5	6,01	4	SW 5,5	● ▲	500
4	0,7	7,66	5	SW 7	● ▲	500
5	0,8	8,79	5	SW 8	● ▲	500
6	1	11,05	6	SW 10	● ▲	500
8	1,25	14,38	8	SW 13	● ▲	500
10	1,5	18,9	10	SW 17	● ▲	200
12	1,75	21,1	12	SW 19	● ▲	200
14	2	24,49	14	SW 22	● ▲	200
16	2	26,75	16	SW 24	● ▲	100
18	2,5	29,56	18,5	SW 27	● ▲	50
20	2,5	32,95	20	SW 30	● ▲	50
22	2,5	35,03	22	SW 32	● ▲	25
24	3	39,55	24	SW 36	● ▲	25
27	3	45,2	27	SW 41	● ▲	25
30	3,5	50,85	30	SW 46	● ▲	25
33	3,5	55,37	33	SW 50	● ▲	10
36	4	60,79	36	SW 55	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

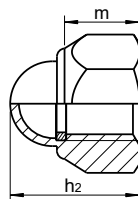
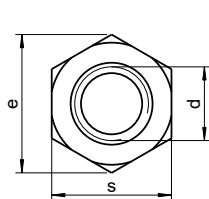
EZ0986

NAKRĘTKI KOŁPAKOWE SAMOHAMOWNE Z WKŁAD. POLIAMID.

Prevailing torque type hexagon domed cap nuts

DIN

986



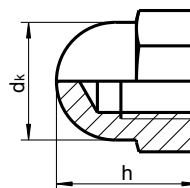
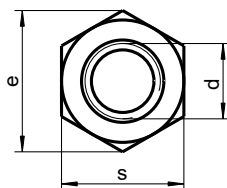
d	m	h ₂	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
4	2,9	9,6	7,66	SW 7	● ▲	200
5	4,4	10,5	8,79	SW 8	● ▲	200
6	4,9	12	11,05	SW 10	● ▲	200
8	6,44	14	14,38	SW 13	● ▲	100
10	8,04	18,1	18,9	SW 17	● ▲	100
12	10,37	22,5	21,1	SW 19	● ▲	50
14	12,1	26,4	24,49	SW 22	● ▲	50
16	14,1	27,5	26,75	SW 24	● ▲	50
20	16,9	35	32,95	SW 30	● ▲	25

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NAKRĘTKI KOŁPAKOWE

Hexagon domed cap nuts, high type

EZ1587



DIN	1587
PN/M	82181

P = skok gwintu
P = the thread pitch

d	P	h	dk	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
3	0,5	7	5,5	6,01	SW 5,5	● ▲	500
4	0,7	8	6,5	7,5	SW 7	● ▲	500
5	0,8	10	7,5	8,63	SW 8	● ▲	500
6	1	12	9,5	10,89	SW 10	● ▲	500
7	1,25	15	12,5	14,2	SW 10	▲	200
8	1,25	15	12,5	14,2	SW 13	● ▲	200
10	1,5	18	15	17,59	SW 17	● ▲	100
12	1,75	22	17	19,85	SW 19	● ▲	100
14	2	25	20	22,78	SW 22	● ▲	50
16	2	28	23	26,17	SW 24	● ▲	50
18	2,5	32	26	29,56	SW 27	● ▲	25
20	2,5	34	28	32,95	SW 30	● ▲	25
22	2,5	39	33	35,03	SW 34	● ▲	10
24	3	42	34	39,55	SW 36	● ▲	10
27	3	47	40	47,3	SW 41	● ▲	10
30	3,5	52	42	52	SW 46	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

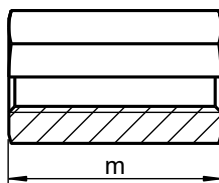
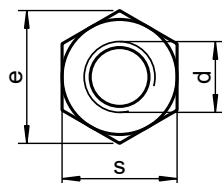
EZ6334

NAKRĘTKI WYSOKIE M=3D

Hexagon nuts, m=3d

DIN

6334



d	m	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]		[szt./pc.]
5	15	9	SW 8	● ▲	100
6	18	11,1	SW 10	● ▲	100
8	24	15	SW 13	● ▲	100
10	30	19,6	SW 17	● ▲	100
12	36	21,9	SW 19	● ▲	50
14	42	24,5	SW 22	● ▲	50
16	48	27,7	SW 24	● ▲	50
20	60	34,6	SW 30	● ▲	10
24	72	41,6	SW 36	● ▲	10
27	81	45,2	SW 41	● ▲	10
30	90	53,1	SW 46	● ▲	10
33	99	55,37	SW 50	● ▲	10
36	108	60,79	SW 55	● ▲	10

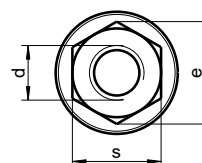
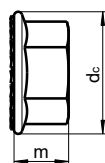
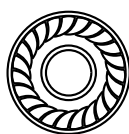
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NAKRĘTKI SZEŚCIOKĄTNE Z KOŁNIERZEM - ZĄBKOWANE

Hexagon flange nuts with serration

EZ69232

EZ69234



DIN

6923

PN/M

1661

d	m	d _c	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
3	3,8	7,8	6,33	SW 6	● ▲	500
4	4,65	10	7,66	SW 7	● ▲	500
5	5	11,8	8,79	SW 8	● ▲	500
6	6	14,2	11,05	SW 10	● ▲	200
8	8	17,9	14,38	SW 13	● ▲	100
8 Gleitmo	8	17,9	14,38	SW 13	●	100
10	10	21,8	16,64	SW 15	● ▲	100
10 Gleitmo	10	21,8	16,64	SW 15	●	100
12	12	26	20,03	SW 18	● ▲	100
12 Gleitmo	12	26	20,03	SW 18	●	50
16	16	34,5	26,75	SW 24	● ▲	50

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

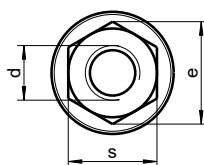
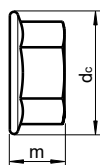
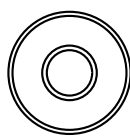
EZ692320

EZ692340

NAKRĘTKI SZEŚCIOKĄTNE Z KOŁNIERZEM - GŁADKIE

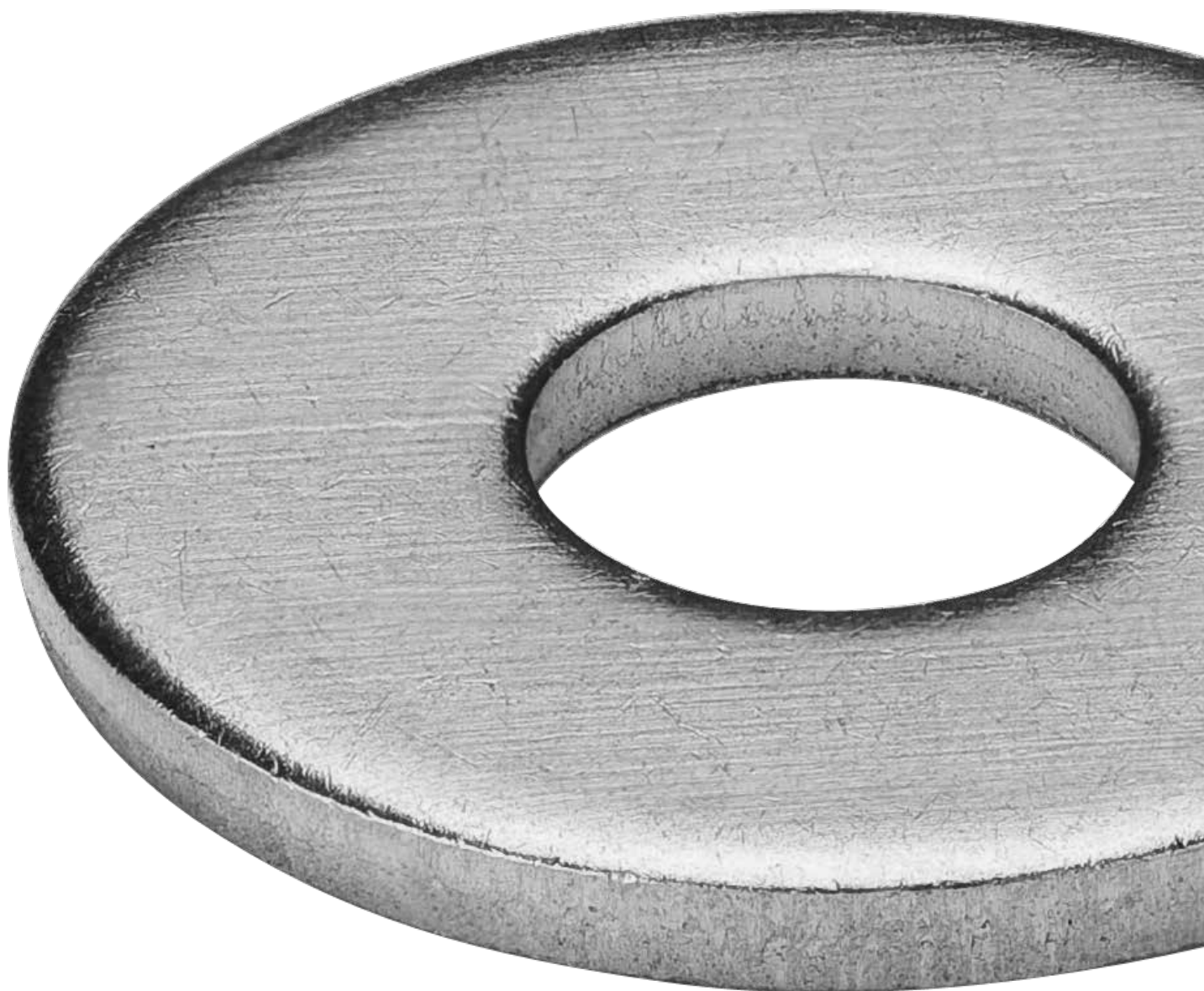
Hexagon flange nuts without serration

DIN	6923
PN/M	1661



d	m	d _c	e	s	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
4	4,65	10	7,66	SW 7	● ▲	500
5	5	11,8	8,79	SW 8	● ▲	500
6	6	14,2	11,05	SW 10	● ▲	200
8	8	17,9	14,38	SW 13	● ▲	100
10	10	21,8	16,64	SW 15	● ▲	100
12	12	26	20,03	SW 18	● ▲	100

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer





PODKŁADKI PIERŚCIENIE OSADCZE

WASHERS AND RETAINING RINGS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

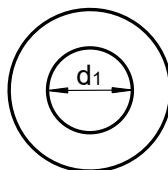
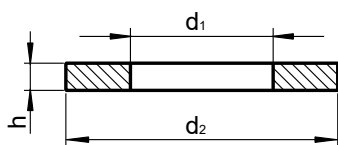
		normy standards	kod podgrupy subgroup code	str. page
	PODKŁADKI I PIERŚCIEŃNIE OSADCZE WASHERS AND RETAINING RINGS			
	Podkładki okrągłe płaskie Plain washers	DIN 125 ISO 7089	EZ01252 EZ01254	83
	Podkładki sprężyste Spring lock washers	DIN 127 B PN 82008	EZ01272 EZ01274	84
	Podkładki powiększone do drewna Washers, especially for wood constructions	DIN 440 R ISO 7094	EZ04402 EZ04404	85
	Podkładki powiększone do drewna Washers, especially for wood constructions	DIN 440 V ISO 7094	EZ044020 EZ044040	85
	Podkładki okrągłe powiększone x3 Washers with outside diameter ~3 x nominal thread diameter	DIN 9021 ISO 7093-1	EZ90212 EZ90214	86
	Podkładki z uszczelką EPDM (z neoprenem) Sealing washers	Art. 9055	EZ90552 EZ90554	87
	Rozetki / podkładki stożkowe pełnometalowe Rosetten turned full body 90°	NF E 27-619	EZ276190 EZ276192 EZ276194	88
	Podkładki ząbkowane zewnętrznie Toothed lock washers outside	DIN 6797 A PN/M 82024	EZ679720 EZ679740	89
	Podkładki ząbkowane wewnętrznie Toothed lock washers inside	DIN 6797 J PN/M 82023	EZ67972 EZ67974	89
	Podkładki gwiazdkowe zewnętrzne Serrated lock washers outside	DIN 6798 A	EZ679820 EZ679840	90
	Podkładki gwiazdkowe wewnętrzne Serrated lock washers inside	DIN 6798 J	EZ67982 EZ67982	90
	Pierścienie osadcze zewnętrzne Retaining rings for shafts	DIN 471 A PN 85111	EZ04712 EZ04714	91
	Pierścienie osadcze wewnętrzne Retaining rings for bars	DIN 472 J PN 85111	EZ04722 EZ04724	92

EZ0125

PODKŁADKI OKRĄGŁE DOKŁADNE

Plain washers

DIN	125
ISO	7089
PN/M	82006
PN-EN ISO	7089



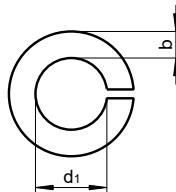
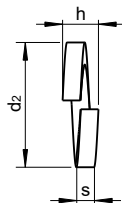
d ₁	pod śrubę	d ₂	h	asortyment w ofercie	
[mm]		[mm]	[mm]		[szt./pc.]
1,7	M 1,6	4	0,3	● ▲	2000
1,8	M 1,7	4,5	0,3	● ▲	2000
2,2	M 2	5	0,3	● ▲	2000
2,5	M 2,3	6	0,5	● ▲	2000
2,7	M 2,5	6	0,5	● ▲	2000
2,8	M 2,6	7	0,5	● ▲	2000
3,2	M 3	7	0,5	● ▲	1000
3,7	M 3,5	8	0,5	● ▲	1000
4,3	M 4	9	0,8	● ▲	1000
5,3	M 5	10	1	● ▲	1000
6,4	M 6	12	1,6	● ▲	1000
7,4	M 7	14	1,6	● ▲	1000
8,4	M 8	16	1,6	● ▲	500
10,5	M 10	20	2	● ▲	500
13	M 12	24	2,5	● ▲	200
15	M 14	28	2,5	● ▲	200
17	M 16	30	3	● ▲	200
19	M 18	34	3	● ▲	200
21	M 20	37	3	● ▲	200
23	M 22	39	3	● ▲	100
25	M 24	44	4	● ▲	100
28	M 27	50	4	● ▲	50
31	M 30	56	4	● ▲	50
34	M 33	60	5	● ▲	25
37	M 36	66	5	● ▲	25
40	M 39	72	6	● ▲	25
43	M 42	78	7	● ▲	25
46	M 45	85	7	● ▲	10
50	M 48	92	8	● ▲	10
52	M 50	92	8	● ▲	10
54	M 52	98	8	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

PODKŁADKI SPRĘŻYSTE

Spring lock washers

EZ0127



DIN	127 B
PN/M	82008

d ₁	pod śrubę	d ₂	b	h	s	asortyment w ofercie	
[mm]		[mm]	[mm]	[mm]	[mm]		[szt./pc.]
2,1	M 2	4,4	0,9	1	0,5	■	1000
2,2	M 2,2	4,8	1	1,4	0,6	■ ▲	1000
2,6	M 2,5	5,1	1	1,4	0,6	■ ▲	1000
3,1	M 3	6,2	1,3	1,6	0,8	■ ▲	1000
3,5	M 3,5	6,7	1,3	1,6	0,8	■	1000
3,6	M 3,5	6,7	1,3	1,6	0,8	▲	1000
4,1	M 4	7,6	1,5	1,8	0,9	■ ▲	1000
5,1	M 5	9,2	1,8	2,4	1,2	■ ▲	1000
6,1	M 6	11,8	2,5	3,2	1,6	■ ▲	1000
7,1	M 7	12,8	2,5	3,2	1,6	■	1000
8,1	M 8	14,8	3	4	2	■ ▲	1000
10,2	M 10	18,1	3,5	4,4	2,2	■ ▲	1000
12,2	M 12	21,1	4	5	2,5	■ ▲	500
14,2	M 14	24,1	4,5	6	3	■ ▲	500
16,2	M 16	27,4	5	7	3,5	■ ▲	500
18,2	M 18	29,4	5	7	3,5	■ ▲	200
20,2	M 20	33,6	6	8	4	■ ▲	200
22,5	M 22	35,9	6	8	4	■ ▲	100
24,5	M 24	40	7	10	5	■ ▲	100
27,5	M 27	43	7	10	5	■ ▲	100
30,5	M 30	48,2	8	12	6	■ ▲	50
33,5	M 33	55,2	10	12	6	■ ▲	50
36,5	M 36	58,2	10	12	6	■ ▲	50
39,5	M 39	61,2	10	12	6	■ ▲	25
42,5	M 42	68,2	12	14	7	■ ▲	25
45,5	M 45	71,2	12	14	7	■ ▲	25
49	M 48	75	12	14	7	■ ▲	25

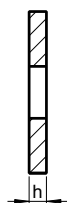
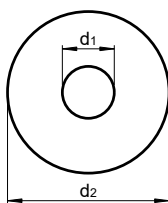
■ - asortyment stal 1.4310 w ofercie / product steel 1.4310 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ0440

PODKŁADKI POWIĘKSZONE DO DREWNA

Washers, especially for wood constructions

DIN	440 R
ISO	7094
PN/M	82019
PN-EN ISO	7094



d ₁	d ₂	h	asortyment w ofercie	
[mm]	[mm]	[mm]		[szt./pc.]
5,5	18	2	● ▲	200
6,6	22	2	● ▲	200
9	28	3	● ▲	200
11	34	3	● ▲	100
13,5	44	4	● ▲	100
15,5	50	4	● ▲	50
17,5	56	5	● ▲	50
22	72	6	● ▲	50
24	80	6	● ▲	25
26	85	6	● ▲	25

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

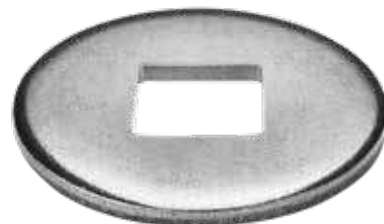
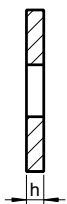
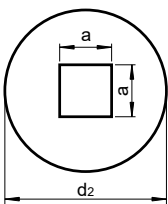
EZ044020

EZ044040

PODKŁADKI POWIĘKSZONE DO DREWNA

Washers, especially for wood constructions

DIN	440 V
ISO	7094
PN/M	82019
PN-EN ISO	7094



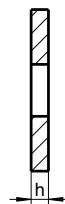
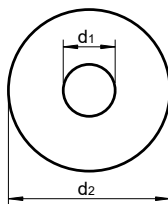
a	d ₂	h	asortyment w ofercie	
[mm]	[mm]	[mm]		[szt./pc.]
5,5	18	2	● ▲	100
6,6	22	2	● ▲	100
9	28	3	● ▲	100
11	34	3	● ▲	50
14	44	4	● ▲	50
18	56	5	● ▲	50
22	72	6	● ▲	25
26	85	6	● ▲	25

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

PODKŁADKI OKRĄGŁE POWIĘKSZONE X3

Washers with outside diameter ~3 x nominal thread diameter

EZ9021



DIN	9021
ISO	7093-1
PN-EN ISO	7093-1

d ₁	pod śrubę	d ₂	h	asortyment w ofercie	
[mm]		[mm]	[mm]		[szt./pc.]
2,2	M 2	6	0,8	● ▲	1000
2,7	M 2,5	8	0,8	● ▲	1000
3,2	M 3	9	0,8	● ▲	1000
3,7	M 3,5	11	0,8	● ▲	1000
4,3	M 4	12	1	● ▲	1000
5,3	M 5	15	1,2	● ▲	1000
6,4	M 6	18	1,8	● ▲	1000
7,4	M 7	22	2	● ▲	500
8,4	M 8	24	2	● ▲	500
10,5	M 10	30	2,5	● ▲	500
13	M 12	37	3	● ▲	200
15	M 14	44	3	● ▲	100
17	M 16	50	3	● ▲	100
20	M 18	56	4	● ▲	50
22	M 20	60	4	● ▲	50
26	M 24	72	5	● ▲	25
33	M 30	92	6	● ▲	25
39	M 36	110	8	● ▲	10

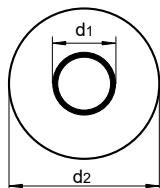
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ9055

PODKŁADKI Z USZCZELKĄ EPDM (Z NEOPRENEM)

Sealing washers

Art. nr 9055



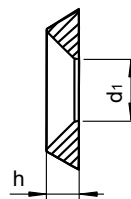
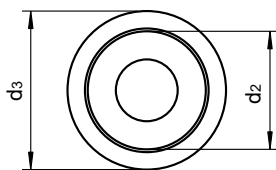
d ₁	d ₂	h ₁	h ₂	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]		[szt./pc.]
4,8	12	0,8	2	●	1000
4,8	14	0,8	2	●	1000
5,3	12	0,8	2	●	1000
5,3	14	0,8	2	●	1000
5,3	16	0,8	2	●	1000
5,3	19	0,8	2	●	1000
6,2	16	0,8	2	●	1000
6,7	16	0,8	2	●	1000
6,7	19	0,8	2	●	1000
6,7	22	0,8	2	●	1000
6,7	25	0,8	2	●	1000
6,7	29	0,8	2	●	500
8,4	16	0,8	2	●	1000
8,4	19	0,8	2	●	1000
8,4	22	0,8	2	●	1000
8,4	25	0,8	2	●	1000
8,4	29	0,8	2	●	500
10,5	25	0,8	2	●	1000
10,5	29	0,8	2	●	500
13	29	0,8	2	●	500

● - asortyment A2 w ofercie / product A2 in offer

PODKŁADKA STOŻKOWA, PEŁNOMETALOWA

Rosetten turned full body

EZ27619



NF E

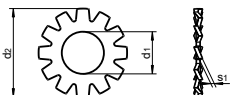
27-619

M	d ₁	d ₂	d ₃	h	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
3	3,5	6,5	9	2	■ ● ▲	200
4	4,5	8	11	2,5	■ ● ▲	200
5	5,5	10	14	3	■ ● ▲	200
6	7	12	16	3,5	■ ● ▲	100
8	9	16	22	4,5	■ ● ▲	100
10	11	20	28	5,5	■ ● ▲	50
12	14	24	32	6,5	■ ● ▲	50

■ - asortyment stal A1 w ofercie / product steel A1 in offer | ● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ6797

DIN	6797 A
PN/M	82024



EZ679720

EZ679740

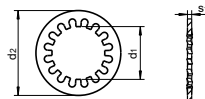
d1	pod śrubę	d2	S1	asortyment w ofercie	
[mm]		[mm]	[mm]		[szt./pc.]
2,2	M 2	4,5	0,3	● ▲	1000
2,5	M 2,3	5	0,4	● ▲	1000
2,7	M 2,5	5,5	0,4	● ▲	1000
3,2	M 3	6	0,4	● ▲	1000
3,7	M 3,5	7	0,5	● ▲	1000
4,3	M 4	8	0,5	● ▲	1000
5,1	M 5	9	0,5	● ▲	1000
5,3	M 5	10	0,6	● ▲	1000
6,4	M 6	11	0,7	● ▲	1000
7,4	M 7	12,5	0,8	● ▲	1000
8,2	M 8	14	0,8	● ▲	1000
8,4	M 8	15	0,8	● ▲	1000
10,5	M 10	18	0,9	● ▲	1000
13	M 12	20,5	1,0	● ▲	500
15	M 14	24	1,0	● ▲	500
17	M 16	26	1,2	● ▲	500
19	M 18	30	1,4	● ▲	200
21	M 20	33	1,4	● ▲	200
23	M 22	36	1,5	● ▲	200
25	M 24	38	1,5	● ▲	200
28	M 27	44	1,6	● ▲	100
31	M 30	48	1,6	● ▲	100

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

PODKŁADKI ZĄBKOWANE ZEWN. I WEWN.

Toothed lock washers outside and inside

DIN	6797 J
PN/M	82023



EZ67972

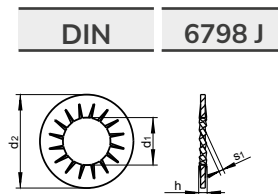
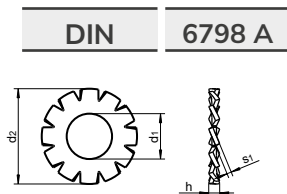
EZ67974

d1	pod śrubę	d2	S1	asortyment w ofercie	
[mm]		[mm]	[mm]		[szt./pc.]
2,2	M 2	4,5	0,3	● ▲	1000
2,5	M 2,3	5	0,4	● ▲	1000
2,7	M 2,5	5,5	0,4	● ▲	1000
3,2	M 3	6	0,4	● ▲	1000
3,7	M 3,5	7	0,5	● ▲	1000
4,3	M 4	8	0,5	● ▲	1000
5,1	M 5	9	0,5	● ▲	1000
5,3	M 5	10	0,6	● ▲	1000
6,4	M 6	11	0,7	● ▲	1000
7,4	M 7	12,5	0,8	● ▲	1000
8,2	M 8	14	0,8	● ▲	1000
8,4	M 8	15	0,8	● ▲	1000
10,5	M 10	18	0,9	● ▲	1000
13	M 12	20,5	1,0	● ▲	500
15	M 14	24	1,0	● ▲	500
17	M 16	26	1,2	● ▲	500
19	M 18	30	1,4	● ▲	200
21	M 20	33	1,4	● ▲	200
23	M 22	36	1,5	● ▲	200
25	M 24	38	1,5	● ▲	200
28	M 27	44	1,6	● ▲	100
31	M 30	48	1,6	● ▲	100

PODKŁADKI GWIAZDKOWE ZEWN. I WEWN.

Serrated lock washers outside and inside

EZ6798



EZ679820

EZ679840

EZ67982

EZ67984

d1	pod śrubę	d2	h	s1	asort. w ofercie	
[mm]		[mm]	[mm]	[mm]		[szt./pc.]
2,2	M 2	4,5	~0,9	0,3	● ▲	1000
2,5	M 2,3	5	~1,2	0,4	● ▲	1000
2,7	M 2,5	5,5	~1,2	0,4	● ▲	1000
3,2	M 3	6	~1,2	0,4	● ▲	1000
3,7	M 3,5	7	~1,5	0,5	● ▲	1000
4,3	M 4	8	~1,5	0,5	● ▲	1000
5,1	M 5	10	~1,8	0,6	● ▲	1000
5,3	M 5	10	~1,8	0,6	● ▲	1000
6,4	M 6	11	~2,1	0,7	● ▲	1000
7,4	M 7	12,5	~2,4	0,8	● ▲	1000
8,2	M 8	14	~2,4	0,8	● ▲	1000
8,4	M 8	15	~2,4	0,8	● ▲	1000
10,5	M 10	18	~2,7	0,9	● ▲	1000
13	M 12	20,5	~3,0	1,0	● ▲	500
15	M 14	24	~3,0	1,0	● ▲	500
17	M 16	26	~3,6	1,2	● ▲	500
19	M 18	30	~4,2	1,4	● ▲	200
21	M 20	33	~4,2	1,4	● ▲	200
23	M 22	36	~4,5	1,5	● ▲	200
25	M 24	38	~4,5	1,5	● ▲	200
28	M 27	44	~4,8	1,6	● ▲	100
31	M 30	48	~4,8	1,6	● ▲	100

d1	pod śrubę	d2	h	s1	asort. w ofercie	
[mm]		[mm]	[mm]	[mm]		[szt./pc.]
2,2	M 2	4,5	~0,9	0,3	● ▲	1000
2,5	M 2,3	5	~1,2	0,4	● ▲	1000
2,7	M 2,5	5,5	~1,2	0,4	● ▲	1000
3,2	M 3	6	~1,2	0,4	● ▲	1000
3,7	M 3,5	7	~1,5	0,5	● ▲	1000
4,3	M 4	8	~1,5	0,5	● ▲	1000
5,1	M 5	10	~1,8	0,6	● ▲	1000
5,3	M 5	10	~1,8	0,6	● ▲	1000
6,4	M 6	11	~2,1	0,7	● ▲	1000
7,4	M 7	12,5	~2,4	0,8	● ▲	1000
8,2	M 8	14	~2,4	0,8	● ▲	1000
8,4	M 8	15	~2,4	0,8	● ▲	1000
10,5	M 10	18	~2,7	0,9	● ▲	1000
13	M 12	20,5	~3,0	1,0	● ▲	500
15	M 14	24	~3,0	1,0	● ▲	500
17	M 16	26	~3,6	1,2	● ▲	500
19	M 18	30	~4,2	1,4	● ▲	200
21	M 20	33	~4,2	1,4	● ▲	200
23	M 22	36	~4,5	1,5	● ▲	200
25	M 24	38	~4,5	1,5	● ▲	200
28	M 27	44	~4,8	1,6	● ▲	100
31	M 30	48	~4,8	1,6	● ▲	100

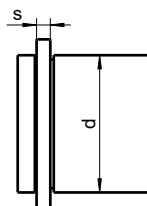
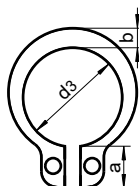
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ0471

PIERŚCIEŃNIE OSADCZE ZEWNĘTRZNE

Retaining rings for shafts

DIN	471
PN/M	85111



d	a	b	d ₃	s	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
3	1,9	0,8	2,7	0,4	■	200
4	2,2	0,9	3,7	0,4	■	200
5	2,5	1,1	4,7	0,6	■	200
6	2,7	1,3	5,6	0,7	■	200
7	3,1	1,4	6,5	0,8	■	200
8	3,2	1,5	7,4	0,8	■	200
9	3,3	1,7	8,4	1	■	200
10	3,3	1,8	9,3	1	■	200
11	3,3	1,8	10,2	1	■	200
12	3,3	1,8	11	1	■	200
13	3,4	2	11,9	1	■	200
14	3,5	2,1	12,9	1	■	200
15	3,6	2,2	13,8	1	■	200
16	3,7	2,2	14,7	1	■	200
17	3,8	2,3	15,7	1	■	100
18	3,9	2,4	16,5	1,2	■	100
19	3,9	2,5	17,5	1,2	■	100
20	4	2,6	18,5	1,2	■	100
21	4,1	2,7	19,5	1,2	■	100
22	4,2	2,8	20,5	1,2	■	100
23	4,3	2,9	21,4	1,2	■	100
24	4,4	3	22,2	1,2	■	100
25	4,4	3	23,2	1,2	■	100
26	4,5	3,1	24,2	1,2	■	50
27	4,6	3,1	25,1	1,2	■	50
28	4,7	3,2	25,9	1,5	■	50
29	4,8	3,4	26,9	1,5	■	50
30	5	3,5	27,9	1,5	■	50
32	5,2	3,6	29,6	1,5	■	50

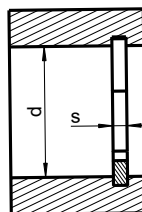
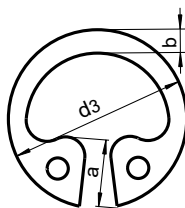
d	a	b	d ₃	s	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
34	5,4	3,8	31,5	1,5	■	50
35	5,6	3,9	32,2	1,5	■	50
36	5,6	4	33,2	1,75	■	25
38	5,8	4,2	35,2	1,75	■	25
39	5,9	4,3	36	1,75	■	25
40	6	4,4	36,5	1,75	■	25
42	6,5	4,5	38,5	1,75	■	25
45	6,7	4,7	41,5	1,75	■	25
48	6,9	5	44,5	1,75	■	25
50	6,9	5,1	45,8	2	■	25
55	7,2	5,4	50,8	2	■	25
60	7,4	5,8	55,8	2	■	25
65	7,8	6,3	60,8	2,5	■	10
70	8,1	6,6	65,5	2,5	■	10
75	8,4	7	70,5	2,5	■	10
80	8,6	7,4	74,5	2,5	■	10
85	8,7	7,8	79,5	3	■	10
90	8,8	8,2	84,5	3	■	10
95	9,4	8,6	89,5	3	■	10
100	9,6	9	94,5	3	■	10
105	9,9	9,3	98	4	■	10
110	10,1	9,6	103	4	■	10
115	10,6	9,8	108	4	■	5
120	11	10,2	113	4	■	10
125	11,4	10,4	118	4	■	5
130	11,6	10,7	123	4	■	5
135	11,8	11	128	4	■	5
140	12	11,2	133	4	■	5
150	13	11,8	142	4	■	5

■ - asortyment stal 1.4122 w ofercie / product steel 1.4122 in offer | ■ - asortyment stal 1.4310 (A1) w ofercie / product steel 1.4310 (A1) in offer

PIERŚCIEŃNIE OSADCZE WEWNĘTRZNE

Retaining rings for bares

EZ0472



DIN	472
PN/M	85111

d	a	b	d ₃	s	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
8	2,4	1,1	8,7	0,8	■	200
9	2,5	1,3	9,8	0,8	■	200
10	3,2	1,4	10,8	1	■	200
11	3,3	1,5	11,8	1	■	200
12	3,4	1,7	13	1	■	200
13	3,6	1,8	14,1	1	■	200
14	3,7	1,9	15,1	1	■	200
15	3,7	2	16,2	1	■	200
16	3,8	2	17,3	1	■	200
17	3,9	2,1	18,3	1	■	100
18	4,1	2,2	19,5	1	■	100
19	4,1	2,2	20,5	1	■	100
20	4,2	2,3	21,5	1	■	100
21	4,2	2,4	22,5	1	■	100
22	4,2	2,5	23,5	1	■	100
23	4,3	2,5	24,6	1,2	■	100
24	4,4	2,6	25,9	1,2	■	100
25	4,5	2,7	26,9	1,2	■	100
26	4,7	2,8	27,9	1,2	■	50
27	4,7	2,8	28,9	1,2	■	50
28	4,8	2,9	30,1	1,2	■	50
29	4,8	3	31,1	1,2	■	50
30	4,8	3	32,1	1,2	■	50
31	5,2	3,2	33,4	1,2	■	25
32	5,4	3,2	34,4	1,2	■	25
33	5,4	3,3	35,5	1,2	■	25
34	5,4	3,3	36,5	1,5	■	25
35	5,4	3,4	37,8	1,5	■	25
36	5,4	3,5	38,8	1,5	■	25
37	5,5	3,6	39,8	1,5	■	25
38	5,5	3,7	40,8	1,5	■	25
39	5,6	3,8	42	1,5	■	25
40	5,8	3,9	43,5	1,75	■	25

d	a	b	d ₃	s	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
41	5,9	4	44,5	1,75	■	25
42	5,9	4,1	45,5	1,75	■	25
43	5,9	4,2	46,5	1,75	■	25
44	6	4,2	47,5	1,75	■	25
45	6,2	4,3	48,5	1,75	■	25
47	6,4	4,4	50,5	1,75	■	25
48	6,4	4,5	51,5	1,75	■	25
50	6,5	4,6	54,2	2	■	25
52	6,7	4,7	56,2	2	■	25
55	6,8	5	59,2	2	■	25
58	6,9	5,2	62,2	2	■	25
60	7,3	5,4	64,2	2	■	25
62	7,3	5,5	66,2	2	■	10
65	7,6	5,8	69,2	2,5	■	10
68	7,8	6,1	72,5	2,5	■	10
70	7,8	6,2	74,5	2,5	■	10
72	7,8	6,4	76,5	2,5	■	10
75	7,8	6,6	79,5	2,5	■	10
80	9,5	7	85,5	2,5	■	10
85	9,7	7,2	90,5	3	■	10
90	10	7,6	95,5	3	■	10
95	10,3	8,1	100,5	3	■	10
100	9,2	8,4	105,5	3	■	10
105	9,5	8,7	112	4	■	10
110	10,4	9	117	4	■	10
115	10,5	9,3	122	4	■	5
120	11	9,7	127	4	■	10
125	11	10	132	4	■	5
130	11	10,2	137	4	■	10
135	11,2	10,5	142	4	■	5
140	11,2	10,7	147	4	■	10
150	12	11,2	158	4	■	5

■ - asortyment stal 1.4122 w ofercie / product steel 1.4122 in offer ■ - asortyment stal 1.4310 w ofercie / product steel 1.4310 (A1) in offer



NITY

NITONAKRĘTKI

BLIND RIVETS AND BLIND RIVET NUTS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

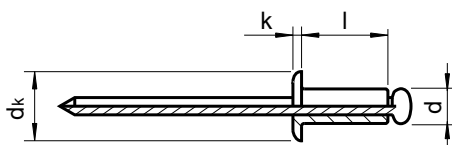
		normy standards	kod podgrupy subgroup code	str. page
	NITY I NITONAKRĘTKI BLIND RIVETS AND BLIND RIVET NUTS			
	Nity zrywalne łeb płaski Blindrivets with break mandrel	ISO 15983 DIN 7337	EZ159832 EZ159834	95
	Nity zrywalne łeb stożkowy Blindrivets with CSK head and grooved mandrel	ISO 15984 DIN 7337	EZ159842 EZ159844	96
	Nity szczelne łeb płaski Closed blindrivets with flat head, grooved mandrel	ISO 16585	EZ165852 EZ165854	97
	Nitonakrętki mini stożek Blind rivet nut reduce head	Art. nr 1021	EZ10212 EZ10214	98
	Nitonakrętki stożek Large cone blind rivet nuts	Art. nr 1023	EZ10232 EZ10234	99
	Nitonakrętki z kotnierzem płaskim Flat-flanged blind rivet nuts	Art. nr 1025	EZ10252 EZ10254	100

EZ15983

NITY ZRYWALNE ŁEB PŁASKI

Blindrivets with break mandrel

PN-EN ISO 15983



d	l	dk	k _{max}	zakres łączenia	moment ścianania	moment rozciąg.	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]		[szt./pc.]
2,4	4	5	0,55	0,5-2,0	1000	1500	● ▲	500
	6	5	0,55	2,0-4,0	1000	1500	● ▲	500
	8	5	0,55	4,0-6,0	1000	1500	● ▲	500
3	6	6,3	1,3	0,5-3,0	1800	2200	● ▲	500
	8	6,3	1,3	3,0-5,0	1800	2200	● ▲	500
	10	6,3	1,3	5,0-6,5	1800	2200	● ▲	500
	12	6,3	1,3	6,5-8,5	1800	2200	● ▲	500
	14	6,3	1,3	8,5-10,5	1800	2200	● ▲	500
	16	6,3	1,3	10,5-12,5	1800	2200	● ▲	500
3,2	6	6,7	1,3	0,5-3,0	1900	2500	● ▲	500
	8	6,7	1,3	3,0-5,0	1900	2500	● ▲	500
	10	6,7	1,3	5,0-6,5	1900	2500	● ▲	500
	12	6,7	1,3	6,5-8,5	1900	2500	● ▲	500
	14	6,7	1,3	8,5-10,5	1900	2500	● ▲	500
	16	6,7	1,3	10,5-12,5	1900	2500	● ▲	500
	18	6,7	1,3	12,0-14,0	1900	2500	● ▲	500
4	6	8,4	1,7	1,0-2,5	2700	3500	● ▲	500
	8	8,4	1,7	2,5-4,5	2700	3500	● ▲	500
	10	8,4	1,7	4,5-6,5	2700	3500	● ▲	500
	12	8,4	1,7	6,5-8,5	2700	3500	● ▲	500
	14	8,4	1,7	8,5-10,0	2700	3500	● ▲	500
	16	8,4	1,7	10,0-12,0	2700	3500	● ▲	500
	18	8,4	1,7	12,0-14,0	2700	3500	● ▲	500
	20	8,4	1,7	14,0-16,0	2700	3500	● ▲	500
	25	8,4	1,7	16,0-21,0	2700	3500	● ▲	500
4,8	6	10,1	2	1,5-2,0	4000	5000	● ▲	500
	8	10,1	2	2,0-4,0	4000	5000	● ▲	500
	10	10,1	2	4,0-6,0	4000	5000	● ▲	500
	12	10,1	2	6,0-8,0	4000	5000	● ▲	500
	14	10,1	2	8,0-9,5	4000	5000	● ▲	500
	16	10,1	2	8,0-11,0	4000	5000	● ▲	500
	18	10,1	2	11,0-13,0	4000	5000	● ▲	500
	20	10,1	2	13,0-16,0	4000	5000	● ▲	250
	22	10,1	2	15,0-17,0	4000	5000	● ▲	250
	24	10,1	2	16,0-18,0	4000	5000	● ▲	250
	25	10,1	2	16,0-19,0	4000	5000	● ▲	250
	26	10,1	2	18,0-20,0	4000	5000	● ▲	250
	30	10,1	2	21,0-25,0	4000	5000	● ▲	250

d	l	dk	k _{max}	zakres łączenia	moment ścianania	moment rozciąg.	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]		[szt./pc.]
	35	10,1	2	25,0-30,0	4000	5000	● ▲	250
	40	10,1	2	30,0-34,0	4000	5000	● ▲	250
5	8	10,5	2,1	2,0-4,0	4700	5800	● ▲	250
	10	10,5	2,1	4,0-6,0	4700	5800	● ▲	250
	12	10,5	2,1	6,0-8,0	4700	5800	● ▲	250
	14	10,5	2,1	8,0-9,5	4700	5800	● ▲	250
	16	10,5	2,1	8,0-11,0	4700	5800	● ▲	250
	18	10,5	2,1	11,0-13,0	4700	5800	● ▲	250
	20	10,5	2,1	13,0-16,0	4700	5800	● ▲	250
	22	10,5	2,1	15,0-17,0	4700	5800	● ▲	250
	24	10,5	2,1	16,0-18,0	4700	5800	● ▲	250
	25	10,5	2,1	16,0-19,0	4700	5800	● ▲	250
6	26	10,5	2,1	18,0-20,0	4700	5800	● ▲	250
	30	10,5	2,1	20,0-25,0	4700	5800	● ▲	250
	35	10,5	2,1	25,0-30,0	4700	5800	● ▲	250
	40	10,5	2,1	30,0-34,0	4700	5800	● ▲	250
	8	12	2,5	2,0-4,0	5700	7500	● ▲	250
	10	12	2,5	4,0-6,0	5700	7500	● ▲	250
	12	12	2,5	6,0-8,0	5700	7500	● ▲	250
	14	12	2,5	7,0-9,5	5700	7500	● ▲	250
	16	12	2,5	8,0-11,0	5700	7500	● ▲	250
	18	12	2,5	9,0-13,0	5700	7500	● ▲	250
	20	12	2,5	11,0-15,0	5700	7500	● ▲	250
	25	12	2,5	15,0-20,0	5700	7500	● ▲	250
6,4	30	12	2,5	20,0-24,0	5700	7500	● ▲	250
	35	12	2,5	24,0-29,0	5700	7500	● ▲	250
	40	12	2,5	29,0-34,0	5700	7500	● ▲	250
	10	13	2,6	2,0-4,0	6500	8850	● ▲	250
	12	13	2,6	4,0-6,0	6500	8850	● ▲	250
	14	13	2,6	6,0-8,0	6500	8850	● ▲	250
	16	13	2,6	7,0-10,0	6500	8850	● ▲	250
	18	13	2,6	9,0-13,0	6500	8850	● ▲	250
	20	13	2,6	13,0-16,0	6500	8850	● ▲	250
	22	13	2,6	14,0-17,0	6500	8850	● ▲	250
	25	13	2,6	15,0-19,0	6500	8850	● ▲	250
	30	13	2,6	19,0-23,0	6500	8850	● ▲	250
	35	13	2,6	23,0-28,0	6500	8850	● ▲	250
	40	13	2,6	28,0-33,0	6500	8850	● ▲	250

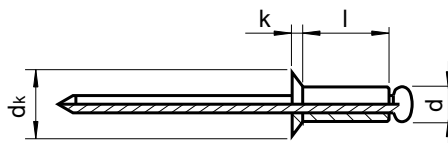
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NITY ZRYWALNE ŁEB STOŻKOWY

Blindrivets with CSK head and grooved mandrel

EZ15984

PN-EN ISO 15984



d	l	dk	k _{max}	zakres łączenia	moment ścinania	moment rozciąg.	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]		[szt./pc.]
3	6	6,3	1,3	1,5-3,0	1800	2200	● ▲	500
	8	6,3	1,3	3,0-5,0	1800	2200	● ▲	500
	10	6,3	1,3	5,0-6,5	1800	2200	● ▲	500
	12	6,3	1,3	6,5-8,5	1800	2200	● ▲	500
3,2	6	6,7	1,3	1,5-3,0	1900	2500	● ▲	500
	8	6,7	1,3	3,0-5,0	1900	2500	● ▲	500
	10	6,7	1,3	5,0-6,5	1900	2500	● ▲	500
	12	6,7	1,3	6,5-8,5	1900	2500	● ▲	500
4	8	8,4	1,7	2,5-4,5	2700	3500	● ▲	500
	10	8,4	1,7	4,5-6,5	2700	3500	● ▲	500
	12	8,4	1,7	6,5-8,5	2700	3500	● ▲	500
	14	8,4	1,7	8,5-10,0	2700	3500	● ▲	500
	16	8,4	1,7	10,0-12,0	2700	3500	● ▲	500
	18	8,4	1,7	12,0-14,0	2700	3500	● ▲	500
	20	8,4	1,7	14,0-16,0	2700	3500	● ▲	500
4,8	8	10,1	2	2,5-4,0	4000	5000	● ▲	500
	10	10,1	2	4,0-6,0	4000	5000	● ▲	500

d	l	dk	k _{max}	zakres łączenia	moment ścinania	moment rozciąg.	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]		[szt./pc.]
	12	10,1	2	6,0-8,0	4000	5000	● ▲	500
	14	10,1	2	7,0-9,0	4000	5000	● ▲	500
	16	10,1	2	8,0-11,0	4000	5000	● ▲	500
	18	10,1	2	11,0-13,0	4000	5000	● ▲	500
	20	10,1	2	13,0-15,0	4000	5000	● ▲	250
	25	10,1	2	15,0-17,0	4000	5000	● ▲	250
	30	10,1	2	17,0-19,0	4000	5000	● ▲	250
5	8	10,5	2,1	2,5-4,0	4700	5800	● ▲	500
	10	10,5	2,1	4,0-6,0	4700	5800	● ▲	500
	12	10,5	2,1	6,0-8,0	4700	5800	● ▲	500
	14	10,5	2,1	7,0-9,0	4700	5800	● ▲	500
	16	10,5	2,1	8,0-11,0	4700	5800	● ▲	500
	18	10,5	2,1	11,0-13,0	4700	5800	● ▲	500
	20	10,5	2,1	13,0-15,0	4700	5800	● ▲	250
	25	10,5	2,1	15,0-17,0	4700	5800	● ▲	250
	30	10,5	2,1	17,0-19,0	4700	5800	● ▲	250

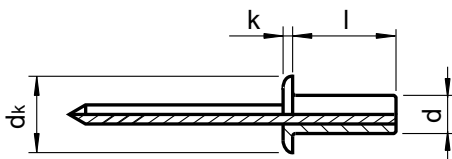
● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ16585

NITY SZCZELNY ŁEB PŁASKI

Closed blindrivets with flat head, grooved mandrel

PN-EN ISO 16585



d	l	dk	k _{max}	zakres łączenia	moment ścianania	moment rozciąg.	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]		[szt./pc.]
3,2	6	6,7	1,3	0,5-1,5	2000	2200	● ▲	500
	8	6,7	1,3	1,5-3,0	2000	2200	● ▲	500
	10	6,7	1,3	3,0-5,0	2000	2200	● ▲	500
	12	6,7	1,3	5,0-6,5	2000	2200	● ▲	500
	14	6,7	1,3	6,5-8,0	2000	2200	● ▲	500
4	6	8,4	1,7	0,5-1,5	3000	3500	● ▲	500
	8	8,4	1,7	1,5-3,0	3000	3500	● ▲	500
	10	8,4	1,7	3,0-5,0	3000	3500	● ▲	500
	12	8,4	1,7	5,0-6,5	3000	3500	● ▲	500
	14	8,4	1,7	6,5-8,0	3000	3500	● ▲	500
	16	8,4	1,7	8,0-11,0	3000	3500	● ▲	500

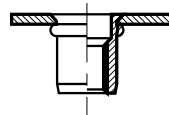
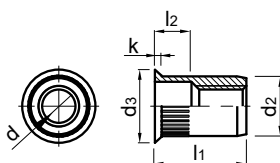
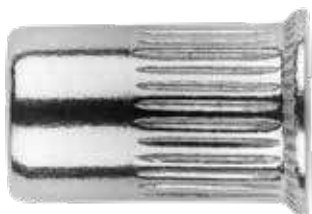
d	l	dk	k _{max}	zakres łączenia	moment ścianania	moment rozciąg.	asort. w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]		[szt./pc.]
4,8	8	10,1	2	0,5-3,0	4000	4400	● ▲	500
	10	10,1	2	3,0-5,0	4000	4400	● ▲	500
	12	10,1	2	5,0-6,5	4000	4400	● ▲	500
	14	10,1	2	6,0-7,5	4000	4400	● ▲	500
	16	10,1	2	6,5-9,0	4000	4400	● ▲	500
	20	10,1	2	9,0-12,0	4000	4400	● ▲	250
6,4	12	13,4	2,7	1,5-6,5	6000	8000	● ▲	250
	14	13,4	2,7	5,0-7,0	6000	8000	● ▲	250
	16	13,4	2,7	6,5-8,0	6000	8000	● ▲	250
	20	13,4	2,7	8,0-12,0	6000	8000	● ▲	250

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NITONAKRĘTKI MINI STOŻEK

Blind Rivet Nut reduce head

EZ1021



Art. nr

1021

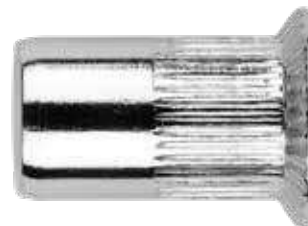
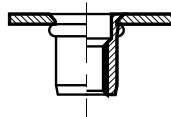
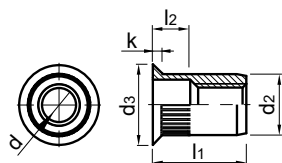
d	d ₁	l ₁	d ₂	d ₃	l ₂	k	zakres łączenia	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
M3	3	9	4,8	5,8	4,5	0,8	0,5-2,0	● ▲	250
M4	4	10	5,9	7	5,2	0,8	0,5-2,5	● ▲	250
M5	5	11,5	6,9	8	5,7	0,8	0,5-2,5	● ▲	250
M6	6	14	8,9	10	6,5	0,8	0,5-3,0	● ▲	250
M8	8	15,5	10,9	12	7,5	0,8	0,5-3,0	● ▲	250
M10	10	19,5	12,9	14,5	9	1	0,8-3,5	● ▲	250
M12	12	24	15,9	17,6	10	1	1,5-3,5	● ▲	250

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

EZ1023

Art. nr

1023


NITONAKRĘTKI STOŻEK
 Large cone blind rivet nuts

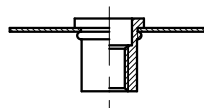
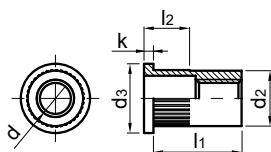
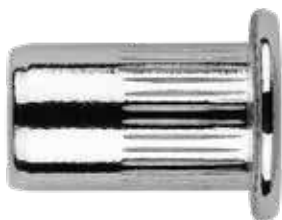
d	d ₁	l ₁	d ₂	d ₃	l ₂	k	zakres łączenia	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
M3	3	9	4,8	8	4,5	1,7	1,5-2,0	● ▲	250
M4	4	11,5	5,9	9	5,5	1,7	1,5-3,5	● ▲	250
M5	5	13,5	6,9	10	5,8	1,7	1,5-4,0	● ▲	250
M6	6	16	8,9	12	7	1,7	1,5-4,5	● ▲	250
M8	8	19	10,9	14	8,5	1,7	1,5-4,5	● ▲	250
M10	10	21	12,9	16	9	1,7	1,5-4,5	● ▲	250
M12	12	24	14,9	18	10	1,7	1,5-4,5	● ▲	250

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

NITONAKRĘTKI Z KOŁNIERZEM PŁASKIM

Flat-flanged blind rivet nuts

EZ1025



Art. nr

1025

d	d ₁	l ₁	d ₂	d ₃	l ₂	k	zakres łączenia	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[szt./pc.]
M3	3	10	4,9	8	4,3	0,9	0,3-2,0	● ▲	250
M4	4	10	5,9	9	5,5	1	0,3-2,0	● ▲	250
M4	4	11,5	5,9	9	7,5	1	2,1-4,0	● ▲	250
M5	5	12	6,9	10	5,1	1	0,3-2,0	● ▲	250
M5	5	15	6,9	10	7,7	1	2,1-4,0	● ▲	250
M6	6	14,5	8,9	13	7,5	1,5	0,5-3,0	● ▲	250
M6	6	16	8,9	13	9,5	1,5	3,1-5,0	● ▲	250
M8	8	16	10,9	16	8	1,5	0,5-3,0	● ▲	250
M8	8	18,5	10,9	16	10,5	1,5	3,1-5,5	● ▲	250
M10	10	17	12,9	19	10	2	0,5-3,0	● ▲	250
M10	10	22	12,9	19	13	2	3,1-6,0	● ▲	250
M12	12	23	15,9	23	12	2	1,0-4,0	● ▲	250

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



PRĘTY GWINTOWANE LINY, ŁAŃCUCHY

THREADED RODS, ROPES, CHAINS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

		normy standards	kod podgrupy subgroup code	str. page
	PRĘTY GWINTOWANE, LINY I ŁAŃCUCHY THREADED RODS, ROPES, CHAINS			
	Pręty gwintowane Threaded rods	DIN 976 DIN 975	EZ09762 EZ09764	103
	Linki kwasoodporne średnie 7x7 Wire rope 7x7 semi-soft	Art. nr 8379	EZ83792 EZ83794	104
	Linki kwasoodporne miękkie 7x19 Wire rope 7x19 flexible	Art. nr 8382	EZ83822 EZ83824	105
	Łańcuch z długim ogniwnem Round long link chains	Art. nr 763 DIN 763	EZ07632 EZ07634	106
	Łańcuch z krótkim ogniwnem Round short link chains	Art. nr 766 DIN 766	EZ07662 EZ07664	107

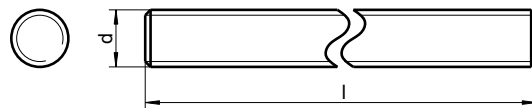
EZ0976

PRĘTY GWINTOWANE

Threaded rods

DIN

976



d	l	asort. w ofercie	
[mm]	[mm]		[szt./pc.]
2	1000	● ▲	20
2,5	1000	● ▲	20
3	1000	● ▲	100
4	1000	● ▲	100
5	1000	● ▲	100
6	1000	● ▲	100
	2000	● ▲	20
	3000	● ▲	20
8	1000	● ▲	50
	2000	● ▲	20
	3000	● ▲	20
10	1000	● ▲	25
	2000	● ▲	10
	3000	● ▲	10
12	1000	● ▲	20
	2000	● ▲	10
	3000	● ▲	10
14	1000	● ▲	10
	2000	● ▲	10
	3000	● ▲	10
16	1000	● ▲	10
	2000	● ▲	5
	3000	● ▲	5
18	1000	● ▲	10
	2000	● ▲	5
	3000	● ▲	5
20	1000	● ▲	5
	2000	● ▲	1
	3000	● ▲	1

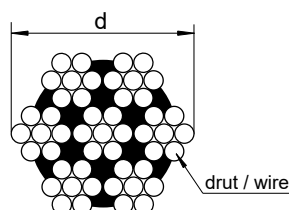
d	l	asort. w ofercie	
[mm]	[mm]		[szt./pc.]
22	1000	● ▲	5
	2000	● ▲	1
	3000	● ▲	1
24	1000	● ▲	5
	2000	● ▲	1
	3000	● ▲	1
27	1000	● ▲	1
	2000	● ▲	1
	3000	● ▲	1
30	1000	● ▲	1
	2000	● ▲	1
	3000	● ▲	1
33	1000	● ▲	1
	2000	● ▲	1
	3000	● ▲	1
36	1000	● ▲	1
	2000	● ▲	1
	3000	● ▲	1
39	1000	● ▲	1
	2000	● ▲	1
	3000	● ▲	1
42	1000	● ▲	1
	2000	● ▲	1
	3000	● ▲	1
45	1000	● ▲	1
	2000	● ▲	1
	3000	● ▲	1
48	1000	● ▲	1
52	1000	● ▲	1

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

LINKI KWASOODPORNE ŚREDNIE 7X7

Wire rope 7x7 semi-soft

EZ8379



Art. nr

8379

d	minimalna zrywalność	zrywalność obliczeniowa	asortyment w ofercie	
[mm]	[kN]	[kN]		[mb/rm]
1	0,63	0,71	▲	250
1,5	1,42	1,62	▲	250
2	2,26	2,7	▲	250
2,5	3,95	4,5	▲	250
3	5,05	6,03	▲	250
4	8,98	10,8	▲	250
5	14,1	16,8	▲	250
6	20,3	24,2	▲	250
6 PVC	20,3	24,2	▲	1000
7	27,6	33	▲	250
8	39	43	▲	250
8	39	43	▲	500
8 PVC	39	43	▲	1000
10	56,3	67,2	▲	250
12	81,16	97,67	▲	250

▲ - asortyment A4 w ofercie / product A4 in offer

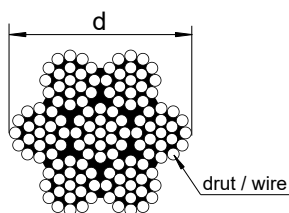
EZ8382

LINKI KWASOODPORNE MIĘKKIE 7X19

Wire rope 7x19 flexible

Art. nr

8382



d	minimalna zrywalność	zrywalność obliczeniowa	asortyment w ofercie	
[mm]	[kN]	[kN]		[mb/rm]
1,5	0,52	0,65	▲	250
2	2,33	2,65	▲	250
2,5	3,66	4,17	▲	250
3	4,66	5,84	▲	250
4	8,34	10,4	▲	250
5	13	16,3	▲	250
6	18,7	23,4	▲	250
7	25,5	31,9	▲	250
8	33,3	41,7	▲	250
10	52,1	65,1	▲	250
12	75	93,7	▲	250
14	102	128	▲	250
16	133	145,5	▲	250

▲ - asortyment A4 w ofercie / product A4 in offer

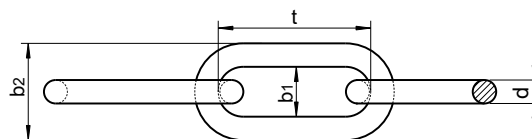
ŁAŃCUCH Z DŁUGIM OGNIWEM

Round long link chains

EZ0763

Art. nr

763



d	b ₁	b ₂	t	obciążenie nominalne	obciążenie zrywające*	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[Kg]	[Kg]		[mb/rm]
1,5	2,7	6,3	12	14	90	▲	100
2	3,6	8,4	22	25	125	▲	100
3	5,4	12,6	26	55	350	▲	100
4	7,2	16,8	32	100	630	▲	50
5	9	21	35	160	1000	▲	50
6	10,8	25,2	42	200	1250	▲	50
8	14,4	33,6	52	400	2500	▲	50
10	18	42	65	630	4000	▲	50

▲ - asortyment A4 w ofercie / product A4 in offer

* - wartości dla obciążenia zrywającego podano w przybliżeniu

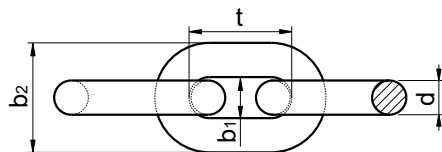
EZ0766

ŁAŃCUCH Z KRÓTKIM OGNIWEM

Round short link chains

Art. nr

766



d	b ₁	b ₂	t	obciążenie nominalne	obciążenie zrywające*	asortyment w ofercie	
[mm]	[mm]	[mm]	[mm]	[Kg]	[Kg]		[mb/rm]
2	3,4	8	12	50	200	▲	100
3	3,6	10,2	16	110	440	▲	100
4	4,8	13,6	16	200	800	▲	50
5	6	17	18,5	320	1250	▲	50
6	7,2	20,4	18,5	400	1600	▲	50
8	9,6	27,2	24	800	3200	▲	50
10	12	36	28	1250	5000	▲	50
13	15,5	47	36	2000	8000	▲	50

▲ - asortyment A4 w ofercie / product A4 in offer

* - wartości dla obciążenia zrywającego podano w przybliżeniu





OPASKI I ZAWLECZKI

THOSE CLAMPS AND SPLIT PINS



W TYM DZIALE ZNAJDZIESZ / IN THIS SECTION YOU WILL FIND:

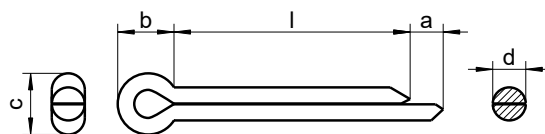
		normy standards	kod podgrupy subgroup code	str. page
	OPASKI I ZAWLECZKI HOSE CLAMPS AND SPLIT PINS			
	Zawlecзки Split pins	DIN 94 ISO 1234	EZ12342 EZ12344	111
	Opaski zaciskowe ślimakowe Hose clamps	DIN 3017 PN/M 74906	EZ30172 EZ30174	112

EZ1234

ZAWLECZKI PROSTE

Split pins

DIN	94
ISO	1234
PN/M	82001
PN-EN ISO	1234



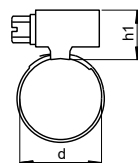
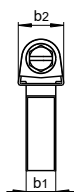
l	d 1	d 1,2	d 1,6	d 2	d 2,5	d 3,2	d 4	d 5	d 6,3	d 8	d 10
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
4	●▲	●▲	●▲	●▲							
5	●▲	●▲	●▲	●▲							
6	●▲	●▲	●▲	●▲							
7	●▲	●▲	●▲	●▲							
8	●▲	●▲	●▲	●▲							
10	●▲	●▲	●▲	●▲	●▲						
12	●▲	●▲	●▲	●▲	●▲						
14	●▲	●▲	●▲	●▲	●▲						
16	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲			
18	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲			
20	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
22	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
25	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
28	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲		
32	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
36	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
40	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
45	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
50				●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
56						●▲	●▲	●▲	●▲	●▲	●▲
63						●▲	●▲	●▲	●▲	●▲	●▲
71							●▲	●▲	●▲	●▲	●▲
80							●▲	●▲	●▲	●▲	●▲
90							●▲	●▲	●▲	●▲	●▲
100							●▲	●▲	●▲	●▲	●▲
 [szt./pc.]	1000	1000	1000	1000	1000	500	500	250	250	100	100
a	1,6	2,5	2,5	2,5	2,5	3,2	4	4	4	4	6,3
b	3	3	3,2	4	5	6,4	8	10	12,6	16	20
c	1,6	1,7	2,4	3,2	4	5,1	6,5	8	10,3	13,1	16,6

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer

OPASKI ZACISKOWE ŚLIMAKOWE

Hose clamps

EZ3017

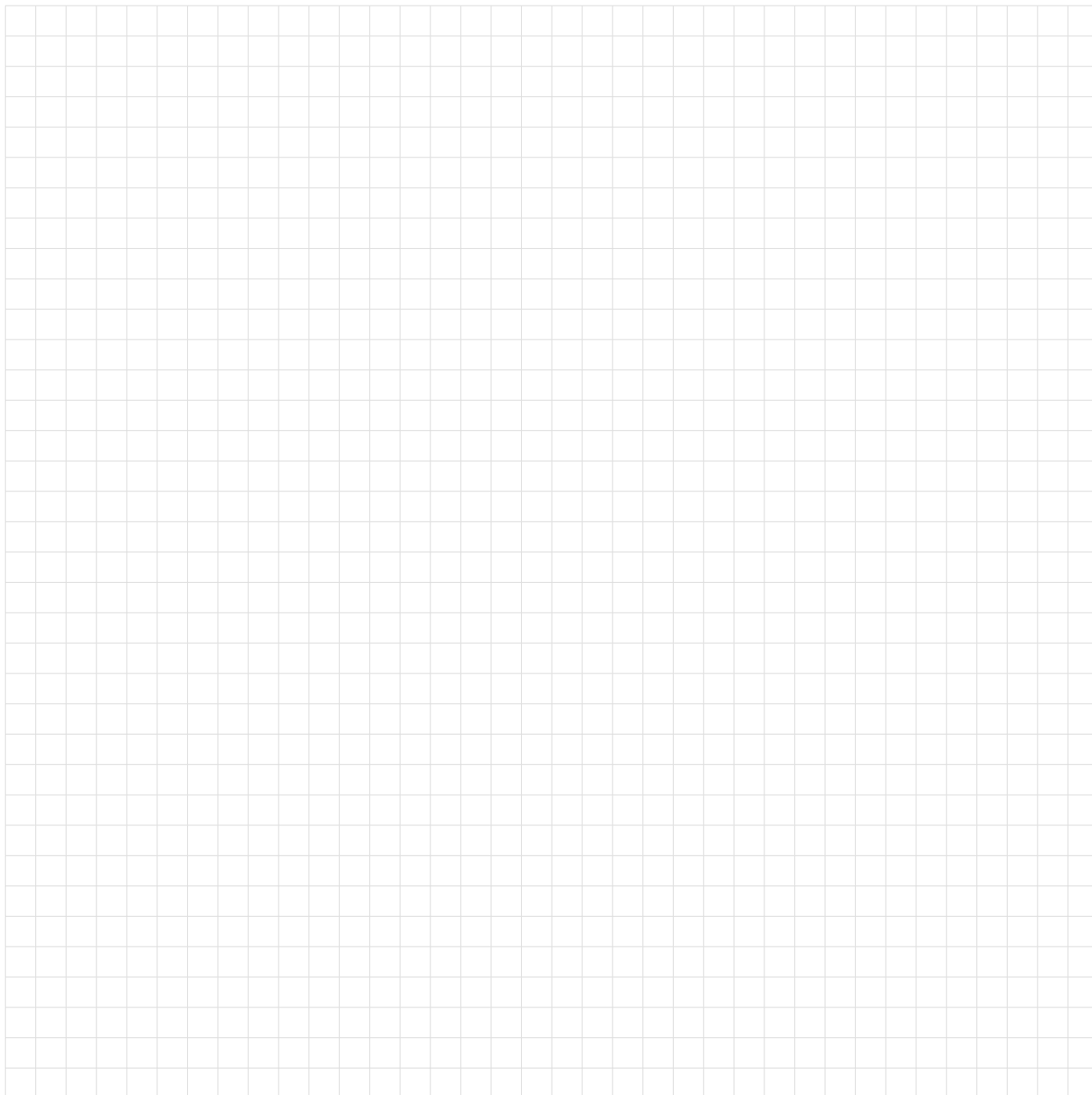


DIN	3017
PN/M	74906

d	b ₁	b ₂	h ₁	asorty- ment w ofercie	
[mm]	[mm]	[mm]	[mm]		[szt./pc.]
10-16	9	14	14	● ▲	100
12-22	9	14	14	● ▲	100
12-22	12	20	16	● ▲	100
16-27	9	14	14	● ▲	100
16-27	12	20	16	● ▲	100
20-32	9	14	14	● ▲	100
20-32	12	20	16	● ▲	100
25-40	9	14	14	● ▲	100
25-40	12	20	16	● ▲	100
30-45	9	14	14	● ▲	50
30-45	12	20	16	● ▲	50
35-50	9	14	14	● ▲	50
35-50	12	20	16	● ▲	50
40-60	9	14	14	● ▲	50
40-60	12	20	16	● ▲	50
50-70	9	14	14	● ▲	25
50-70	12	20	16	● ▲	25
60-80	9	14	14	● ▲	25
60-80	12	20	16	● ▲	25
70-90	9	14	14	● ▲	25
70-90	12	20	16	● ▲	25
80-100	9	14	14	● ▲	25
80-100	12	20	16	● ▲	25
90-110	9	14	14	● ▲	25
90-110	12	20	16	● ▲	25
100-120	9	14	14	● ▲	25
100-120	12	20	16	● ▲	25
110-130	9	14	14	● ▲	25
110-130	12	20	16	● ▲	25
120-140	9	14	14	● ▲	25
120-140	12	20	16	● ▲	25
130-150	9	14	14	● ▲	25

d	b ₁	b ₂	h ₁	asorty- ment w ofercie	
[mm]	[mm]	[mm]	[mm]		[szt./pc.]
130-150	12	20	16	● ▲	25
140-160	9	14	14	● ▲	25
140-160	12	20	16	● ▲	25
150-170	9	14	14	● ▲	25
150-170	12	20	16	● ▲	25
160-180	9	14	14	● ▲	25
160-180	12	20	16	● ▲	25
170-190	9	14	14	● ▲	25
170-190	12	20	16	● ▲	25
180-200	9	14	14	● ▲	10
180-200	12	20	16	● ▲	10
190-210	9	14	14	● ▲	10
190-210	12	20	16	● ▲	10
200-220	9	14	14	● ▲	10
200-220	12	20	16	● ▲	10
210-230	9	14	14	● ▲	10
210-230	12	20	16	● ▲	10
220-240	9	14	14	● ▲	10
220-240	12	20	16	● ▲	10
230-250	9	14	14	● ▲	10
230-250	12	20	16	● ▲	10
240-260	9	14	14	● ▲	10
240-260	12	20	16	● ▲	10
250-270	9	14	14	● ▲	10
250-270	12	20	16	● ▲	10
260-280	9	14	14	● ▲	10
260-280	12	20	16	● ▲	10
270-290	9	14	14	● ▲	10
270-290	12	20	16	● ▲	10
280-300	9	14	14	● ▲	10
280-300	12	20	16	● ▲	10

● - asortyment A2 w ofercie / product A2 in offer | ▲ - asortyment A4 w ofercie / product A4 in offer



Zeskanuj kod QR i pobierz
Katalog PDF



Zeskanuj kod QR i sprawdź
produkty na WWW



Zeskanuj kod QR i wejdź do
naszego sklepu WWW



Zeskanuj kod QR i skontaktuj
się z Naszym Dystrybutorem



Zeskanuj kod QR i wyślij
do Nas zapytanie



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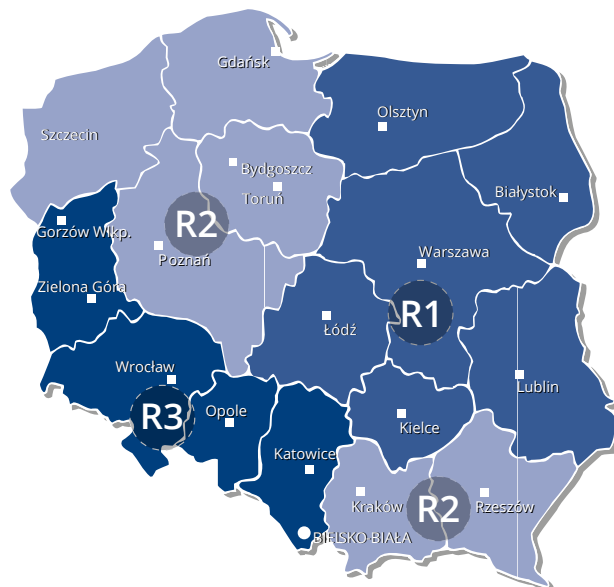
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E: dokregion3@wapienica.pl
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